

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: P332681-840

Luminaire Tested: **SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332681-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

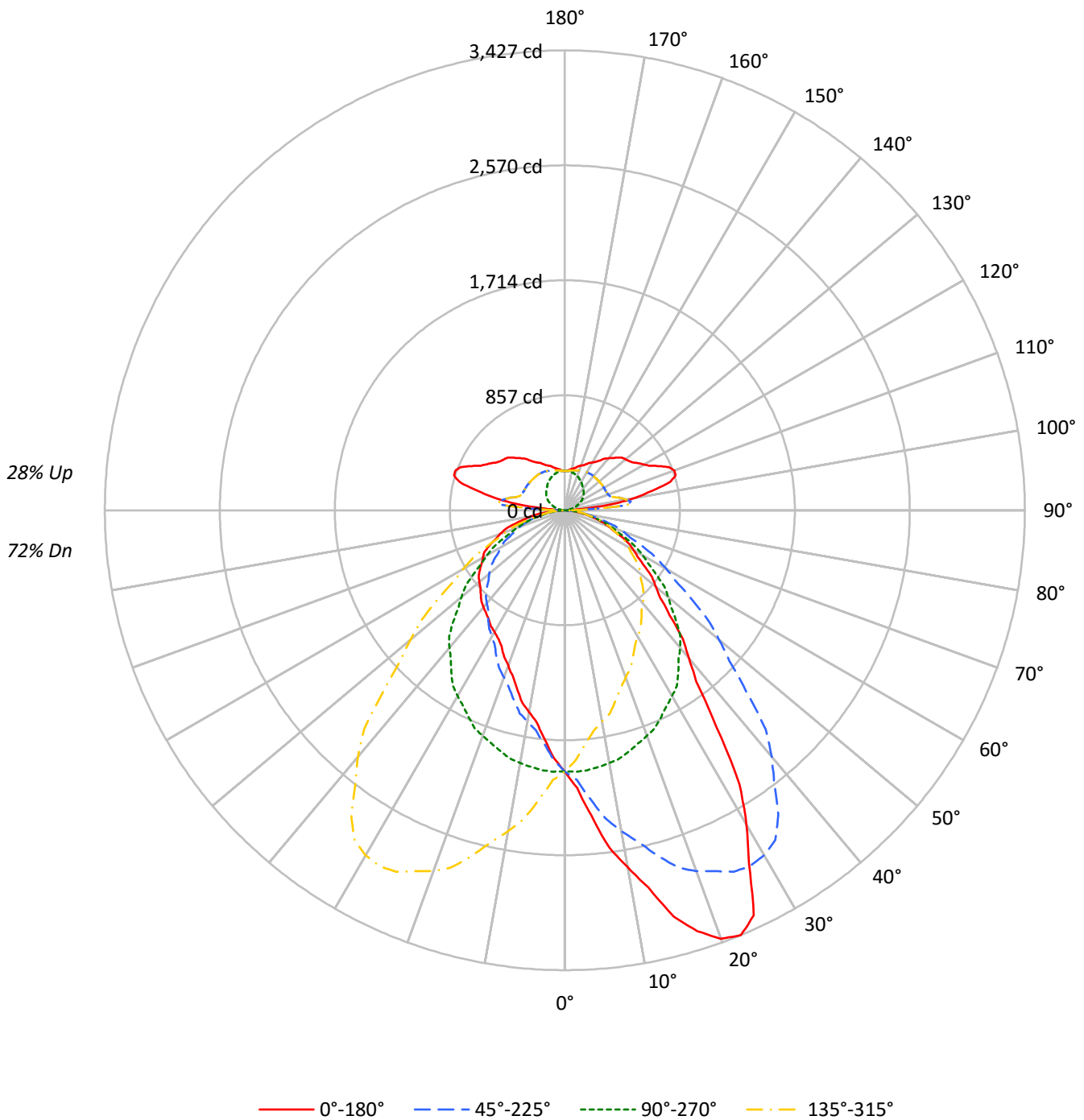
Lumens per Lamp: N/A
Luminaire Lumens: 7504.3 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 55.1
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: P332681-840
CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 72 |
| 1 | 103 | 99 | 95 | 91 | 97 | 94 | 90 | 87 | 84 | 82 | 79 | 76 | 74 | 72 | 68 | 66 | 65 | 61 |
| 2 | 94 | 87 | 80 | 75 | 89 | 82 | 77 | 72 | 74 | 70 | 66 | 67 | 63 | 60 | 60 | 57 | 55 | 52 |
| 3 | 86 | 76 | 69 | 63 | 81 | 73 | 66 | 61 | 66 | 60 | 56 | 59 | 55 | 52 | 53 | 50 | 47 | 44 |
| 4 | 79 | 68 | 60 | 54 | 75 | 65 | 57 | 52 | 59 | 53 | 48 | 53 | 48 | 45 | 48 | 44 | 41 | 38 |
| 5 | 73 | 61 | 53 | 46 | 69 | 58 | 50 | 45 | 53 | 47 | 42 | 48 | 43 | 39 | 43 | 39 | 36 | 33 |
| 6 | 67 | 55 | 46 | 41 | 63 | 52 | 45 | 39 | 48 | 41 | 37 | 43 | 38 | 34 | 39 | 35 | 32 | 29 |
| 7 | 62 | 50 | 42 | 36 | 59 | 48 | 40 | 35 | 43 | 37 | 33 | 40 | 34 | 30 | 36 | 32 | 28 | 26 |
| 8 | 58 | 45 | 37 | 32 | 55 | 43 | 36 | 31 | 40 | 34 | 29 | 36 | 31 | 27 | 33 | 29 | 26 | 23 |
| 9 | 54 | 41 | 34 | 29 | 51 | 40 | 33 | 28 | 37 | 31 | 26 | 34 | 28 | 25 | 31 | 26 | 23 | 21 |
| 10 | 51 | 38 | 31 | 26 | 48 | 37 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 22 | 29 | 24 | 21 | 19 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 15713 | 15713 | 15713 | 15713 |
| 5° | 18504 | 15754 | 13904 | 15754 |
| 10° | 22155 | 15684 | 12518 | 15684 |
| 15° | 26213 | 15525 | 11496 | 15525 |
| 20° | 29190 | 15364 | 10584 | 15364 |
| 25° | 29661 | 15126 | 9954 | 15126 |
| 30° | 25239 | 14897 | 9755 | 14897 |
| 35° | 19404 | 14526 | 9758 | 14526 |
| 40° | 15125 | 14089 | 9941 | 14089 |
| 45° | 12611 | 13431 | 10107 | 13431 |
| 50° | 11099 | 12627 | 10451 | 12627 |
| 55° | 10169 | 11667 | 10871 | 11667 |
| 60° | 9529 | 10805 | 11378 | 10805 |
| 65° | 8871 | 9841 | 11798 | 9841 |
| 70° | 8108 | 8889 | 12066 | 8889 |
| 75° | 7243 | 7820 | 11918 | 7820 |
| 80° | 6072 | 6406 | 11544 | 6406 |
| 85° | 4483 | 4631 | 11060 | 4631 |



TEST NUMBER: P332681-840

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 189.6 | 2.5 |
| 10°-20° | 584.5 | 7.8 |
| 20°-30° | 926.8 | 12.4 |
| 30°-40° | 1031.4 | 13.7 |
| 40°-50° | 938.9 | 12.5 |
| 50°-60° | 767.2 | 10.2 |
| 60°-70° | 547.7 | 7.3 |
| 70°-80° | 301.6 | 4.0 |
| 80°-90° | 84.0 | 1.1 |
| 90°-100° | 211.8 | 2.8 |
| 100°-110° | 440.8 | 5.9 |
| 110°-120° | 394.8 | 5.3 |
| 120°-130° | 332.1 | 4.4 |
| 130°-140° | 276.9 | 3.7 |
| 140°-150° | 211.5 | 2.8 |
| 150°-160° | 148.7 | 2.0 |
| 160°-170° | 87.5 | 1.2 |
| 170°-180° | 28.5 | 0.4 |
| 0°-30° | 1700.9 | 22.7 |
| 0°-40° | 2732.3 | 36.4 |
| 0°-60° | 4438.4 | 59.1 |
| 0°-90° | 5371.7 | 71.6 |
| 90°-120° | 1047.4 | 14.0 |
| 90°-150° | 1868.0 | 24.9 |
| 90°-180° | 2133.0 | 28.4 |
| 0°-180° | 7504.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1946 | 1946 | 1946 | 1946 | 1946 | |
| 5° | 2283 | 1944 | 1716 | 1944 | 2283 | 232 |
| 15° | 3136 | 1858 | 1376 | 1858 | 3136 | 886 |
| 25° | 3330 | 1698 | 1118 | 1698 | 3330 | 1468 |
| 35° | 1969 | 1474 | 990 | 1474 | 1969 | 1250 |
| 45° | 1105 | 1176 | 885 | 1176 | 1105 | 870 |
| 55° | 722 | 829 | 772 | 829 | 722 | 653 |
| 65° | 464 | 515 | 618 | 515 | 464 | 460 |
| 75° | 232 | 251 | 382 | 251 | 232 | 247 |
| 85° | 48 | 50 | 119 | 50 | 48 | 59 |
| 90° | 12 | 1 | 12 | 1 | 12 | 12 |
| 95° | 141 | 19 | 141 | 19 | 141 | 218 |
| 105° | 810 | 67 | 810 | 67 | 810 | 801 |
| 115° | 778 | 119 | 778 | 119 | 778 | 773 |
| 125° | 621 | 165 | 621 | 165 | 621 | 564 |
| 135° | 555 | 196 | 555 | 196 | 555 | 429 |
| 145° | 453 | 226 | 453 | 226 | 453 | 287 |
| 155° | 380 | 258 | 380 | 258 | 380 | 177 |
| 165° | 331 | 280 | 331 | 280 | 331 | 95 |
| 175° | 298 | 293 | 298 | 293 | 298 | 29 |
| 180° | 293 | 293 | 293 | 293 | 293 | |



TEST NUMBER: P332681-840
 CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 |
| 2.5° | 2071.5 | 2070.8 | 2064.5 | 2063.2 | 2058.6 | 2052.9 | 2051.5 | 2041.2 | 2020.5 | 2010.8 | 2008.3 |
| 5° | 2283.4 | 2299.6 | 2278.6 | 2274.5 | 2272.1 | 2245.5 | 2231.8 | 2215.6 | 2178.6 | 2156.9 | 2139.9 |
| 7.5° | 2536.3 | 2538.2 | 2529.0 | 2521.6 | 2501.1 | 2477.9 | 2443.1 | 2406.0 | 2361.8 | 2315.8 | 2281.2 |
| 10° | 2702.7 | 2709.2 | 2698.7 | 2697.0 | 2655.9 | 2630.1 | 2578.5 | 2535.0 | 2485.0 | 2429.3 | 2378.5 |
| 12.5° | 2878.1 | 2869.1 | 2863.8 | 2829.2 | 2821.7 | 2774.6 | 2714.6 | 2669.8 | 2592.7 | 2528.7 | 2461.1 |
| 15° | 3136.4 | 3118.8 | 3107.5 | 3059.9 | 3036.5 | 2971.1 | 2907.5 | 2858.3 | 2757.5 | 2661.6 | 2589.0 |
| 17.5° | 3288.0 | 3305.8 | 3279.6 | 3260.1 | 3199.7 | 3153.9 | 3088.8 | 2985.6 | 2906.7 | 2787.5 | 2695.9 |
| 20° | 3397.7 | 3399.3 | 3384.8 | 3364.7 | 3317.1 | 3259.0 | 3188.0 | 3075.1 | 2980.8 | 2862.4 | 2736.5 |
| 22.5° | 3427.4 | 3427.7 | 3421.5 | 3402.7 | 3366.7 | 3319.6 | 3248.0 | 3153.9 | 3039.6 | 2910.7 | 2784.9 |
| 25° | 3329.9 | 3326.7 | 3334.0 | 3355.0 | 3341.2 | 3326.7 | 3285.6 | 3215.5 | 3109.1 | 2972.7 | 2837.3 |
| 27.5° | 2968.1 | 2990.3 | 3031.3 | 3082.9 | 3132.6 | 3170.5 | 3181.2 | 3166.7 | 3100.8 | 2988.8 | 2846.8 |
| 30° | 2707.5 | 2734.9 | 2765.6 | 2817.1 | 2917.2 | 2974.4 | 3037.3 | 3084.8 | 3058.3 | 2968.8 | 2836.5 |
| 32.5° | 2421.2 | 2427.9 | 2473.4 | 2532.0 | 2623.6 | 2733.8 | 2833.5 | 2930.0 | 2962.1 | 2915.2 | 2804.9 |
| 35° | 1968.9 | 1980.2 | 2029.4 | 2087.5 | 2199.6 | 2334.2 | 2484.2 | 2618.0 | 2728.5 | 2772.8 | 2716.3 |
| 37.5° | 1606.8 | 1639.2 | 1673.9 | 1736.3 | 1834.9 | 1956.2 | 2112.0 | 2285.2 | 2449.8 | 2560.1 | 2578.8 |
| 40° | 1435.2 | 1455.3 | 1480.4 | 1527.9 | 1611.7 | 1731.1 | 1864.9 | 2063.3 | 2238.3 | 2396.3 | 2447.9 |
| 42.5° | 1299.7 | 1311.5 | 1326.9 | 1369.9 | 1433.7 | 1552.5 | 1674.7 | 1849.2 | 2024.8 | 2213.7 | 2300.2 |
| 45° | 1104.6 | 1116.7 | 1142.5 | 1167.5 | 1215.9 | 1298.1 | 1411.8 | 1555.3 | 1731.9 | 1914.1 | 2073.8 |
| 47.5° | 963.7 | 971.4 | 986.7 | 1013.5 | 1054.6 | 1108.8 | 1201.3 | 1321.2 | 1484.9 | 1661.7 | 1831.9 |
| 50° | 883.7 | 890.1 | 902.2 | 926.5 | 957.9 | 1006.2 | 1082.1 | 1194.1 | 1322.3 | 1500.5 | 1667.4 |
| 52.5° | 820.5 | 823.0 | 831.9 | 848.4 | 873.3 | 914.0 | 976.2 | 1068.9 | 1188.1 | 1347.0 | 1513.3 |
| 55° | 722.5 | 725.7 | 733.8 | 745.8 | 767.6 | 793.3 | 840.9 | 910.3 | 1014.3 | 1152.2 | 1296.5 |
| 57.5° | 641.8 | 644.1 | 650.9 | 655.5 | 673.4 | 694.4 | 730.9 | 780.5 | 859.3 | 976.2 | 1105.1 |
| 60° | 590.2 | 588.5 | 596.6 | 600.7 | 612.8 | 630.6 | 658.7 | 706.3 | 774.9 | 869.2 | 987.7 |
| 62.5° | 539.9 | 537.7 | 544.4 | 549.8 | 556.6 | 571.8 | 594.9 | 632.2 | 687.7 | 773.1 | 875.5 |
| 65° | 464.4 | 461.2 | 465.2 | 471.7 | 478.2 | 486.1 | 503.1 | 536.1 | 580.6 | 641.8 | 720.0 |
| 67.5° | 388.6 | 392.0 | 392.6 | 395.9 | 399.6 | 410.6 | 422.1 | 445.6 | 476.9 | 525.8 | 592.2 |
| 70° | 343.5 | 344.3 | 347.5 | 347.5 | 349.9 | 359.6 | 369.3 | 382.9 | 413.6 | 458.8 | 512.8 |
| 72.5° | 298.3 | 301.7 | 300.4 | 303.0 | 304.8 | 311.2 | 318.3 | 331.3 | 357.5 | 391.0 | 436.7 |
| 75° | 232.2 | 234.6 | 234.6 | 235.4 | 237.8 | 240.2 | 245.9 | 255.6 | 274.2 | 299.1 | 330.5 |
| 77.5° | 169.4 | 169.7 | 170.8 | 173.7 | 173.7 | 177.5 | 181.8 | 189.5 | 198.6 | 215.8 | 235.0 |
| 80° | 130.6 | 132.2 | 131.4 | 133.0 | 133.0 | 136.2 | 137.8 | 147.5 | 151.6 | 162.9 | 178.1 |
| 82.5° | 95.8 | 97.4 | 97.3 | 99.5 | 100.8 | 101.4 | 103.7 | 107.6 | 111.6 | 121.6 | 127.8 |
| 85° | 48.4 | 50.0 | 48.4 | 50.0 | 52.4 | 53.2 | 55.6 | 56.5 | 59.7 | 62.1 | 67.8 |
| 87.5° | 16.6 | 18.6 | 18.7 | 19.2 | 20.4 | 21.0 | 21.5 | 20.8 | 23.2 | 24.0 | 26.4 |
| 90° | 12.1 | 12.1 | 12.6 | 12.1 | 11.5 | 11.5 | 10.9 | 10.4 | 9.8 | 10.4 | 9.2 |
| 92.5° | 44.3 | 44.3 | 46.4 | 49.4 | 56.2 | 67.8 | 85.1 | 113.1 | 152.2 | 182.7 | 160.0 |
| 95° | 140.6 | 148.0 | 158.4 | 176.3 | 204.5 | 260.3 | 337.6 | 426.9 | 482.7 | 469.5 | 354.3 |
| 97.5° | 375.7 | 387.7 | 405.0 | 439.7 | 481.0 | 541.2 | 597.5 | 630.7 | 606.5 | 494.5 | 331.6 |
| 100° | 528.3 | 532.9 | 550.2 | 585.3 | 635.4 | 678.0 | 706.3 | 694.8 | 610.7 | 463.1 | 300.7 |
| 102.5° | 661.0 | 664.7 | 682.9 | 708.3 | 739.1 | 756.9 | 748.7 | 691.6 | 576.0 | 424.0 | 279.9 |
| 105° | 810.5 | 814.0 | 822.0 | 826.7 | 825.6 | 801.9 | 744.9 | 645.2 | 513.3 | 377.9 | 262.2 |
| 107.5° | 866.1 | 864.5 | 858.8 | 845.7 | 817.2 | 765.9 | 685.5 | 579.5 | 462.6 | 352.1 | 258.9 |
| 110° | 867.0 | 861.8 | 851.4 | 827.3 | 786.4 | 723.0 | 639.4 | 539.8 | 437.3 | 343.4 | 259.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 839.8 | 831.4 | 816.9 | 787.6 | 741.1 | 677.8 | 598.8 | 510.8 | 422.9 | 339.2 | 262.6 |
| 115° | 778.3 | 773.7 | 755.3 | 720.6 | 675.2 | 619.9 | 552.5 | 481.6 | 409.6 | 337.0 | 267.9 |
| 117.5° | 716.0 | 712.4 | 693.7 | 664.7 | 625.8 | 579.0 | 525.9 | 467.3 | 403.6 | 336.4 | 273.5 |
| 120° | 681.0 | 674.6 | 659.6 | 634.3 | 601.4 | 560.5 | 514.4 | 460.9 | 400.4 | 336.4 | 277.7 |
| 122.5° | 653.3 | 646.9 | 634.3 | 612.6 | 584.8 | 549.0 | 507.1 | 455.3 | 396.7 | 336.0 | 281.9 |
| 125° | 621.0 | 617.5 | 606.6 | 589.9 | 566.8 | 535.1 | 495.4 | 445.9 | 390.6 | 335.3 | 288.0 |
| 127.5° | 602.1 | 598.6 | 589.5 | 574.6 | 551.4 | 521.4 | 481.7 | 434.3 | 382.4 | 334.0 | 293.0 |
| 130° | 591.1 | 587.6 | 578.3 | 564.0 | 540.4 | 509.8 | 470.7 | 425.2 | 377.3 | 333.6 | 296.7 |
| 132.5° | 578.7 | 575.1 | 566.4 | 550.2 | 526.9 | 496.4 | 458.2 | 415.5 | 372.7 | 333.1 | 299.9 |
| 135° | 555.3 | 551.9 | 542.7 | 526.5 | 503.5 | 474.6 | 439.6 | 402.1 | 365.8 | 332.3 | 304.8 |
| 137.5° | 526.5 | 522.4 | 514.8 | 498.9 | 477.4 | 451.3 | 421.7 | 390.0 | 359.8 | 332.2 | 307.6 |
| 140° | 505.8 | 501.2 | 493.1 | 480.5 | 460.3 | 436.1 | 410.2 | 383.0 | 356.6 | 331.8 | 309.9 |
| 142.5° | 483.6 | 480.5 | 473.3 | 461.5 | 443.7 | 422.7 | 400.5 | 376.7 | 353.9 | 331.8 | 311.7 |
| 145° | 453.3 | 450.5 | 444.7 | 434.9 | 420.5 | 404.5 | 387.1 | 367.5 | 349.1 | 330.6 | 312.9 |
| 147.5° | 426.6 | 425.5 | 421.1 | 412.7 | 402.1 | 389.4 | 375.6 | 360.0 | 344.9 | 328.6 | 313.4 |
| 150° | 411.3 | 410.7 | 407.3 | 399.8 | 390.6 | 380.2 | 368.7 | 355.5 | 341.6 | 327.2 | 313.4 |
| 152.5° | 397.5 | 396.9 | 394.9 | 388.7 | 380.9 | 372.3 | 361.7 | 350.3 | 337.9 | 324.9 | 312.5 |
| 155° | 379.6 | 379.6 | 377.9 | 373.3 | 367.5 | 360.6 | 351.9 | 342.7 | 332.3 | 321.4 | 311.0 |
| 157.5° | 364.0 | 364.0 | 362.9 | 359.5 | 355.1 | 349.5 | 342.3 | 334.6 | 326.8 | 317.9 | 309.6 |
| 160° | 354.3 | 354.3 | 353.8 | 350.2 | 346.8 | 342.1 | 335.9 | 329.5 | 322.7 | 315.1 | 308.2 |
| 162.5° | 345.1 | 345.6 | 345.0 | 341.5 | 339.0 | 334.8 | 329.8 | 324.5 | 318.9 | 312.4 | 306.8 |
| 165° | 331.2 | 331.8 | 332.3 | 330.1 | 327.8 | 324.9 | 320.8 | 317.4 | 312.9 | 308.2 | 304.2 |
| 167.5° | 320.3 | 320.7 | 320.8 | 319.4 | 318.2 | 316.5 | 313.3 | 310.6 | 307.3 | 304.1 | 301.4 |
| 170° | 313.4 | 313.4 | 314.0 | 313.4 | 312.3 | 310.5 | 308.2 | 306.5 | 303.6 | 301.2 | 299.5 |
| 172.5° | 306.5 | 307.4 | 308.0 | 307.4 | 306.7 | 305.5 | 304.1 | 302.8 | 300.3 | 298.5 | 297.7 |
| 175° | 298.4 | 299.5 | 300.7 | 299.5 | 299.5 | 299.5 | 298.4 | 297.8 | 296.7 | 295.5 | 295.5 |
| 177.5° | 293.7 | 294.6 | 295.5 | 295.1 | 295.5 | 295.1 | 295.1 | 294.6 | 294.2 | 293.7 | 293.7 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 |
| 2.5° | 2008.9 | 1999.9 | 1993.5 | 1988.3 | 1974.1 | 1965.7 | 1959.2 | 1950.3 | 1940.0 | 1928.9 | 1915.4 |
| 5° | 2122.9 | 2095.6 | 2075.4 | 2044.8 | 2015.7 | 1991.6 | 1966.5 | 1944.0 | 1916.5 | 1886.7 | 1864.9 |
| 7.5° | 2242.8 | 2202.0 | 2149.7 | 2104.5 | 2053.5 | 2009.1 | 1969.4 | 1928.8 | 1886.5 | 1845.6 | 1808.1 |
| 10° | 2318.9 | 2266.4 | 2208.4 | 2139.9 | 2075.4 | 2018.1 | 1964.9 | 1913.3 | 1863.3 | 1813.3 | 1770.6 |
| 12.5° | 2400.9 | 2335.5 | 2249.7 | 2169.6 | 2097.3 | 2020.7 | 1956.5 | 1893.3 | 1833.0 | 1780.5 | 1730.6 |
| 15° | 2510.8 | 2416.4 | 2317.2 | 2210.0 | 2114.9 | 2025.4 | 1937.5 | 1857.6 | 1790.0 | 1720.6 | 1672.2 |
| 17.5° | 2578.4 | 2461.6 | 2348.2 | 2236.1 | 2121.0 | 2008.1 | 1913.3 | 1821.3 | 1736.5 | 1667.6 | 1606.6 |
| 20° | 2622.8 | 2506.8 | 2365.6 | 2253.6 | 2116.5 | 2000.4 | 1890.8 | 1788.4 | 1699.7 | 1626.3 | 1563.4 |
| 22.5° | 2661.6 | 2527.4 | 2386.3 | 2238.8 | 2102.3 | 1979.1 | 1859.2 | 1756.1 | 1665.5 | 1588.2 | 1527.9 |
| 25° | 2682.5 | 2528.5 | 2375.3 | 2228.6 | 2073.8 | 1927.8 | 1819.0 | 1698.1 | 1601.2 | 1519.8 | 1455.3 |
| 27.5° | 2684.8 | 2520.1 | 2346.8 | 2183.7 | 2024.0 | 1888.0 | 1750.6 | 1642.5 | 1542.1 | 1456.0 | 1394.1 |
| 30° | 2677.7 | 2506.0 | 2319.7 | 2143.1 | 1982.7 | 1835.1 | 1715.8 | 1598.1 | 1495.7 | 1410.2 | 1345.6 |
| 32.5° | 2655.1 | 2476.3 | 2284.8 | 2098.0 | 1931.7 | 1787.4 | 1664.2 | 1552.3 | 1452.5 | 1368.3 | 1300.5 |
| 35° | 2589.8 | 2413.2 | 2209.2 | 2014.9 | 1844.8 | 1698.9 | 1587.6 | 1473.9 | 1373.9 | 1294.1 | 1228.8 |
| 37.5° | 2487.7 | 2328.0 | 2120.7 | 1919.7 | 1752.5 | 1606.0 | 1495.7 | 1392.9 | 1302.8 | 1221.7 | 1154.8 |
| 40° | 2398.7 | 2258.5 | 2050.4 | 1854.4 | 1673.9 | 1534.4 | 1431.2 | 1336.9 | 1247.3 | 1170.7 | 1107.0 |
| 42.5° | 2296.1 | 2173.9 | 1982.1 | 1774.4 | 1600.3 | 1460.2 | 1359.6 | 1274.9 | 1190.5 | 1119.7 | 1056.1 |
| 45° | 2113.2 | 2032.7 | 1852.1 | 1660.1 | 1478.7 | 1346.5 | 1250.5 | 1176.4 | 1105.4 | 1036.1 | 982.9 |
| 47.5° | 1903.0 | 1863.0 | 1710.9 | 1528.7 | 1356.5 | 1226.2 | 1143.0 | 1074.5 | 1012.2 | 953.5 | 906.6 |
| 50° | 1761.7 | 1742.4 | 1610.9 | 1435.2 | 1270.7 | 1148.1 | 1064.3 | 1005.4 | 952.2 | 900.6 | 856.3 |
| 52.5° | 1622.4 | 1621.7 | 1503.3 | 1342.3 | 1190.1 | 1072.1 | 988.9 | 933.8 | 887.8 | 845.8 | 806.0 |
| 55° | 1409.4 | 1432.0 | 1339.3 | 1195.7 | 1059.4 | 953.0 | 878.1 | 828.9 | 796.6 | 761.9 | 732.2 |
| 57.5° | 1213.8 | 1251.2 | 1174.8 | 1048.3 | 934.6 | 836.6 | 771.3 | 734.4 | 700.0 | 679.0 | 657.3 |
| 60° | 1086.1 | 1121.6 | 1061.9 | 955.4 | 848.2 | 764.4 | 702.3 | 669.2 | 639.3 | 624.9 | 609.6 |
| 62.5° | 972.5 | 1004.1 | 960.0 | 861.3 | 768.2 | 687.6 | 635.2 | 603.4 | 583.3 | 567.4 | 557.3 |
| 65° | 810.3 | 837.0 | 799.0 | 727.3 | 647.4 | 583.0 | 540.2 | 515.2 | 495.8 | 489.4 | 478.2 |
| 67.5° | 655.0 | 679.2 | 658.7 | 597.7 | 533.7 | 484.9 | 451.5 | 427.5 | 416.1 | 410.4 | 402.3 |
| 70° | 562.8 | 586.9 | 565.2 | 512.0 | 462.8 | 421.7 | 390.2 | 376.6 | 364.5 | 362.0 | 350.7 |
| 72.5° | 484.7 | 501.2 | 479.4 | 437.8 | 395.8 | 361.0 | 336.7 | 322.3 | 316.1 | 311.7 | 305.6 |
| 75° | 363.7 | 378.2 | 363.7 | 331.3 | 301.5 | 277.4 | 256.4 | 250.7 | 243.5 | 241.1 | 237.0 |
| 77.5° | 257.4 | 269.9 | 258.8 | 238.6 | 216.4 | 197.7 | 186.4 | 179.2 | 177.5 | 173.4 | 175.3 |
| 80° | 196.7 | 204.8 | 194.3 | 180.6 | 162.9 | 150.0 | 141.9 | 137.8 | 133.0 | 131.4 | 134.6 |
| 82.5° | 141.3 | 144.8 | 139.5 | 130.3 | 117.0 | 108.7 | 103.2 | 98.6 | 97.6 | 97.9 | 97.9 |
| 85° | 73.4 | 72.6 | 71.8 | 63.7 | 59.7 | 54.0 | 50.8 | 50.0 | 49.2 | 50.8 | 52.4 |
| 87.5° | 26.2 | 26.8 | 25.4 | 22.8 | 20.8 | 18.8 | 17.8 | 16.9 | 17.8 | 18.8 | 19.5 |
| 90° | 8.1 | 8.1 | 4.6 | 4.6 | 4.0 | 3.4 | 1.7 | 0.6 | 1.7 | 3.4 | 4.0 |
| 92.5° | 116.3 | 71.7 | 42.4 | 30.4 | 22.0 | 14.9 | 9.6 | 6.6 | 9.6 | 14.9 | 22.0 |
| 95° | 216.6 | 122.1 | 72.0 | 47.8 | 34.0 | 26.5 | 20.7 | 19.0 | 20.7 | 26.5 | 34.0 |
| 97.5° | 194.7 | 116.7 | 78.2 | 57.9 | 45.9 | 39.1 | 34.1 | 34.1 | 34.1 | 39.1 | 45.9 |
| 100° | 183.2 | 118.1 | 84.1 | 65.6 | 54.7 | 47.8 | 43.8 | 43.8 | 43.8 | 47.8 | 54.7 |
| 102.5° | 180.0 | 122.7 | 91.9 | 74.4 | 63.9 | 57.5 | 53.9 | 53.0 | 53.9 | 57.5 | 63.9 |
| 105° | 181.5 | 133.6 | 106.0 | 89.3 | 79.0 | 72.0 | 69.2 | 67.4 | 69.2 | 72.0 | 79.0 |
| 107.5° | 190.0 | 146.4 | 121.1 | 104.6 | 94.7 | 87.4 | 84.4 | 83.3 | 84.4 | 87.4 | 94.7 |
| 110° | 196.4 | 156.1 | 130.8 | 115.2 | 104.8 | 98.0 | 95.0 | 93.9 | 95.0 | 98.0 | 104.8 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 203.4 | 165.3 | 140.9 | 125.3 | 115.0 | 108.6 | 105.2 | 104.0 | 105.2 | 108.6 | 115.0 |
| 115° | 214.3 | 179.8 | 156.7 | 141.2 | 130.2 | 124.4 | 120.4 | 118.7 | 120.4 | 124.4 | 130.2 |
| 117.5° | 225.5 | 193.7 | 171.8 | 155.6 | 145.4 | 139.1 | 135.5 | 133.9 | 135.5 | 139.1 | 145.4 |
| 120° | 233.3 | 203.4 | 181.5 | 165.3 | 155.5 | 149.2 | 145.2 | 144.0 | 145.2 | 149.2 | 155.5 |
| 122.5° | 240.7 | 212.6 | 190.7 | 175.0 | 164.3 | 158.4 | 154.4 | 153.2 | 154.4 | 158.4 | 164.3 |
| 125° | 251.8 | 225.2 | 204.5 | 188.3 | 177.4 | 171.1 | 167.6 | 165.3 | 167.6 | 171.1 | 177.4 |
| 127.5° | 261.4 | 237.0 | 216.9 | 200.7 | 189.2 | 182.1 | 177.9 | 176.0 | 177.9 | 182.1 | 189.2 |
| 130° | 267.3 | 244.8 | 225.2 | 208.5 | 197.6 | 188.9 | 184.3 | 182.1 | 184.3 | 188.9 | 197.6 |
| 132.5° | 273.3 | 251.3 | 231.7 | 215.9 | 204.1 | 195.9 | 189.9 | 188.0 | 189.9 | 195.9 | 204.1 |
| 135° | 281.1 | 260.3 | 241.4 | 226.4 | 214.3 | 204.5 | 198.7 | 196.4 | 198.7 | 204.5 | 214.3 |
| 137.5° | 286.7 | 267.3 | 249.5 | 235.3 | 222.7 | 213.4 | 207.0 | 204.9 | 207.0 | 213.4 | 222.7 |
| 140° | 290.3 | 272.0 | 254.6 | 240.8 | 228.7 | 218.9 | 212.6 | 210.9 | 212.6 | 218.9 | 228.7 |
| 142.5° | 293.1 | 276.1 | 259.2 | 245.9 | 234.2 | 224.9 | 219.0 | 217.3 | 219.0 | 224.9 | 234.2 |
| 145° | 296.1 | 280.5 | 265.6 | 252.9 | 242.0 | 233.9 | 228.1 | 226.4 | 228.1 | 233.9 | 242.0 |
| 147.5° | 298.7 | 285.2 | 271.1 | 259.7 | 250.5 | 242.3 | 237.2 | 236.6 | 237.2 | 242.3 | 250.5 |
| 150° | 300.1 | 287.5 | 274.8 | 263.9 | 255.2 | 248.3 | 243.7 | 243.1 | 243.7 | 248.3 | 255.2 |
| 152.5° | 301.0 | 289.3 | 278.0 | 268.0 | 260.2 | 253.8 | 249.2 | 249.1 | 249.2 | 253.8 | 260.2 |
| 155° | 301.8 | 292.1 | 282.3 | 273.7 | 267.3 | 261.6 | 258.1 | 257.5 | 258.1 | 261.6 | 267.3 |
| 157.5° | 301.8 | 294.1 | 285.7 | 278.9 | 273.4 | 268.9 | 265.7 | 265.7 | 265.7 | 268.9 | 273.4 |
| 160° | 301.8 | 295.0 | 288.0 | 281.7 | 277.1 | 273.1 | 270.7 | 270.7 | 270.7 | 273.1 | 277.1 |
| 162.5° | 301.8 | 295.9 | 289.4 | 284.5 | 280.3 | 276.7 | 274.9 | 275.4 | 274.9 | 276.7 | 280.3 |
| 165° | 300.7 | 296.1 | 290.9 | 287.5 | 284.6 | 281.7 | 280.5 | 280.5 | 280.5 | 281.7 | 284.6 |
| 167.5° | 299.3 | 296.0 | 292.2 | 289.5 | 287.9 | 285.7 | 285.2 | 285.7 | 285.2 | 285.7 | 287.9 |
| 170° | 298.4 | 295.5 | 292.7 | 290.9 | 289.7 | 288.0 | 287.5 | 288.0 | 287.5 | 288.0 | 289.7 |
| 172.5° | 297.5 | 295.1 | 293.1 | 291.9 | 291.1 | 289.8 | 289.7 | 290.3 | 289.7 | 289.8 | 291.1 |
| 175° | 296.1 | 294.4 | 293.3 | 293.3 | 292.7 | 292.1 | 292.1 | 292.7 | 292.1 | 292.1 | 292.7 |
| 177.5° | 294.6 | 293.7 | 293.3 | 293.3 | 293.3 | 292.8 | 293.3 | 293.7 | 293.3 | 292.8 | 293.3 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 |
| 2.5° | 1908.9 | 1903.2 | 1894.8 | 1883.2 | 1873.5 | 1863.2 | 1860.6 | 1856.7 | 1864.4 | 1858.1 | 1856.0 |
| 5° | 1846.4 | 1829.5 | 1807.7 | 1782.7 | 1768.2 | 1747.3 | 1743.2 | 1735.2 | 1727.1 | 1726.3 | 1718.2 |
| 7.5° | 1780.1 | 1755.2 | 1726.8 | 1701.2 | 1677.7 | 1654.9 | 1639.8 | 1636.6 | 1624.7 | 1617.7 | 1609.6 |
| 10° | 1737.6 | 1706.9 | 1673.9 | 1649.7 | 1622.2 | 1598.1 | 1581.1 | 1571.5 | 1563.4 | 1554.5 | 1546.5 |
| 12.5° | 1687.3 | 1654.7 | 1627.4 | 1601.2 | 1568.7 | 1550.3 | 1522.5 | 1505.7 | 1504.1 | 1504.2 | 1483.3 |
| 15° | 1628.7 | 1596.5 | 1554.5 | 1517.4 | 1499.6 | 1464.2 | 1448.9 | 1429.6 | 1417.4 | 1405.3 | 1395.7 |
| 17.5° | 1561.8 | 1521.7 | 1488.8 | 1446.3 | 1412.5 | 1384.2 | 1364.1 | 1352.5 | 1334.2 | 1317.2 | 1304.7 |
| 20° | 1519.8 | 1477.1 | 1442.5 | 1397.2 | 1360.2 | 1325.5 | 1308.6 | 1292.5 | 1278.8 | 1264.3 | 1250.5 |
| 22.5° | 1477.2 | 1432.6 | 1390.2 | 1346.4 | 1311.8 | 1275.3 | 1258.9 | 1237.0 | 1224.0 | 1215.9 | 1202.1 |
| 25° | 1410.2 | 1361.8 | 1313.4 | 1271.5 | 1236.1 | 1203.8 | 1182.0 | 1165.1 | 1150.5 | 1144.1 | 1135.3 |
| 27.5° | 1337.3 | 1289.3 | 1242.5 | 1194.9 | 1154.6 | 1131.3 | 1113.8 | 1101.1 | 1092.7 | 1084.1 | 1080.2 |
| 30° | 1290.9 | 1240.9 | 1190.9 | 1146.5 | 1109.4 | 1086.1 | 1070.0 | 1061.1 | 1054.6 | 1050.6 | 1046.5 |
| 32.5° | 1243.7 | 1194.5 | 1141.9 | 1101.4 | 1068.1 | 1047.3 | 1035.1 | 1026.2 | 1023.0 | 1021.6 | 1020.2 |
| 35° | 1168.3 | 1118.3 | 1070.0 | 1033.7 | 1002.2 | 994.1 | 983.7 | 978.9 | 977.2 | 982.9 | 985.3 |
| 37.5° | 1095.3 | 1048.8 | 1004.3 | 969.2 | 948.6 | 936.8 | 933.2 | 933.3 | 939.2 | 944.1 | 950.0 |
| 40° | 1048.1 | 1003.0 | 961.1 | 930.5 | 911.1 | 903.8 | 902.2 | 906.3 | 912.7 | 918.4 | 924.8 |
| 42.5° | 1002.4 | 957.9 | 919.8 | 891.1 | 877.6 | 870.9 | 871.9 | 876.0 | 884.9 | 891.9 | 901.6 |
| 45° | 931.3 | 894.1 | 857.1 | 833.7 | 822.4 | 824.0 | 824.0 | 831.3 | 840.1 | 850.6 | 861.1 |
| 47.5° | 864.3 | 827.0 | 796.5 | 776.8 | 770.9 | 769.5 | 774.1 | 783.6 | 796.3 | 809.2 | 823.8 |
| 50° | 819.2 | 783.8 | 757.1 | 739.3 | 733.0 | 735.4 | 741.7 | 750.6 | 766.0 | 782.1 | 797.4 |
| 52.5° | 773.4 | 741.1 | 716.5 | 700.0 | 695.5 | 699.8 | 706.3 | 720.3 | 733.8 | 751.1 | 769.7 |
| 55° | 702.3 | 674.9 | 655.5 | 643.4 | 641.8 | 644.2 | 651.5 | 666.8 | 686.1 | 707.9 | 725.7 |
| 57.5° | 631.5 | 608.5 | 590.9 | 582.5 | 583.3 | 585.5 | 597.4 | 615.7 | 636.3 | 659.5 | 682.5 |
| 60° | 583.7 | 562.8 | 548.3 | 541.8 | 542.6 | 547.4 | 562.0 | 579.0 | 604.7 | 627.3 | 651.5 |
| 62.5° | 538.6 | 520.2 | 506.3 | 500.6 | 499.4 | 510.1 | 523.9 | 541.5 | 567.3 | 592.5 | 618.5 |
| 65° | 466.1 | 451.5 | 440.2 | 437.0 | 439.4 | 447.5 | 465.2 | 488.6 | 510.4 | 536.9 | 564.4 |
| 67.5° | 395.1 | 383.1 | 375.4 | 376.9 | 379.8 | 391.7 | 406.6 | 426.7 | 451.4 | 479.0 | 506.0 |
| 70° | 349.9 | 338.6 | 332.1 | 333.0 | 337.8 | 352.3 | 365.3 | 385.4 | 412.0 | 440.2 | 462.8 |
| 72.5° | 303.5 | 296.1 | 290.2 | 293.7 | 298.5 | 308.5 | 324.6 | 344.8 | 368.2 | 394.5 | 418.3 |
| 75° | 233.0 | 233.0 | 229.7 | 232.2 | 239.4 | 249.1 | 261.3 | 282.2 | 305.6 | 326.6 | 345.9 |
| 77.5° | 172.9 | 171.1 | 173.2 | 176.1 | 180.3 | 191.8 | 205.6 | 220.6 | 238.2 | 259.1 | 275.1 |
| 80° | 132.2 | 133.0 | 137.0 | 141.9 | 143.5 | 152.4 | 166.9 | 180.6 | 194.3 | 212.1 | 227.4 |
| 82.5° | 99.4 | 100.2 | 102.2 | 108.4 | 110.0 | 119.5 | 128.9 | 142.6 | 155.0 | 166.9 | 179.7 |
| 85° | 54.0 | 54.0 | 58.1 | 60.5 | 64.5 | 71.0 | 76.5 | 84.6 | 95.9 | 104.0 | 116.1 |
| 87.5° | 21.6 | 21.6 | 24.8 | 26.2 | 28.3 | 31.7 | 32.9 | 40.1 | 42.8 | 46.2 | 52.0 |
| 90° | 4.6 | 4.6 | 8.1 | 8.1 | 9.2 | 10.4 | 9.8 | 10.4 | 10.9 | 11.5 | 11.5 |
| 92.5° | 30.4 | 42.4 | 71.7 | 116.3 | 160.0 | 182.7 | 152.2 | 113.1 | 85.1 | 67.8 | 56.2 |
| 95° | 47.8 | 72.0 | 122.1 | 216.6 | 354.3 | 469.5 | 482.7 | 426.9 | 337.6 | 260.3 | 204.5 |
| 97.5° | 57.9 | 78.2 | 116.7 | 194.7 | 331.6 | 494.5 | 606.5 | 630.7 | 597.5 | 541.2 | 481.0 |
| 100° | 65.6 | 84.1 | 118.1 | 183.2 | 300.7 | 463.1 | 610.7 | 694.8 | 706.3 | 678.0 | 635.4 |
| 102.5° | 74.4 | 91.9 | 122.7 | 180.0 | 279.9 | 424.0 | 576.0 | 691.6 | 748.7 | 756.9 | 739.1 |
| 105° | 89.3 | 106.0 | 133.6 | 181.5 | 262.2 | 377.9 | 513.3 | 645.2 | 744.9 | 801.9 | 825.6 |
| 107.5° | 104.6 | 121.1 | 146.4 | 190.0 | 258.9 | 352.1 | 462.6 | 579.5 | 685.5 | 765.9 | 817.2 |
| 110° | 115.2 | 130.8 | 156.1 | 196.4 | 259.8 | 343.4 | 437.3 | 539.8 | 639.4 | 723.0 | 786.4 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 125.3 | 140.9 | 165.3 | 203.4 | 262.6 | 339.2 | 422.9 | 510.8 | 598.8 | 677.8 | 741.1 |
| 115° | 141.2 | 156.7 | 179.8 | 214.3 | 267.9 | 337.0 | 409.6 | 481.6 | 552.5 | 619.9 | 675.2 |
| 117.5° | 155.6 | 171.8 | 193.7 | 225.5 | 273.5 | 336.4 | 403.6 | 467.3 | 525.9 | 579.0 | 625.8 |
| 120° | 165.3 | 181.5 | 203.4 | 233.3 | 277.7 | 336.4 | 400.4 | 460.9 | 514.4 | 560.5 | 601.4 |
| 122.5° | 175.0 | 190.7 | 212.6 | 240.7 | 281.9 | 336.0 | 396.7 | 455.3 | 507.1 | 549.0 | 584.8 |
| 125° | 188.3 | 204.5 | 225.2 | 251.8 | 288.0 | 335.3 | 390.6 | 445.9 | 495.4 | 535.1 | 566.8 |
| 127.5° | 200.7 | 216.9 | 237.0 | 261.4 | 293.0 | 334.0 | 382.4 | 434.3 | 481.7 | 521.4 | 551.4 |
| 130° | 208.5 | 225.2 | 244.8 | 267.3 | 296.7 | 333.6 | 377.3 | 425.2 | 470.7 | 509.8 | 540.4 |
| 132.5° | 215.9 | 231.7 | 251.3 | 273.3 | 299.9 | 333.1 | 372.7 | 415.5 | 458.2 | 496.4 | 526.9 |
| 135° | 226.4 | 241.4 | 260.3 | 281.1 | 304.8 | 332.3 | 365.8 | 402.1 | 439.6 | 474.6 | 503.5 |
| 137.5° | 235.3 | 249.5 | 267.3 | 286.7 | 307.6 | 332.2 | 359.8 | 390.0 | 421.7 | 451.3 | 477.4 |
| 140° | 240.8 | 254.6 | 272.0 | 290.3 | 309.9 | 331.8 | 356.6 | 383.0 | 410.2 | 436.1 | 460.3 |
| 142.5° | 245.9 | 259.2 | 276.1 | 293.1 | 311.7 | 331.8 | 353.9 | 376.7 | 400.5 | 422.7 | 443.7 |
| 145° | 252.9 | 265.6 | 280.5 | 296.1 | 312.9 | 330.6 | 349.1 | 367.5 | 387.1 | 404.5 | 420.5 |
| 147.5° | 259.7 | 271.1 | 285.2 | 298.7 | 313.4 | 328.6 | 344.9 | 360.0 | 375.6 | 389.4 | 402.1 |
| 150° | 263.9 | 274.8 | 287.5 | 300.1 | 313.4 | 327.2 | 341.6 | 355.5 | 368.7 | 380.2 | 390.6 |
| 152.5° | 268.0 | 278.0 | 289.3 | 301.0 | 312.5 | 324.9 | 337.9 | 350.3 | 361.7 | 372.3 | 380.9 |
| 155° | 273.7 | 282.3 | 292.1 | 301.8 | 311.0 | 321.4 | 332.3 | 342.7 | 351.9 | 360.6 | 367.5 |
| 157.5° | 278.9 | 285.7 | 294.1 | 301.8 | 309.6 | 317.9 | 326.8 | 334.6 | 342.3 | 349.5 | 355.1 |
| 160° | 281.7 | 288.0 | 295.0 | 301.8 | 308.2 | 315.1 | 322.7 | 329.5 | 335.9 | 342.1 | 346.8 |
| 162.5° | 284.5 | 289.4 | 295.9 | 301.8 | 306.8 | 312.4 | 318.9 | 324.5 | 329.8 | 334.8 | 339.0 |
| 165° | 287.5 | 290.9 | 296.1 | 300.7 | 304.2 | 308.2 | 312.9 | 317.4 | 320.8 | 324.9 | 327.8 |
| 167.5° | 289.5 | 292.2 | 296.0 | 299.3 | 301.4 | 304.1 | 307.3 | 310.6 | 313.3 | 316.5 | 318.2 |
| 170° | 290.9 | 292.7 | 295.5 | 298.4 | 299.5 | 301.2 | 303.6 | 306.5 | 308.2 | 310.5 | 312.3 |
| 172.5° | 291.9 | 293.1 | 295.1 | 297.5 | 297.7 | 298.5 | 300.3 | 302.8 | 304.1 | 305.5 | 306.7 |
| 175° | 293.3 | 293.3 | 294.4 | 296.1 | 295.5 | 295.5 | 296.7 | 297.8 | 298.4 | 299.5 | 299.5 |
| 177.5° | 293.3 | 293.3 | 293.7 | 294.6 | 293.7 | 293.7 | 294.2 | 294.6 | 295.1 | 295.1 | 295.5 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332681-840
 CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 |
| 2.5° | 1854.8 | 1853.5 | 1849.0 | 1848.4 | 1849.0 | 1853.5 | 1854.8 | 1856.0 | 1858.1 | 1864.4 | 1856.7 |
| 5° | 1713.3 | 1709.3 | 1706.9 | 1715.8 | 1706.9 | 1709.3 | 1713.3 | 1718.2 | 1726.3 | 1727.1 | 1735.2 |
| 7.5° | 1606.8 | 1603.6 | 1596.5 | 1594.2 | 1596.5 | 1603.6 | 1606.8 | 1609.6 | 1617.7 | 1624.7 | 1636.6 |
| 10° | 1538.4 | 1535.2 | 1528.7 | 1527.1 | 1528.7 | 1535.2 | 1538.4 | 1546.5 | 1554.5 | 1563.4 | 1571.5 |
| 12.5° | 1472.6 | 1466.1 | 1464.9 | 1466.5 | 1464.9 | 1466.1 | 1472.6 | 1483.3 | 1504.2 | 1504.1 | 1505.7 |
| 15° | 1385.2 | 1382.0 | 1373.1 | 1375.5 | 1373.1 | 1382.0 | 1385.2 | 1395.7 | 1405.3 | 1417.4 | 1429.6 |
| 17.5° | 1299.1 | 1295.3 | 1284.4 | 1293.9 | 1284.4 | 1295.3 | 1299.1 | 1304.7 | 1317.2 | 1334.2 | 1352.5 |
| 20° | 1244.9 | 1238.5 | 1232.8 | 1232.0 | 1232.8 | 1238.5 | 1244.9 | 1250.5 | 1264.3 | 1278.8 | 1292.5 |
| 22.5° | 1193.3 | 1187.5 | 1187.0 | 1181.7 | 1187.0 | 1187.5 | 1193.3 | 1202.1 | 1215.9 | 1224.0 | 1237.0 |
| 25° | 1128.8 | 1123.2 | 1121.6 | 1117.5 | 1121.6 | 1123.2 | 1128.8 | 1135.3 | 1144.1 | 1150.5 | 1165.1 |
| 27.5° | 1079.3 | 1076.5 | 1073.7 | 1074.9 | 1073.7 | 1076.5 | 1079.3 | 1080.2 | 1084.1 | 1092.7 | 1101.1 |
| 30° | 1048.9 | 1048.1 | 1046.5 | 1046.5 | 1046.5 | 1048.1 | 1048.9 | 1046.5 | 1050.6 | 1054.6 | 1061.1 |
| 32.5° | 1023.8 | 1023.7 | 1024.6 | 1024.6 | 1024.6 | 1023.7 | 1023.8 | 1020.2 | 1021.6 | 1023.0 | 1026.2 |
| 35° | 988.6 | 990.9 | 992.5 | 990.1 | 992.5 | 990.9 | 988.6 | 985.3 | 982.9 | 977.2 | 978.9 |
| 37.5° | 956.5 | 959.0 | 961.3 | 964.0 | 961.3 | 959.0 | 956.5 | 950.0 | 944.1 | 939.2 | 933.3 |
| 40° | 932.1 | 937.8 | 939.3 | 943.3 | 939.3 | 937.8 | 932.1 | 924.8 | 918.4 | 912.7 | 906.3 |
| 42.5° | 908.9 | 915.1 | 919.3 | 920.1 | 919.3 | 915.1 | 908.9 | 901.6 | 891.9 | 884.9 | 876.0 |
| 45° | 873.2 | 879.7 | 885.3 | 885.3 | 885.3 | 879.7 | 873.2 | 861.1 | 850.6 | 840.1 | 831.3 |
| 47.5° | 836.3 | 845.7 | 851.3 | 852.7 | 851.3 | 845.7 | 836.3 | 823.8 | 809.2 | 796.3 | 783.6 |
| 50° | 811.1 | 822.4 | 828.1 | 832.1 | 828.1 | 822.4 | 811.1 | 797.4 | 782.1 | 766.0 | 750.6 |
| 52.5° | 786.6 | 797.9 | 805.5 | 807.6 | 805.5 | 797.9 | 786.6 | 769.7 | 751.1 | 733.8 | 720.3 |
| 55° | 744.2 | 760.3 | 769.2 | 772.4 | 769.2 | 760.3 | 744.2 | 725.7 | 707.9 | 686.1 | 666.8 |
| 57.5° | 704.2 | 719.0 | 729.3 | 731.7 | 729.3 | 719.0 | 704.2 | 682.5 | 659.5 | 636.3 | 615.7 |
| 60° | 673.3 | 689.3 | 702.3 | 704.7 | 702.3 | 689.3 | 673.3 | 651.5 | 627.3 | 604.7 | 579.0 |
| 62.5° | 641.7 | 658.4 | 670.0 | 676.3 | 670.0 | 658.4 | 641.7 | 618.5 | 592.5 | 567.3 | 541.5 |
| 65° | 586.9 | 603.9 | 615.2 | 617.6 | 615.2 | 603.9 | 586.9 | 564.4 | 536.9 | 510.4 | 488.6 |
| 67.5° | 527.4 | 544.2 | 551.7 | 556.3 | 551.7 | 544.2 | 527.4 | 506.0 | 479.0 | 451.4 | 426.7 |
| 70° | 485.3 | 499.1 | 507.2 | 511.2 | 507.2 | 499.1 | 485.3 | 462.8 | 440.2 | 412.0 | 385.4 |
| 72.5° | 437.7 | 452.0 | 461.4 | 462.1 | 461.4 | 452.0 | 437.7 | 418.3 | 394.5 | 368.2 | 344.8 |
| 75° | 364.5 | 377.4 | 382.1 | 382.1 | 382.1 | 377.4 | 364.5 | 345.9 | 326.6 | 305.6 | 282.2 |
| 77.5° | 288.5 | 295.1 | 301.2 | 302.6 | 301.2 | 295.1 | 288.5 | 275.1 | 259.1 | 238.2 | 220.6 |
| 80° | 239.4 | 243.5 | 248.3 | 248.3 | 248.3 | 243.5 | 239.4 | 227.4 | 212.1 | 194.3 | 180.6 |
| 82.5° | 189.1 | 192.6 | 197.4 | 196.7 | 197.4 | 192.6 | 189.1 | 179.7 | 166.9 | 155.0 | 142.6 |
| 85° | 114.5 | 121.8 | 121.0 | 119.4 | 121.0 | 121.8 | 114.5 | 116.1 | 104.0 | 95.9 | 84.6 |
| 87.5° | 54.0 | 54.7 | 56.6 | 57.9 | 56.6 | 54.7 | 54.0 | 52.0 | 46.2 | 42.8 | 40.1 |
| 90° | 12.1 | 12.6 | 12.1 | 12.1 | 12.1 | 12.6 | 12.1 | 11.5 | 11.5 | 10.9 | 10.4 |
| 92.5° | 49.4 | 46.4 | 44.3 | 44.3 | 44.3 | 46.4 | 49.4 | 56.2 | 67.8 | 85.1 | 113.1 |
| 95° | 176.3 | 158.4 | 148.0 | 140.6 | 148.0 | 158.4 | 176.3 | 204.5 | 260.3 | 337.6 | 426.9 |
| 97.5° | 439.7 | 405.0 | 387.7 | 375.7 | 387.7 | 405.0 | 439.7 | 481.0 | 541.2 | 597.5 | 630.7 |
| 100° | 585.3 | 550.2 | 532.9 | 528.3 | 532.9 | 550.2 | 585.3 | 635.4 | 678.0 | 706.3 | 694.8 |
| 102.5° | 708.3 | 682.9 | 664.7 | 661.0 | 664.7 | 682.9 | 708.3 | 739.1 | 756.9 | 748.7 | 691.6 |
| 105° | 826.7 | 822.0 | 814.0 | 810.5 | 814.0 | 822.0 | 826.7 | 825.6 | 801.9 | 744.9 | 645.2 |
| 107.5° | 845.7 | 858.8 | 864.5 | 866.1 | 864.5 | 858.8 | 845.7 | 817.2 | 765.9 | 685.5 | 579.5 |
| 110° | 827.3 | 851.4 | 861.8 | 867.0 | 861.8 | 851.4 | 827.3 | 786.4 | 723.0 | 639.4 | 539.8 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 787.6 | 816.9 | 831.4 | 839.8 | 831.4 | 816.9 | 787.6 | 741.1 | 677.8 | 598.8 | 510.8 |
| 115° | 720.6 | 755.3 | 773.7 | 778.3 | 773.7 | 755.3 | 720.6 | 675.2 | 619.9 | 552.5 | 481.6 |
| 117.5° | 664.7 | 693.7 | 712.4 | 716.0 | 712.4 | 693.7 | 664.7 | 625.8 | 579.0 | 525.9 | 467.3 |
| 120° | 634.3 | 659.6 | 674.6 | 681.0 | 674.6 | 659.6 | 634.3 | 601.4 | 560.5 | 514.4 | 460.9 |
| 122.5° | 612.6 | 634.3 | 646.9 | 653.3 | 646.9 | 634.3 | 612.6 | 584.8 | 549.0 | 507.1 | 455.3 |
| 125° | 589.9 | 606.6 | 617.5 | 621.0 | 617.5 | 606.6 | 589.9 | 566.8 | 535.1 | 495.4 | 445.9 |
| 127.5° | 574.6 | 589.5 | 598.6 | 602.1 | 598.6 | 589.5 | 574.6 | 551.4 | 521.4 | 481.7 | 434.3 |
| 130° | 564.0 | 578.3 | 587.6 | 591.1 | 587.6 | 578.3 | 564.0 | 540.4 | 509.8 | 470.7 | 425.2 |
| 132.5° | 550.2 | 566.4 | 575.1 | 578.7 | 575.1 | 566.4 | 550.2 | 526.9 | 496.4 | 458.2 | 415.5 |
| 135° | 526.5 | 542.7 | 551.9 | 555.3 | 551.9 | 542.7 | 526.5 | 503.5 | 474.6 | 439.6 | 402.1 |
| 137.5° | 498.9 | 514.8 | 522.4 | 526.5 | 522.4 | 514.8 | 498.9 | 477.4 | 451.3 | 421.7 | 390.0 |
| 140° | 480.5 | 493.1 | 501.2 | 505.8 | 501.2 | 493.1 | 480.5 | 460.3 | 436.1 | 410.2 | 383.0 |
| 142.5° | 461.5 | 473.3 | 480.5 | 483.6 | 480.5 | 473.3 | 461.5 | 443.7 | 422.7 | 400.5 | 376.7 |
| 145° | 434.9 | 444.7 | 450.5 | 453.3 | 450.5 | 444.7 | 434.9 | 420.5 | 404.5 | 387.1 | 367.5 |
| 147.5° | 412.7 | 421.1 | 425.5 | 426.6 | 425.5 | 421.1 | 412.7 | 402.1 | 389.4 | 375.6 | 360.0 |
| 150° | 399.8 | 407.3 | 410.7 | 411.3 | 410.7 | 407.3 | 399.8 | 390.6 | 380.2 | 368.7 | 355.5 |
| 152.5° | 388.7 | 394.9 | 396.9 | 397.5 | 396.9 | 394.9 | 388.7 | 380.9 | 372.3 | 361.7 | 350.3 |
| 155° | 373.3 | 377.9 | 379.6 | 379.6 | 379.6 | 377.9 | 373.3 | 367.5 | 360.6 | 351.9 | 342.7 |
| 157.5° | 359.5 | 362.9 | 364.0 | 364.0 | 364.0 | 362.9 | 359.5 | 355.1 | 349.5 | 342.3 | 334.6 |
| 160° | 350.2 | 353.8 | 354.3 | 354.3 | 354.3 | 353.8 | 350.2 | 346.8 | 342.1 | 335.9 | 329.5 |
| 162.5° | 341.5 | 345.0 | 345.6 | 345.1 | 345.6 | 345.0 | 341.5 | 339.0 | 334.8 | 329.8 | 324.5 |
| 165° | 330.1 | 332.3 | 331.8 | 331.2 | 331.8 | 332.3 | 330.1 | 327.8 | 324.9 | 320.8 | 317.4 |
| 167.5° | 319.4 | 320.8 | 320.7 | 320.3 | 320.7 | 320.8 | 319.4 | 318.2 | 316.5 | 313.3 | 310.6 |
| 170° | 313.4 | 314.0 | 313.4 | 313.4 | 313.4 | 314.0 | 313.4 | 312.3 | 310.5 | 308.2 | 306.5 |
| 172.5° | 307.4 | 308.0 | 307.4 | 306.5 | 307.4 | 308.0 | 307.4 | 306.7 | 305.5 | 304.1 | 302.8 |
| 175° | 299.5 | 300.7 | 299.5 | 298.4 | 299.5 | 300.7 | 299.5 | 299.5 | 299.5 | 298.4 | 297.8 |
| 177.5° | 295.1 | 295.5 | 294.6 | 293.7 | 294.6 | 295.5 | 295.1 | 295.5 | 295.1 | 295.1 | 294.6 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332681-840
 CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 |
| 2.5° | 1860.6 | 1863.2 | 1873.5 | 1883.2 | 1894.8 | 1903.2 | 1908.9 | 1915.4 | 1928.9 | 1940.0 | 1950.3 |
| 5° | 1743.2 | 1747.3 | 1768.2 | 1782.7 | 1807.7 | 1829.5 | 1846.4 | 1864.9 | 1886.7 | 1916.5 | 1944.0 |
| 7.5° | 1639.8 | 1654.9 | 1677.7 | 1701.2 | 1726.8 | 1755.2 | 1780.1 | 1808.1 | 1845.6 | 1886.5 | 1928.8 |
| 10° | 1581.1 | 1598.1 | 1622.2 | 1649.7 | 1673.9 | 1706.9 | 1737.6 | 1770.6 | 1813.3 | 1863.3 | 1913.3 |
| 12.5° | 1522.5 | 1550.3 | 1568.7 | 1601.2 | 1627.4 | 1654.7 | 1687.3 | 1730.6 | 1780.5 | 1833.0 | 1893.3 |
| 15° | 1448.9 | 1464.2 | 1499.6 | 1517.4 | 1554.5 | 1596.5 | 1628.7 | 1672.2 | 1720.6 | 1790.0 | 1857.6 |
| 17.5° | 1364.1 | 1384.2 | 1412.5 | 1446.3 | 1488.8 | 1521.7 | 1561.8 | 1606.6 | 1667.6 | 1736.5 | 1821.3 |
| 20° | 1308.6 | 1325.5 | 1360.2 | 1397.2 | 1442.5 | 1477.1 | 1519.8 | 1563.4 | 1626.3 | 1699.7 | 1788.4 |
| 22.5° | 1258.9 | 1275.3 | 1311.8 | 1346.4 | 1390.2 | 1432.6 | 1477.2 | 1527.9 | 1588.2 | 1665.5 | 1756.1 |
| 25° | 1182.0 | 1203.8 | 1236.1 | 1271.5 | 1313.4 | 1361.8 | 1410.2 | 1455.3 | 1519.8 | 1601.2 | 1698.1 |
| 27.5° | 1113.8 | 1131.3 | 1154.6 | 1194.9 | 1242.5 | 1289.3 | 1337.3 | 1394.1 | 1456.0 | 1542.1 | 1642.5 |
| 30° | 1070.0 | 1086.1 | 1109.4 | 1146.5 | 1190.9 | 1240.9 | 1290.9 | 1345.6 | 1410.2 | 1495.7 | 1598.1 |
| 32.5° | 1035.1 | 1047.3 | 1068.1 | 1101.4 | 1141.9 | 1194.5 | 1243.7 | 1300.5 | 1368.3 | 1452.5 | 1552.3 |
| 35° | 983.7 | 994.1 | 1002.2 | 1033.7 | 1070.0 | 1118.3 | 1168.3 | 1228.8 | 1294.1 | 1373.9 | 1473.9 |
| 37.5° | 933.2 | 936.8 | 948.6 | 969.2 | 1004.3 | 1048.8 | 1095.3 | 1154.8 | 1221.7 | 1302.8 | 1392.9 |
| 40° | 902.2 | 903.8 | 911.1 | 930.5 | 961.1 | 1003.0 | 1048.1 | 1107.0 | 1170.7 | 1247.3 | 1336.9 |
| 42.5° | 871.9 | 870.9 | 877.6 | 891.1 | 919.8 | 957.9 | 1002.4 | 1056.1 | 1119.7 | 1190.5 | 1274.9 |
| 45° | 824.0 | 824.0 | 822.4 | 833.7 | 857.1 | 894.1 | 931.3 | 982.9 | 1036.1 | 1105.4 | 1176.4 |
| 47.5° | 774.1 | 769.5 | 770.9 | 776.8 | 796.5 | 827.0 | 864.3 | 906.6 | 953.5 | 1012.2 | 1074.5 |
| 50° | 741.7 | 735.4 | 733.0 | 739.3 | 757.1 | 783.8 | 819.2 | 856.3 | 900.6 | 952.2 | 1005.4 |
| 52.5° | 706.3 | 699.8 | 695.5 | 700.0 | 716.5 | 741.1 | 773.4 | 806.0 | 845.8 | 887.8 | 933.8 |
| 55° | 651.5 | 644.2 | 641.8 | 643.4 | 655.5 | 674.9 | 702.3 | 732.2 | 761.9 | 796.6 | 828.9 |
| 57.5° | 597.4 | 585.5 | 583.3 | 582.5 | 590.9 | 608.5 | 631.5 | 657.3 | 679.0 | 700.0 | 734.4 |
| 60° | 562.0 | 547.4 | 542.6 | 541.8 | 548.3 | 562.8 | 583.7 | 609.6 | 624.9 | 639.3 | 669.2 |
| 62.5° | 523.9 | 510.1 | 499.4 | 500.6 | 506.3 | 520.2 | 538.6 | 557.3 | 567.4 | 583.3 | 603.4 |
| 65° | 465.2 | 447.5 | 439.4 | 437.0 | 440.2 | 451.5 | 466.1 | 478.2 | 489.4 | 495.8 | 515.2 |
| 67.5° | 406.6 | 391.7 | 379.8 | 376.9 | 375.4 | 383.1 | 395.1 | 402.3 | 410.4 | 416.1 | 427.5 |
| 70° | 365.3 | 352.3 | 337.8 | 333.0 | 332.1 | 338.6 | 349.9 | 350.7 | 362.0 | 364.5 | 376.6 |
| 72.5° | 324.6 | 308.5 | 298.5 | 293.7 | 290.2 | 296.1 | 303.5 | 305.6 | 311.7 | 316.1 | 322.3 |
| 75° | 261.3 | 249.1 | 239.4 | 232.2 | 229.7 | 233.0 | 233.0 | 237.0 | 241.1 | 243.5 | 250.7 |
| 77.5° | 205.6 | 191.8 | 180.3 | 176.1 | 173.2 | 171.1 | 172.9 | 175.3 | 173.4 | 177.5 | 179.2 |
| 80° | 166.9 | 152.4 | 143.5 | 141.9 | 137.0 | 133.0 | 132.2 | 134.6 | 131.4 | 133.0 | 137.8 |
| 82.5° | 128.9 | 119.5 | 110.0 | 108.4 | 102.2 | 100.2 | 99.4 | 97.9 | 97.9 | 97.6 | 98.6 |
| 85° | 76.5 | 71.0 | 64.5 | 60.5 | 58.1 | 54.0 | 54.0 | 52.4 | 50.8 | 49.2 | 50.0 |
| 87.5° | 32.9 | 31.7 | 28.3 | 26.2 | 24.8 | 21.6 | 21.6 | 19.5 | 18.8 | 17.8 | 16.9 |
| 90° | 9.8 | 10.4 | 9.2 | 8.1 | 8.1 | 4.6 | 4.6 | 4.0 | 3.4 | 1.7 | 0.6 |
| 92.5° | 152.2 | 182.7 | 160.0 | 116.3 | 71.7 | 42.4 | 30.4 | 22.0 | 14.9 | 9.6 | 6.6 |
| 95° | 482.7 | 469.5 | 354.3 | 216.6 | 122.1 | 72.0 | 47.8 | 34.0 | 26.5 | 20.7 | 19.0 |
| 97.5° | 606.5 | 494.5 | 331.6 | 194.7 | 116.7 | 78.2 | 57.9 | 45.9 | 39.1 | 34.1 | 34.1 |
| 100° | 610.7 | 463.1 | 300.7 | 183.2 | 118.1 | 84.1 | 65.6 | 54.7 | 47.8 | 43.8 | 43.8 |
| 102.5° | 576.0 | 424.0 | 279.9 | 180.0 | 122.7 | 91.9 | 74.4 | 63.9 | 57.5 | 53.9 | 53.0 |
| 105° | 513.3 | 377.9 | 262.2 | 181.5 | 133.6 | 106.0 | 89.3 | 79.0 | 72.0 | 69.2 | 67.4 |
| 107.5° | 462.6 | 352.1 | 258.9 | 190.0 | 146.4 | 121.1 | 104.6 | 94.7 | 87.4 | 84.4 | 83.3 |
| 110° | 437.3 | 343.4 | 259.8 | 196.4 | 156.1 | 130.8 | 115.2 | 104.8 | 98.0 | 95.0 | 93.9 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 422.9 | 339.2 | 262.6 | 203.4 | 165.3 | 140.9 | 125.3 | 115.0 | 108.6 | 105.2 | 104.0 |
| 115° | 409.6 | 337.0 | 267.9 | 214.3 | 179.8 | 156.7 | 141.2 | 130.2 | 124.4 | 120.4 | 118.7 |
| 117.5° | 403.6 | 336.4 | 273.5 | 225.5 | 193.7 | 171.8 | 155.6 | 145.4 | 139.1 | 135.5 | 133.9 |
| 120° | 400.4 | 336.4 | 277.7 | 233.3 | 203.4 | 181.5 | 165.3 | 155.5 | 149.2 | 145.2 | 144.0 |
| 122.5° | 396.7 | 336.0 | 281.9 | 240.7 | 212.6 | 190.7 | 175.0 | 164.3 | 158.4 | 154.4 | 153.2 |
| 125° | 390.6 | 335.3 | 288.0 | 251.8 | 225.2 | 204.5 | 188.3 | 177.4 | 171.1 | 167.6 | 165.3 |
| 127.5° | 382.4 | 334.0 | 293.0 | 261.4 | 237.0 | 216.9 | 200.7 | 189.2 | 182.1 | 177.9 | 176.0 |
| 130° | 377.3 | 333.6 | 296.7 | 267.3 | 244.8 | 225.2 | 208.5 | 197.6 | 188.9 | 184.3 | 182.1 |
| 132.5° | 372.7 | 333.1 | 299.9 | 273.3 | 251.3 | 231.7 | 215.9 | 204.1 | 195.9 | 189.9 | 188.0 |
| 135° | 365.8 | 332.3 | 304.8 | 281.1 | 260.3 | 241.4 | 226.4 | 214.3 | 204.5 | 198.7 | 196.4 |
| 137.5° | 359.8 | 332.2 | 307.6 | 286.7 | 267.3 | 249.5 | 235.3 | 222.7 | 213.4 | 207.0 | 204.9 |
| 140° | 356.6 | 331.8 | 309.9 | 290.3 | 272.0 | 254.6 | 240.8 | 228.7 | 218.9 | 212.6 | 210.9 |
| 142.5° | 353.9 | 331.8 | 311.7 | 293.1 | 276.1 | 259.2 | 245.9 | 234.2 | 224.9 | 219.0 | 217.3 |
| 145° | 349.1 | 330.6 | 312.9 | 296.1 | 280.5 | 265.6 | 252.9 | 242.0 | 233.9 | 228.1 | 226.4 |
| 147.5° | 344.9 | 328.6 | 313.4 | 298.7 | 285.2 | 271.1 | 259.7 | 250.5 | 242.3 | 237.2 | 236.6 |
| 150° | 341.6 | 327.2 | 313.4 | 300.1 | 287.5 | 274.8 | 263.9 | 255.2 | 248.3 | 243.7 | 243.1 |
| 152.5° | 337.9 | 324.9 | 312.5 | 301.0 | 289.3 | 278.0 | 268.0 | 260.2 | 253.8 | 249.2 | 249.1 |
| 155° | 332.3 | 321.4 | 311.0 | 301.8 | 292.1 | 282.3 | 273.7 | 267.3 | 261.6 | 258.1 | 257.5 |
| 157.5° | 326.8 | 317.9 | 309.6 | 301.8 | 294.1 | 285.7 | 278.9 | 273.4 | 268.9 | 265.7 | 265.7 |
| 160° | 322.7 | 315.1 | 308.2 | 301.8 | 295.0 | 288.0 | 281.7 | 277.1 | 273.1 | 270.7 | 270.7 |
| 162.5° | 318.9 | 312.4 | 306.8 | 301.8 | 295.9 | 289.4 | 284.5 | 280.3 | 276.7 | 274.9 | 275.4 |
| 165° | 312.9 | 308.2 | 304.2 | 300.7 | 296.1 | 290.9 | 287.5 | 284.6 | 281.7 | 280.5 | 280.5 |
| 167.5° | 307.3 | 304.1 | 301.4 | 299.3 | 296.0 | 292.2 | 289.5 | 287.9 | 285.7 | 285.2 | 285.7 |
| 170° | 303.6 | 301.2 | 299.5 | 298.4 | 295.5 | 292.7 | 290.9 | 289.7 | 288.0 | 287.5 | 288.0 |
| 172.5° | 300.3 | 298.5 | 297.7 | 297.5 | 295.1 | 293.1 | 291.9 | 291.1 | 289.8 | 289.7 | 290.3 |
| 175° | 296.7 | 295.5 | 295.5 | 296.1 | 294.4 | 293.3 | 293.3 | 292.7 | 292.1 | 292.1 | 292.7 |
| 177.5° | 294.2 | 293.7 | 293.7 | 294.6 | 293.7 | 293.3 | 293.3 | 293.3 | 292.8 | 293.3 | 293.7 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 |
| 2.5° | 1959.2 | 1965.7 | 1974.1 | 1988.3 | 1993.5 | 1999.9 | 2008.9 | 2008.3 | 2010.8 | 2020.5 | 2041.2 |
| 5° | 1966.5 | 1991.6 | 2015.7 | 2044.8 | 2075.4 | 2095.6 | 2122.9 | 2139.9 | 2156.9 | 2178.6 | 2215.6 |
| 7.5° | 1969.4 | 2009.1 | 2053.5 | 2104.5 | 2149.7 | 2202.0 | 2242.8 | 2281.2 | 2315.8 | 2361.8 | 2406.0 |
| 10° | 1964.9 | 2018.1 | 2075.4 | 2139.9 | 2208.4 | 2266.4 | 2318.9 | 2378.5 | 2429.3 | 2485.0 | 2535.0 |
| 12.5° | 1956.5 | 2020.7 | 2097.3 | 2169.6 | 2249.7 | 2335.5 | 2400.9 | 2461.1 | 2528.7 | 2592.7 | 2669.8 |
| 15° | 1937.5 | 2025.4 | 2114.9 | 2210.0 | 2317.2 | 2416.4 | 2510.8 | 2589.0 | 2661.6 | 2757.5 | 2858.3 |
| 17.5° | 1913.3 | 2008.1 | 2121.0 | 2236.1 | 2348.2 | 2461.6 | 2578.4 | 2695.9 | 2787.5 | 2906.7 | 2985.6 |
| 20° | 1890.8 | 2000.4 | 2116.5 | 2253.6 | 2365.6 | 2506.8 | 2622.8 | 2736.5 | 2862.4 | 2980.8 | 3075.1 |
| 22.5° | 1859.2 | 1979.1 | 2102.3 | 2238.8 | 2386.3 | 2527.4 | 2661.6 | 2784.9 | 2910.7 | 3039.6 | 3153.9 |
| 25° | 1819.0 | 1927.8 | 2073.8 | 2228.6 | 2375.3 | 2528.5 | 2682.5 | 2837.3 | 2972.7 | 3109.1 | 3215.5 |
| 27.5° | 1750.6 | 1888.0 | 2024.0 | 2183.7 | 2346.8 | 2520.1 | 2684.8 | 2846.8 | 2988.8 | 3100.8 | 3166.7 |
| 30° | 1715.8 | 1835.1 | 1982.7 | 2143.1 | 2319.7 | 2506.0 | 2677.7 | 2836.5 | 2968.8 | 3058.3 | 3084.8 |
| 32.5° | 1664.2 | 1787.4 | 1931.7 | 2098.0 | 2284.8 | 2476.3 | 2655.1 | 2804.9 | 2915.2 | 2962.1 | 2930.0 |
| 35° | 1587.6 | 1698.9 | 1844.8 | 2014.9 | 2209.2 | 2413.2 | 2589.8 | 2716.3 | 2772.8 | 2728.5 | 2618.0 |
| 37.5° | 1495.7 | 1606.0 | 1752.5 | 1919.7 | 2120.7 | 2328.0 | 2487.7 | 2578.8 | 2560.1 | 2449.8 | 2285.2 |
| 40° | 1431.2 | 1534.4 | 1673.9 | 1854.4 | 2050.4 | 2258.5 | 2398.7 | 2447.9 | 2396.3 | 2238.3 | 2063.3 |
| 42.5° | 1359.6 | 1460.2 | 1600.3 | 1774.4 | 1982.1 | 2173.9 | 2296.1 | 2300.2 | 2213.7 | 2024.8 | 1849.2 |
| 45° | 1250.5 | 1346.5 | 1478.7 | 1660.1 | 1852.1 | 2032.7 | 2113.2 | 2073.8 | 1914.1 | 1731.9 | 1555.3 |
| 47.5° | 1143.0 | 1226.2 | 1356.5 | 1528.7 | 1710.9 | 1863.0 | 1903.0 | 1831.9 | 1661.7 | 1484.9 | 1321.2 |
| 50° | 1064.3 | 1148.1 | 1270.7 | 1435.2 | 1610.9 | 1742.4 | 1761.7 | 1667.4 | 1500.5 | 1322.3 | 1194.1 |
| 52.5° | 988.9 | 1072.1 | 1190.1 | 1342.3 | 1503.3 | 1621.7 | 1622.4 | 1513.3 | 1347.0 | 1188.1 | 1068.9 |
| 55° | 878.1 | 953.0 | 1059.4 | 1195.7 | 1339.3 | 1432.0 | 1409.4 | 1296.5 | 1152.2 | 1014.3 | 910.3 |
| 57.5° | 771.3 | 836.6 | 934.6 | 1048.3 | 1174.8 | 1251.2 | 1213.8 | 1105.1 | 976.2 | 859.3 | 780.5 |
| 60° | 702.3 | 764.4 | 848.2 | 955.4 | 1061.9 | 1121.6 | 1086.1 | 987.7 | 869.2 | 774.9 | 706.3 |
| 62.5° | 635.2 | 687.6 | 768.2 | 861.3 | 960.0 | 1004.1 | 972.5 | 875.5 | 773.1 | 687.7 | 632.2 |
| 65° | 540.2 | 583.0 | 647.4 | 727.3 | 799.0 | 837.0 | 810.3 | 720.0 | 641.8 | 580.6 | 536.1 |
| 67.5° | 451.5 | 484.9 | 533.7 | 597.7 | 658.7 | 679.2 | 655.0 | 592.2 | 525.8 | 476.9 | 445.6 |
| 70° | 390.2 | 421.7 | 462.8 | 512.0 | 565.2 | 586.9 | 562.8 | 512.8 | 458.8 | 413.6 | 382.9 |
| 72.5° | 336.7 | 361.0 | 395.8 | 437.8 | 479.4 | 501.2 | 484.7 | 436.7 | 391.0 | 357.5 | 331.3 |
| 75° | 256.4 | 277.4 | 301.5 | 331.3 | 363.7 | 378.2 | 363.7 | 330.5 | 299.1 | 274.2 | 255.6 |
| 77.5° | 186.4 | 197.7 | 216.4 | 238.6 | 258.8 | 269.9 | 257.4 | 235.0 | 215.8 | 198.6 | 189.5 |
| 80° | 141.9 | 150.0 | 162.9 | 180.6 | 194.3 | 204.8 | 196.7 | 178.1 | 162.9 | 151.6 | 147.5 |
| 82.5° | 103.2 | 108.7 | 117.0 | 130.3 | 139.5 | 144.8 | 141.3 | 127.8 | 121.6 | 111.6 | 107.6 |
| 85° | 50.8 | 54.0 | 59.7 | 63.7 | 71.8 | 72.6 | 73.4 | 67.8 | 62.1 | 59.7 | 56.5 |
| 87.5° | 17.8 | 18.8 | 20.8 | 22.8 | 25.4 | 26.8 | 26.2 | 26.4 | 24.0 | 23.2 | 20.8 |
| 90° | 1.7 | 3.4 | 4.0 | 4.6 | 4.6 | 8.1 | 8.1 | 9.2 | 10.4 | 9.8 | 10.4 |
| 92.5° | 9.6 | 14.9 | 22.0 | 30.4 | 42.4 | 71.7 | 116.3 | 160.0 | 182.7 | 152.2 | 113.1 |
| 95° | 20.7 | 26.5 | 34.0 | 47.8 | 72.0 | 122.1 | 216.6 | 354.3 | 469.5 | 482.7 | 426.9 |
| 97.5° | 34.1 | 39.1 | 45.9 | 57.9 | 78.2 | 116.7 | 194.7 | 331.6 | 494.5 | 606.5 | 630.7 |
| 100° | 43.8 | 47.8 | 54.7 | 65.6 | 84.1 | 118.1 | 183.2 | 300.7 | 463.1 | 610.7 | 694.8 |
| 102.5° | 53.9 | 57.5 | 63.9 | 74.4 | 91.9 | 122.7 | 180.0 | 279.9 | 424.0 | 576.0 | 691.6 |
| 105° | 69.2 | 72.0 | 79.0 | 89.3 | 106.0 | 133.6 | 181.5 | 262.2 | 377.9 | 513.3 | 645.2 |
| 107.5° | 84.4 | 87.4 | 94.7 | 104.6 | 121.1 | 146.4 | 190.0 | 258.9 | 352.1 | 462.6 | 579.5 |
| 110° | 95.0 | 98.0 | 104.8 | 115.2 | 130.8 | 156.1 | 196.4 | 259.8 | 343.4 | 437.3 | 539.8 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.2 | 108.6 | 115.0 | 125.3 | 140.9 | 165.3 | 203.4 | 262.6 | 339.2 | 422.9 | 510.8 |
| 115° | 120.4 | 124.4 | 130.2 | 141.2 | 156.7 | 179.8 | 214.3 | 267.9 | 337.0 | 409.6 | 481.6 |
| 117.5° | 135.5 | 139.1 | 145.4 | 155.6 | 171.8 | 193.7 | 225.5 | 273.5 | 336.4 | 403.6 | 467.3 |
| 120° | 145.2 | 149.2 | 155.5 | 165.3 | 181.5 | 203.4 | 233.3 | 277.7 | 336.4 | 400.4 | 460.9 |
| 122.5° | 154.4 | 158.4 | 164.3 | 175.0 | 190.7 | 212.6 | 240.7 | 281.9 | 336.0 | 396.7 | 455.3 |
| 125° | 167.6 | 171.1 | 177.4 | 188.3 | 204.5 | 225.2 | 251.8 | 288.0 | 335.3 | 390.6 | 445.9 |
| 127.5° | 177.9 | 182.1 | 189.2 | 200.7 | 216.9 | 237.0 | 261.4 | 293.0 | 334.0 | 382.4 | 434.3 |
| 130° | 184.3 | 188.9 | 197.6 | 208.5 | 225.2 | 244.8 | 267.3 | 296.7 | 333.6 | 377.3 | 425.2 |
| 132.5° | 189.9 | 195.9 | 204.1 | 215.9 | 231.7 | 251.3 | 273.3 | 299.9 | 333.1 | 372.7 | 415.5 |
| 135° | 198.7 | 204.5 | 214.3 | 226.4 | 241.4 | 260.3 | 281.1 | 304.8 | 332.3 | 365.8 | 402.1 |
| 137.5° | 207.0 | 213.4 | 222.7 | 235.3 | 249.5 | 267.3 | 286.7 | 307.6 | 332.2 | 359.8 | 390.0 |
| 140° | 212.6 | 218.9 | 228.7 | 240.8 | 254.6 | 272.0 | 290.3 | 309.9 | 331.8 | 356.6 | 383.0 |
| 142.5° | 219.0 | 224.9 | 234.2 | 245.9 | 259.2 | 276.1 | 293.1 | 311.7 | 331.8 | 353.9 | 376.7 |
| 145° | 228.1 | 233.9 | 242.0 | 252.9 | 265.6 | 280.5 | 296.1 | 312.9 | 330.6 | 349.1 | 367.5 |
| 147.5° | 237.2 | 242.3 | 250.5 | 259.7 | 271.1 | 285.2 | 298.7 | 313.4 | 328.6 | 344.9 | 360.0 |
| 150° | 243.7 | 248.3 | 255.2 | 263.9 | 274.8 | 287.5 | 300.1 | 313.4 | 327.2 | 341.6 | 355.5 |
| 152.5° | 249.2 | 253.8 | 260.2 | 268.0 | 278.0 | 289.3 | 301.0 | 312.5 | 324.9 | 337.9 | 350.3 |
| 155° | 258.1 | 261.6 | 267.3 | 273.7 | 282.3 | 292.1 | 301.8 | 311.0 | 321.4 | 332.3 | 342.7 |
| 157.5° | 265.7 | 268.9 | 273.4 | 278.9 | 285.7 | 294.1 | 301.8 | 309.6 | 317.9 | 326.8 | 334.6 |
| 160° | 270.7 | 273.1 | 277.1 | 281.7 | 288.0 | 295.0 | 301.8 | 308.2 | 315.1 | 322.7 | 329.5 |
| 162.5° | 274.9 | 276.7 | 280.3 | 284.5 | 289.4 | 295.9 | 301.8 | 306.8 | 312.4 | 318.9 | 324.5 |
| 165° | 280.5 | 281.7 | 284.6 | 287.5 | 290.9 | 296.1 | 300.7 | 304.2 | 308.2 | 312.9 | 317.4 |
| 167.5° | 285.2 | 285.7 | 287.9 | 289.5 | 292.2 | 296.0 | 299.3 | 301.4 | 304.1 | 307.3 | 310.6 |
| 170° | 287.5 | 288.0 | 289.7 | 290.9 | 292.7 | 295.5 | 298.4 | 299.5 | 301.2 | 303.6 | 306.5 |
| 172.5° | 289.7 | 289.8 | 291.1 | 291.9 | 293.1 | 295.1 | 297.5 | 297.7 | 298.5 | 300.3 | 302.8 |
| 175° | 292.1 | 292.1 | 292.7 | 293.3 | 293.3 | 294.4 | 296.1 | 295.5 | 295.5 | 296.7 | 297.8 |
| 177.5° | 293.3 | 292.8 | 293.3 | 293.3 | 293.3 | 293.7 | 294.6 | 293.7 | 293.7 | 294.2 | 294.6 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |



TEST NUMBER: P332681-840
 CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 | 1946.4 |
| 2.5° | 2051.5 | 2052.9 | 2058.6 | 2063.2 | 2064.5 | 2070.8 | 2071.5 |
| 5° | 2231.8 | 2245.5 | 2272.1 | 2274.5 | 2278.6 | 2299.6 | 2283.4 |
| 7.5° | 2443.1 | 2477.9 | 2501.1 | 2521.6 | 2529.0 | 2538.2 | 2536.3 |
| 10° | 2578.5 | 2630.1 | 2655.9 | 2697.0 | 2698.7 | 2709.2 | 2702.7 |
| 12.5° | 2714.6 | 2774.6 | 2821.7 | 2829.2 | 2863.8 | 2869.1 | 2878.1 |
| 15° | 2907.5 | 2971.1 | 3036.5 | 3059.9 | 3107.5 | 3118.8 | 3136.4 |
| 17.5° | 3088.8 | 3153.9 | 3199.7 | 3260.1 | 3279.6 | 3305.8 | 3288.0 |
| 20° | 3188.0 | 3259.0 | 3317.1 | 3364.7 | 3384.8 | 3399.3 | 3397.7 |
| 22.5° | 3248.0 | 3319.6 | 3366.7 | 3402.7 | 3421.5 | 3427.7 | 3427.4 |
| 25° | 3285.6 | 3326.7 | 3341.2 | 3355.0 | 3334.0 | 3326.7 | 3329.9 |
| 27.5° | 3181.2 | 3170.5 | 3132.6 | 3082.9 | 3031.3 | 2990.3 | 2968.1 |
| 30° | 3037.3 | 2974.4 | 2917.2 | 2817.1 | 2765.6 | 2734.9 | 2707.5 |
| 32.5° | 2833.5 | 2733.8 | 2623.6 | 2532.0 | 2473.4 | 2427.9 | 2421.2 |
| 35° | 2484.2 | 2334.2 | 2199.6 | 2087.5 | 2029.4 | 1980.2 | 1968.9 |
| 37.5° | 2112.0 | 1956.2 | 1834.9 | 1736.3 | 1673.9 | 1639.2 | 1606.8 |
| 40° | 1864.9 | 1731.1 | 1611.7 | 1527.9 | 1480.4 | 1455.3 | 1435.2 |
| 42.5° | 1674.7 | 1552.5 | 1433.7 | 1369.9 | 1326.9 | 1311.5 | 1299.7 |
| 45° | 1411.8 | 1298.1 | 1215.9 | 1167.5 | 1142.5 | 1116.7 | 1104.6 |
| 47.5° | 1201.3 | 1108.8 | 1054.6 | 1013.5 | 986.7 | 971.4 | 963.7 |
| 50° | 1082.1 | 1006.2 | 957.9 | 926.5 | 902.2 | 890.1 | 883.7 |
| 52.5° | 976.2 | 914.0 | 873.3 | 848.4 | 831.9 | 823.0 | 820.5 |
| 55° | 840.9 | 793.3 | 767.6 | 745.8 | 733.8 | 725.7 | 722.5 |
| 57.5° | 730.9 | 694.4 | 673.4 | 655.5 | 650.9 | 644.1 | 641.8 |
| 60° | 658.7 | 630.6 | 612.8 | 600.7 | 596.6 | 588.5 | 590.2 |
| 62.5° | 594.9 | 571.8 | 556.6 | 549.8 | 544.4 | 537.7 | 539.9 |
| 65° | 503.1 | 486.1 | 478.2 | 471.7 | 465.2 | 461.2 | 464.4 |
| 67.5° | 422.1 | 410.6 | 399.6 | 395.9 | 392.6 | 392.0 | 388.6 |
| 70° | 369.3 | 359.6 | 349.9 | 347.5 | 347.5 | 344.3 | 343.5 |
| 72.5° | 318.3 | 311.2 | 304.8 | 303.0 | 300.4 | 301.7 | 298.3 |
| 75° | 245.9 | 240.2 | 237.8 | 235.4 | 234.6 | 234.6 | 232.2 |
| 77.5° | 181.8 | 177.5 | 173.7 | 173.7 | 170.8 | 169.7 | 169.4 |
| 80° | 137.8 | 136.2 | 133.0 | 133.0 | 131.4 | 132.2 | 130.6 |
| 82.5° | 103.7 | 101.4 | 100.8 | 99.5 | 97.3 | 97.4 | 95.8 |
| 85° | 55.6 | 53.2 | 52.4 | 50.0 | 48.4 | 50.0 | 48.4 |
| 87.5° | 21.5 | 21.0 | 20.4 | 19.2 | 18.7 | 18.6 | 16.6 |
| 90° | 10.9 | 11.5 | 11.5 | 12.1 | 12.6 | 12.1 | 12.1 |
| 92.5° | 85.1 | 67.8 | 56.2 | 49.4 | 46.4 | 44.3 | 44.3 |
| 95° | 337.6 | 260.3 | 204.5 | 176.3 | 158.4 | 148.0 | 140.6 |
| 97.5° | 597.5 | 541.2 | 481.0 | 439.7 | 405.0 | 387.7 | 375.7 |
| 100° | 706.3 | 678.0 | 635.4 | 585.3 | 550.2 | 532.9 | 528.3 |
| 102.5° | 748.7 | 756.9 | 739.1 | 708.3 | 682.9 | 664.7 | 661.0 |
| 105° | 744.9 | 801.9 | 825.6 | 826.7 | 822.0 | 814.0 | 810.5 |
| 107.5° | 685.5 | 765.9 | 817.2 | 845.7 | 858.8 | 864.5 | 866.1 |
| 110° | 639.4 | 723.0 | 786.4 | 827.3 | 851.4 | 861.8 | 867.0 |



TEST NUMBER: P332681-840

CATALOG NUMBER: SA4XXDIP-C1195D590U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 598.8 | 677.8 | 741.1 | 787.6 | 816.9 | 831.4 | 839.8 |
| 115° | 552.5 | 619.9 | 675.2 | 720.6 | 755.3 | 773.7 | 778.3 |
| 117.5° | 525.9 | 579.0 | 625.8 | 664.7 | 693.7 | 712.4 | 716.0 |
| 120° | 514.4 | 560.5 | 601.4 | 634.3 | 659.6 | 674.6 | 681.0 |
| 122.5° | 507.1 | 549.0 | 584.8 | 612.6 | 634.3 | 646.9 | 653.3 |
| 125° | 495.4 | 535.1 | 566.8 | 589.9 | 606.6 | 617.5 | 621.0 |
| 127.5° | 481.7 | 521.4 | 551.4 | 574.6 | 589.5 | 598.6 | 602.1 |
| 130° | 470.7 | 509.8 | 540.4 | 564.0 | 578.3 | 587.6 | 591.1 |
| 132.5° | 458.2 | 496.4 | 526.9 | 550.2 | 566.4 | 575.1 | 578.7 |
| 135° | 439.6 | 474.6 | 503.5 | 526.5 | 542.7 | 551.9 | 555.3 |
| 137.5° | 421.7 | 451.3 | 477.4 | 498.9 | 514.8 | 522.4 | 526.5 |
| 140° | 410.2 | 436.1 | 460.3 | 480.5 | 493.1 | 501.2 | 505.8 |
| 142.5° | 400.5 | 422.7 | 443.7 | 461.5 | 473.3 | 480.5 | 483.6 |
| 145° | 387.1 | 404.5 | 420.5 | 434.9 | 444.7 | 450.5 | 453.3 |
| 147.5° | 375.6 | 389.4 | 402.1 | 412.7 | 421.1 | 425.5 | 426.6 |
| 150° | 368.7 | 380.2 | 390.6 | 399.8 | 407.3 | 410.7 | 411.3 |
| 152.5° | 361.7 | 372.3 | 380.9 | 388.7 | 394.9 | 396.9 | 397.5 |
| 155° | 351.9 | 360.6 | 367.5 | 373.3 | 377.9 | 379.6 | 379.6 |
| 157.5° | 342.3 | 349.5 | 355.1 | 359.5 | 362.9 | 364.0 | 364.0 |
| 160° | 335.9 | 342.1 | 346.8 | 350.2 | 353.8 | 354.3 | 354.3 |
| 162.5° | 329.8 | 334.8 | 339.0 | 341.5 | 345.0 | 345.6 | 345.1 |
| 165° | 320.8 | 324.9 | 327.8 | 330.1 | 332.3 | 331.8 | 331.2 |
| 167.5° | 313.3 | 316.5 | 318.2 | 319.4 | 320.8 | 320.7 | 320.3 |
| 170° | 308.2 | 310.5 | 312.3 | 313.4 | 314.0 | 313.4 | 313.4 |
| 172.5° | 304.1 | 305.5 | 306.7 | 307.4 | 308.0 | 307.4 | 306.5 |
| 175° | 298.4 | 299.5 | 299.5 | 299.5 | 300.7 | 299.5 | 298.4 |
| 177.5° | 295.1 | 295.1 | 295.5 | 295.1 | 295.5 | 294.6 | 293.7 |
| 180° | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 | 293.3 |

(END OF REPORT)