

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: P332707-840

Luminaire Tested: **SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332707-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9583.6 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

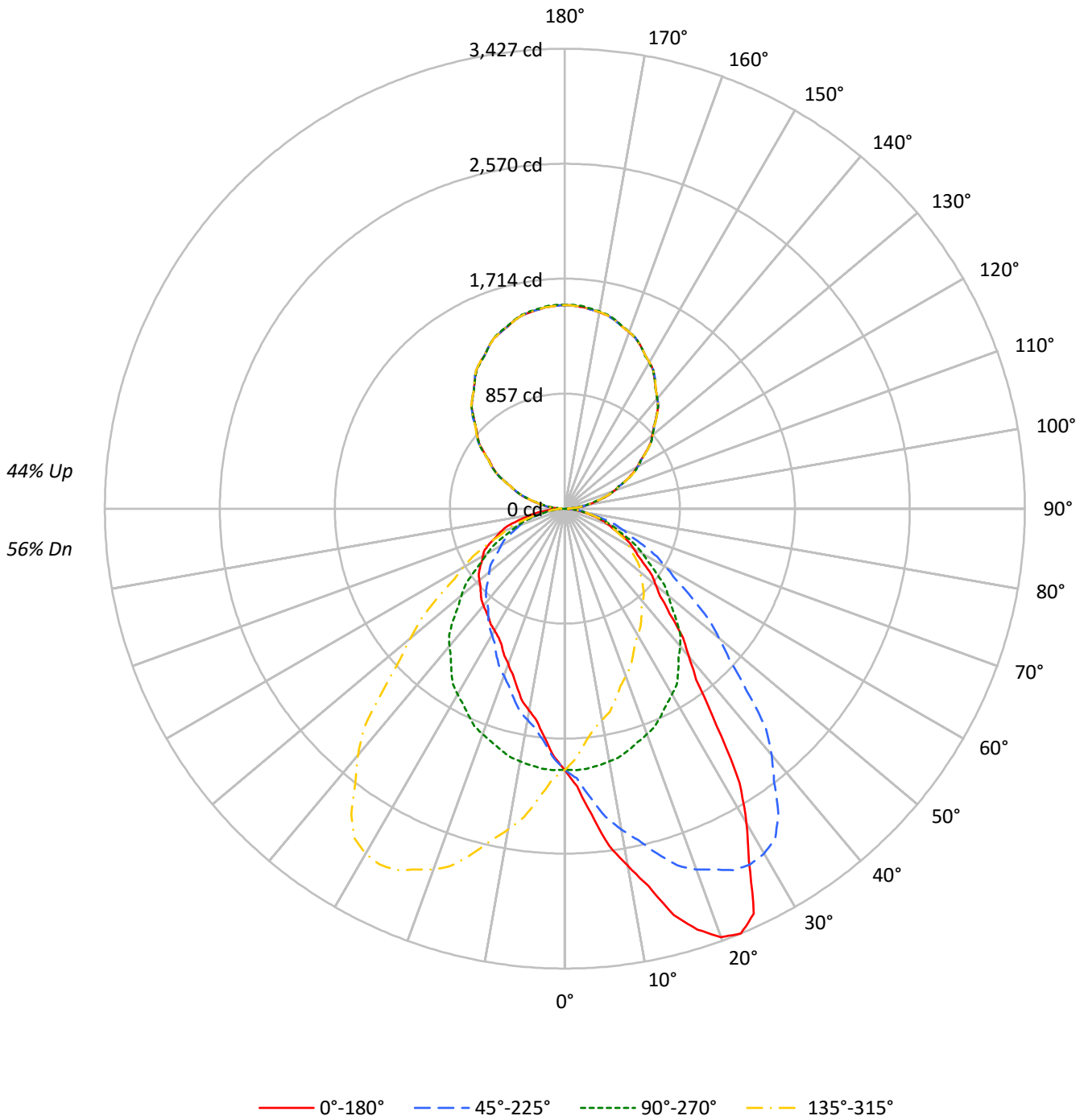
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 | 56 | | | | |
| 1 | 99 | 95 | 91 | 88 | 92 | 89 | 85 | 82 | 76 | 74 | 72 | 65 | 63 | 62 | 55 | 54 | 53 | 48 | | | | |
| 2 | 91 | 83 | 77 | 72 | 84 | 78 | 72 | 68 | 67 | 63 | 60 | 58 | 55 | 52 | 49 | 47 | 45 | 40 | | | | |
| 3 | 83 | 74 | 66 | 60 | 77 | 69 | 62 | 57 | 60 | 55 | 51 | 51 | 47 | 44 | 43 | 41 | 38 | 34 | | | | |
| 4 | 76 | 65 | 57 | 51 | 70 | 61 | 54 | 49 | 53 | 48 | 43 | 46 | 42 | 38 | 39 | 36 | 33 | 30 | | | | |
| 5 | 70 | 58 | 50 | 44 | 65 | 55 | 47 | 42 | 48 | 42 | 38 | 41 | 37 | 33 | 35 | 32 | 29 | 26 | | | | |
| 6 | 64 | 52 | 44 | 38 | 60 | 49 | 42 | 37 | 43 | 37 | 33 | 37 | 33 | 29 | 32 | 28 | 26 | 23 | | | | |
| 7 | 60 | 47 | 39 | 34 | 55 | 45 | 37 | 32 | 39 | 33 | 29 | 34 | 29 | 26 | 29 | 26 | 23 | 20 | | | | |
| 8 | 55 | 43 | 35 | 30 | 52 | 41 | 34 | 29 | 36 | 30 | 26 | 31 | 27 | 23 | 27 | 23 | 21 | 18 | | | | |
| 9 | 52 | 39 | 32 | 27 | 48 | 37 | 30 | 26 | 33 | 27 | 23 | 29 | 24 | 21 | 25 | 21 | 19 | 17 | | | | |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 28 | 23 | 30 | 25 | 21 | 27 | 22 | 19 | 23 | 20 | 17 | 15 | | | | |

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 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 189.6 | 2.0 |
| 10°-20° | 584.5 | 6.1 |
| 20°-30° | 926.8 | 9.7 |
| 30°-40° | 1031.4 | 10.8 |
| 40°-50° | 938.9 | 9.8 |
| 50°-60° | 767.2 | 8.0 |
| 60°-70° | 547.7 | 5.7 |
| 70°-80° | 301.6 | 3.1 |
| 80°-90° | 86.9 | 0.9 |
| 90°-100° | 100.1 | 1.0 |
| 100°-110° | 296.4 | 3.1 |
| 110°-120° | 503.1 | 5.2 |
| 120°-130° | 663.4 | 6.9 |
| 130°-140° | 745.0 | 7.8 |
| 140°-150° | 732.1 | 7.6 |
| 150°-160° | 615.7 | 6.4 |
| 160°-170° | 409.7 | 4.3 |
| 170°-180° | 143.5 | 1.5 |
| 0°-30° | 1700.9 | 17.7 |
| 0°-40° | 2732.3 | 28.5 |
| 0°-60° | 4438.4 | 46.3 |
| 0°-90° | 5374.6 | 56.1 |
| 90°-120° | 899.6 | 9.4 |
| 90°-150° | 3040.1 | 31.7 |
| 90°-180° | 4209.0 | 43.9 |
| 0°-180° | 9583.6 | 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 | 60 |
| 90° | 35 | 4 | 35 | 4 | 35 | 20 |
| 95° | 93 | 70 | 93 | 70 | 93 | 97 |
| 105° | 286 | 273 | 286 | 273 | 286 | 302 |
| 115° | 507 | 512 | 507 | 512 | 507 | 501 |
| 125° | 739 | 745 | 739 | 745 | 739 | 659 |
| 135° | 962 | 961 | 962 | 961 | 962 | 743 |
| 145° | 1169 | 1167 | 1169 | 1167 | 1169 | 731 |
| 155° | 1336 | 1338 | 1336 | 1338 | 1336 | 615 |
| 165° | 1452 | 1456 | 1452 | 1456 | 1452 | 409 |
| 175° | 1508 | 1515 | 1508 | 1515 | 1508 | 143 |
| 180° | 1517 | 1517 | 1517 | 1517 | 1517 | |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

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° | 21.2 | 23.0 | 22.9 | 23.5 | 24.6 | 25.1 | 25.4 | 24.5 | 26.8 | 27.1 | 29.3 |
| 90° | 35.2 | 34.6 | 34.1 | 33.6 | 33.1 | 32.1 | 30.5 | 29.0 | 27.4 | 25.9 | 23.7 |
| 92.5° | 52.1 | 51.8 | 51.5 | 51.2 | 50.8 | 50.2 | 49.3 | 48.4 | 47.4 | 46.5 | 45.0 |
| 95° | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.3 | 91.5 | 90.7 | 90.0 | 89.2 | 87.4 |
| 97.5° | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 144.8 | 143.8 | 142.9 | 142.0 | 141.0 | 138.9 |
| 100° | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.6 | 181.1 | 180.6 | 180.1 | 179.6 | 177.1 |
| 102.5° | 223.2 | 223.0 | 222.8 | 222.6 | 222.3 | 221.9 | 221.2 | 220.4 | 219.6 | 218.9 | 216.8 |
| 105° | 286.3 | 285.5 | 284.7 | 284.0 | 283.2 | 282.4 | 281.6 | 280.8 | 280.0 | 279.2 | 278.2 |
| 107.5° | 347.8 | 347.8 | 347.9 | 347.9 | 348.0 | 347.6 | 346.9 | 346.2 | 345.5 | 344.7 | 344.6 |
| 110° | 391.8 | 391.1 | 390.3 | 389.5 | 388.7 | 388.6 | 389.1 | 389.6 | 390.2 | 390.7 | 390.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 437.0 | 436.8 | 436.6 | 436.5 | 436.3 | 436.3 | 436.4 | 436.5 | 436.6 | 436.7 | 437.2 |
| 115° | 506.9 | 507.2 | 507.4 | 507.7 | 507.9 | 508.2 | 508.4 | 508.7 | 509.0 | 509.2 | 509.7 |
| 117.5° | 573.5 | 574.0 | 574.5 | 575.0 | 575.6 | 576.2 | 577.1 | 578.0 | 579.0 | 579.9 | 580.2 |
| 120° | 624.2 | 623.7 | 623.1 | 622.6 | 622.1 | 622.5 | 623.8 | 625.1 | 626.4 | 627.7 | 628.4 |
| 122.5° | 666.4 | 667.3 | 668.3 | 669.2 | 670.1 | 671.1 | 672.0 | 672.9 | 673.8 | 674.6 | 675.0 |
| 125° | 739.1 | 739.6 | 740.2 | 740.7 | 741.2 | 741.7 | 742.3 | 742.8 | 743.4 | 743.9 | 744.1 |
| 127.5° | 806.5 | 806.9 | 807.3 | 807.8 | 808.2 | 808.6 | 809.2 | 809.7 | 810.2 | 810.7 | 811.1 |
| 130° | 850.6 | 851.6 | 852.7 | 853.7 | 854.7 | 855.6 | 856.1 | 856.6 | 857.2 | 857.7 | 857.7 |
| 132.5° | 897.6 | 898.0 | 898.4 | 898.8 | 899.2 | 899.7 | 900.2 | 900.7 | 901.2 | 901.8 | 902.0 |
| 135° | 962.1 | 962.8 | 963.6 | 964.4 | 965.2 | 965.8 | 966.3 | 966.9 | 967.5 | 968.0 | 968.0 |
| 137.5° | 1029.9 | 1029.8 | 1029.6 | 1029.5 | 1029.3 | 1029.6 | 1030.2 | 1030.9 | 1031.6 | 1032.2 | 1031.8 |
| 140° | 1071.2 | 1071.5 | 1071.7 | 1072.0 | 1072.3 | 1072.5 | 1072.8 | 1073.0 | 1073.3 | 1073.5 | 1073.5 |
| 142.5° | 1112.5 | 1112.6 | 1112.6 | 1112.7 | 1112.7 | 1112.8 | 1112.8 | 1112.9 | 1112.9 | 1113.0 | 1113.2 |
| 145° | 1168.6 | 1169.3 | 1170.1 | 1170.9 | 1171.6 | 1172.3 | 1172.5 | 1172.8 | 1173.0 | 1173.3 | 1173.0 |
| 147.5° | 1225.4 | 1225.6 | 1225.9 | 1226.2 | 1226.4 | 1226.6 | 1226.9 | 1227.1 | 1227.3 | 1227.5 | 1227.7 |
| 150° | 1260.1 | 1260.3 | 1260.6 | 1260.8 | 1261.1 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 |
| 152.5° | 1292.0 | 1292.6 | 1293.3 | 1294.0 | 1294.7 | 1294.7 | 1294.1 | 1293.4 | 1292.8 | 1292.2 | 1292.0 |
| 155° | 1336.4 | 1337.4 | 1338.5 | 1339.5 | 1340.5 | 1340.5 | 1339.5 | 1338.5 | 1337.4 | 1336.4 | 1336.6 |
| 157.5° | 1376.0 | 1376.8 | 1377.8 | 1378.7 | 1379.6 | 1379.6 | 1378.8 | 1378.1 | 1377.3 | 1376.4 | 1376.5 |
| 160° | 1398.6 | 1399.9 | 1401.1 | 1402.4 | 1403.7 | 1404.0 | 1403.2 | 1402.4 | 1401.7 | 1400.9 | 1401.1 |
| 162.5° | 1422.0 | 1423.3 | 1424.6 | 1425.9 | 1427.2 | 1427.1 | 1425.7 | 1424.3 | 1422.9 | 1421.5 | 1421.8 |
| 165° | 1452.5 | 1453.5 | 1454.6 | 1455.6 | 1456.6 | 1456.4 | 1454.8 | 1453.3 | 1451.7 | 1450.2 | 1450.7 |
| 167.5° | 1474.3 | 1475.9 | 1477.5 | 1479.1 | 1480.8 | 1480.8 | 1479.3 | 1477.6 | 1476.1 | 1474.5 | 1474.5 |
| 170° | 1486.5 | 1488.3 | 1490.2 | 1492.0 | 1493.8 | 1494.0 | 1492.4 | 1490.9 | 1489.2 | 1487.7 | 1487.4 |
| 172.5° | 1496.8 | 1498.6 | 1500.5 | 1502.3 | 1504.2 | 1504.2 | 1502.4 | 1500.7 | 1498.8 | 1497.1 | 1497.0 |
| 175° | 1507.6 | 1509.4 | 1511.3 | 1513.1 | 1514.9 | 1514.9 | 1513.1 | 1511.3 | 1509.4 | 1507.6 | 1507.9 |
| 177.5° | 1513.3 | 1514.9 | 1516.6 | 1518.2 | 1519.9 | 1520.0 | 1518.6 | 1517.1 | 1515.7 | 1514.2 | 1514.2 |
| 180° | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

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° | 28.9 | 29.1 | 28.0 | 24.9 | 22.4 | 19.9 | 18.7 | 17.5 | 18.7 | 19.9 | 21.1 |
| 90° | 21.6 | 19.6 | 17.5 | 14.9 | 12.1 | 9.3 | 6.4 | 3.5 | 6.4 | 9.3 | 12.1 |
| 92.5° | 43.5 | 42.1 | 40.6 | 38.3 | 34.9 | 31.7 | 28.4 | 25.1 | 28.4 | 31.7 | 34.9 |
| 95° | 85.5 | 83.7 | 81.9 | 79.8 | 77.5 | 75.1 | 72.7 | 70.4 | 72.7 | 75.1 | 77.5 |
| 97.5° | 136.7 | 134.6 | 132.5 | 130.5 | 128.6 | 126.7 | 124.8 | 123.0 | 124.8 | 126.7 | 128.6 |
| 100° | 174.8 | 172.5 | 170.2 | 168.4 | 167.3 | 166.3 | 165.3 | 164.3 | 165.3 | 166.3 | 167.3 |
| 102.5° | 214.7 | 212.5 | 210.4 | 209.1 | 208.6 | 208.2 | 207.8 | 207.4 | 207.8 | 208.2 | 208.6 |
| 105° | 277.1 | 276.1 | 275.1 | 274.4 | 274.2 | 273.9 | 273.7 | 273.4 | 273.7 | 273.9 | 274.2 |
| 107.5° | 344.4 | 344.3 | 344.1 | 343.9 | 343.6 | 343.3 | 343.0 | 342.5 | 343.0 | 343.3 | 343.6 |
| 110° | 391.2 | 391.5 | 391.7 | 391.6 | 391.1 | 390.5 | 390.0 | 389.5 | 390.0 | 390.5 | 391.1 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 437.7 | 438.1 | 438.6 | 438.8 | 438.7 | 438.6 | 438.5 | 438.3 | 438.5 | 438.6 | 438.7 |
| 115° | 510.3 | 510.8 | 511.3 | 511.5 | 511.5 | 511.5 | 511.5 | 511.5 | 511.5 | 511.5 | 511.5 |
| 117.5° | 580.6 | 580.9 | 581.3 | 581.4 | 581.2 | 581.0 | 580.8 | 580.6 | 580.8 | 581.0 | 581.2 |
| 120° | 629.2 | 630.1 | 630.9 | 630.7 | 629.7 | 628.6 | 627.5 | 626.5 | 627.5 | 628.6 | 629.7 |
| 122.5° | 675.4 | 675.7 | 676.1 | 676.1 | 675.6 | 675.2 | 674.8 | 674.4 | 674.8 | 675.2 | 675.6 |
| 125° | 744.4 | 744.7 | 744.9 | 745.0 | 745.0 | 745.0 | 745.0 | 745.0 | 745.0 | 745.0 | 745.0 |
| 127.5° | 811.5 | 811.9 | 812.4 | 812.2 | 811.4 | 810.6 | 809.9 | 809.1 | 809.9 | 810.6 | 811.4 |
| 130° | 857.7 | 857.7 | 857.7 | 857.3 | 856.5 | 855.7 | 855.0 | 854.1 | 855.0 | 855.7 | 856.5 |
| 132.5° | 902.2 | 902.4 | 902.6 | 902.4 | 901.8 | 901.3 | 900.7 | 900.1 | 900.7 | 901.3 | 901.8 |
| 135° | 968.0 | 968.0 | 968.0 | 967.1 | 965.6 | 964.0 | 962.5 | 960.9 | 962.5 | 964.0 | 965.6 |
| 137.5° | 1031.4 | 1031.0 | 1030.6 | 1030.0 | 1029.3 | 1028.5 | 1027.8 | 1027.0 | 1027.8 | 1028.5 | 1029.3 |
| 140° | 1073.5 | 1073.5 | 1073.5 | 1073.3 | 1072.8 | 1072.3 | 1071.7 | 1071.2 | 1071.7 | 1072.3 | 1072.8 |
| 142.5° | 1113.4 | 1113.6 | 1113.8 | 1113.7 | 1113.1 | 1112.6 | 1112.1 | 1111.6 | 1112.1 | 1112.6 | 1113.1 |
| 145° | 1172.8 | 1172.5 | 1172.3 | 1171.5 | 1170.5 | 1169.5 | 1168.4 | 1167.4 | 1168.4 | 1169.5 | 1170.5 |
| 147.5° | 1227.9 | 1228.1 | 1228.3 | 1227.8 | 1226.5 | 1225.3 | 1224.1 | 1222.7 | 1224.1 | 1225.3 | 1226.5 |
| 150° | 1261.2 | 1261.2 | 1261.2 | 1260.7 | 1259.7 | 1258.7 | 1257.6 | 1256.6 | 1257.6 | 1258.7 | 1259.7 |
| 152.5° | 1291.8 | 1291.6 | 1291.4 | 1291.0 | 1290.3 | 1289.7 | 1289.1 | 1288.5 | 1289.1 | 1289.7 | 1290.3 |
| 155° | 1336.9 | 1337.2 | 1337.4 | 1337.5 | 1337.5 | 1337.5 | 1337.5 | 1337.5 | 1337.5 | 1337.5 | 1337.5 |
| 157.5° | 1376.5 | 1376.6 | 1376.6 | 1377.0 | 1377.5 | 1377.9 | 1378.4 | 1378.8 | 1378.4 | 1377.9 | 1377.5 |
| 160° | 1401.4 | 1401.7 | 1401.9 | 1402.2 | 1402.4 | 1402.7 | 1403.0 | 1403.2 | 1403.0 | 1402.7 | 1402.4 |
| 162.5° | 1422.1 | 1422.3 | 1422.6 | 1423.0 | 1423.7 | 1424.4 | 1425.0 | 1425.7 | 1425.0 | 1424.4 | 1423.7 |
| 165° | 1451.2 | 1451.7 | 1452.2 | 1452.9 | 1453.7 | 1454.4 | 1455.2 | 1456.0 | 1455.2 | 1454.4 | 1453.7 |
| 167.5° | 1474.4 | 1474.4 | 1474.3 | 1474.9 | 1475.9 | 1477.0 | 1478.1 | 1479.3 | 1478.1 | 1477.0 | 1475.9 |
| 170° | 1487.1 | 1486.9 | 1486.6 | 1487.1 | 1488.4 | 1489.8 | 1491.1 | 1492.4 | 1491.1 | 1489.8 | 1488.4 |
| 172.5° | 1497.0 | 1496.9 | 1496.8 | 1497.4 | 1498.4 | 1499.5 | 1500.7 | 1501.8 | 1500.7 | 1499.5 | 1498.4 |
| 175° | 1508.1 | 1508.4 | 1508.6 | 1509.4 | 1510.8 | 1512.1 | 1513.4 | 1514.7 | 1513.4 | 1512.1 | 1510.8 |
| 177.5° | 1514.2 | 1514.2 | 1514.2 | 1514.7 | 1515.8 | 1516.8 | 1517.8 | 1518.9 | 1517.8 | 1516.8 | 1515.8 |
| 180° | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

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° | 23.6 | 24.1 | 27.2 | 28.9 | 31.2 | 34.8 | 36.5 | 43.8 | 46.8 | 50.3 | 56.2 |
| 90° | 14.9 | 17.5 | 19.6 | 21.6 | 23.7 | 25.9 | 27.4 | 29.0 | 30.5 | 32.1 | 33.1 |
| 92.5° | 38.3 | 40.6 | 42.1 | 43.5 | 45.0 | 46.5 | 47.4 | 48.4 | 49.3 | 50.2 | 50.8 |
| 95° | 79.8 | 81.9 | 83.7 | 85.5 | 87.4 | 89.2 | 90.0 | 90.7 | 91.5 | 92.3 | 92.7 |
| 97.5° | 130.5 | 132.5 | 134.6 | 136.7 | 138.9 | 141.0 | 142.0 | 142.9 | 143.8 | 144.8 | 145.2 |
| 100° | 168.4 | 170.2 | 172.5 | 174.8 | 177.1 | 179.6 | 180.1 | 180.6 | 181.1 | 181.6 | 181.9 |
| 102.5° | 209.1 | 210.4 | 212.5 | 214.7 | 216.8 | 218.9 | 219.6 | 220.4 | 221.2 | 221.9 | 222.3 |
| 105° | 274.4 | 275.1 | 276.1 | 277.1 | 278.2 | 279.2 | 280.0 | 280.8 | 281.6 | 282.4 | 283.2 |
| 107.5° | 343.9 | 344.1 | 344.3 | 344.4 | 344.6 | 344.7 | 345.5 | 346.2 | 346.9 | 347.6 | 348.0 |
| 110° | 391.6 | 391.7 | 391.5 | 391.2 | 390.9 | 390.7 | 390.2 | 389.6 | 389.1 | 388.6 | 388.7 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 438.8 | 438.6 | 438.1 | 437.7 | 437.2 | 436.7 | 436.6 | 436.5 | 436.4 | 436.3 | 436.3 |
| 115° | 511.5 | 511.3 | 510.8 | 510.3 | 509.7 | 509.2 | 509.0 | 508.7 | 508.4 | 508.2 | 507.9 |
| 117.5° | 581.4 | 581.3 | 580.9 | 580.6 | 580.2 | 579.9 | 579.0 | 578.0 | 577.1 | 576.2 | 575.6 |
| 120° | 630.7 | 630.9 | 630.1 | 629.2 | 628.4 | 627.7 | 626.4 | 625.1 | 623.8 | 622.5 | 622.1 |
| 122.5° | 676.1 | 676.1 | 675.7 | 675.4 | 675.0 | 674.6 | 673.8 | 672.9 | 672.0 | 671.1 | 670.1 |
| 125° | 745.0 | 744.9 | 744.7 | 744.4 | 744.1 | 743.9 | 743.4 | 742.8 | 742.3 | 741.7 | 741.2 |
| 127.5° | 812.2 | 812.4 | 811.9 | 811.5 | 811.1 | 810.7 | 810.2 | 809.7 | 809.2 | 808.6 | 808.2 |
| 130° | 857.3 | 857.7 | 857.7 | 857.7 | 857.7 | 857.7 | 857.2 | 856.6 | 856.1 | 855.6 | 854.7 |
| 132.5° | 902.4 | 902.6 | 902.4 | 902.2 | 902.0 | 901.8 | 901.2 | 900.7 | 900.2 | 899.7 | 899.2 |
| 135° | 967.1 | 968.0 | 968.0 | 968.0 | 968.0 | 968.0 | 967.5 | 966.9 | 966.3 | 965.8 | 965.2 |
| 137.5° | 1030.0 | 1030.6 | 1031.0 | 1031.4 | 1031.8 | 1032.2 | 1031.6 | 1030.9 | 1030.2 | 1029.6 | 1029.3 |
| 140° | 1073.3 | 1073.5 | 1073.5 | 1073.5 | 1073.5 | 1073.5 | 1073.3 | 1073.0 | 1072.8 | 1072.5 | 1072.3 |
| 142.5° | 1113.7 | 1113.8 | 1113.6 | 1113.4 | 1113.2 | 1113.0 | 1112.9 | 1112.9 | 1112.8 | 1112.8 | 1112.7 |
| 145° | 1171.5 | 1172.3 | 1172.5 | 1172.8 | 1173.0 | 1173.3 | 1173.0 | 1172.8 | 1172.5 | 1172.3 | 1171.6 |
| 147.5° | 1227.8 | 1228.3 | 1228.1 | 1227.9 | 1227.7 | 1227.5 | 1227.3 | 1227.1 | 1226.9 | 1226.6 | 1226.4 |
| 150° | 1260.7 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.1 |
| 152.5° | 1291.0 | 1291.4 | 1291.6 | 1291.8 | 1292.0 | 1292.2 | 1292.8 | 1293.4 | 1294.1 | 1294.7 | 1294.7 |
| 155° | 1337.5 | 1337.4 | 1337.2 | 1336.9 | 1336.6 | 1336.4 | 1337.4 | 1338.5 | 1339.5 | 1340.5 | 1340.5 |
| 157.5° | 1377.0 | 1376.6 | 1376.6 | 1376.5 | 1376.5 | 1376.4 | 1377.3 | 1378.1 | 1378.8 | 1379.6 | 1379.6 |
| 160° | 1402.2 | 1401.9 | 1401.7 | 1401.4 | 1401.1 | 1400.9 | 1401.7 | 1402.4 | 1403.2 | 1404.0 | 1403.7 |
| 162.5° | 1423.0 | 1422.6 | 1422.3 | 1422.1 | 1421.8 | 1421.5 | 1422.9 | 1424.3 | 1425.7 | 1427.1 | 1427.2 |
| 165° | 1452.9 | 1452.2 | 1451.7 | 1451.2 | 1450.7 | 1450.2 | 1451.7 | 1453.3 | 1454.8 | 1456.4 | 1456.6 |
| 167.5° | 1474.9 | 1474.3 | 1474.4 | 1474.4 | 1474.5 | 1474.5 | 1476.1 | 1477.6 | 1479.3 | 1480.8 | 1480.8 |
| 170° | 1487.1 | 1486.6 | 1486.9 | 1487.1 | 1487.4 | 1487.7 | 1489.2 | 1490.9 | 1492.4 | 1494.0 | 1493.8 |
| 172.5° | 1497.4 | 1496.8 | 1496.9 | 1497.0 | 1497.0 | 1497.1 | 1498.8 | 1500.7 | 1502.4 | 1504.2 | 1504.2 |
| 175° | 1509.4 | 1508.6 | 1508.4 | 1508.1 | 1507.9 | 1507.6 | 1509.4 | 1511.3 | 1513.1 | 1514.9 | 1514.9 |
| 177.5° | 1514.7 | 1514.2 | 1514.2 | 1514.2 | 1514.2 | 1514.2 | 1515.7 | 1517.1 | 1518.6 | 1520.0 | 1519.9 |
| 180° | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

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° | 58.4 | 59.1 | 61.1 | 62.5 | 61.1 | 59.1 | 58.4 | 56.2 | 50.3 | 46.8 | 43.8 |
| 90° | 33.6 | 34.1 | 34.6 | 35.2 | 34.6 | 34.1 | 33.6 | 33.1 | 32.1 | 30.5 | 29.0 |
| 92.5° | 51.2 | 51.5 | 51.8 | 52.1 | 51.8 | 51.5 | 51.2 | 50.8 | 50.2 | 49.3 | 48.4 |
| 95° | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.3 | 91.5 | 90.7 |
| 97.5° | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 144.8 | 143.8 | 142.9 |
| 100° | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.6 | 181.1 | 180.6 |
| 102.5° | 222.6 | 222.8 | 223.0 | 223.2 | 223.0 | 222.8 | 222.6 | 222.3 | 221.9 | 221.2 | 220.4 |
| 105° | 284.0 | 284.7 | 285.5 | 286.3 | 285.5 | 284.7 | 284.0 | 283.2 | 282.4 | 281.6 | 280.8 |
| 107.5° | 347.9 | 347.9 | 347.8 | 347.8 | 347.8 | 347.9 | 347.9 | 348.0 | 347.6 | 346.9 | 346.2 |
| 110° | 389.5 | 390.3 | 391.1 | 391.8 | 391.1 | 390.3 | 389.5 | 388.7 | 388.6 | 389.1 | 389.6 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 436.5 | 436.6 | 436.8 | 437.0 | 436.8 | 436.6 | 436.5 | 436.3 | 436.3 | 436.4 | 436.5 |
| 115° | 507.7 | 507.4 | 507.2 | 506.9 | 507.2 | 507.4 | 507.7 | 507.9 | 508.2 | 508.4 | 508.7 |
| 117.5° | 575.0 | 574.5 | 574.0 | 573.5 | 574.0 | 574.5 | 575.0 | 575.6 | 576.2 | 577.1 | 578.0 |
| 120° | 622.6 | 623.1 | 623.7 | 624.2 | 623.7 | 623.1 | 622.6 | 622.1 | 622.5 | 623.8 | 625.1 |
| 122.5° | 669.2 | 668.3 | 667.3 | 666.4 | 667.3 | 668.3 | 669.2 | 670.1 | 671.1 | 672.0 | 672.9 |
| 125° | 740.7 | 740.2 | 739.6 | 739.1 | 739.6 | 740.2 | 740.7 | 741.2 | 741.7 | 742.3 | 742.8 |
| 127.5° | 807.8 | 807.3 | 806.9 | 806.5 | 806.9 | 807.3 | 807.8 | 808.2 | 808.6 | 809.2 | 809.7 |
| 130° | 853.7 | 852.7 | 851.6 | 850.6 | 851.6 | 852.7 | 853.7 | 854.7 | 855.6 | 856.1 | 856.6 |
| 132.5° | 898.8 | 898.4 | 898.0 | 897.6 | 898.0 | 898.4 | 898.8 | 899.2 | 899.7 | 900.2 | 900.7 |
| 135° | 964.4 | 963.6 | 962.8 | 962.1 | 962.8 | 963.6 | 964.4 | 965.2 | 965.8 | 966.3 | 966.9 |
| 137.5° | 1029.5 | 1029.6 | 1029.8 | 1029.9 | 1029.8 | 1029.6 | 1029.5 | 1029.3 | 1029.6 | 1030.2 | 1030.9 |
| 140° | 1072.0 | 1071.7 | 1071.5 | 1071.2 | 1071.5 | 1071.7 | 1072.0 | 1072.3 | 1072.5 | 1072.8 | 1073.0 |
| 142.5° | 1112.7 | 1112.6 | 1112.6 | 1112.5 | 1112.6 | 1112.6 | 1112.7 | 1112.7 | 1112.8 | 1112.8 | 1112.9 |
| 145° | 1170.9 | 1170.1 | 1169.3 | 1168.6 | 1169.3 | 1170.1 | 1170.9 | 1171.6 | 1172.3 | 1172.5 | 1172.8 |
| 147.5° | 1226.2 | 1225.9 | 1225.6 | 1225.4 | 1225.6 | 1225.9 | 1226.2 | 1226.4 | 1226.6 | 1226.9 | 1227.1 |
| 150° | 1260.8 | 1260.6 | 1260.3 | 1260.1 | 1260.3 | 1260.6 | 1260.8 | 1261.1 | 1261.2 | 1261.2 | 1261.2 |
| 152.5° | 1294.0 | 1293.3 | 1292.6 | 1292.0 | 1292.6 | 1293.3 | 1294.0 | 1294.7 | 1294.7 | 1294.1 | 1293.4 |
| 155° | 1339.5 | 1338.5 | 1337.4 | 1336.4 | 1337.4 | 1338.5 | 1339.5 | 1340.5 | 1340.5 | 1339.5 | 1338.5 |
| 157.5° | 1378.7 | 1377.8 | 1376.8 | 1376.0 | 1376.8 | 1377.8 | 1378.7 | 1379.6 | 1379.6 | 1378.8 | 1378.1 |
| 160° | 1402.4 | 1401.1 | 1399.9 | 1398.6 | 1399.9 | 1401.1 | 1402.4 | 1403.7 | 1404.0 | 1403.2 | 1402.4 |
| 162.5° | 1425.9 | 1424.6 | 1423.3 | 1422.0 | 1423.3 | 1424.6 | 1425.9 | 1427.2 | 1427.1 | 1425.7 | 1424.3 |
| 165° | 1455.6 | 1454.6 | 1453.5 | 1452.5 | 1453.5 | 1454.6 | 1455.6 | 1456.6 | 1456.4 | 1454.8 | 1453.3 |
| 167.5° | 1479.1 | 1477.5 | 1475.9 | 1474.3 | 1475.9 | 1477.5 | 1479.1 | 1480.8 | 1480.8 | 1479.3 | 1477.6 |
| 170° | 1492.0 | 1490.2 | 1488.3 | 1486.5 | 1488.3 | 1490.2 | 1492.0 | 1493.8 | 1494.0 | 1492.4 | 1490.9 |
| 172.5° | 1502.3 | 1500.5 | 1498.6 | 1496.8 | 1498.6 | 1500.5 | 1502.3 | 1504.2 | 1504.2 | 1502.4 | 1500.7 |
| 175° | 1513.1 | 1511.3 | 1509.4 | 1507.6 | 1509.4 | 1511.3 | 1513.1 | 1514.9 | 1514.9 | 1513.1 | 1511.3 |
| 177.5° | 1518.2 | 1516.6 | 1514.9 | 1513.3 | 1514.9 | 1516.6 | 1518.2 | 1519.9 | 1520.0 | 1518.6 | 1517.1 |
| 180° | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

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° | 36.5 | 34.8 | 31.2 | 28.9 | 27.2 | 24.1 | 23.6 | 21.1 | 19.9 | 18.7 | 17.5 |
| 90° | 27.4 | 25.9 | 23.7 | 21.6 | 19.6 | 17.5 | 14.9 | 12.1 | 9.3 | 6.4 | 3.5 |
| 92.5° | 47.4 | 46.5 | 45.0 | 43.5 | 42.1 | 40.6 | 38.3 | 34.9 | 31.7 | 28.4 | 25.1 |
| 95° | 90.0 | 89.2 | 87.4 | 85.5 | 83.7 | 81.9 | 79.8 | 77.5 | 75.1 | 72.7 | 70.4 |
| 97.5° | 142.0 | 141.0 | 138.9 | 136.7 | 134.6 | 132.5 | 130.5 | 128.6 | 126.7 | 124.8 | 123.0 |
| 100° | 180.1 | 179.6 | 177.1 | 174.8 | 172.5 | 170.2 | 168.4 | 167.3 | 166.3 | 165.3 | 164.3 |
| 102.5° | 219.6 | 218.9 | 216.8 | 214.7 | 212.5 | 210.4 | 209.1 | 208.6 | 208.2 | 207.8 | 207.4 |
| 105° | 280.0 | 279.2 | 278.2 | 277.1 | 276.1 | 275.1 | 274.4 | 274.2 | 273.9 | 273.7 | 273.4 |
| 107.5° | 345.5 | 344.7 | 344.6 | 344.4 | 344.3 | 344.1 | 343.9 | 343.6 | 343.3 | 343.0 | 342.5 |
| 110° | 390.2 | 390.7 | 390.9 | 391.2 | 391.5 | 391.7 | 391.6 | 391.1 | 390.5 | 390.0 | 389.5 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 436.6 | 436.7 | 437.2 | 437.7 | 438.1 | 438.6 | 438.8 | 438.7 | 438.6 | 438.5 | 438.3 |
| 115° | 509.0 | 509.2 | 509.7 | 510.3 | 510.8 | 511.3 | 511.5 | 511.5 | 511.5 | 511.5 | 511.5 |
| 117.5° | 579.0 | 579.9 | 580.2 | 580.6 | 580.9 | 581.3 | 581.4 | 581.2 | 581.0 | 580.8 | 580.6 |
| 120° | 626.4 | 627.7 | 628.4 | 629.2 | 630.1 | 630.9 | 630.7 | 629.7 | 628.6 | 627.5 | 626.5 |
| 122.5° | 673.8 | 674.6 | 675.0 | 675.4 | 675.7 | 676.1 | 676.1 | 675.6 | 675.2 | 674.8 | 674.4 |
| 125° | 743.4 | 743.9 | 744.1 | 744.4 | 744.7 | 744.9 | 745.0 | 745.0 | 745.0 | 745.0 | 745.0 |
| 127.5° | 810.2 | 810.7 | 811.1 | 811.5 | 811.9 | 812.4 | 812.2 | 811.4 | 810.6 | 809.9 | 809.1 |
| 130° | 857.2 | 857.7 | 857.7 | 857.7 | 857.7 | 857.7 | 857.3 | 856.5 | 855.7 | 855.0 | 854.1 |
| 132.5° | 901.2 | 901.8 | 902.0 | 902.2 | 902.4 | 902.6 | 902.4 | 901.8 | 901.3 | 900.7 | 900.1 |
| 135° | 967.5 | 968.0 | 968.0 | 968.0 | 968.0 | 968.0 | 967.1 | 965.6 | 964.0 | 962.5 | 960.9 |
| 137.5° | 1031.6 | 1032.2 | 1031.8 | 1031.4 | 1031.0 | 1030.6 | 1030.0 | 1029.3 | 1028.5 | 1027.8 | 1027.0 |
| 140° | 1073.3 | 1073.5 | 1073.5 | 1073.5 | 1073.5 | 1073.5 | 1073.3 | 1072.8 | 1072.3 | 1071.7 | 1071.2 |
| 142.5° | 1112.9 | 1113.0 | 1113.2 | 1113.4 | 1113.6 | 1113.8 | 1113.7 | 1113.1 | 1112.6 | 1112.1 | 1111.6 |
| 145° | 1173.0 | 1173.3 | 1173.0 | 1172.8 | 1172.5 | 1172.3 | 1171.5 | 1170.5 | 1169.5 | 1168.4 | 1167.4 |
| 147.5° | 1227.3 | 1227.5 | 1227.7 | 1227.9 | 1228.1 | 1228.3 | 1227.8 | 1226.5 | 1225.3 | 1224.1 | 1222.7 |
| 150° | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1260.7 | 1259.7 | 1258.7 | 1257.6 | 1256.6 |
| 152.5° | 1292.8 | 1292.2 | 1292.0 | 1291.8 | 1291.6 | 1291.4 | 1291.0 | 1290.3 | 1289.7 | 1289.1 | 1288.5 |
| 155° | 1337.4 | 1336.4 | 1336.6 | 1336.9 | 1337.2 | 1337.4 | 1337.5 | 1337.5 | 1337.5 | 1337.5 | 1337.5 |
| 157.5° | 1377.3 | 1376.4 | 1376.5 | 1376.5 | 1376.6 | 1376.6 | 1377.0 | 1377.5 | 1377.9 | 1378.4 | 1378.8 |
| 160° | 1401.7 | 1400.9 | 1401.1 | 1401.4 | 1401.7 | 1401.9 | 1402.2 | 1402.4 | 1402.7 | 1403.0 | 1403.2 |
| 162.5° | 1422.9 | 1421.5 | 1421.8 | 1422.1 | 1422.3 | 1422.6 | 1423.0 | 1423.7 | 1424.4 | 1425.0 | 1425.7 |
| 165° | 1451.7 | 1450.2 | 1450.7 | 1451.2 | 1451.7 | 1452.2 | 1452.9 | 1453.7 | 1454.4 | 1455.2 | 1456.0 |
| 167.5° | 1476.1 | 1474.5 | 1474.5 | 1474.4 | 1474.4 | 1474.3 | 1474.9 | 1475.9 | 1477.0 | 1478.1 | 1479.3 |
| 170° | 1489.2 | 1487.7 | 1487.4 | 1487.1 | 1486.9 | 1486.6 | 1487.1 | 1488.4 | 1489.8 | 1491.1 | 1492.4 |
| 172.5° | 1498.8 | 1497.1 | 1497.0 | 1497.0 | 1496.9 | 1496.8 | 1497.4 | 1498.4 | 1499.5 | 1500.7 | 1501.8 |
| 175° | 1509.4 | 1507.6 | 1507.9 | 1508.1 | 1508.4 | 1508.6 | 1509.4 | 1510.8 | 1512.1 | 1513.4 | 1514.7 |
| 177.5° | 1515.7 | 1514.2 | 1514.2 | 1514.2 | 1514.2 | 1514.2 | 1514.7 | 1515.8 | 1516.8 | 1517.8 | 1518.9 |
| 180° | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

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° | 18.7 | 19.9 | 22.4 | 24.9 | 28.0 | 29.1 | 28.9 | 29.3 | 27.1 | 26.8 | 24.5 |
| 90° | 6.4 | 9.3 | 12.1 | 14.9 | 17.5 | 19.6 | 21.6 | 23.7 | 25.9 | 27.4 | 29.0 |
| 92.5° | 28.4 | 31.7 | 34.9 | 38.3 | 40.6 | 42.1 | 43.5 | 45.0 | 46.5 | 47.4 | 48.4 |
| 95° | 72.7 | 75.1 | 77.5 | 79.8 | 81.9 | 83.7 | 85.5 | 87.4 | 89.2 | 90.0 | 90.7 |
| 97.5° | 124.8 | 126.7 | 128.6 | 130.5 | 132.5 | 134.6 | 136.7 | 138.9 | 141.0 | 142.0 | 142.9 |
| 100° | 165.3 | 166.3 | 167.3 | 168.4 | 170.2 | 172.5 | 174.8 | 177.1 | 179.6 | 180.1 | 180.6 |
| 102.5° | 207.8 | 208.2 | 208.6 | 209.1 | 210.4 | 212.5 | 214.7 | 216.8 | 218.9 | 219.6 | 220.4 |
| 105° | 273.7 | 273.9 | 274.2 | 274.4 | 275.1 | 276.1 | 277.1 | 278.2 | 279.2 | 280.0 | 280.8 |
| 107.5° | 343.0 | 343.3 | 343.6 | 343.9 | 344.1 | 344.3 | 344.4 | 344.6 | 344.7 | 345.5 | 346.2 |
| 110° | 390.0 | 390.5 | 391.1 | 391.6 | 391.7 | 391.5 | 391.2 | 390.9 | 390.7 | 390.2 | 389.6 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 438.5 | 438.6 | 438.7 | 438.8 | 438.6 | 438.1 | 437.7 | 437.2 | 436.7 | 436.6 | 436.5 |
| 115° | 511.5 | 511.5 | 511.5 | 511.5 | 511.3 | 510.8 | 510.3 | 509.7 | 509.2 | 509.0 | 508.7 |
| 117.5° | 580.8 | 581.0 | 581.2 | 581.4 | 581.3 | 580.9 | 580.6 | 580.2 | 579.9 | 579.0 | 578.0 |
| 120° | 627.5 | 628.6 | 629.7 | 630.7 | 630.9 | 630.1 | 629.2 | 628.4 | 627.7 | 626.4 | 625.1 |
| 122.5° | 674.8 | 675.2 | 675.6 | 676.1 | 676.1 | 675.7 | 675.4 | 675.0 | 674.6 | 673.8 | 672.9 |
| 125° | 745.0 | 745.0 | 745.0 | 745.0 | 744.9 | 744.7 | 744.4 | 744.1 | 743.9 | 743.4 | 742.8 |
| 127.5° | 809.9 | 810.6 | 811.4 | 812.2 | 812.4 | 811.9 | 811.5 | 811.1 | 810.7 | 810.2 | 809.7 |
| 130° | 855.0 | 855.7 | 856.5 | 857.3 | 857.7 | 857.7 | 857.7 | 857.7 | 857.7 | 857.2 | 856.6 |
| 132.5° | 900.7 | 901.3 | 901.8 | 902.4 | 902.6 | 902.4 | 902.2 | 902.0 | 901.8 | 901.2 | 900.7 |
| 135° | 962.5 | 964.0 | 965.6 | 967.1 | 968.0 | 968.0 | 968.0 | 968.0 | 968.0 | 967.5 | 966.9 |
| 137.5° | 1027.8 | 1028.5 | 1029.3 | 1030.0 | 1030.6 | 1031.0 | 1031.4 | 1031.8 | 1032.2 | 1031.6 | 1030.9 |
| 140° | 1071.7 | 1072.3 | 1072.8 | 1073.3 | 1073.5 | 1073.5 | 1073.5 | 1073.5 | 1073.5 | 1073.3 | 1073.0 |
| 142.5° | 1112.1 | 1112.6 | 1113.1 | 1113.7 | 1113.8 | 1113.6 | 1113.4 | 1113.2 | 1113.0 | 1112.9 | 1112.9 |
| 145° | 1168.4 | 1169.5 | 1170.5 | 1171.5 | 1172.3 | 1172.5 | 1172.8 | 1173.0 | 1173.3 | 1173.0 | 1172.8 |
| 147.5° | 1224.1 | 1225.3 | 1226.5 | 1227.8 | 1228.3 | 1228.1 | 1227.9 | 1227.7 | 1227.5 | 1227.3 | 1227.1 |
| 150° | 1257.6 | 1258.7 | 1259.7 | 1260.7 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 | 1261.2 |
| 152.5° | 1289.1 | 1289.7 | 1290.3 | 1291.0 | 1291.4 | 1291.6 | 1291.8 | 1292.0 | 1292.2 | 1292.8 | 1293.4 |
| 155° | 1337.5 | 1337.5 | 1337.5 | 1337.5 | 1337.4 | 1337.2 | 1336.9 | 1336.6 | 1336.4 | 1337.4 | 1338.5 |
| 157.5° | 1378.4 | 1377.9 | 1377.5 | 1377.0 | 1376.6 | 1376.6 | 1376.5 | 1376.5 | 1376.4 | 1377.3 | 1378.1 |
| 160° | 1403.0 | 1402.7 | 1402.4 | 1402.2 | 1401.9 | 1401.7 | 1401.4 | 1401.1 | 1400.9 | 1401.7 | 1402.4 |
| 162.5° | 1425.0 | 1424.4 | 1423.7 | 1423.0 | 1422.6 | 1422.3 | 1422.1 | 1421.8 | 1421.5 | 1422.9 | 1424.3 |
| 165° | 1455.2 | 1454.4 | 1453.7 | 1452.9 | 1452.2 | 1451.7 | 1451.2 | 1450.7 | 1450.2 | 1451.7 | 1453.3 |
| 167.5° | 1478.1 | 1477.0 | 1475.9 | 1474.9 | 1474.3 | 1474.4 | 1474.4 | 1474.5 | 1474.5 | 1476.1 | 1477.6 |
| 170° | 1491.1 | 1489.8 | 1488.4 | 1487.1 | 1486.6 | 1486.9 | 1487.1 | 1487.4 | 1487.7 | 1489.2 | 1490.9 |
| 172.5° | 1500.7 | 1499.5 | 1498.4 | 1497.4 | 1496.8 | 1496.9 | 1497.0 | 1497.0 | 1497.1 | 1498.8 | 1500.7 |
| 175° | 1513.4 | 1512.1 | 1510.8 | 1509.4 | 1508.6 | 1508.4 | 1508.1 | 1507.9 | 1507.6 | 1509.4 | 1511.3 |
| 177.5° | 1517.8 | 1516.8 | 1515.8 | 1514.7 | 1514.2 | 1514.2 | 1514.2 | 1514.2 | 1514.2 | 1515.7 | 1517.1 |
| 180° | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

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° | 25.4 | 25.1 | 24.6 | 23.5 | 22.9 | 23.0 | 21.2 |
| 90° | 30.5 | 32.1 | 33.1 | 33.6 | 34.1 | 34.6 | 35.2 |
| 92.5° | 49.3 | 50.2 | 50.8 | 51.2 | 51.5 | 51.8 | 52.1 |
| 95° | 91.5 | 92.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 97.5° | 143.8 | 144.8 | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 |
| 100° | 181.1 | 181.6 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 |
| 102.5° | 221.2 | 221.9 | 222.3 | 222.6 | 222.8 | 223.0 | 223.2 |
| 105° | 281.6 | 282.4 | 283.2 | 284.0 | 284.7 | 285.5 | 286.3 |
| 107.5° | 346.9 | 347.6 | 348.0 | 347.9 | 347.9 | 347.8 | 347.8 |
| 110° | 389.1 | 388.6 | 388.7 | 389.5 | 390.3 | 391.1 | 391.8 |



TEST NUMBER: P332707-840

CATALOG NUMBER: SA4XXDIP-C1195D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 436.4 | 436.3 | 436.3 | 436.5 | 436.6 | 436.8 | 437.0 |
| 115° | 508.4 | 508.2 | 507.9 | 507.7 | 507.4 | 507.2 | 506.9 |
| 117.5° | 577.1 | 576.2 | 575.6 | 575.0 | 574.5 | 574.0 | 573.5 |
| 120° | 623.8 | 622.5 | 622.1 | 622.6 | 623.1 | 623.7 | 624.2 |
| 122.5° | 672.0 | 671.1 | 670.1 | 669.2 | 668.3 | 667.3 | 666.4 |
| 125° | 742.3 | 741.7 | 741.2 | 740.7 | 740.2 | 739.6 | 739.1 |
| 127.5° | 809.2 | 808.6 | 808.2 | 807.8 | 807.3 | 806.9 | 806.5 |
| 130° | 856.1 | 855.6 | 854.7 | 853.7 | 852.7 | 851.6 | 850.6 |
| 132.5° | 900.2 | 899.7 | 899.2 | 898.8 | 898.4 | 898.0 | 897.6 |
| 135° | 966.3 | 965.8 | 965.2 | 964.4 | 963.6 | 962.8 | 962.1 |
| 137.5° | 1030.2 | 1029.6 | 1029.3 | 1029.5 | 1029.6 | 1029.8 | 1029.9 |
| 140° | 1072.8 | 1072.5 | 1072.3 | 1072.0 | 1071.7 | 1071.5 | 1071.2 |
| 142.5° | 1112.8 | 1112.8 | 1112.7 | 1112.7 | 1112.6 | 1112.6 | 1112.5 |
| 145° | 1172.5 | 1172.3 | 1171.6 | 1170.9 | 1170.1 | 1169.3 | 1168.6 |
| 147.5° | 1226.9 | 1226.6 | 1226.4 | 1226.2 | 1225.9 | 1225.6 | 1225.4 |
| 150° | 1261.2 | 1261.2 | 1261.1 | 1260.8 | 1260.6 | 1260.3 | 1260.1 |
| 152.5° | 1294.1 | 1294.7 | 1294.7 | 1294.0 | 1293.3 | 1292.6 | 1292.0 |
| 155° | 1339.5 | 1340.5 | 1340.5 | 1339.5 | 1338.5 | 1337.4 | 1336.4 |
| 157.5° | 1378.8 | 1379.6 | 1379.6 | 1378.7 | 1377.8 | 1376.8 | 1376.0 |
| 160° | 1403.2 | 1404.0 | 1403.7 | 1402.4 | 1401.1 | 1399.9 | 1398.6 |
| 162.5° | 1425.7 | 1427.1 | 1427.2 | 1425.9 | 1424.6 | 1423.3 | 1422.0 |
| 165° | 1454.8 | 1456.4 | 1456.6 | 1455.6 | 1454.6 | 1453.5 | 1452.5 |
| 167.5° | 1479.3 | 1480.8 | 1480.8 | 1479.1 | 1477.5 | 1475.9 | 1474.3 |
| 170° | 1492.4 | 1494.0 | 1493.8 | 1492.0 | 1490.2 | 1488.3 | 1486.5 |
| 172.5° | 1502.4 | 1504.2 | 1504.2 | 1502.3 | 1500.5 | 1498.6 | 1496.8 |
| 175° | 1513.1 | 1514.9 | 1514.9 | 1513.1 | 1511.3 | 1509.4 | 1507.6 |
| 177.5° | 1518.6 | 1520.0 | 1519.9 | 1518.2 | 1516.6 | 1514.9 | 1513.3 |
| 180° | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 | 1517.0 |

(END OF REPORT)