

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: P332635-830

Luminaire Tested: **SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332635-830
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-C1020D590U830-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1020 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

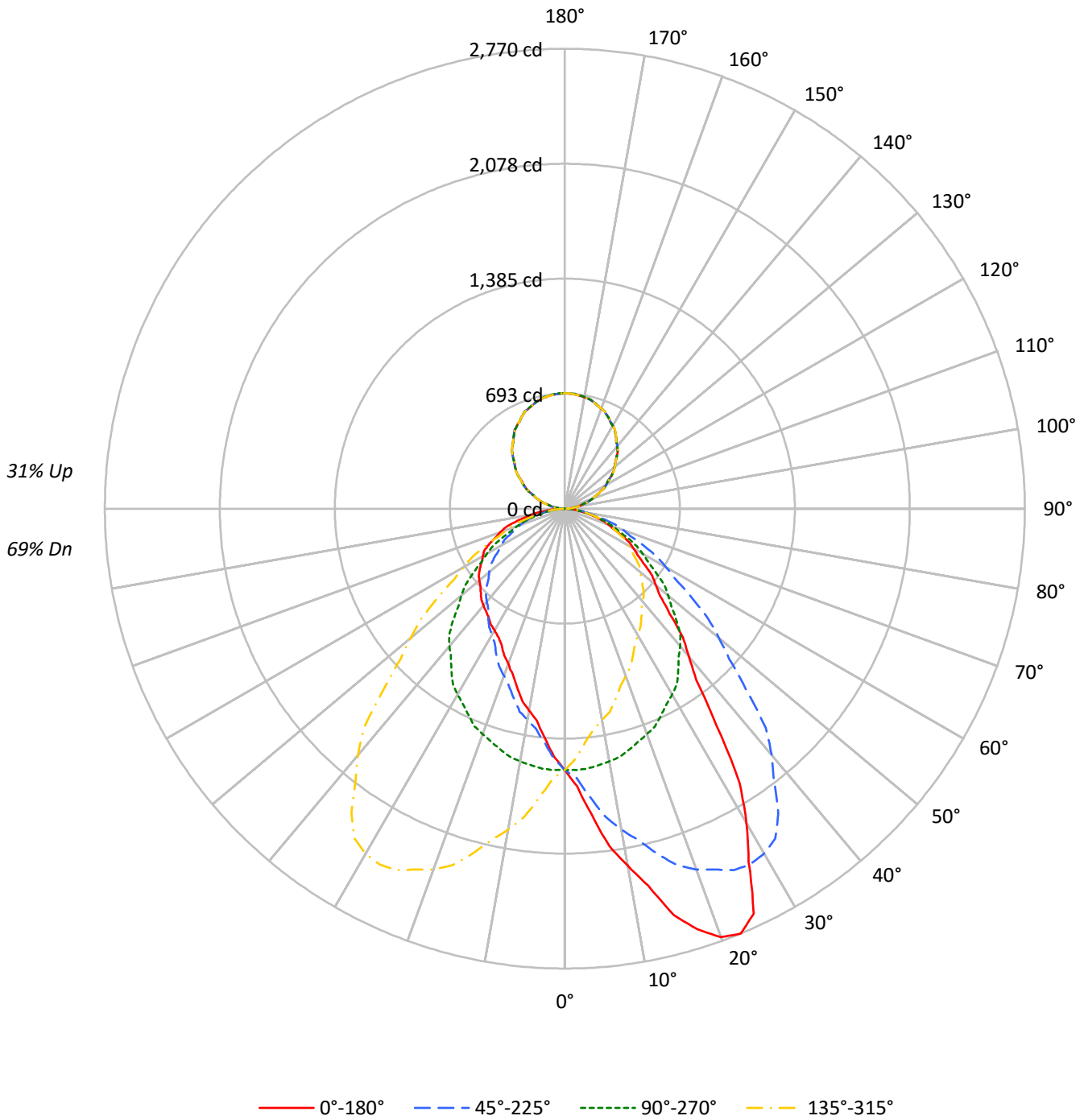
Lumens per Lamp: N/A
Luminaire Lumens: 6270.3 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 48.8
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: P332635-830
CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 83 | 83 | 83 | 74 | 74 | 74 | 69 | | | | |
| 1 | 102 | 98 | 94 | 91 | 97 | 93 | 89 | 86 | 83 | 80 | 78 | 74 | 72 | 70 | 66 | 64 | 63 | 59 | | | | |
| 2 | 94 | 86 | 80 | 75 | 88 | 82 | 76 | 71 | 73 | 69 | 65 | 65 | 62 | 59 | 58 | 56 | 54 | 50 | | | | |
| 3 | 86 | 76 | 69 | 63 | 81 | 72 | 65 | 60 | 65 | 60 | 55 | 58 | 54 | 50 | 52 | 49 | 46 | 43 | | | | |
| 4 | 78 | 68 | 59 | 53 | 74 | 64 | 57 | 51 | 58 | 52 | 47 | 52 | 47 | 44 | 47 | 43 | 40 | 37 | | | | |
| 5 | 72 | 60 | 52 | 46 | 68 | 58 | 50 | 44 | 52 | 46 | 41 | 47 | 42 | 38 | 42 | 38 | 35 | 32 | | | | |
| 6 | 67 | 54 | 46 | 40 | 63 | 52 | 44 | 39 | 47 | 41 | 36 | 43 | 37 | 34 | 38 | 34 | 31 | 28 | | | | |
| 7 | 62 | 49 | 41 | 36 | 58 | 47 | 40 | 34 | 43 | 37 | 32 | 39 | 34 | 30 | 35 | 31 | 28 | 25 | | | | |
| 8 | 58 | 45 | 37 | 32 | 54 | 43 | 36 | 31 | 39 | 33 | 29 | 36 | 30 | 27 | 32 | 28 | 25 | 23 | | | | |
| 9 | 54 | 41 | 34 | 28 | 51 | 39 | 32 | 28 | 36 | 30 | 26 | 33 | 28 | 24 | 30 | 26 | 22 | 20 | | | | |
| 10 | 50 | 38 | 31 | 26 | 48 | 36 | 29 | 25 | 33 | 27 | 23 | 30 | 25 | 22 | 28 | 24 | 20 | 19 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 12698 | 12698 | 12698 | 12698 |
| 5° | 14954 | 12730 | 11237 | 12730 |
| 10° | 17905 | 12675 | 10117 | 12675 |
| 15° | 21184 | 12547 | 9290 | 12547 |
| 20° | 23589 | 12416 | 8553 | 12416 |
| 25° | 23971 | 12223 | 8044 | 12223 |
| 30° | 20396 | 12039 | 7883 | 12039 |
| 35° | 15682 | 11739 | 7885 | 11739 |
| 40° | 12223 | 11385 | 8033 | 11385 |
| 45° | 10192 | 10853 | 8169 | 10853 |
| 50° | 8970 | 10206 | 8445 | 10206 |
| 55° | 8217 | 9429 | 8785 | 9429 |
| 60° | 7700 | 8732 | 9195 | 8732 |
| 65° | 7169 | 7952 | 9534 | 7952 |
| 70° | 6552 | 7183 | 9751 | 7183 |
| 75° | 5855 | 6319 | 9635 | 6319 |
| 80° | 4909 | 5179 | 9331 | 5179 |
| 85° | 3622 | 3742 | 8929 | 3742 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 153.2 | 2.4 |
| 10°-20° | 472.3 | 7.5 |
| 20°-30° | 749.0 | 11.9 |
| 30°-40° | 833.5 | 13.3 |
| 40°-50° | 758.7 | 12.1 |
| 50°-60° | 620.0 | 9.9 |
| 60°-70° | 442.6 | 7.1 |
| 70°-80° | 243.7 | 3.9 |
| 80°-90° | 68.6 | 1.1 |
| 90°-100° | 45.8 | 0.7 |
| 100°-110° | 135.8 | 2.2 |
| 110°-120° | 230.5 | 3.7 |
| 120°-130° | 304.0 | 4.8 |
| 130°-140° | 341.4 | 5.4 |
| 140°-150° | 335.4 | 5.3 |
| 150°-160° | 282.1 | 4.5 |
| 160°-170° | 187.7 | 3.0 |
| 170°-180° | 65.7 | 1.0 |
| 0°-30° | 1374.6 | 21.9 |
| 0°-40° | 2208.1 | 35.2 |
| 0°-60° | 3586.8 | 57.2 |
| 0°-90° | 4341.8 | 69.2 |
| 90°-120° | 412.2 | 6.6 |
| 90°-150° | 1392.9 | 22.2 |
| 90°-180° | 1928.0 | 30.7 |
| 0°-180° | 6270.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1573 | 1573 | 1573 | 1573 | 1573 | |
| 5° | 1845 | 1571 | 1387 | 1571 | 1845 | 188 |
| 15° | 2535 | 1501 | 1112 | 1501 | 2535 | 716 |
| 25° | 2691 | 1372 | 903 | 1372 | 2691 | 1186 |
| 35° | 1591 | 1191 | 800 | 1191 | 1591 | 1010 |
| 45° | 893 | 951 | 716 | 951 | 893 | 703 |
| 55° | 584 | 670 | 624 | 670 | 584 | 527 |
| 65° | 375 | 416 | 499 | 416 | 375 | 372 |
| 75° | 188 | 203 | 309 | 203 | 188 | 200 |
| 85° | 39 | 40 | 96 | 40 | 39 | 48 |
| 90° | 16 | 2 | 16 | 2 | 16 | 10 |
| 95° | 42 | 32 | 42 | 32 | 42 | 44 |
| 105° | 131 | 125 | 131 | 125 | 131 | 138 |
| 115° | 232 | 234 | 232 | 234 | 232 | 230 |
| 125° | 339 | 341 | 339 | 341 | 339 | 302 |
| 135° | 441 | 440 | 441 | 440 | 441 | 340 |
| 145° | 536 | 535 | 536 | 535 | 536 | 335 |
| 155° | 612 | 613 | 612 | 613 | 612 | 282 |
| 165° | 666 | 667 | 666 | 667 | 666 | 187 |
| 175° | 691 | 694 | 691 | 694 | 691 | 66 |
| 180° | 695 | 695 | 695 | 695 | 695 | |



TEST NUMBER: P332635-830
 CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 |
| 2.5° | 1674.0 | 1673.6 | 1668.3 | 1667.3 | 1663.6 | 1659.0 | 1657.9 | 1649.5 | 1632.9 | 1625.0 | 1623.0 |
| 5° | 1845.3 | 1858.3 | 1841.4 | 1838.1 | 1836.2 | 1814.7 | 1803.6 | 1790.5 | 1760.6 | 1742.9 | 1729.3 |
| 7.5° | 2049.7 | 2051.2 | 2043.8 | 2037.8 | 2021.2 | 2002.4 | 1974.3 | 1944.4 | 1908.6 | 1871.5 | 1843.4 |
| 10° | 2184.2 | 2189.3 | 2180.9 | 2179.5 | 2146.4 | 2125.4 | 2083.8 | 2048.6 | 2008.2 | 1963.2 | 1922.2 |
| 12.5° | 2325.9 | 2318.6 | 2314.3 | 2286.4 | 2280.3 | 2242.2 | 2193.8 | 2157.6 | 2095.3 | 2043.5 | 1988.9 |
| 15° | 2534.7 | 2520.4 | 2511.2 | 2472.8 | 2453.9 | 2401.1 | 2349.6 | 2309.9 | 2228.5 | 2150.9 | 2092.3 |
| 17.5° | 2657.1 | 2671.5 | 2650.4 | 2634.6 | 2585.8 | 2548.7 | 2496.1 | 2412.7 | 2349.0 | 2252.7 | 2178.7 |
| 20° | 2745.8 | 2747.0 | 2735.4 | 2719.0 | 2680.6 | 2633.7 | 2576.3 | 2485.1 | 2409.0 | 2313.1 | 2211.5 |
| 22.5° | 2769.8 | 2770.0 | 2765.0 | 2749.8 | 2720.7 | 2682.7 | 2624.9 | 2548.7 | 2456.4 | 2352.2 | 2250.6 |
| 25° | 2691.1 | 2688.4 | 2694.4 | 2711.2 | 2700.2 | 2688.4 | 2655.2 | 2598.5 | 2512.5 | 2402.4 | 2292.9 |
| 27.5° | 2398.6 | 2416.6 | 2449.7 | 2491.4 | 2531.6 | 2562.2 | 2570.8 | 2559.2 | 2505.8 | 2415.3 | 2300.7 |
| 30° | 2188.0 | 2210.2 | 2235.0 | 2276.6 | 2357.4 | 2403.7 | 2454.6 | 2492.9 | 2471.4 | 2399.1 | 2292.3 |
| 32.5° | 1956.6 | 1962.1 | 1998.8 | 2046.3 | 2120.2 | 2209.2 | 2289.8 | 2367.9 | 2393.8 | 2355.9 | 2266.7 |
| 35° | 1591.2 | 1600.2 | 1640.0 | 1687.0 | 1777.5 | 1886.3 | 2007.5 | 2115.7 | 2205.0 | 2240.8 | 2195.2 |
| 37.5° | 1298.4 | 1324.6 | 1352.7 | 1403.2 | 1482.9 | 1580.8 | 1706.8 | 1846.7 | 1979.8 | 2068.9 | 2084.1 |
| 40° | 1159.8 | 1176.1 | 1196.3 | 1234.7 | 1302.5 | 1398.9 | 1507.1 | 1667.5 | 1808.8 | 1936.5 | 1978.2 |
| 42.5° | 1050.4 | 1059.9 | 1072.2 | 1107.0 | 1158.7 | 1254.5 | 1353.3 | 1494.3 | 1636.3 | 1788.9 | 1858.9 |
| 45° | 892.7 | 902.5 | 923.3 | 943.5 | 982.6 | 1049.0 | 1140.9 | 1256.9 | 1399.6 | 1546.9 | 1675.8 |
| 47.5° | 778.7 | 785.0 | 797.4 | 819.1 | 852.2 | 896.1 | 970.8 | 1067.7 | 1200.0 | 1342.9 | 1480.4 |
| 50° | 714.2 | 719.3 | 729.2 | 748.7 | 774.1 | 813.1 | 874.4 | 965.0 | 1068.6 | 1212.6 | 1347.5 |
| 52.5° | 663.1 | 665.2 | 672.3 | 685.6 | 705.8 | 738.7 | 788.9 | 863.8 | 960.2 | 1088.5 | 1222.9 |
| 55° | 583.8 | 586.4 | 593.0 | 602.8 | 620.3 | 641.1 | 679.6 | 735.7 | 819.7 | 931.1 | 1047.7 |
| 57.5° | 518.7 | 520.5 | 525.9 | 529.7 | 544.2 | 561.2 | 590.7 | 630.7 | 694.5 | 788.9 | 893.1 |
| 60° | 476.9 | 475.7 | 482.2 | 485.4 | 495.2 | 509.5 | 532.3 | 570.8 | 626.1 | 702.4 | 798.1 |
| 62.5° | 436.3 | 434.5 | 440.0 | 444.2 | 449.9 | 462.1 | 480.7 | 510.9 | 555.8 | 624.7 | 707.5 |
| 65° | 375.3 | 372.7 | 376.0 | 381.2 | 386.3 | 392.9 | 406.6 | 433.3 | 469.1 | 518.7 | 581.8 |
| 67.5° | 314.1 | 316.8 | 317.4 | 319.9 | 322.9 | 331.8 | 341.2 | 360.1 | 385.3 | 425.0 | 478.5 |
| 70° | 277.6 | 278.2 | 280.9 | 280.9 | 282.8 | 290.6 | 298.4 | 309.5 | 334.2 | 370.8 | 414.4 |
| 72.5° | 241.1 | 243.8 | 242.8 | 244.9 | 246.3 | 251.5 | 257.2 | 267.8 | 288.9 | 316.0 | 352.9 |
| 75° | 187.7 | 189.6 | 189.6 | 190.3 | 192.2 | 194.2 | 198.7 | 206.5 | 221.5 | 241.8 | 267.1 |
| 77.5° | 136.9 | 137.1 | 138.0 | 140.3 | 140.3 | 143.5 | 146.8 | 153.2 | 160.5 | 174.4 | 189.8 |
| 80° | 105.6 | 106.9 | 106.2 | 107.5 | 107.5 | 110.1 | 111.4 | 119.2 | 122.5 | 131.6 | 144.0 |
| 82.5° | 77.4 | 78.7 | 78.6 | 80.4 | 81.4 | 82.0 | 83.8 | 86.9 | 90.2 | 98.2 | 103.3 |
| 85° | 39.1 | 40.4 | 39.1 | 40.4 | 42.3 | 43.0 | 45.0 | 45.6 | 48.3 | 50.1 | 54.8 |
| 87.5° | 14.7 | 16.2 | 16.1 | 16.6 | 17.6 | 18.1 | 18.5 | 17.8 | 19.7 | 20.1 | 22.0 |
| 90° | 16.1 | 15.9 | 15.6 | 15.5 | 15.2 | 14.7 | 13.9 | 13.3 | 12.5 | 11.8 | 10.8 |
| 92.5° | 23.8 | 23.8 | 23.6 | 23.5 | 23.3 | 23.0 | 22.6 | 22.1 | 21.7 | 21.3 | 20.6 |
| 95° | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.3 | 41.9 | 41.6 | 41.2 | 40.8 | 40.1 |
| 97.5° | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.4 | 65.9 | 65.5 | 65.0 | 64.7 | 63.6 |
| 100° | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.2 | 82.9 | 82.8 | 82.5 | 82.3 | 81.2 |
| 102.5° | 102.3 | 102.2 | 102.1 | 102.0 | 101.9 | 101.6 | 101.3 | 100.9 | 100.7 | 100.3 | 99.3 |
| 105° | 131.2 | 130.8 | 130.4 | 130.1 | 129.7 | 129.4 | 129.0 | 128.7 | 128.3 | 127.9 | 127.4 |
| 107.5° | 159.4 | 159.4 | 159.4 | 159.4 | 159.5 | 159.3 | 158.9 | 158.6 | 158.3 | 158.0 | 157.9 |
| 110° | 179.6 | 179.2 | 178.8 | 178.5 | 178.1 | 178.0 | 178.3 | 178.5 | 178.8 | 179.0 | 179.2 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 200.2 | 200.1 | 200.0 | 200.0 | 199.9 | 199.9 | 199.9 | 200.0 | 200.0 | 200.1 | 200.3 |
| 115° | 232.2 | 232.3 | 232.4 | 232.6 | 232.7 | 232.8 | 233.0 | 233.1 | 233.2 | 233.3 | 233.6 |
| 117.5° | 262.8 | 263.0 | 263.3 | 263.4 | 263.7 | 264.0 | 264.5 | 264.9 | 265.2 | 265.7 | 265.8 |
| 120° | 286.0 | 285.8 | 285.5 | 285.3 | 285.0 | 285.2 | 285.8 | 286.4 | 287.0 | 287.6 | 287.9 |
| 122.5° | 305.4 | 305.8 | 306.2 | 306.6 | 307.1 | 307.5 | 307.9 | 308.3 | 308.7 | 309.2 | 309.2 |
| 125° | 338.7 | 338.9 | 339.1 | 339.4 | 339.6 | 339.9 | 340.1 | 340.4 | 340.5 | 340.8 | 340.9 |
| 127.5° | 369.6 | 369.8 | 369.9 | 370.1 | 370.3 | 370.5 | 370.8 | 371.0 | 371.3 | 371.5 | 371.6 |
| 130° | 389.7 | 390.2 | 390.7 | 391.2 | 391.6 | 392.0 | 392.3 | 392.5 | 392.8 | 392.9 | 392.9 |
| 132.5° | 411.2 | 411.4 | 411.6 | 411.8 | 412.0 | 412.3 | 412.5 | 412.7 | 412.9 | 413.2 | 413.3 |
| 135° | 440.8 | 441.2 | 441.5 | 441.9 | 442.2 | 442.5 | 442.8 | 443.0 | 443.3 | 443.5 | 443.5 |
| 137.5° | 471.9 | 471.8 | 471.7 | 471.6 | 471.6 | 471.7 | 472.0 | 472.3 | 472.7 | 473.0 | 472.8 |
| 140° | 490.8 | 491.0 | 491.1 | 491.2 | 491.3 | 491.4 | 491.5 | 491.6 | 491.7 | 491.9 | 491.9 |
| 142.5° | 509.7 | 509.7 | 509.8 | 509.8 | 509.8 | 509.8 | 509.9 | 509.9 | 509.9 | 509.9 | 510.0 |
| 145° | 535.5 | 535.7 | 536.1 | 536.5 | 536.9 | 537.1 | 537.2 | 537.3 | 537.4 | 537.5 | 537.4 |
| 147.5° | 561.5 | 561.6 | 561.7 | 561.8 | 561.9 | 562.0 | 562.1 | 562.2 | 562.3 | 562.4 | 562.5 |
| 150° | 577.4 | 577.5 | 577.6 | 577.7 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 152.5° | 592.0 | 592.3 | 592.6 | 593.0 | 593.2 | 593.2 | 593.0 | 592.7 | 592.4 | 592.1 | 592.0 |
| 155° | 612.3 | 612.7 | 613.2 | 613.7 | 614.3 | 614.3 | 613.7 | 613.2 | 612.7 | 612.3 | 612.5 |
| 157.5° | 630.5 | 630.8 | 631.3 | 631.7 | 632.1 | 632.2 | 631.8 | 631.4 | 631.0 | 630.7 | 630.7 |
| 160° | 640.8 | 641.4 | 642.0 | 642.6 | 643.2 | 643.3 | 642.9 | 642.6 | 642.2 | 641.9 | 642.0 |
| 162.5° | 651.6 | 652.1 | 652.7 | 653.4 | 653.9 | 653.9 | 653.3 | 652.6 | 652.0 | 651.3 | 651.5 |
| 165° | 665.5 | 666.0 | 666.5 | 666.9 | 667.4 | 667.3 | 666.6 | 665.9 | 665.2 | 664.5 | 664.7 |
| 167.5° | 675.5 | 676.3 | 677.0 | 677.8 | 678.4 | 678.5 | 677.8 | 677.0 | 676.4 | 675.6 | 675.6 |
| 170° | 681.1 | 681.9 | 682.8 | 683.6 | 684.5 | 684.5 | 683.8 | 683.1 | 682.4 | 681.6 | 681.6 |
| 172.5° | 685.9 | 686.6 | 687.5 | 688.3 | 689.2 | 689.2 | 688.4 | 687.6 | 686.7 | 686.0 | 685.9 |
| 175° | 690.8 | 691.6 | 692.5 | 693.3 | 694.1 | 694.1 | 693.3 | 692.5 | 691.6 | 690.8 | 690.9 |
| 177.5° | 693.3 | 694.1 | 694.9 | 695.7 | 696.4 | 696.4 | 695.8 | 695.1 | 694.5 | 693.8 | 693.8 |
| 180° | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 |
| 2.5° | 1623.5 | 1616.2 | 1611.0 | 1606.8 | 1595.3 | 1588.6 | 1583.4 | 1576.0 | 1567.7 | 1558.9 | 1547.9 |
| 5° | 1715.6 | 1693.5 | 1677.2 | 1652.5 | 1629.0 | 1609.4 | 1589.2 | 1570.9 | 1548.8 | 1524.8 | 1507.1 |
| 7.5° | 1812.4 | 1779.5 | 1737.3 | 1700.6 | 1659.4 | 1623.6 | 1591.6 | 1558.7 | 1524.6 | 1491.5 | 1461.1 |
| 10° | 1874.0 | 1831.6 | 1784.7 | 1729.3 | 1677.2 | 1630.9 | 1587.9 | 1546.2 | 1505.8 | 1465.4 | 1430.9 |
| 12.5° | 1940.1 | 1887.3 | 1818.1 | 1753.3 | 1694.9 | 1633.0 | 1581.1 | 1530.0 | 1481.3 | 1438.8 | 1398.5 |
| 15° | 2029.0 | 1952.8 | 1872.6 | 1786.0 | 1709.1 | 1636.8 | 1565.8 | 1501.3 | 1446.5 | 1390.4 | 1351.4 |
| 17.5° | 2083.7 | 1989.3 | 1897.7 | 1807.1 | 1714.0 | 1622.9 | 1546.2 | 1471.8 | 1403.3 | 1347.6 | 1298.4 |
| 20° | 2119.6 | 2025.8 | 1911.8 | 1821.2 | 1710.4 | 1616.6 | 1528.0 | 1445.2 | 1373.6 | 1314.3 | 1263.4 |
| 22.5° | 2150.9 | 2042.5 | 1928.4 | 1809.2 | 1698.9 | 1599.4 | 1502.4 | 1419.2 | 1346.0 | 1283.5 | 1234.7 |
| 25° | 2167.8 | 2043.3 | 1919.6 | 1801.0 | 1675.8 | 1557.9 | 1470.0 | 1372.2 | 1294.0 | 1228.2 | 1176.1 |
| 27.5° | 2169.6 | 2036.6 | 1896.5 | 1764.7 | 1635.6 | 1525.8 | 1414.8 | 1327.4 | 1246.2 | 1176.7 | 1126.6 |
| 30° | 2163.9 | 2025.1 | 1874.6 | 1731.9 | 1602.2 | 1483.0 | 1386.6 | 1291.5 | 1208.7 | 1139.6 | 1087.5 |
| 32.5° | 2145.7 | 2001.1 | 1846.4 | 1695.4 | 1561.0 | 1444.4 | 1344.9 | 1254.4 | 1173.7 | 1105.7 | 1051.0 |
| 35° | 2092.9 | 1950.2 | 1785.4 | 1628.3 | 1490.8 | 1372.9 | 1283.0 | 1191.1 | 1110.3 | 1045.8 | 993.1 |
| 37.5° | 2010.4 | 1881.4 | 1713.8 | 1551.3 | 1416.3 | 1297.8 | 1208.7 | 1125.7 | 1052.8 | 987.3 | 933.2 |
| 40° | 1938.4 | 1825.0 | 1657.0 | 1498.6 | 1352.7 | 1240.0 | 1156.6 | 1080.3 | 1008.0 | 946.1 | 894.7 |
| 42.5° | 1855.6 | 1756.8 | 1601.8 | 1434.0 | 1293.3 | 1180.1 | 1098.7 | 1030.3 | 962.1 | 904.9 | 853.5 |
| 45° | 1707.8 | 1642.7 | 1496.7 | 1341.6 | 1195.0 | 1088.2 | 1010.6 | 950.6 | 893.3 | 837.3 | 794.3 |
| 47.5° | 1537.9 | 1505.5 | 1382.7 | 1235.4 | 1096.3 | 990.9 | 923.7 | 868.3 | 818.0 | 770.5 | 732.6 |
| 50° | 1423.7 | 1408.1 | 1301.8 | 1159.8 | 1026.9 | 927.8 | 860.1 | 812.6 | 769.5 | 727.8 | 692.0 |
| 52.5° | 1311.1 | 1310.6 | 1214.8 | 1084.8 | 961.8 | 866.4 | 799.1 | 754.7 | 717.4 | 683.5 | 651.3 |
| 55° | 1139.0 | 1157.3 | 1082.3 | 966.3 | 856.2 | 770.2 | 709.5 | 669.9 | 643.8 | 615.8 | 591.6 |
| 57.5° | 980.9 | 1011.2 | 949.3 | 847.2 | 755.4 | 676.1 | 623.3 | 593.4 | 565.7 | 548.7 | 531.2 |
| 60° | 877.7 | 906.3 | 858.2 | 772.1 | 685.5 | 617.7 | 567.5 | 540.8 | 516.7 | 505.0 | 492.6 |
| 62.5° | 786.0 | 811.5 | 775.8 | 696.1 | 620.9 | 555.6 | 513.3 | 487.7 | 471.4 | 458.5 | 450.3 |
| 65° | 654.9 | 676.4 | 645.7 | 587.8 | 523.2 | 471.1 | 436.6 | 416.3 | 400.8 | 395.5 | 386.3 |
| 67.5° | 529.3 | 548.9 | 532.3 | 483.1 | 431.3 | 391.9 | 364.9 | 345.4 | 336.2 | 331.7 | 325.2 |
| 70° | 454.8 | 474.4 | 456.8 | 413.8 | 374.0 | 340.8 | 315.4 | 304.3 | 294.5 | 292.6 | 283.4 |
| 72.5° | 391.7 | 405.0 | 387.5 | 353.8 | 319.8 | 291.8 | 272.1 | 260.5 | 255.4 | 251.9 | 246.9 |
| 75° | 293.9 | 305.6 | 293.9 | 267.8 | 243.6 | 224.1 | 207.2 | 202.6 | 196.8 | 194.8 | 191.5 |
| 77.5° | 208.0 | 218.1 | 209.2 | 192.8 | 174.8 | 159.8 | 150.6 | 144.8 | 143.5 | 140.1 | 141.7 |
| 80° | 159.0 | 165.5 | 157.0 | 146.0 | 131.6 | 121.2 | 114.7 | 111.4 | 107.5 | 106.2 | 108.8 |
| 82.5° | 114.1 | 117.1 | 112.7 | 105.3 | 94.6 | 87.8 | 83.4 | 79.6 | 78.8 | 79.1 | 79.1 |
| 85° | 59.3 | 58.6 | 58.0 | 51.5 | 48.3 | 43.6 | 41.1 | 40.4 | 39.8 | 41.1 | 42.3 |
| 87.5° | 21.8 | 22.1 | 21.4 | 19.1 | 17.2 | 15.5 | 14.7 | 13.9 | 14.7 | 15.5 | 16.2 |
| 90° | 9.9 | 9.0 | 8.0 | 6.9 | 5.6 | 4.2 | 2.9 | 1.6 | 2.9 | 4.2 | 5.6 |
| 92.5° | 20.0 | 19.3 | 18.6 | 17.5 | 16.0 | 14.5 | 13.0 | 11.5 | 13.0 | 14.5 | 16.0 |
| 95° | 39.2 | 38.4 | 37.5 | 36.6 | 35.4 | 34.4 | 33.4 | 32.2 | 33.4 | 34.4 | 35.4 |
| 97.5° | 62.7 | 61.6 | 60.7 | 59.8 | 58.9 | 58.1 | 57.2 | 56.4 | 57.2 | 58.1 | 58.9 |
| 100° | 80.1 | 79.0 | 77.9 | 77.2 | 76.7 | 76.3 | 75.8 | 75.2 | 75.8 | 76.3 | 76.7 |
| 102.5° | 98.3 | 97.4 | 96.4 | 95.8 | 95.6 | 95.4 | 95.2 | 95.0 | 95.2 | 95.4 | 95.6 |
| 105° | 127.0 | 126.5 | 126.0 | 125.7 | 125.6 | 125.5 | 125.4 | 125.3 | 125.4 | 125.5 | 125.6 |
| 107.5° | 157.8 | 157.7 | 157.7 | 157.6 | 157.4 | 157.2 | 157.1 | 156.9 | 157.1 | 157.2 | 157.4 |
| 110° | 179.3 | 179.4 | 179.5 | 179.5 | 179.2 | 179.0 | 178.7 | 178.5 | 178.7 | 179.0 | 179.2 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 200.5 | 200.8 | 201.0 | 201.0 | 201.0 | 201.0 | 200.9 | 200.9 | 200.9 | 201.0 | 201.0 |
| 115° | 233.8 | 234.0 | 234.2 | 234.4 | 234.4 | 234.4 | 234.4 | 234.4 | 234.4 | 234.4 | 234.4 |
| 117.5° | 266.0 | 266.2 | 266.4 | 266.4 | 266.3 | 266.2 | 266.1 | 266.0 | 266.1 | 266.2 | 266.3 |
| 120° | 288.3 | 288.7 | 289.1 | 289.0 | 288.5 | 288.0 | 287.6 | 287.1 | 287.6 | 288.0 | 288.5 |
| 122.5° | 309.4 | 309.6 | 309.8 | 309.7 | 309.5 | 309.3 | 309.2 | 309.0 | 309.2 | 309.3 | 309.5 |
| 125° | 341.1 | 341.2 | 341.3 | 341.4 | 341.4 | 341.4 | 341.4 | 341.4 | 341.4 | 341.4 | 341.4 |
| 127.5° | 371.8 | 372.0 | 372.2 | 372.1 | 371.8 | 371.5 | 371.1 | 370.7 | 371.1 | 371.5 | 371.8 |
| 130° | 392.9 | 392.9 | 392.9 | 392.8 | 392.5 | 392.1 | 391.7 | 391.3 | 391.7 | 392.1 | 392.5 |
| 132.5° | 413.4 | 413.5 | 413.6 | 413.5 | 413.2 | 412.9 | 412.7 | 412.5 | 412.7 | 412.9 | 413.2 |
| 135° | 443.5 | 443.5 | 443.5 | 443.2 | 442.4 | 441.7 | 441.0 | 440.3 | 441.0 | 441.7 | 442.4 |
| 137.5° | 472.6 | 472.4 | 472.2 | 471.9 | 471.6 | 471.3 | 470.9 | 470.6 | 470.9 | 471.3 | 471.6 |
| 140° | 491.9 | 491.9 | 491.9 | 491.7 | 491.5 | 491.3 | 491.1 | 490.8 | 491.1 | 491.3 | 491.5 |
| 142.5° | 510.1 | 510.2 | 510.3 | 510.3 | 510.0 | 509.8 | 509.5 | 509.3 | 509.5 | 509.8 | 510.0 |
| 145° | 537.3 | 537.2 | 537.1 | 536.8 | 536.3 | 535.8 | 535.4 | 534.9 | 535.4 | 535.8 | 536.3 |
| 147.5° | 562.6 | 562.7 | 562.8 | 562.6 | 561.9 | 561.4 | 560.8 | 560.2 | 560.8 | 561.4 | 561.9 |
| 150° | 577.9 | 577.9 | 577.9 | 577.7 | 577.2 | 576.7 | 576.3 | 575.7 | 576.3 | 576.7 | 577.2 |
| 152.5° | 591.9 | 591.8 | 591.7 | 591.5 | 591.3 | 591.0 | 590.7 | 590.4 | 590.7 | 591.0 | 591.3 |
| 155° | 612.6 | 612.7 | 612.7 | 612.8 | 612.8 | 612.8 | 612.8 | 612.8 | 612.8 | 612.8 | 612.8 |
| 157.5° | 630.7 | 630.7 | 630.7 | 630.9 | 631.1 | 631.3 | 631.5 | 631.8 | 631.5 | 631.3 | 631.1 |
| 160° | 642.2 | 642.2 | 642.3 | 642.4 | 642.6 | 642.7 | 642.8 | 642.9 | 642.8 | 642.7 | 642.6 |
| 162.5° | 651.6 | 651.7 | 651.8 | 652.1 | 652.3 | 652.6 | 653.0 | 653.3 | 653.0 | 652.6 | 652.3 |
| 165° | 665.0 | 665.2 | 665.4 | 665.7 | 666.1 | 666.4 | 666.8 | 667.1 | 666.8 | 666.4 | 666.1 |
| 167.5° | 675.6 | 675.5 | 675.5 | 675.8 | 676.3 | 676.7 | 677.3 | 677.8 | 677.3 | 676.7 | 676.3 |
| 170° | 681.4 | 681.3 | 681.2 | 681.4 | 682.0 | 682.6 | 683.2 | 683.8 | 683.2 | 682.6 | 682.0 |
| 172.5° | 685.9 | 685.9 | 685.9 | 686.1 | 686.6 | 687.1 | 687.6 | 688.1 | 687.6 | 687.1 | 686.6 |
| 175° | 691.1 | 691.2 | 691.3 | 691.6 | 692.2 | 692.9 | 693.4 | 694.0 | 693.4 | 692.9 | 692.2 |
| 177.5° | 693.8 | 693.8 | 693.8 | 694.0 | 694.6 | 695.0 | 695.5 | 696.0 | 695.5 | 695.0 | 694.6 |
| 180° | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 |
| 2.5° | 1542.7 | 1538.0 | 1531.3 | 1521.8 | 1514.0 | 1505.7 | 1503.6 | 1500.4 | 1506.7 | 1501.5 | 1500.0 |
| 5° | 1492.1 | 1478.5 | 1460.8 | 1440.7 | 1428.9 | 1412.0 | 1408.7 | 1402.2 | 1395.7 | 1395.1 | 1388.6 |
| 7.5° | 1438.6 | 1418.5 | 1395.4 | 1374.9 | 1355.8 | 1337.3 | 1325.2 | 1322.6 | 1313.0 | 1307.3 | 1300.8 |
| 10° | 1404.2 | 1379.4 | 1352.7 | 1333.1 | 1311.0 | 1291.5 | 1277.8 | 1270.0 | 1263.4 | 1256.2 | 1249.7 |
| 12.5° | 1363.5 | 1337.2 | 1315.1 | 1294.0 | 1267.7 | 1252.8 | 1230.3 | 1216.7 | 1215.5 | 1215.6 | 1198.6 |
| 15° | 1316.2 | 1290.2 | 1256.2 | 1226.2 | 1211.9 | 1183.3 | 1170.9 | 1155.3 | 1145.5 | 1135.7 | 1127.9 |
| 17.5° | 1262.2 | 1229.6 | 1203.2 | 1168.8 | 1141.4 | 1118.6 | 1102.4 | 1093.0 | 1078.3 | 1064.4 | 1054.4 |
| 20° | 1228.2 | 1193.7 | 1165.6 | 1129.2 | 1099.2 | 1071.2 | 1057.5 | 1044.5 | 1033.4 | 1021.7 | 1010.6 |
| 22.5° | 1193.8 | 1157.7 | 1123.4 | 1088.0 | 1060.2 | 1030.6 | 1017.4 | 999.7 | 989.1 | 982.6 | 971.5 |
| 25° | 1139.6 | 1100.5 | 1061.4 | 1027.6 | 998.9 | 972.8 | 955.3 | 941.5 | 929.8 | 924.6 | 917.5 |
| 27.5° | 1080.7 | 1041.9 | 1004.1 | 965.6 | 933.1 | 914.2 | 900.1 | 889.8 | 883.1 | 876.1 | 872.9 |
| 30° | 1043.2 | 1002.8 | 962.4 | 926.5 | 896.5 | 877.7 | 864.7 | 857.5 | 852.2 | 849.0 | 845.7 |
| 32.5° | 1005.1 | 965.3 | 922.7 | 890.0 | 863.2 | 846.4 | 836.5 | 829.3 | 826.7 | 825.6 | 824.3 |
| 35° | 944.1 | 903.7 | 864.7 | 835.4 | 809.9 | 803.4 | 794.9 | 791.0 | 789.8 | 794.3 | 796.3 |
| 37.5° | 885.1 | 847.6 | 811.6 | 783.2 | 766.6 | 757.1 | 754.1 | 754.3 | 758.9 | 763.0 | 767.7 |
| 40° | 847.1 | 810.6 | 776.7 | 752.0 | 736.3 | 730.5 | 729.2 | 732.4 | 737.6 | 742.2 | 747.3 |
| 42.5° | 810.0 | 774.1 | 743.3 | 720.1 | 709.2 | 703.8 | 704.6 | 707.8 | 715.2 | 720.8 | 728.6 |
| 45° | 752.6 | 722.6 | 692.7 | 673.7 | 664.6 | 665.9 | 665.9 | 671.8 | 678.9 | 687.4 | 695.9 |
| 47.5° | 698.5 | 668.3 | 643.7 | 627.7 | 623.0 | 621.9 | 625.6 | 633.2 | 643.5 | 653.9 | 665.8 |
| 50° | 662.0 | 633.3 | 611.8 | 597.5 | 592.3 | 594.3 | 599.5 | 606.6 | 619.0 | 632.1 | 644.4 |
| 52.5° | 625.0 | 598.9 | 579.0 | 565.7 | 562.0 | 565.6 | 570.8 | 582.1 | 593.0 | 607.0 | 622.0 |
| 55° | 567.5 | 545.4 | 529.7 | 520.0 | 518.7 | 520.7 | 526.5 | 538.9 | 554.5 | 572.1 | 586.4 |
| 57.5° | 510.3 | 491.8 | 477.5 | 470.7 | 471.4 | 473.2 | 482.9 | 497.6 | 514.3 | 533.0 | 551.5 |
| 60° | 471.7 | 454.8 | 443.1 | 437.9 | 438.5 | 442.4 | 454.1 | 467.9 | 488.7 | 506.9 | 526.5 |
| 62.5° | 435.3 | 420.4 | 409.2 | 404.5 | 403.6 | 412.2 | 423.4 | 437.6 | 458.5 | 478.8 | 499.9 |
| 65° | 376.6 | 364.9 | 355.8 | 353.2 | 355.2 | 361.7 | 376.0 | 394.8 | 412.5 | 433.9 | 456.1 |
| 67.5° | 319.2 | 309.6 | 303.4 | 304.5 | 306.9 | 316.5 | 328.6 | 344.8 | 364.8 | 387.0 | 409.0 |
| 70° | 282.8 | 273.6 | 268.4 | 269.1 | 273.1 | 284.7 | 295.2 | 311.4 | 333.0 | 355.8 | 374.0 |
| 72.5° | 245.2 | 239.2 | 234.6 | 237.3 | 241.2 | 249.3 | 262.3 | 278.6 | 297.6 | 318.8 | 338.0 |
| 75° | 188.3 | 188.3 | 185.7 | 187.7 | 193.5 | 201.3 | 211.1 | 228.1 | 246.9 | 263.9 | 279.6 |
| 77.5° | 139.7 | 138.3 | 140.0 | 142.3 | 145.7 | 155.0 | 166.2 | 178.2 | 192.5 | 209.4 | 222.3 |
| 80° | 106.9 | 107.5 | 110.7 | 114.7 | 116.0 | 123.2 | 134.9 | 146.0 | 157.0 | 171.4 | 183.7 |
| 82.5° | 80.3 | 81.0 | 82.7 | 87.6 | 88.9 | 96.6 | 104.2 | 115.2 | 125.3 | 134.9 | 145.2 |
| 85° | 43.6 | 43.6 | 46.9 | 48.8 | 52.1 | 57.3 | 61.9 | 68.4 | 77.6 | 84.1 | 93.8 |
| 87.5° | 18.1 | 18.3 | 20.5 | 21.8 | 23.6 | 26.3 | 27.5 | 33.4 | 35.6 | 38.4 | 43.2 |
| 90° | 6.9 | 8.0 | 9.0 | 9.9 | 10.8 | 11.8 | 12.5 | 13.3 | 13.9 | 14.7 | 15.2 |
| 92.5° | 17.5 | 18.6 | 19.3 | 20.0 | 20.6 | 21.3 | 21.7 | 22.1 | 22.6 | 23.0 | 23.3 |
| 95° | 36.6 | 37.5 | 38.4 | 39.2 | 40.1 | 40.8 | 41.2 | 41.6 | 41.9 | 42.3 | 42.5 |
| 97.5° | 59.8 | 60.7 | 61.6 | 62.7 | 63.6 | 64.7 | 65.0 | 65.5 | 65.9 | 66.4 | 66.5 |
| 100° | 77.2 | 77.9 | 79.0 | 80.1 | 81.2 | 82.3 | 82.5 | 82.8 | 82.9 | 83.2 | 83.3 |
| 102.5° | 95.8 | 96.4 | 97.4 | 98.3 | 99.3 | 100.3 | 100.7 | 100.9 | 101.3 | 101.6 | 101.9 |
| 105° | 125.7 | 126.0 | 126.5 | 127.0 | 127.4 | 127.9 | 128.3 | 128.7 | 129.0 | 129.4 | 129.7 |
| 107.5° | 157.6 | 157.7 | 157.7 | 157.8 | 157.9 | 158.0 | 158.3 | 158.6 | 158.9 | 159.3 | 159.5 |
| 110° | 179.5 | 179.5 | 179.4 | 179.3 | 179.2 | 179.0 | 178.8 | 178.5 | 178.3 | 178.0 | 178.1 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 201.0 | 201.0 | 200.8 | 200.5 | 200.3 | 200.1 | 200.0 | 200.0 | 199.9 | 199.9 | 199.9 |
| 115° | 234.4 | 234.2 | 234.0 | 233.8 | 233.6 | 233.3 | 233.2 | 233.1 | 233.0 | 232.8 | 232.7 |
| 117.5° | 266.4 | 266.4 | 266.2 | 266.0 | 265.8 | 265.7 | 265.2 | 264.9 | 264.5 | 264.0 | 263.7 |
| 120° | 289.0 | 289.1 | 288.7 | 288.3 | 287.9 | 287.6 | 287.0 | 286.4 | 285.8 | 285.2 | 285.0 |
| 122.5° | 309.7 | 309.8 | 309.6 | 309.4 | 309.2 | 309.2 | 308.7 | 308.3 | 307.9 | 307.5 | 307.1 |
| 125° | 341.4 | 341.3 | 341.2 | 341.1 | 340.9 | 340.8 | 340.5 | 340.4 | 340.1 | 339.9 | 339.6 |
| 127.5° | 372.1 | 372.2 | 372.0 | 371.8 | 371.6 | 371.5 | 371.3 | 371.0 | 370.8 | 370.5 | 370.3 |
| 130° | 392.8 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.8 | 392.5 | 392.3 | 392.0 | 391.6 |
| 132.5° | 413.5 | 413.6 | 413.5 | 413.4 | 413.3 | 413.2 | 412.9 | 412.7 | 412.5 | 412.3 | 412.0 |
| 135° | 443.2 | 443.5 | 443.5 | 443.5 | 443.5 | 443.5 | 443.3 | 443.0 | 442.8 | 442.5 | 442.2 |
| 137.5° | 471.9 | 472.2 | 472.4 | 472.6 | 472.8 | 473.0 | 472.7 | 472.3 | 472.0 | 471.7 | 471.6 |
| 140° | 491.7 | 491.9 | 491.9 | 491.9 | 491.9 | 491.9 | 491.7 | 491.6 | 491.5 | 491.4 | 491.3 |
| 142.5° | 510.3 | 510.3 | 510.2 | 510.1 | 510.0 | 509.9 | 509.9 | 509.9 | 509.9 | 509.8 | 509.8 |
| 145° | 536.8 | 537.1 | 537.2 | 537.3 | 537.4 | 537.5 | 537.4 | 537.3 | 537.2 | 537.1 | 536.9 |
| 147.5° | 562.6 | 562.8 | 562.7 | 562.6 | 562.5 | 562.4 | 562.3 | 562.2 | 562.1 | 562.0 | 561.9 |
| 150° | 577.7 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 152.5° | 591.5 | 591.7 | 591.8 | 591.9 | 592.0 | 592.1 | 592.4 | 592.7 | 593.0 | 593.2 | 593.2 |
| 155° | 612.8 | 612.7 | 612.7 | 612.6 | 612.5 | 612.3 | 612.7 | 613.2 | 613.7 | 614.3 | 614.3 |
| 157.5° | 630.9 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 631.0 | 631.4 | 631.8 | 632.2 | 632.1 |
| 160° | 642.4 | 642.3 | 642.2 | 642.2 | 642.0 | 641.9 | 642.2 | 642.6 | 642.9 | 643.3 | 643.2 |
| 162.5° | 652.1 | 651.8 | 651.7 | 651.6 | 651.5 | 651.3 | 652.0 | 652.6 | 653.3 | 653.9 | 653.9 |
| 165° | 665.7 | 665.4 | 665.2 | 665.0 | 664.7 | 664.5 | 665.2 | 665.9 | 666.6 | 667.3 | 667.4 |
| 167.5° | 675.8 | 675.5 | 675.5 | 675.6 | 675.6 | 675.6 | 676.4 | 677.0 | 677.8 | 678.5 | 678.4 |
| 170° | 681.4 | 681.2 | 681.3 | 681.4 | 681.6 | 681.6 | 682.4 | 683.1 | 683.8 | 684.5 | 684.5 |
| 172.5° | 686.1 | 685.9 | 685.9 | 685.9 | 685.9 | 686.0 | 686.7 | 687.6 | 688.4 | 689.2 | 689.2 |
| 175° | 691.6 | 691.3 | 691.2 | 691.1 | 690.9 | 690.8 | 691.6 | 692.5 | 693.3 | 694.1 | 694.1 |
| 177.5° | 694.0 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 694.5 | 695.1 | 695.8 | 696.4 | 696.4 |
| 180° | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 |
| 2.5° | 1498.9 | 1497.9 | 1494.2 | 1493.7 | 1494.2 | 1497.9 | 1498.9 | 1500.0 | 1501.5 | 1506.7 | 1500.4 |
| 5° | 1384.6 | 1381.4 | 1379.4 | 1386.6 | 1379.4 | 1381.4 | 1384.6 | 1388.6 | 1395.1 | 1395.7 | 1402.2 |
| 7.5° | 1298.4 | 1295.9 | 1290.2 | 1288.4 | 1290.2 | 1295.9 | 1298.4 | 1300.8 | 1307.3 | 1313.0 | 1322.6 |
| 10° | 1243.2 | 1240.6 | 1235.4 | 1234.1 | 1235.4 | 1240.6 | 1243.2 | 1249.7 | 1256.2 | 1263.4 | 1270.0 |
| 12.5° | 1190.1 | 1184.9 | 1183.8 | 1185.1 | 1183.8 | 1184.9 | 1190.1 | 1198.6 | 1215.6 | 1215.5 | 1216.7 |
| 15° | 1119.5 | 1116.8 | 1109.7 | 1111.6 | 1109.7 | 1116.8 | 1119.5 | 1127.9 | 1135.7 | 1145.5 | 1155.3 |
| 17.5° | 1049.8 | 1046.7 | 1038.0 | 1045.7 | 1038.0 | 1046.7 | 1049.8 | 1054.4 | 1064.4 | 1078.3 | 1093.0 |
| 20° | 1006.1 | 1000.8 | 996.3 | 995.6 | 996.3 | 1000.8 | 1006.1 | 1010.6 | 1021.7 | 1033.4 | 1044.5 |
| 22.5° | 964.3 | 959.7 | 959.2 | 955.0 | 959.2 | 959.7 | 964.3 | 971.5 | 982.6 | 989.1 | 999.7 |
| 25° | 912.2 | 907.7 | 906.3 | 903.1 | 906.3 | 907.7 | 912.2 | 917.5 | 924.6 | 929.8 | 941.5 |
| 27.5° | 872.2 | 870.0 | 867.6 | 868.6 | 867.6 | 870.0 | 872.2 | 872.9 | 876.1 | 883.1 | 889.8 |
| 30° | 847.7 | 847.1 | 845.7 | 845.7 | 845.7 | 847.1 | 847.7 | 845.7 | 849.0 | 852.2 | 857.5 |
| 32.5° | 827.4 | 827.3 | 828.0 | 828.0 | 828.0 | 827.3 | 827.4 | 824.3 | 825.6 | 826.7 | 829.3 |
| 35° | 798.8 | 800.8 | 802.1 | 800.1 | 802.1 | 800.8 | 798.8 | 796.3 | 794.3 | 789.8 | 791.0 |
| 37.5° | 773.1 | 775.0 | 776.8 | 779.0 | 776.8 | 775.0 | 773.1 | 767.7 | 763.0 | 758.9 | 754.3 |
| 40° | 753.2 | 757.8 | 759.1 | 762.3 | 759.1 | 757.8 | 753.2 | 747.3 | 742.2 | 737.6 | 732.4 |
| 42.5° | 734.4 | 739.5 | 742.9 | 743.6 | 742.9 | 739.5 | 734.4 | 728.6 | 720.8 | 715.2 | 707.8 |
| 45° | 705.7 | 710.9 | 715.5 | 715.5 | 715.5 | 710.9 | 705.7 | 695.9 | 687.4 | 678.9 | 671.8 |
| 47.5° | 675.8 | 683.3 | 688.0 | 689.1 | 688.0 | 683.3 | 675.8 | 665.8 | 653.9 | 643.5 | 633.2 |
| 50° | 655.5 | 664.6 | 669.2 | 672.4 | 669.2 | 664.6 | 655.5 | 644.4 | 632.1 | 619.0 | 606.6 |
| 52.5° | 635.7 | 644.8 | 650.9 | 652.6 | 650.9 | 644.8 | 635.7 | 622.0 | 607.0 | 593.0 | 582.1 |
| 55° | 601.4 | 614.4 | 621.6 | 624.2 | 621.6 | 614.4 | 601.4 | 586.4 | 572.1 | 554.5 | 538.9 |
| 57.5° | 569.1 | 581.1 | 589.5 | 591.4 | 589.5 | 581.1 | 569.1 | 551.5 | 533.0 | 514.3 | 497.6 |
| 60° | 544.0 | 557.1 | 567.5 | 569.5 | 567.5 | 557.1 | 544.0 | 526.5 | 506.9 | 488.7 | 467.9 |
| 62.5° | 518.5 | 532.1 | 541.5 | 546.6 | 541.5 | 532.1 | 518.5 | 499.9 | 478.8 | 458.5 | 437.6 |
| 65° | 474.4 | 488.0 | 497.2 | 499.1 | 497.2 | 488.0 | 474.4 | 456.1 | 433.9 | 412.5 | 394.8 |
| 67.5° | 426.1 | 439.8 | 445.8 | 449.6 | 445.8 | 439.8 | 426.1 | 409.0 | 387.0 | 364.8 | 344.8 |
| 70° | 392.3 | 403.3 | 409.8 | 413.1 | 409.8 | 403.3 | 392.3 | 374.0 | 355.8 | 333.0 | 311.4 |
| 72.5° | 353.6 | 365.2 | 372.9 | 373.5 | 372.9 | 365.2 | 353.6 | 338.0 | 318.8 | 297.6 | 278.6 |
| 75° | 294.5 | 304.9 | 308.9 | 308.9 | 308.9 | 304.9 | 294.5 | 279.6 | 263.9 | 246.9 | 228.1 |
| 77.5° | 233.1 | 238.5 | 243.5 | 244.5 | 243.5 | 238.5 | 233.1 | 222.3 | 209.4 | 192.5 | 178.2 |
| 80° | 193.5 | 196.8 | 200.7 | 200.7 | 200.7 | 196.8 | 193.5 | 183.7 | 171.4 | 157.0 | 146.0 |
| 82.5° | 152.9 | 155.6 | 159.5 | 159.0 | 159.5 | 155.6 | 152.9 | 145.2 | 134.9 | 125.3 | 115.2 |
| 85° | 92.6 | 98.4 | 97.7 | 96.4 | 97.7 | 98.4 | 92.6 | 93.8 | 84.1 | 77.6 | 68.4 |
| 87.5° | 44.8 | 45.3 | 46.9 | 48.1 | 46.9 | 45.3 | 44.8 | 43.2 | 38.4 | 35.6 | 33.4 |
| 90° | 15.5 | 15.6 | 15.9 | 16.1 | 15.9 | 15.6 | 15.5 | 15.2 | 14.7 | 13.9 | 13.3 |
| 92.5° | 23.5 | 23.6 | 23.8 | 23.8 | 23.8 | 23.6 | 23.5 | 23.3 | 23.0 | 22.6 | 22.1 |
| 95° | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.3 | 41.9 | 41.6 |
| 97.5° | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.4 | 65.9 | 65.5 |
| 100° | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.2 | 82.9 | 82.8 |
| 102.5° | 102.0 | 102.1 | 102.2 | 102.3 | 102.2 | 102.1 | 102.0 | 101.9 | 101.6 | 101.3 | 100.9 |
| 105° | 130.1 | 130.4 | 130.8 | 131.2 | 130.8 | 130.4 | 130.1 | 129.7 | 129.4 | 129.0 | 128.7 |
| 107.5° | 159.4 | 159.4 | 159.4 | 159.4 | 159.4 | 159.4 | 159.4 | 159.5 | 159.3 | 158.9 | 158.6 |
| 110° | 178.5 | 178.8 | 179.2 | 179.6 | 179.2 | 178.8 | 178.5 | 178.1 | 178.0 | 178.3 | 178.5 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 200.0 | 200.0 | 200.1 | 200.2 | 200.1 | 200.0 | 200.0 | 199.9 | 199.9 | 199.9 | 200.0 |
| 115° | 232.6 | 232.4 | 232.3 | 232.2 | 232.3 | 232.4 | 232.6 | 232.7 | 232.8 | 233.0 | 233.1 |
| 117.5° | 263.4 | 263.3 | 263.0 | 262.8 | 263.0 | 263.3 | 263.4 | 263.7 | 264.0 | 264.5 | 264.9 |
| 120° | 285.3 | 285.5 | 285.8 | 286.0 | 285.8 | 285.5 | 285.3 | 285.0 | 285.2 | 285.8 | 286.4 |
| 122.5° | 306.6 | 306.2 | 305.8 | 305.4 | 305.8 | 306.2 | 306.6 | 307.1 | 307.5 | 307.9 | 308.3 |
| 125° | 339.4 | 339.1 | 338.9 | 338.7 | 338.9 | 339.1 | 339.4 | 339.6 | 339.9 | 340.1 | 340.4 |
| 127.5° | 370.1 | 369.9 | 369.8 | 369.6 | 369.8 | 369.9 | 370.1 | 370.3 | 370.5 | 370.8 | 371.0 |
| 130° | 391.2 | 390.7 | 390.2 | 389.7 | 390.2 | 390.7 | 391.2 | 391.6 | 392.0 | 392.3 | 392.5 |
| 132.5° | 411.8 | 411.6 | 411.4 | 411.2 | 411.4 | 411.6 | 411.8 | 412.0 | 412.3 | 412.5 | 412.7 |
| 135° | 441.9 | 441.5 | 441.2 | 440.8 | 441.2 | 441.5 | 441.9 | 442.2 | 442.5 | 442.8 | 443.0 |
| 137.5° | 471.6 | 471.7 | 471.8 | 471.9 | 471.8 | 471.7 | 471.6 | 471.6 | 471.7 | 472.0 | 472.3 |
| 140° | 491.2 | 491.1 | 491.0 | 490.8 | 491.0 | 491.1 | 491.2 | 491.3 | 491.4 | 491.5 | 491.6 |
| 142.5° | 509.8 | 509.8 | 509.7 | 509.7 | 509.7 | 509.8 | 509.8 | 509.8 | 509.8 | 509.9 | 509.9 |
| 145° | 536.5 | 536.1 | 535.7 | 535.5 | 535.7 | 536.1 | 536.5 | 536.9 | 537.1 | 537.2 | 537.3 |
| 147.5° | 561.8 | 561.7 | 561.6 | 561.5 | 561.6 | 561.7 | 561.8 | 561.9 | 562.0 | 562.1 | 562.2 |
| 150° | 577.7 | 577.6 | 577.5 | 577.4 | 577.5 | 577.6 | 577.7 | 577.9 | 577.9 | 577.9 | 577.9 |
| 152.5° | 593.0 | 592.6 | 592.3 | 592.0 | 592.3 | 592.6 | 593.0 | 593.2 | 593.2 | 593.0 | 592.7 |
| 155° | 613.7 | 613.2 | 612.7 | 612.3 | 612.7 | 613.2 | 613.7 | 614.3 | 614.3 | 613.7 | 613.2 |
| 157.5° | 631.7 | 631.3 | 630.8 | 630.5 | 630.8 | 631.3 | 631.7 | 632.1 | 632.2 | 631.8 | 631.4 |
| 160° | 642.6 | 642.0 | 641.4 | 640.8 | 641.4 | 642.0 | 642.6 | 643.2 | 643.3 | 642.9 | 642.6 |
| 162.5° | 653.4 | 652.7 | 652.1 | 651.6 | 652.1 | 652.7 | 653.4 | 653.9 | 653.9 | 653.3 | 652.6 |
| 165° | 666.9 | 666.5 | 666.0 | 665.5 | 666.0 | 666.5 | 666.9 | 667.4 | 667.3 | 666.6 | 665.9 |
| 167.5° | 677.8 | 677.0 | 676.3 | 675.5 | 676.3 | 677.0 | 677.8 | 678.4 | 678.5 | 677.8 | 677.0 |
| 170° | 683.6 | 682.8 | 681.9 | 681.1 | 681.9 | 682.8 | 683.6 | 684.5 | 684.5 | 683.8 | 683.1 |
| 172.5° | 688.3 | 687.5 | 686.6 | 685.9 | 686.6 | 687.5 | 688.3 | 689.2 | 689.2 | 688.4 | 687.6 |
| 175° | 693.3 | 692.5 | 691.6 | 690.8 | 691.6 | 692.5 | 693.3 | 694.1 | 694.1 | 693.3 | 692.5 |
| 177.5° | 695.7 | 694.9 | 694.1 | 693.3 | 694.1 | 694.9 | 695.7 | 696.4 | 696.4 | 695.8 | 695.1 |
| 180° | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 |
| 2.5° | 1503.6 | 1505.7 | 1514.0 | 1521.8 | 1531.3 | 1538.0 | 1542.7 | 1547.9 | 1558.9 | 1567.7 | 1576.0 |
| 5° | 1408.7 | 1412.0 | 1428.9 | 1440.7 | 1460.8 | 1478.5 | 1492.1 | 1507.1 | 1524.8 | 1548.8 | 1570.9 |
| 7.5° | 1325.2 | 1337.3 | 1355.8 | 1374.9 | 1395.4 | 1418.5 | 1438.6 | 1461.1 | 1491.5 | 1524.6 | 1558.7 |
| 10° | 1277.8 | 1291.5 | 1311.0 | 1333.1 | 1352.7 | 1379.4 | 1404.2 | 1430.9 | 1465.4 | 1505.8 | 1546.2 |
| 12.5° | 1230.3 | 1252.8 | 1267.7 | 1294.0 | 1315.1 | 1337.2 | 1363.5 | 1398.5 | 1438.8 | 1481.3 | 1530.0 |
| 15° | 1170.9 | 1183.3 | 1211.9 | 1226.2 | 1256.2 | 1290.2 | 1316.2 | 1351.4 | 1390.4 | 1446.5 | 1501.3 |
| 17.5° | 1102.4 | 1118.6 | 1141.4 | 1168.8 | 1203.2 | 1229.6 | 1262.2 | 1298.4 | 1347.6 | 1403.3 | 1471.8 |
| 20° | 1057.5 | 1071.2 | 1099.2 | 1129.2 | 1165.6 | 1193.7 | 1228.2 | 1263.4 | 1314.3 | 1373.6 | 1445.2 |
| 22.5° | 1017.4 | 1030.6 | 1060.2 | 1088.0 | 1123.4 | 1157.7 | 1193.8 | 1234.7 | 1283.5 | 1346.0 | 1419.2 |
| 25° | 955.3 | 972.8 | 998.9 | 1027.6 | 1061.4 | 1100.5 | 1139.6 | 1176.1 | 1228.2 | 1294.0 | 1372.2 |
| 27.5° | 900.1 | 914.2 | 933.1 | 965.6 | 1004.1 | 1041.9 | 1080.7 | 1126.6 | 1176.7 | 1246.2 | 1327.4 |
| 30° | 864.7 | 877.7 | 896.5 | 926.5 | 962.4 | 1002.8 | 1043.2 | 1087.5 | 1139.6 | 1208.7 | 1291.5 |
| 32.5° | 836.5 | 846.4 | 863.2 | 890.0 | 922.7 | 965.3 | 1005.1 | 1051.0 | 1105.7 | 1173.7 | 1254.4 |
| 35° | 794.9 | 803.4 | 809.9 | 835.4 | 864.7 | 903.7 | 944.1 | 993.1 | 1045.8 | 1110.3 | 1191.1 |
| 37.5° | 754.1 | 757.1 | 766.6 | 783.2 | 811.6 | 847.6 | 885.1 | 933.2 | 987.3 | 1052.8 | 1125.7 |
| 40° | 729.2 | 730.5 | 736.3 | 752.0 | 776.7 | 810.6 | 847.1 | 894.7 | 946.1 | 1008.0 | 1080.3 |
| 42.5° | 704.6 | 703.8 | 709.2 | 720.1 | 743.3 | 774.1 | 810.0 | 853.5 | 904.9 | 962.1 | 1030.3 |
| 45° | 665.9 | 665.9 | 664.6 | 673.7 | 692.7 | 722.6 | 752.6 | 794.3 | 837.3 | 893.3 | 950.6 |
| 47.5° | 625.6 | 621.9 | 623.0 | 627.7 | 643.7 | 668.3 | 698.5 | 732.6 | 770.5 | 818.0 | 868.3 |
| 50° | 599.5 | 594.3 | 592.3 | 597.5 | 611.8 | 633.3 | 662.0 | 692.0 | 727.8 | 769.5 | 812.6 |
| 52.5° | 570.8 | 565.6 | 562.0 | 565.7 | 579.0 | 598.9 | 625.0 | 651.3 | 683.5 | 717.4 | 754.7 |
| 55° | 526.5 | 520.7 | 518.7 | 520.0 | 529.7 | 545.4 | 567.5 | 591.6 | 615.8 | 643.8 | 669.9 |
| 57.5° | 482.9 | 473.2 | 471.4 | 470.7 | 477.5 | 491.8 | 510.3 | 531.2 | 548.7 | 565.7 | 593.4 |
| 60° | 454.1 | 442.4 | 438.5 | 437.9 | 443.1 | 454.8 | 471.7 | 492.6 | 505.0 | 516.7 | 540.8 |
| 62.5° | 423.4 | 412.2 | 403.6 | 404.5 | 409.2 | 420.4 | 435.3 | 450.3 | 458.5 | 471.4 | 487.7 |
| 65° | 376.0 | 361.7 | 355.2 | 353.2 | 355.8 | 364.9 | 376.6 | 386.3 | 395.5 | 400.8 | 416.3 |
| 67.5° | 328.6 | 316.5 | 306.9 | 304.5 | 303.4 | 309.6 | 319.2 | 325.2 | 331.7 | 336.2 | 345.4 |
| 70° | 295.2 | 284.7 | 273.1 | 269.1 | 268.4 | 273.6 | 282.8 | 283.4 | 292.6 | 294.5 | 304.3 |
| 72.5° | 262.3 | 249.3 | 241.2 | 237.3 | 234.6 | 239.2 | 245.2 | 246.9 | 251.9 | 255.4 | 260.5 |
| 75° | 211.1 | 201.3 | 193.5 | 187.7 | 185.7 | 188.3 | 188.3 | 191.5 | 194.8 | 196.8 | 202.6 |
| 77.5° | 166.2 | 155.0 | 145.7 | 142.3 | 140.0 | 138.3 | 139.7 | 141.7 | 140.1 | 143.5 | 144.8 |
| 80° | 134.9 | 123.2 | 116.0 | 114.7 | 110.7 | 107.5 | 106.9 | 108.8 | 106.2 | 107.5 | 111.4 |
| 82.5° | 104.2 | 96.6 | 88.9 | 87.6 | 82.7 | 81.0 | 80.3 | 79.1 | 79.1 | 78.8 | 79.6 |
| 85° | 61.9 | 57.3 | 52.1 | 48.8 | 46.9 | 43.6 | 43.6 | 42.3 | 41.1 | 39.8 | 40.4 |
| 87.5° | 27.5 | 26.3 | 23.6 | 21.8 | 20.5 | 18.3 | 18.1 | 16.2 | 15.5 | 14.7 | 13.9 |
| 90° | 12.5 | 11.8 | 10.8 | 9.9 | 9.0 | 8.0 | 6.9 | 5.6 | 4.2 | 2.9 | 1.6 |
| 92.5° | 21.7 | 21.3 | 20.6 | 20.0 | 19.3 | 18.6 | 17.5 | 16.0 | 14.5 | 13.0 | 11.5 |
| 95° | 41.2 | 40.8 | 40.1 | 39.2 | 38.4 | 37.5 | 36.6 | 35.4 | 34.4 | 33.4 | 32.2 |
| 97.5° | 65.0 | 64.7 | 63.6 | 62.7 | 61.6 | 60.7 | 59.8 | 58.9 | 58.1 | 57.2 | 56.4 |
| 100° | 82.5 | 82.3 | 81.2 | 80.1 | 79.0 | 77.9 | 77.2 | 76.7 | 76.3 | 75.8 | 75.2 |
| 102.5° | 100.7 | 100.3 | 99.3 | 98.3 | 97.4 | 96.4 | 95.8 | 95.6 | 95.4 | 95.2 | 95.0 |
| 105° | 128.3 | 127.9 | 127.4 | 127.0 | 126.5 | 126.0 | 125.7 | 125.6 | 125.5 | 125.4 | 125.3 |
| 107.5° | 158.3 | 158.0 | 157.9 | 157.8 | 157.7 | 157.7 | 157.6 | 157.4 | 157.2 | 157.1 | 156.9 |
| 110° | 178.8 | 179.0 | 179.2 | 179.3 | 179.4 | 179.5 | 179.5 | 179.2 | 179.0 | 178.7 | 178.5 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 200.0 | 200.1 | 200.3 | 200.5 | 200.8 | 201.0 | 201.0 | 201.0 | 201.0 | 200.9 | 200.9 |
| 115° | 233.2 | 233.3 | 233.6 | 233.8 | 234.0 | 234.2 | 234.4 | 234.4 | 234.4 | 234.4 | 234.4 |
| 117.5° | 265.2 | 265.7 | 265.8 | 266.0 | 266.2 | 266.4 | 266.4 | 266.3 | 266.2 | 266.1 | 266.0 |
| 120° | 287.0 | 287.6 | 287.9 | 288.3 | 288.7 | 289.1 | 289.0 | 288.5 | 288.0 | 287.6 | 287.1 |
| 122.5° | 308.7 | 309.2 | 309.2 | 309.4 | 309.6 | 309.8 | 309.7 | 309.5 | 309.3 | 309.2 | 309.0 |
| 125° | 340.5 | 340.8 | 340.9 | 341.1 | 341.2 | 341.3 | 341.4 | 341.4 | 341.4 | 341.4 | 341.4 |
| 127.5° | 371.3 | 371.5 | 371.6 | 371.8 | 372.0 | 372.2 | 372.1 | 371.8 | 371.5 | 371.1 | 370.7 |
| 130° | 392.8 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.8 | 392.5 | 392.1 | 391.7 | 391.3 |
| 132.5° | 412.9 | 413.2 | 413.3 | 413.4 | 413.5 | 413.6 | 413.5 | 413.2 | 412.9 | 412.7 | 412.5 |
| 135° | 443.3 | 443.5 | 443.5 | 443.5 | 443.5 | 443.5 | 443.2 | 442.4 | 441.7 | 441.0 | 440.3 |
| 137.5° | 472.7 | 473.0 | 472.8 | 472.6 | 472.4 | 472.2 | 471.9 | 471.6 | 471.3 | 470.9 | 470.6 |
| 140° | 491.7 | 491.9 | 491.9 | 491.9 | 491.9 | 491.9 | 491.7 | 491.5 | 491.3 | 491.1 | 490.8 |
| 142.5° | 509.9 | 509.9 | 510.0 | 510.1 | 510.2 | 510.3 | 510.3 | 510.0 | 509.8 | 509.5 | 509.3 |
| 145° | 537.4 | 537.5 | 537.4 | 537.3 | 537.2 | 537.1 | 536.8 | 536.3 | 535.8 | 535.4 | 534.9 |
| 147.5° | 562.3 | 562.4 | 562.5 | 562.6 | 562.7 | 562.8 | 562.6 | 561.9 | 561.4 | 560.8 | 560.2 |
| 150° | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.7 | 577.2 | 576.7 | 576.3 | 575.7 |
| 152.5° | 592.4 | 592.1 | 592.0 | 591.9 | 591.8 | 591.7 | 591.5 | 591.3 | 591.0 | 590.7 | 590.4 |
| 155° | 612.7 | 612.3 | 612.5 | 612.6 | 612.7 | 612.7 | 612.8 | 612.8 | 612.8 | 612.8 | 612.8 |
| 157.5° | 631.0 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.9 | 631.1 | 631.3 | 631.5 | 631.8 |
| 160° | 642.2 | 641.9 | 642.0 | 642.2 | 642.2 | 642.3 | 642.4 | 642.6 | 642.7 | 642.8 | 642.9 |
| 162.5° | 652.0 | 651.3 | 651.5 | 651.6 | 651.7 | 651.8 | 652.1 | 652.3 | 652.6 | 653.0 | 653.3 |
| 165° | 665.2 | 664.5 | 664.7 | 665.0 | 665.2 | 665.4 | 665.7 | 666.1 | 666.4 | 666.8 | 667.1 |
| 167.5° | 676.4 | 675.6 | 675.6 | 675.6 | 675.5 | 675.5 | 675.8 | 676.3 | 676.7 | 677.3 | 677.8 |
| 170° | 682.4 | 681.6 | 681.6 | 681.4 | 681.3 | 681.2 | 681.4 | 682.0 | 682.6 | 683.2 | 683.8 |
| 172.5° | 686.7 | 686.0 | 685.9 | 685.9 | 685.9 | 685.9 | 686.1 | 686.6 | 687.1 | 687.6 | 688.1 |
| 175° | 691.6 | 690.8 | 690.9 | 691.1 | 691.2 | 691.3 | 691.6 | 692.2 | 692.9 | 693.4 | 694.0 |
| 177.5° | 694.5 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 694.0 | 694.6 | 695.0 | 695.5 | 696.0 |
| 180° | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 |
| 2.5° | 1583.4 | 1588.6 | 1595.3 | 1606.8 | 1611.0 | 1616.2 | 1623.5 | 1623.0 | 1625.0 | 1632.9 | 1649.5 |
| 5° | 1589.2 | 1609.4 | 1629.0 | 1652.5 | 1677.2 | 1693.5 | 1715.6 | 1729.3 | 1742.9 | 1760.6 | 1790.5 |
| 7.5° | 1591.6 | 1623.6 | 1659.4 | 1700.6 | 1737.3 | 1779.5 | 1812.4 | 1843.4 | 1871.5 | 1908.6 | 1944.4 |
| 10° | 1587.9 | 1630.9 | 1677.2 | 1729.3 | 1784.7 | 1831.6 | 1874.0 | 1922.2 | 1963.2 | 2008.2 | 2048.6 |
| 12.5° | 1581.1 | 1633.0 | 1694.9 | 1753.3 | 1818.1 | 1887.3 | 1940.1 | 1988.9 | 2043.5 | 2095.3 | 2157.6 |
| 15° | 1565.8 | 1636.8 | 1709.1 | 1786.0 | 1872.6 | 1952.8 | 2029.0 | 2092.3 | 2150.9 | 2228.5 | 2309.9 |
| 17.5° | 1546.2 | 1622.9 | 1714.0 | 1807.1 | 1897.7 | 1989.3 | 2083.7 | 2178.7 | 2252.7 | 2349.0 | 2412.7 |
| 20° | 1528.0 | 1616.6 | 1710.4 | 1821.2 | 1911.8 | 2025.8 | 2119.6 | 2211.5 | 2313.1 | 2409.0 | 2485.1 |
| 22.5° | 1502.4 | 1599.4 | 1698.9 | 1809.2 | 1928.4 | 2042.5 | 2150.9 | 2250.6 | 2352.2 | 2456.4 | 2548.7 |
| 25° | 1470.0 | 1557.9 | 1675.8 | 1801.0 | 1919.6 | 2043.3 | 2167.8 | 2292.9 | 2402.4 | 2512.5 | 2598.5 |
| 27.5° | 1414.8 | 1525.8 | 1635.6 | 1764.7 | 1896.5 | 2036.6 | 2169.6 | 2300.7 | 2415.3 | 2505.8 | 2559.2 |
| 30° | 1386.6 | 1483.0 | 1602.2 | 1731.9 | 1874.6 | 2025.1 | 2163.9 | 2292.3 | 2399.1 | 2471.4 | 2492.9 |
| 32.5° | 1344.9 | 1444.4 | 1561.0 | 1695.4 | 1846.4 | 2001.1 | 2145.7 | 2266.7 | 2355.9 | 2393.8 | 2367.9 |
| 35° | 1283.0 | 1372.9 | 1490.8 | 1628.3 | 1785.4 | 1950.2 | 2092.9 | 2195.2 | 2240.8 | 2205.0 | 2115.7 |
| 37.5° | 1208.7 | 1297.8 | 1416.3 | 1551.3 | 1713.8 | 1881.4 | 2010.4 | 2084.1 | 2068.9 | 1979.8 | 1846.7 |
| 40° | 1156.6 | 1240.0 | 1352.7 | 1498.6 | 1657.0 | 1825.0 | 1938.4 | 1978.2 | 1936.5 | 1808.8 | 1667.5 |
| 42.5° | 1098.7 | 1180.1 | 1293.3 | 1434.0 | 1601.8 | 1756.8 | 1855.6 | 1858.9 | 1788.9 | 1636.3 | 1494.3 |
| 45° | 1010.6 | 1088.2 | 1195.0 | 1341.6 | 1496.7 | 1642.7 | 1707.8 | 1675.8 | 1546.9 | 1399.6 | 1256.9 |
| 47.5° | 923.7 | 990.9 | 1096.3 | 1235.4 | 1382.7 | 1505.5 | 1537.9 | 1480.4 | 1342.9 | 1200.0 | 1067.7 |
| 50° | 860.1 | 927.8 | 1026.9 | 1159.8 | 1301.8 | 1408.1 | 1423.7 | 1347.5 | 1212.6 | 1068.6 | 965.0 |
| 52.5° | 799.1 | 866.4 | 961.8 | 1084.8 | 1214.8 | 1310.6 | 1311.1 | 1222.9 | 1088.5 | 960.2 | 863.8 |
| 55° | 709.5 | 770.2 | 856.2 | 966.3 | 1082.3 | 1157.3 | 1139.0 | 1047.7 | 931.1 | 819.7 | 735.7 |
| 57.5° | 623.3 | 676.1 | 755.4 | 847.2 | 949.3 | 1011.2 | 980.9 | 893.1 | 788.9 | 694.5 | 630.7 |
| 60° | 567.5 | 617.7 | 685.5 | 772.1 | 858.2 | 906.3 | 877.7 | 798.1 | 702.4 | 626.1 | 570.8 |
| 62.5° | 513.3 | 555.6 | 620.9 | 696.1 | 775.8 | 811.5 | 786.0 | 707.5 | 624.7 | 555.8 | 510.9 |
| 65° | 436.6 | 471.1 | 523.2 | 587.8 | 645.7 | 676.4 | 654.9 | 581.8 | 518.7 | 469.1 | 433.3 |
| 67.5° | 364.9 | 391.9 | 431.3 | 483.1 | 532.3 | 548.9 | 529.3 | 478.5 | 425.0 | 385.3 | 360.1 |
| 70° | 315.4 | 340.8 | 374.0 | 413.8 | 456.8 | 474.4 | 454.8 | 414.4 | 370.8 | 334.2 | 309.5 |
| 72.5° | 272.1 | 291.8 | 319.8 | 353.8 | 387.5 | 405.0 | 391.7 | 352.9 | 316.0 | 288.9 | 267.8 |
| 75° | 207.2 | 224.1 | 243.6 | 267.8 | 293.9 | 305.6 | 293.9 | 267.1 | 241.8 | 221.5 | 206.5 |
| 77.5° | 150.6 | 159.8 | 174.8 | 192.8 | 209.2 | 218.1 | 208.0 | 189.8 | 174.4 | 160.5 | 153.2 |
| 80° | 114.7 | 121.2 | 131.6 | 146.0 | 157.0 | 165.5 | 159.0 | 144.0 | 131.6 | 122.5 | 119.2 |
| 82.5° | 83.4 | 87.8 | 94.6 | 105.3 | 112.7 | 117.1 | 114.1 | 103.3 | 98.2 | 90.2 | 86.9 |
| 85° | 41.1 | 43.6 | 48.3 | 51.5 | 58.0 | 58.6 | 59.3 | 54.8 | 50.1 | 48.3 | 45.6 |
| 87.5° | 14.7 | 15.5 | 17.2 | 19.1 | 21.4 | 22.1 | 21.8 | 22.0 | 20.1 | 19.7 | 17.8 |
| 90° | 2.9 | 4.2 | 5.6 | 6.9 | 8.0 | 9.0 | 9.9 | 10.8 | 11.8 | 12.5 | 13.3 |
| 92.5° | 13.0 | 14.5 | 16.0 | 17.5 | 18.6 | 19.3 | 20.0 | 20.6 | 21.3 | 21.7 | 22.1 |
| 95° | 33.4 | 34.4 | 35.4 | 36.6 | 37.5 | 38.4 | 39.2 | 40.1 | 40.8 | 41.2 | 41.6 |
| 97.5° | 57.2 | 58.1 | 58.9 | 59.8 | 60.7 | 61.6 | 62.7 | 63.6 | 64.7 | 65.0 | 65.5 |
| 100° | 75.8 | 76.3 | 76.7 | 77.2 | 77.9 | 79.0 | 80.1 | 81.2 | 82.3 | 82.5 | 82.8 |
| 102.5° | 95.2 | 95.4 | 95.6 | 95.8 | 96.4 | 97.4 | 98.3 | 99.3 | 100.3 | 100.7 | 100.9 |
| 105° | 125.4 | 125.5 | 125.6 | 125.7 | 126.0 | 126.5 | 127.0 | 127.4 | 127.9 | 128.3 | 128.7 |
| 107.5° | 157.1 | 157.2 | 157.4 | 157.6 | 157.7 | 157.7 | 157.8 | 157.9 | 158.0 | 158.3 | 158.6 |
| 110° | 178.7 | 179.0 | 179.2 | 179.5 | 179.5 | 179.4 | 179.3 | 179.2 | 179.0 | 178.8 | 178.5 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 200.9 | 201.0 | 201.0 | 201.0 | 201.0 | 200.8 | 200.5 | 200.3 | 200.1 | 200.0 | 200.0 |
| 115° | 234.4 | 234.4 | 234.4 | 234.4 | 234.2 | 234.0 | 233.8 | 233.6 | 233.3 | 233.2 | 233.1 |
| 117.5° | 266.1 | 266.2 | 266.3 | 266.4 | 266.4 | 266.2 | 266.0 | 265.8 | 265.7 | 265.2 | 264.9 |
| 120° | 287.6 | 288.0 | 288.5 | 289.0 | 289.1 | 288.7 | 288.3 | 287.9 | 287.6 | 287.0 | 286.4 |
| 122.5° | 309.2 | 309.3 | 309.5 | 309.7 | 309.8 | 309.6 | 309.4 | 309.2 | 309.2 | 308.7 | 308.3 |
| 125° | 341.4 | 341.4 | 341.4 | 341.4 | 341.3 | 341.2 | 341.1 | 340.9 | 340.8 | 340.5 | 340.4 |
| 127.5° | 371.1 | 371.5 | 371.8 | 372.1 | 372.2 | 372.0 | 371.8 | 371.6 | 371.5 | 371.3 | 371.0 |
| 130° | 391.7 | 392.1 | 392.5 | 392.8 | 392.9 | 392.9 | 392.9 | 392.9 | 392.9 | 392.8 | 392.5 |
| 132.5° | 412.7 | 412.9 | 413.2 | 413.5 | 413.6 | 413.5 | 413.4 | 413.3 | 413.2 | 412.9 | 412.7 |
| 135° | 441.0 | 441.7 | 442.4 | 443.2 | 443.5 | 443.5 | 443.5 | 443.5 | 443.5 | 443.3 | 443.0 |
| 137.5° | 470.9 | 471.3 | 471.6 | 471.9 | 472.2 | 472.4 | 472.6 | 472.8 | 473.0 | 472.7 | 472.3 |
| 140° | 491.1 | 491.3 | 491.5 | 491.7 | 491.9 | 491.9 | 491.9 | 491.9 | 491.9 | 491.7 | 491.6 |
| 142.5° | 509.5 | 509.8 | 510.0 | 510.3 | 510.3 | 510.2 | 510.1 | 510.0 | 509.9 | 509.9 | 509.9 |
| 145° | 535.4 | 535.8 | 536.3 | 536.8 | 537.1 | 537.2 | 537.3 | 537.4 | 537.5 | 537.4 | 537.3 |
| 147.5° | 560.8 | 561.4 | 561.9 | 562.6 | 562.8 | 562.7 | 562.6 | 562.5 | 562.4 | 562.3 | 562.2 |
| 150° | 576.3 | 576.7 | 577.2 | 577.7 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 152.5° | 590.7 | 591.0 | 591.3 | 591.5 | 591.7 | 591.8 | 591.9 | 592.0 | 592.1 | 592.4 | 592.7 |
| 155° | 612.8 | 612.8 | 612.8 | 612.8 | 612.7 | 612.7 | 612.6 | 612.5 | 612.3 | 612.7 | 613.2 |
| 157.5° | 631.5 | 631.3 | 631.1 | 630.9 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 631.0 | 631.4 |
| 160° | 642.8 | 642.7 | 642.6 | 642.4 | 642.3 | 642.2 | 642.2 | 642.0 | 641.9 | 642.2 | 642.6 |
| 162.5° | 653.0 | 652.6 | 652.3 | 652.1 | 651.8 | 651.7 | 651.6 | 651.5 | 651.3 | 652.0 | 652.6 |
| 165° | 666.8 | 666.4 | 666.1 | 665.7 | 665.4 | 665.2 | 665.0 | 664.7 | 664.5 | 665.2 | 665.9 |
| 167.5° | 677.3 | 676.7 | 676.3 | 675.8 | 675.5 | 675.5 | 675.6 | 675.6 | 675.6 | 676.4 | 677.0 |
| 170° | 683.2 | 682.6 | 682.0 | 681.4 | 681.2 | 681.3 | 681.4 | 681.6 | 681.6 | 682.4 | 683.1 |
| 172.5° | 687.6 | 687.1 | 686.6 | 686.1 | 685.9 | 685.9 | 685.9 | 685.9 | 686.0 | 686.7 | 687.6 |
| 175° | 693.4 | 692.9 | 692.2 | 691.6 | 691.3 | 691.2 | 691.1 | 690.9 | 690.8 | 691.6 | 692.5 |
| 177.5° | 695.5 | 695.0 | 694.6 | 694.0 | 693.8 | 693.8 | 693.8 | 693.8 | 693.8 | 694.5 | 695.1 |
| 180° | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 | 1572.9 |
| 2.5° | 1657.9 | 1659.0 | 1663.6 | 1667.3 | 1668.3 | 1673.6 | 1674.0 |
| 5° | 1803.6 | 1814.7 | 1836.2 | 1838.1 | 1841.4 | 1858.3 | 1845.3 |
| 7.5° | 1974.3 | 2002.4 | 2021.2 | 2037.8 | 2043.8 | 2051.2 | 2049.7 |
| 10° | 2083.8 | 2125.4 | 2146.4 | 2179.5 | 2180.9 | 2189.3 | 2184.2 |
| 12.5° | 2193.8 | 2242.2 | 2280.3 | 2286.4 | 2314.3 | 2318.6 | 2325.9 |
| 15° | 2349.6 | 2401.1 | 2453.9 | 2472.8 | 2511.2 | 2520.4 | 2534.7 |
| 17.5° | 2496.1 | 2548.7 | 2585.8 | 2634.6 | 2650.4 | 2671.5 | 2657.1 |
| 20° | 2576.3 | 2633.7 | 2680.6 | 2719.0 | 2735.4 | 2747.0 | 2745.8 |
| 22.5° | 2624.9 | 2682.7 | 2720.7 | 2749.8 | 2765.0 | 2770.0 | 2769.8 |
| 25° | 2655.2 | 2688.4 | 2700.2 | 2711.2 | 2694.4 | 2688.4 | 2691.1 |
| 27.5° | 2570.8 | 2562.2 | 2531.6 | 2491.4 | 2449.7 | 2416.6 | 2398.6 |
| 30° | 2454.6 | 2403.7 | 2357.4 | 2276.6 | 2235.0 | 2210.2 | 2188.0 |
| 32.5° | 2289.8 | 2209.2 | 2120.2 | 2046.3 | 1998.8 | 1962.1 | 1956.6 |
| 35° | 2007.5 | 1886.3 | 1777.5 | 1687.0 | 1640.0 | 1600.2 | 1591.2 |
| 37.5° | 1706.8 | 1580.8 | 1482.9 | 1403.2 | 1352.7 | 1324.6 | 1298.4 |
| 40° | 1507.1 | 1398.9 | 1302.5 | 1234.7 | 1196.3 | 1176.1 | 1159.8 |
| 42.5° | 1353.3 | 1254.5 | 1158.7 | 1107.0 | 1072.2 | 1059.9 | 1050.4 |
| 45° | 1140.9 | 1049.0 | 982.6 | 943.5 | 923.3 | 902.5 | 892.7 |
| 47.5° | 970.8 | 896.1 | 852.2 | 819.1 | 797.4 | 785.0 | 778.7 |
| 50° | 874.4 | 813.1 | 774.1 | 748.7 | 729.2 | 719.3 | 714.2 |
| 52.5° | 788.9 | 738.7 | 705.8 | 685.6 | 672.3 | 665.2 | 663.1 |
| 55° | 679.6 | 641.1 | 620.3 | 602.8 | 593.0 | 586.4 | 583.8 |
| 57.5° | 590.7 | 561.2 | 544.2 | 529.7 | 525.9 | 520.5 | 518.7 |
| 60° | 532.3 | 509.5 | 495.2 | 485.4 | 482.2 | 475.7 | 476.9 |
| 62.5° | 480.7 | 462.1 | 449.9 | 444.2 | 440.0 | 434.5 | 436.3 |
| 65° | 406.6 | 392.9 | 386.3 | 381.2 | 376.0 | 372.7 | 375.3 |
| 67.5° | 341.2 | 331.8 | 322.9 | 319.9 | 317.4 | 316.8 | 314.1 |
| 70° | 298.4 | 290.6 | 282.8 | 280.9 | 280.9 | 278.2 | 277.6 |
| 72.5° | 257.2 | 251.5 | 246.3 | 244.9 | 242.8 | 243.8 | 241.1 |
| 75° | 198.7 | 194.2 | 192.2 | 190.3 | 189.6 | 189.6 | 187.7 |
| 77.5° | 146.8 | 143.5 | 140.3 | 140.3 | 138.0 | 137.1 | 136.9 |
| 80° | 111.4 | 110.1 | 107.5 | 107.5 | 106.2 | 106.9 | 105.6 |
| 82.5° | 83.8 | 82.0 | 81.4 | 80.4 | 78.6 | 78.7 | 77.4 |
| 85° | 45.0 | 43.0 | 42.3 | 40.4 | 39.1 | 40.4 | 39.1 |
| 87.5° | 18.5 | 18.1 | 17.6 | 16.6 | 16.1 | 16.2 | 14.7 |
| 90° | 13.9 | 14.7 | 15.2 | 15.5 | 15.6 | 15.9 | 16.1 |
| 92.5° | 22.6 | 23.0 | 23.3 | 23.5 | 23.6 | 23.8 | 23.8 |
| 95° | 41.9 | 42.3 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| 97.5° | 65.9 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 100° | 82.9 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 102.5° | 101.3 | 101.6 | 101.9 | 102.0 | 102.1 | 102.2 | 102.3 |
| 105° | 129.0 | 129.4 | 129.7 | 130.1 | 130.4 | 130.8 | 131.2 |
| 107.5° | 158.9 | 159.3 | 159.5 | 159.4 | 159.4 | 159.4 | 159.4 |
| 110° | 178.3 | 178.0 | 178.1 | 178.5 | 178.8 | 179.2 | 179.6 |



TEST NUMBER: P332635-830

CATALOG NUMBER: SA4XXDIP-C1020D590U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 199.9 | 199.9 | 199.9 | 200.0 | 200.0 | 200.1 | 200.2 |
| 115° | 233.0 | 232.8 | 232.7 | 232.6 | 232.4 | 232.3 | 232.2 |
| 117.5° | 264.5 | 264.0 | 263.7 | 263.4 | 263.3 | 263.0 | 262.8 |
| 120° | 285.8 | 285.2 | 285.0 | 285.3 | 285.5 | 285.8 | 286.0 |
| 122.5° | 307.9 | 307.5 | 307.1 | 306.6 | 306.2 | 305.8 | 305.4 |
| 125° | 340.1 | 339.9 | 339.6 | 339.4 | 339.1 | 338.9 | 338.7 |
| 127.5° | 370.8 | 370.5 | 370.3 | 370.1 | 369.9 | 369.8 | 369.6 |
| 130° | 392.3 | 392.0 | 391.6 | 391.2 | 390.7 | 390.2 | 389.7 |
| 132.5° | 412.5 | 412.3 | 412.0 | 411.8 | 411.6 | 411.4 | 411.2 |
| 135° | 442.8 | 442.5 | 442.2 | 441.9 | 441.5 | 441.2 | 440.8 |
| 137.5° | 472.0 | 471.7 | 471.6 | 471.6 | 471.7 | 471.8 | 471.9 |
| 140° | 491.5 | 491.4 | 491.3 | 491.2 | 491.1 | 491.0 | 490.8 |
| 142.5° | 509.9 | 509.8 | 509.8 | 509.8 | 509.8 | 509.7 | 509.7 |
| 145° | 537.2 | 537.1 | 536.9 | 536.5 | 536.1 | 535.7 | 535.5 |
| 147.5° | 562.1 | 562.0 | 561.9 | 561.8 | 561.7 | 561.6 | 561.5 |
| 150° | 577.9 | 577.9 | 577.9 | 577.7 | 577.6 | 577.5 | 577.4 |
| 152.5° | 593.0 | 593.2 | 593.2 | 593.0 | 592.6 | 592.3 | 592.0 |
| 155° | 613.7 | 614.3 | 614.3 | 613.7 | 613.2 | 612.7 | 612.3 |
| 157.5° | 631.8 | 632.2 | 632.1 | 631.7 | 631.3 | 630.8 | 630.5 |
| 160° | 642.9 | 643.3 | 643.2 | 642.6 | 642.0 | 641.4 | 640.8 |
| 162.5° | 653.3 | 653.9 | 653.9 | 653.4 | 652.7 | 652.1 | 651.6 |
| 165° | 666.6 | 667.3 | 667.4 | 666.9 | 666.5 | 666.0 | 665.5 |
| 167.5° | 677.8 | 678.5 | 678.4 | 677.8 | 677.0 | 676.3 | 675.5 |
| 170° | 683.8 | 684.5 | 684.5 | 683.6 | 682.8 | 681.9 | 681.1 |
| 172.5° | 688.4 | 689.2 | 689.2 | 688.3 | 687.5 | 686.6 | 685.9 |
| 175° | 693.3 | 694.1 | 694.1 | 693.3 | 692.5 | 691.6 | 690.8 |
| 177.5° | 695.8 | 696.4 | 696.4 | 695.7 | 694.9 | 694.1 | 693.3 |
| 180° | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 | 695.1 |

(END OF REPORT)