

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: P332046-840

Luminaire Tested: **S123DIP-S1165D365U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332046-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1165D365U840-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6204.3 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

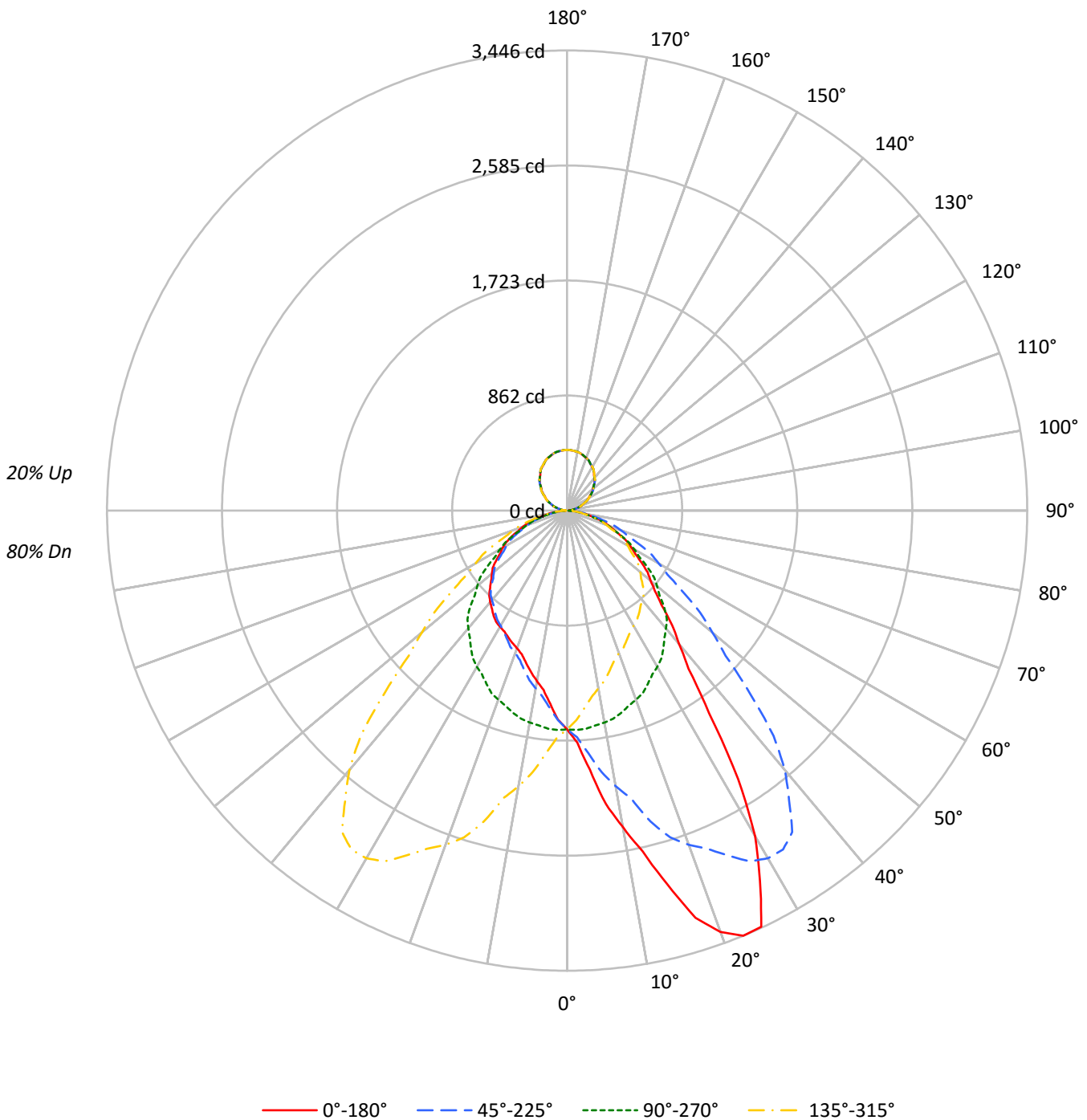
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 100 | 100 | 100 | 91 | 91 | 91 | 83 | 83 | 83 | 80 |
| 1 | 105 | 101 | 97 | 93 | 100 | 96 | 93 | 90 | 88 | 86 | 83 | 81 | 79 | 77 | 74 | 73 | 71 | 68 |
| 2 | 96 | 88 | 82 | 77 | 91 | 85 | 79 | 74 | 78 | 74 | 70 | 72 | 68 | 65 | 66 | 63 | 61 | 58 |
| 3 | 88 | 78 | 71 | 65 | 84 | 75 | 68 | 63 | 69 | 64 | 59 | 64 | 59 | 56 | 59 | 55 | 52 | 49 |
| 4 | 81 | 69 | 61 | 55 | 77 | 67 | 59 | 54 | 62 | 56 | 51 | 57 | 52 | 48 | 53 | 49 | 45 | 43 |
| 5 | 74 | 62 | 54 | 48 | 71 | 60 | 52 | 46 | 56 | 49 | 44 | 52 | 46 | 42 | 48 | 43 | 40 | 37 |
| 6 | 69 | 56 | 48 | 42 | 65 | 54 | 46 | 41 | 50 | 44 | 39 | 47 | 41 | 37 | 43 | 39 | 35 | 33 |
| 7 | 64 | 51 | 43 | 37 | 61 | 49 | 41 | 36 | 46 | 39 | 34 | 43 | 37 | 33 | 40 | 35 | 31 | 29 |
| 8 | 59 | 46 | 38 | 33 | 56 | 45 | 37 | 32 | 42 | 35 | 31 | 39 | 34 | 29 | 37 | 32 | 28 | 26 |
| 9 | 55 | 42 | 35 | 29 | 53 | 41 | 34 | 29 | 39 | 32 | 28 | 36 | 31 | 27 | 34 | 29 | 25 | 23 |
| 10 | 52 | 39 | 32 | 27 | 49 | 38 | 31 | 26 | 36 | 29 | 25 | 33 | 28 | 24 | 31 | 27 | 23 | 21 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 17632 | 17632 | 17632 | 17632 |
| 5° | 21028 | 17708 | 15693 | 17708 |
| 10° | 26319 | 17618 | 14175 | 17618 |
| 15° | 32282 | 17477 | 13196 | 17477 |
| 20° | 38456 | 17255 | 12564 | 17255 |
| 25° | 40834 | 16986 | 12423 | 16986 |
| 30° | 34999 | 16789 | 12489 | 16789 |
| 35° | 24341 | 16509 | 12620 | 16509 |
| 40° | 18334 | 16183 | 12579 | 16183 |
| 45° | 15224 | 15694 | 12420 | 15694 |
| 50° | 13638 | 14699 | 12308 | 14699 |
| 55° | 12748 | 13628 | 12153 | 13628 |
| 60° | 11959 | 12508 | 12030 | 12508 |
| 65° | 11240 | 11403 | 11645 | 11403 |
| 70° | 10543 | 10140 | 11087 | 10140 |
| 75° | 9441 | 8879 | 10168 | 8879 |
| 80° | 8263 | 7277 | 8759 | 7277 |
| 85° | 6472 | 5286 | 5891 | 5286 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 161.4 | 2.6 |
| 10°-20° | 517.4 | 8.3 |
| 20°-30° | 868.4 | 14.0 |
| 30°-40° | 983.3 | 15.8 |
| 40°-50° | 881.8 | 14.2 |
| 50°-60° | 711.6 | 11.5 |
| 60°-70° | 495.9 | 8.0 |
| 70°-80° | 260.6 | 4.2 |
| 80°-90° | 65.1 | 1.0 |
| 90°-100° | 29.6 | 0.5 |
| 100°-110° | 88.6 | 1.4 |
| 110°-120° | 150.7 | 2.4 |
| 120°-130° | 198.2 | 3.2 |
| 130°-140° | 222.7 | 3.6 |
| 140°-150° | 219.0 | 3.5 |
| 150°-160° | 184.3 | 3.0 |
| 160°-170° | 122.7 | 2.0 |
| 170°-180° | 43.0 | 0.7 |
| 0°-30° | 1547.2 | 24.9 |
| 0°-40° | 2530.6 | 40.8 |
| 0°-60° | 4124.0 | 66.5 |
| 0°-90° | 4945.6 | 79.7 |
| 90°-120° | 268.8 | 4.3 |
| 90°-150° | 908.7 | 14.6 |
| 90°-180° | 1259.0 | 20.3 |
| 0°-180° | 6204.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1638 | 1638 | 1638 | 1638 | 1638 | |
| 5° | 1946 | 1639 | 1452 | 1639 | 1946 | 202 |
| 15° | 2897 | 1568 | 1184 | 1568 | 2897 | 836 |
| 25° | 3438 | 1430 | 1046 | 1430 | 3438 | 1508 |
| 35° | 1852 | 1256 | 960 | 1256 | 1852 | 1204 |
| 45° | 1000 | 1031 | 816 | 1031 | 1000 | 791 |
| 55° | 679 | 726 | 648 | 726 | 679 | 610 |
| 65° | 441 | 448 | 457 | 448 | 441 | 439 |
| 75° | 227 | 214 | 244 | 214 | 227 | 243 |
| 85° | 52 | 43 | 48 | 43 | 52 | 62 |
| 90° | 11 | 0 | 11 | 0 | 11 | 8 |
| 95° | 28 | 21 | 28 | 21 | 28 | 29 |
| 105° | 85 | 80 | 85 | 80 | 85 | 90 |
| 115° | 152 | 152 | 152 | 152 | 152 | 151 |
| 125° | 219 | 222 | 219 | 222 | 219 | 196 |
| 135° | 288 | 288 | 288 | 288 | 288 | 221 |
| 145° | 349 | 349 | 349 | 349 | 349 | 218 |
| 155° | 399 | 400 | 399 | 400 | 399 | 184 |
| 165° | 434 | 436 | 434 | 436 | 434 | 122 |
| 175° | 451 | 453 | 451 | 453 | 451 | 43 |
| 180° | 454 | 454 | 454 | 454 | 454 | |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 |
| 2.5° | 1738.5 | 1737.2 | 1734.0 | 1736.6 | 1731.5 | 1724.4 | 1723.8 | 1717.5 | 1699.1 | 1697.8 | 1692.7 |
| 5° | 1946.1 | 1939.7 | 1938.9 | 1938.1 | 1927.0 | 1912.0 | 1883.4 | 1881.0 | 1842.9 | 1823.8 | 1800.9 |
| 7.5° | 2214.9 | 2218.3 | 2206.8 | 2196.6 | 2162.6 | 2140.2 | 2109.6 | 2070.4 | 2023.6 | 1976.1 | 1944.5 |
| 10° | 2408.0 | 2434.2 | 2401.7 | 2379.4 | 2358.8 | 2319.9 | 2274.7 | 2218.3 | 2161.9 | 2096.1 | 2046.1 |
| 12.5° | 2615.0 | 2627.9 | 2621.3 | 2600.4 | 2568.3 | 2509.1 | 2428.9 | 2366.9 | 2315.0 | 2205.3 | 2161.0 |
| 15° | 2896.9 | 2945.4 | 2914.4 | 2843.0 | 2844.5 | 2788.1 | 2683.4 | 2568.3 | 2507.2 | 2411.2 | 2280.3 |
| 17.5° | 3197.2 | 3203.3 | 3190.1 | 3130.6 | 3090.9 | 3013.4 | 2916.8 | 2806.4 | 2682.6 | 2566.5 | 2427.5 |
| 20° | 3357.2 | 3352.4 | 3324.7 | 3293.8 | 3225.5 | 3165.2 | 3059.6 | 2936.6 | 2777.8 | 2663.6 | 2511.9 |
| 22.5° | 3446.2 | 3438.2 | 3425.1 | 3399.1 | 3342.4 | 3277.5 | 3182.8 | 3048.4 | 2897.2 | 2739.8 | 2564.7 |
| 25° | 3438.2 | 3448.5 | 3450.1 | 3442.9 | 3423.1 | 3384.3 | 3309.6 | 3202.5 | 3051.7 | 2849.3 | 2666.8 |
| 27.5° | 3127.0 | 3141.7 | 3184.1 | 3221.7 | 3263.8 | 3306.6 | 3300.8 | 3247.7 | 3136.1 | 2961.3 | 2738.1 |
| 30° | 2815.9 | 2784.2 | 2862.8 | 2962.0 | 3029.5 | 3148.5 | 3215.2 | 3219.1 | 3156.4 | 3006.5 | 2788.9 |
| 32.5° | 2384.2 | 2419.1 | 2453.9 | 2576.0 | 2723.4 | 2857.1 | 2989.8 | 3096.7 | 3108.9 | 3009.0 | 2818.8 |
| 35° | 1852.4 | 1896.1 | 1959.5 | 2023.1 | 2181.8 | 2318.3 | 2551.6 | 2754.8 | 2916.8 | 2938.2 | 2821.5 |
| 37.5° | 1492.8 | 1514.3 | 1554.5 | 1618.1 | 1721.9 | 1883.9 | 2064.4 | 2321.2 | 2555.8 | 2730.3 | 2737.8 |
| 40° | 1304.8 | 1311.1 | 1356.3 | 1404.8 | 1488.9 | 1622.2 | 1784.9 | 2012.0 | 2292.9 | 2536.6 | 2638.2 |
| 42.5° | 1163.9 | 1177.8 | 1197.0 | 1243.5 | 1310.5 | 1410.9 | 1562.2 | 1749.7 | 2007.2 | 2287.6 | 2486.4 |
| 45° | 1000.1 | 1015.9 | 1027.8 | 1058.7 | 1106.4 | 1173.9 | 1279.4 | 1450.9 | 1646.9 | 1936.5 | 2204.0 |
| 47.5° | 891.8 | 893.0 | 901.9 | 925.2 | 957.7 | 1008.2 | 1082.9 | 1193.1 | 1373.0 | 1608.0 | 1882.6 |
| 50° | 814.4 | 827.0 | 830.2 | 848.4 | 873.8 | 911.1 | 973.0 | 1066.7 | 1214.4 | 1420.7 | 1673.0 |
| 52.5° | 759.7 | 763.6 | 772.4 | 785.6 | 807.8 | 836.9 | 890.5 | 963.8 | 1079.7 | 1255.6 | 1487.6 |
| 55° | 679.3 | 679.3 | 688.1 | 698.4 | 711.1 | 737.3 | 773.1 | 827.0 | 915.1 | 1051.6 | 1243.6 |
| 57.5° | 605.1 | 609.0 | 615.2 | 618.4 | 629.2 | 646.5 | 676.4 | 717.3 | 783.0 | 888.1 | 1040.9 |
| 60° | 555.5 | 562.7 | 561.9 | 568.3 | 577.8 | 591.3 | 616.7 | 650.1 | 708.7 | 792.8 | 921.5 |
| 62.5° | 512.4 | 511.9 | 511.8 | 519.4 | 528.9 | 541.8 | 558.3 | 587.1 | 637.0 | 711.7 | 821.1 |
| 65° | 441.3 | 439.7 | 445.2 | 450.0 | 453.2 | 462.7 | 475.4 | 500.8 | 534.1 | 589.7 | 674.6 |
| 67.5° | 378.1 | 373.5 | 376.5 | 378.1 | 383.5 | 390.9 | 402.8 | 418.6 | 445.0 | 489.7 | 553.7 |
| 70° | 335.0 | 330.9 | 330.1 | 331.7 | 336.5 | 342.0 | 350.8 | 365.9 | 390.5 | 426.2 | 473.0 |
| 72.5° | 290.4 | 287.8 | 287.6 | 291.1 | 293.4 | 297.0 | 303.2 | 317.0 | 336.5 | 363.3 | 407.0 |
| 75° | 227.0 | 227.0 | 227.0 | 227.8 | 230.1 | 233.4 | 238.1 | 245.2 | 260.3 | 279.3 | 308.7 |
| 77.5° | 170.2 | 170.0 | 169.1 | 168.8 | 172.4 | 173.8 | 174.9 | 181.6 | 190.0 | 202.9 | 224.3 |
| 80° | 133.3 | 129.4 | 131.0 | 133.3 | 134.9 | 135.7 | 138.1 | 139.7 | 146.8 | 154.0 | 169.1 |
| 82.5° | 99.1 | 95.7 | 96.0 | 99.7 | 100.0 | 100.8 | 103.2 | 105.4 | 108.1 | 114.6 | 122.7 |
| 85° | 52.4 | 52.4 | 53.2 | 53.2 | 53.9 | 53.2 | 55.5 | 56.4 | 56.4 | 60.3 | 65.0 |
| 87.5° | 21.2 | 19.9 | 20.5 | 21.1 | 20.4 | 21.0 | 21.6 | 22.1 | 22.7 | 23.3 | 23.7 |
| 90° | 10.7 | 10.5 | 10.4 | 10.2 | 10.1 | 9.8 | 9.5 | 9.2 | 8.9 | 8.6 | 7.6 |
| 92.5° | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.7 | 14.4 | 14.2 | 13.9 | 13.7 | 13.1 |
| 95° | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.7 | 27.4 | 27.1 | 26.8 | 26.5 | 25.8 |
| 97.5° | 42.8 | 42.8 | 42.9 | 42.9 | 42.9 | 42.8 | 42.4 | 42.0 | 41.7 | 41.3 | 40.9 |
| 100° | 54.2 | 54.1 | 53.9 | 53.7 | 53.6 | 53.4 | 53.2 | 52.9 | 52.7 | 52.4 | 52.1 |
| 102.5° | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 65.9 | 65.7 | 65.5 | 65.2 | 65.0 | 64.5 |
| 105° | 84.9 | 84.8 | 84.6 | 84.4 | 84.3 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 83.5 |
| 107.5° | 104.7 | 104.8 | 104.9 | 105.0 | 105.1 | 105.0 | 104.7 | 104.5 | 104.2 | 104.0 | 103.7 |
| 110° | 118.2 | 118.3 | 118.5 | 118.6 | 118.8 | 118.7 | 118.4 | 118.1 | 117.8 | 117.4 | 117.2 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.4 | 132.4 | 132.5 | 132.5 | 132.5 | 132.4 | 132.0 | 131.6 | 131.2 | 130.9 | 130.8 |
| 115° | 152.0 | 152.1 | 152.2 | 152.3 | 152.4 | 152.4 | 152.3 | 152.2 | 152.1 | 152.0 | 152.2 |
| 117.5° | 172.0 | 172.2 | 172.4 | 172.6 | 172.8 | 173.0 | 173.0 | 173.0 | 173.0 | 173.0 | 173.2 |
| 120° | 185.9 | 186.1 | 186.2 | 186.4 | 186.5 | 186.7 | 186.7 | 186.8 | 186.9 | 187.0 | 187.4 |
| 122.5° | 199.3 | 199.5 | 199.8 | 200.1 | 200.3 | 200.5 | 200.7 | 200.9 | 201.1 | 201.3 | 201.5 |
| 125° | 219.4 | 219.7 | 220.2 | 220.5 | 220.8 | 221.1 | 221.4 | 221.7 | 222.0 | 222.4 | 222.5 |
| 127.5° | 239.5 | 239.9 | 240.2 | 240.7 | 241.0 | 241.4 | 241.9 | 242.3 | 242.8 | 243.2 | 243.4 |
| 130° | 252.7 | 253.3 | 253.8 | 254.4 | 254.9 | 255.3 | 255.6 | 256.0 | 256.3 | 256.6 | 256.8 |
| 132.5° | 266.4 | 266.8 | 267.2 | 267.6 | 268.1 | 268.5 | 268.8 | 269.2 | 269.6 | 270.0 | 270.1 |
| 135° | 287.6 | 287.8 | 287.9 | 288.1 | 288.3 | 288.5 | 288.8 | 289.1 | 289.4 | 289.8 | 289.8 |
| 137.5° | 306.4 | 306.7 | 307.0 | 307.3 | 307.6 | 307.9 | 308.3 | 308.6 | 308.9 | 309.2 | 309.0 |
| 140° | 318.7 | 319.2 | 319.8 | 320.3 | 320.9 | 321.2 | 321.3 | 321.3 | 321.4 | 321.5 | 321.4 |
| 142.5° | 331.2 | 331.6 | 332.1 | 332.5 | 333.0 | 333.3 | 333.3 | 333.4 | 333.5 | 333.6 | 333.4 |
| 145° | 349.4 | 349.7 | 350.0 | 350.3 | 350.6 | 350.8 | 350.9 | 351.0 | 351.1 | 351.1 | 350.9 |
| 147.5° | 365.5 | 366.0 | 366.5 | 367.0 | 367.4 | 367.7 | 367.7 | 367.7 | 367.7 | 367.7 | 367.4 |
| 150° | 375.8 | 376.3 | 376.8 | 377.2 | 377.7 | 377.9 | 377.9 | 377.9 | 377.9 | 377.9 | 377.8 |
| 152.5° | 385.8 | 386.2 | 386.6 | 387.0 | 387.4 | 387.6 | 387.5 | 387.3 | 387.2 | 387.1 | 387.0 |
| 155° | 399.3 | 399.9 | 400.4 | 401.0 | 401.5 | 401.7 | 401.3 | 401.0 | 400.7 | 400.4 | 400.3 |
| 157.5° | 411.7 | 412.1 | 412.6 | 413.0 | 413.4 | 413.5 | 413.2 | 412.8 | 412.5 | 412.2 | 412.1 |
| 160° | 419.7 | 420.0 | 420.3 | 420.6 | 420.9 | 420.9 | 420.5 | 420.1 | 419.7 | 419.3 | 419.3 |
| 162.5° | 425.7 | 426.2 | 426.7 | 427.2 | 427.7 | 427.8 | 427.4 | 427.0 | 426.6 | 426.2 | 426.2 |
| 165° | 434.3 | 434.8 | 435.5 | 436.0 | 436.6 | 436.6 | 436.1 | 435.7 | 435.2 | 434.6 | 434.6 |
| 167.5° | 441.7 | 442.1 | 442.6 | 443.1 | 443.6 | 443.6 | 443.1 | 442.6 | 442.1 | 441.7 | 441.6 |
| 170° | 445.4 | 446.0 | 446.5 | 447.1 | 447.6 | 447.6 | 447.1 | 446.5 | 446.0 | 445.4 | 445.4 |
| 172.5° | 448.3 | 448.8 | 449.4 | 449.9 | 450.5 | 450.5 | 450.0 | 449.5 | 449.0 | 448.5 | 448.5 |
| 175° | 451.4 | 452.0 | 452.5 | 453.1 | 453.6 | 453.7 | 453.2 | 452.7 | 452.3 | 451.8 | 451.8 |
| 177.5° | 453.1 | 453.6 | 454.0 | 454.5 | 454.9 | 454.9 | 454.5 | 454.2 | 453.8 | 453.4 | 453.4 |
| 180° | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 |
| 2.5° | 1688.9 | 1683.8 | 1678.8 | 1669.9 | 1662.2 | 1651.4 | 1648.3 | 1644.5 | 1633.1 | 1623.0 | 1615.3 |
| 5° | 1792.1 | 1773.0 | 1745.2 | 1719.9 | 1699.3 | 1671.5 | 1655.6 | 1638.9 | 1615.1 | 1593.7 | 1576.2 |
| 7.5° | 1900.1 | 1862.6 | 1819.4 | 1772.7 | 1729.3 | 1687.4 | 1653.6 | 1623.4 | 1590.0 | 1558.4 | 1533.9 |
| 10° | 1985.8 | 1931.8 | 1871.5 | 1806.4 | 1750.8 | 1696.9 | 1651.6 | 1611.9 | 1569.1 | 1531.8 | 1500.9 |
| 12.5° | 2083.6 | 2003.6 | 1920.4 | 1841.3 | 1775.6 | 1700.7 | 1645.9 | 1595.5 | 1546.9 | 1502.0 | 1467.2 |
| 15° | 2199.3 | 2097.7 | 1999.2 | 1890.6 | 1790.5 | 1696.9 | 1631.8 | 1568.3 | 1512.0 | 1465.9 | 1421.5 |
| 17.5° | 2304.7 | 2189.6 | 2059.9 | 1927.6 | 1807.1 | 1696.0 | 1604.8 | 1533.1 | 1462.6 | 1406.2 | 1361.9 |
| 20° | 2364.4 | 2233.4 | 2086.6 | 1949.2 | 1815.9 | 1692.1 | 1592.2 | 1506.4 | 1430.2 | 1370.7 | 1320.7 |
| 22.5° | 2415.8 | 2262.6 | 2110.7 | 1963.9 | 1815.3 | 1681.9 | 1568.6 | 1480.4 | 1397.9 | 1339.6 | 1286.4 |
| 25° | 2469.1 | 2285.8 | 2133.4 | 1961.2 | 1795.3 | 1657.2 | 1530.2 | 1430.2 | 1347.7 | 1279.4 | 1224.7 |
| 27.5° | 2514.9 | 2284.2 | 2103.3 | 1918.1 | 1763.8 | 1625.5 | 1489.9 | 1382.6 | 1294.9 | 1220.8 | 1165.3 |
| 30° | 2545.3 | 2287.3 | 2072.2 | 1889.0 | 1733.4 | 1590.5 | 1458.8 | 1350.8 | 1258.8 | 1183.4 | 1130.9 |
| 32.5° | 2564.4 | 2285.4 | 2043.7 | 1848.4 | 1685.2 | 1558.7 | 1425.1 | 1313.3 | 1218.8 | 1144.7 | 1094.2 |
| 35° | 2575.5 | 2271.5 | 1994.5 | 1764.3 | 1607.2 | 1484.2 | 1372.3 | 1256.4 | 1157.2 | 1088.1 | 1031.0 |
| 37.5° | 2553.2 | 2242.1 | 1937.3 | 1683.3 | 1511.4 | 1390.2 | 1296.1 | 1197.3 | 1102.4 | 1026.4 | 977.1 |
| 40° | 2518.3 | 2223.1 | 1892.9 | 1626.3 | 1445.3 | 1328.6 | 1248.5 | 1151.7 | 1057.9 | 985.7 | 939.7 |
| 42.5° | 2451.6 | 2184.3 | 1844.0 | 1562.8 | 1376.7 | 1260.0 | 1186.2 | 1105.3 | 1016.7 | 948.9 | 902.9 |
| 45° | 2289.0 | 2100.0 | 1770.7 | 1467.5 | 1275.5 | 1154.8 | 1089.7 | 1031.0 | 950.8 | 884.9 | 845.3 |
| 47.5° | 2063.3 | 1973.3 | 1664.7 | 1367.1 | 1169.7 | 1053.7 | 986.0 | 938.8 | 880.2 | 827.0 | 788.9 |
| 50° | 1906.4 | 1869.1 | 1592.9 | 1298.5 | 1099.2 | 985.7 | 920.7 | 877.8 | 835.8 | 782.5 | 747.6 |
| 52.5° | 1725.5 | 1748.5 | 1509.1 | 1227.3 | 1027.5 | 915.9 | 854.6 | 820.6 | 782.4 | 738.7 | 708.3 |
| 55° | 1470.7 | 1554.0 | 1364.3 | 1107.9 | 920.7 | 814.4 | 756.4 | 726.2 | 704.0 | 671.5 | 645.3 |
| 57.5° | 1232.1 | 1338.2 | 1207.8 | 984.9 | 815.8 | 724.0 | 668.4 | 635.6 | 621.3 | 604.3 | 583.7 |
| 60° | 1090.6 | 1195.3 | 1096.1 | 902.4 | 745.3 | 657.9 | 608.7 | 581.0 | 566.6 | 554.8 | 537.3 |
| 62.5° | 964.1 | 1070.2 | 986.8 | 818.6 | 676.0 | 595.1 | 552.2 | 525.1 | 514.0 | 507.8 | 492.9 |
| 65° | 790.5 | 881.8 | 826.2 | 688.1 | 577.0 | 505.5 | 466.7 | 447.7 | 437.3 | 434.9 | 425.5 |
| 67.5° | 643.4 | 712.9 | 672.4 | 570.8 | 483.3 | 421.6 | 388.6 | 372.4 | 364.5 | 363.7 | 356.5 |
| 70° | 546.8 | 611.9 | 581.0 | 488.9 | 413.5 | 365.1 | 336.5 | 322.2 | 317.5 | 316.7 | 312.8 |
| 72.5° | 471.9 | 517.4 | 492.7 | 415.9 | 357.6 | 313.7 | 292.7 | 277.8 | 272.4 | 273.5 | 270.8 |
| 75° | 349.2 | 383.3 | 369.1 | 315.9 | 269.0 | 240.4 | 223.0 | 213.5 | 208.7 | 211.2 | 207.9 |
| 77.5° | 251.3 | 272.9 | 260.0 | 223.2 | 194.3 | 173.7 | 160.8 | 154.9 | 150.7 | 150.5 | 149.1 |
| 80° | 189.7 | 202.4 | 195.2 | 173.0 | 149.3 | 131.8 | 121.4 | 117.4 | 115.1 | 114.3 | 113.5 |
| 82.5° | 135.1 | 145.9 | 137.4 | 122.2 | 106.0 | 95.5 | 89.7 | 84.4 | 82.7 | 83.2 | 82.4 |
| 85° | 68.3 | 72.2 | 69.1 | 59.5 | 53.2 | 48.4 | 45.2 | 42.8 | 41.3 | 42.1 | 40.5 |
| 87.5° | 24.8 | 25.2 | 23.1 | 20.4 | 19.0 | 16.9 | 16.8 | 15.3 | 14.2 | 14.3 | 13.8 |
| 90° | 6.5 | 5.5 | 4.4 | 3.5 | 2.7 | 1.9 | 1.1 | 0.4 | 1.1 | 1.9 | 2.7 |
| 92.5° | 12.5 | 11.9 | 11.3 | 10.8 | 10.3 | 9.7 | 9.2 | 8.7 | 9.2 | 9.7 | 10.3 |
| 95° | 25.1 | 24.5 | 23.8 | 23.2 | 22.7 | 22.1 | 21.6 | 21.1 | 21.6 | 22.1 | 22.7 |
| 97.5° | 40.4 | 40.0 | 39.5 | 39.1 | 38.7 | 38.3 | 37.8 | 37.4 | 37.8 | 38.3 | 38.7 |
| 100° | 51.7 | 51.3 | 50.9 | 50.4 | 50.0 | 49.5 | 49.0 | 48.6 | 49.0 | 49.5 | 50.0 |
| 102.5° | 64.0 | 63.4 | 62.9 | 62.5 | 62.2 | 61.9 | 61.7 | 61.4 | 61.7 | 61.9 | 62.2 |
| 105° | 82.8 | 82.1 | 81.4 | 80.9 | 80.8 | 80.6 | 80.5 | 80.3 | 80.5 | 80.6 | 80.8 |
| 107.5° | 103.4 | 103.1 | 102.8 | 102.7 | 102.6 | 102.5 | 102.4 | 102.3 | 102.4 | 102.5 | 102.6 |
| 110° | 117.1 | 116.9 | 116.7 | 116.6 | 116.4 | 116.3 | 116.1 | 116.0 | 116.1 | 116.3 | 116.4 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 130.8 | 130.8 | 130.7 | 130.7 | 130.6 | 130.5 | 130.4 | 130.3 | 130.4 | 130.5 | 130.6 |
| 115° | 152.4 | 152.5 | 152.7 | 152.6 | 152.4 | 152.2 | 151.9 | 151.7 | 151.9 | 152.2 | 152.4 |
| 117.5° | 173.4 | 173.6 | 173.8 | 173.9 | 173.7 | 173.6 | 173.4 | 173.2 | 173.4 | 173.6 | 173.7 |
| 120° | 187.8 | 188.2 | 188.5 | 188.5 | 188.0 | 187.6 | 187.1 | 186.6 | 187.1 | 187.6 | 188.0 |
| 122.5° | 201.7 | 201.9 | 202.1 | 202.1 | 201.7 | 201.4 | 201.0 | 200.7 | 201.0 | 201.4 | 201.7 |
| 125° | 222.7 | 222.8 | 223.0 | 223.0 | 222.7 | 222.5 | 222.2 | 222.0 | 222.2 | 222.5 | 222.7 |
| 127.5° | 243.5 | 243.7 | 243.9 | 243.7 | 243.2 | 242.7 | 242.2 | 241.7 | 242.2 | 242.7 | 243.2 |
| 130° | 257.1 | 257.3 | 257.5 | 257.3 | 256.7 | 256.1 | 255.4 | 254.8 | 255.4 | 256.1 | 256.7 |
| 132.5° | 270.3 | 270.5 | 270.7 | 270.4 | 269.8 | 269.2 | 268.6 | 267.9 | 268.6 | 269.2 | 269.8 |
| 135° | 289.9 | 290.0 | 290.1 | 289.9 | 289.4 | 288.9 | 288.5 | 288.0 | 288.5 | 288.9 | 289.4 |
| 137.5° | 308.8 | 308.6 | 308.4 | 308.1 | 307.7 | 307.3 | 307.0 | 306.6 | 307.0 | 307.3 | 307.7 |
| 140° | 321.3 | 321.3 | 321.2 | 321.0 | 320.6 | 320.2 | 319.8 | 319.4 | 319.8 | 320.2 | 320.6 |
| 142.5° | 333.3 | 333.2 | 333.0 | 332.6 | 332.3 | 331.9 | 331.5 | 331.1 | 331.5 | 331.9 | 332.3 |
| 145° | 350.7 | 350.4 | 350.2 | 350.0 | 349.8 | 349.7 | 349.5 | 349.4 | 349.5 | 349.7 | 349.8 |
| 147.5° | 367.2 | 367.0 | 366.8 | 366.5 | 366.3 | 366.0 | 365.7 | 365.4 | 365.7 | 366.0 | 366.3 |
| 150° | 377.6 | 377.5 | 377.3 | 377.2 | 377.0 | 376.8 | 376.7 | 376.5 | 376.7 | 376.8 | 377.0 |
| 152.5° | 386.9 | 386.8 | 386.7 | 386.6 | 386.3 | 386.1 | 385.9 | 385.7 | 385.9 | 386.1 | 386.3 |
| 155° | 400.2 | 400.2 | 400.1 | 400.1 | 400.1 | 400.1 | 400.1 | 400.1 | 400.1 | 400.1 | 400.1 |
| 157.5° | 412.0 | 412.0 | 411.9 | 411.9 | 412.0 | 412.1 | 412.2 | 412.3 | 412.2 | 412.1 | 412.0 |
| 160° | 419.3 | 419.3 | 419.3 | 419.4 | 419.6 | 419.7 | 419.9 | 420.0 | 419.9 | 419.7 | 419.6 |
| 162.5° | 426.1 | 426.0 | 426.0 | 426.0 | 426.3 | 426.5 | 426.7 | 426.9 | 426.7 | 426.5 | 426.3 |
| 165° | 434.6 | 434.6 | 434.6 | 434.7 | 435.0 | 435.3 | 435.6 | 435.8 | 435.6 | 435.3 | 435.0 |
| 167.5° | 441.5 | 441.5 | 441.4 | 441.5 | 441.8 | 442.2 | 442.5 | 442.8 | 442.5 | 442.2 | 441.8 |
| 170° | 445.4 | 445.4 | 445.4 | 445.6 | 445.9 | 446.2 | 446.5 | 446.8 | 446.5 | 446.2 | 445.9 |
| 172.5° | 448.5 | 448.5 | 448.5 | 448.7 | 449.0 | 449.3 | 449.6 | 450.0 | 449.6 | 449.3 | 449.0 |
| 175° | 451.8 | 451.8 | 451.8 | 452.0 | 452.3 | 452.6 | 452.9 | 453.2 | 452.9 | 452.6 | 452.3 |
| 177.5° | 453.4 | 453.4 | 453.4 | 453.5 | 453.8 | 454.0 | 454.3 | 454.5 | 454.3 | 454.0 | 453.8 |
| 180° | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 |
| 2.5° | 1610.8 | 1606.4 | 1600.0 | 1590.5 | 1582.9 | 1570.8 | 1570.8 | 1572.8 | 1572.8 | 1572.2 | 1570.8 |
| 5° | 1562.0 | 1550.0 | 1535.8 | 1519.1 | 1501.7 | 1484.2 | 1481.0 | 1474.6 | 1469.9 | 1466.7 | 1462.8 |
| 7.5° | 1510.4 | 1489.2 | 1468.4 | 1445.1 | 1423.8 | 1406.2 | 1394.0 | 1383.8 | 1377.4 | 1370.4 | 1365.2 |
| 10° | 1475.4 | 1449.3 | 1424.6 | 1400.1 | 1373.0 | 1351.6 | 1338.2 | 1328.6 | 1321.5 | 1315.1 | 1311.9 |
| 12.5° | 1434.2 | 1404.2 | 1377.1 | 1353.7 | 1324.1 | 1302.1 | 1289.3 | 1284.8 | 1276.4 | 1263.0 | 1256.1 |
| 15° | 1373.8 | 1346.0 | 1313.5 | 1277.8 | 1263.5 | 1236.6 | 1221.4 | 1214.4 | 1209.5 | 1199.2 | 1196.1 |
| 17.5° | 1322.2 | 1285.9 | 1249.4 | 1222.7 | 1196.2 | 1174.3 | 1165.9 | 1157.0 | 1150.6 | 1142.3 | 1139.7 |
| 20° | 1281.0 | 1248.5 | 1215.1 | 1186.6 | 1158.7 | 1135.0 | 1127.8 | 1121.5 | 1115.1 | 1111.2 | 1107.9 |
| 22.5° | 1239.1 | 1206.6 | 1178.9 | 1152.3 | 1122.6 | 1107.0 | 1099.2 | 1092.3 | 1087.8 | 1085.1 | 1082.0 |
| 25° | 1180.2 | 1151.7 | 1120.6 | 1096.8 | 1073.1 | 1062.7 | 1057.9 | 1054.0 | 1050.9 | 1046.8 | 1046.0 |
| 27.5° | 1127.5 | 1096.4 | 1071.3 | 1049.0 | 1032.0 | 1023.4 | 1018.8 | 1016.8 | 1017.5 | 1019.0 | 1019.9 |
| 30° | 1088.1 | 1059.6 | 1038.9 | 1019.9 | 1004.0 | 996.0 | 995.2 | 995.2 | 998.5 | 999.3 | 1000.8 |
| 32.5° | 1052.0 | 1028.4 | 1007.8 | 989.4 | 977.3 | 971.9 | 974.9 | 974.9 | 977.4 | 979.6 | 982.4 |
| 35° | 999.3 | 978.6 | 962.7 | 946.8 | 936.5 | 938.9 | 940.5 | 942.1 | 946.0 | 950.8 | 954.0 |
| 37.5° | 948.9 | 931.0 | 914.4 | 902.1 | 897.4 | 901.6 | 905.4 | 908.8 | 913.3 | 917.1 | 920.2 |
| 40° | 912.7 | 899.2 | 883.3 | 872.2 | 873.8 | 876.3 | 879.4 | 883.3 | 887.4 | 889.7 | 892.9 |
| 42.5° | 879.1 | 864.9 | 852.9 | 843.6 | 845.9 | 848.9 | 850.8 | 852.9 | 857.5 | 861.8 | 863.6 |
| 45° | 827.8 | 816.7 | 805.6 | 800.0 | 801.6 | 803.2 | 804.8 | 807.2 | 811.1 | 814.4 | 815.1 |
| 47.5° | 770.2 | 762.4 | 755.0 | 749.5 | 752.0 | 751.4 | 753.6 | 758.6 | 759.8 | 761.7 | 766.2 |
| 50° | 733.4 | 726.2 | 717.5 | 715.9 | 715.9 | 715.9 | 716.7 | 723.1 | 723.1 | 726.2 | 729.4 |
| 52.5° | 692.8 | 688.1 | 682.6 | 679.7 | 678.4 | 678.4 | 681.8 | 685.0 | 686.2 | 690.6 | 693.9 |
| 55° | 632.6 | 627.8 | 623.0 | 620.7 | 619.0 | 620.7 | 627.0 | 628.5 | 632.6 | 634.9 | 637.3 |
| 57.5° | 569.9 | 566.2 | 562.4 | 561.1 | 560.8 | 562.9 | 566.3 | 571.1 | 572.1 | 579.4 | 583.0 |
| 60° | 528.6 | 523.0 | 519.9 | 519.9 | 518.3 | 525.4 | 523.8 | 531.8 | 533.3 | 538.2 | 543.7 |
| 62.5° | 486.0 | 478.6 | 477.4 | 477.4 | 479.6 | 481.6 | 483.8 | 487.4 | 491.4 | 497.5 | 501.8 |
| 65° | 417.5 | 413.5 | 419.1 | 418.3 | 416.7 | 421.4 | 421.4 | 425.5 | 430.2 | 435.8 | 444.4 |
| 67.5° | 352.5 | 350.5 | 350.9 | 350.9 | 353.4 | 356.1 | 358.3 | 361.7 | 367.5 | 373.3 | 379.1 |
| 70° | 308.7 | 311.1 | 307.2 | 310.3 | 312.8 | 313.5 | 315.1 | 319.8 | 326.2 | 330.1 | 336.5 |
| 72.5° | 266.2 | 266.0 | 266.5 | 267.8 | 270.1 | 271.6 | 273.2 | 278.6 | 285.6 | 288.9 | 294.0 |
| 75° | 204.8 | 204.0 | 206.3 | 206.3 | 210.4 | 211.9 | 213.5 | 215.9 | 222.3 | 227.0 | 231.0 |
| 77.5° | 149.6 | 150.5 | 150.0 | 152.7 | 151.6 | 151.9 | 156.8 | 159.3 | 159.9 | 169.3 | 171.3 |
| 80° | 112.7 | 114.3 | 115.1 | 115.8 | 116.6 | 115.1 | 120.7 | 123.0 | 123.0 | 128.6 | 132.5 |
| 82.5° | 81.0 | 81.9 | 84.0 | 84.7 | 84.9 | 86.5 | 86.9 | 88.8 | 90.7 | 93.0 | 98.3 |
| 85° | 40.5 | 42.8 | 43.6 | 42.8 | 43.6 | 42.1 | 44.4 | 45.2 | 46.0 | 46.0 | 46.0 |
| 87.5° | 13.4 | 14.2 | 13.8 | 14.6 | 14.2 | 15.0 | 15.1 | 13.9 | 13.9 | 16.0 | 13.4 |
| 90° | 3.5 | 4.4 | 5.5 | 6.5 | 7.6 | 8.6 | 8.9 | 9.2 | 9.5 | 9.8 | 10.1 |
| 92.5° | 10.8 | 11.3 | 11.9 | 12.5 | 13.1 | 13.7 | 13.9 | 14.2 | 14.4 | 14.7 | 14.8 |
| 95° | 23.2 | 23.8 | 24.5 | 25.1 | 25.8 | 26.5 | 26.8 | 27.1 | 27.4 | 27.7 | 27.9 |
| 97.5° | 39.1 | 39.5 | 40.0 | 40.4 | 40.9 | 41.3 | 41.7 | 42.0 | 42.4 | 42.8 | 42.9 |
| 100° | 50.4 | 50.9 | 51.3 | 51.7 | 52.1 | 52.4 | 52.7 | 52.9 | 53.2 | 53.4 | 53.6 |
| 102.5° | 62.5 | 62.9 | 63.4 | 64.0 | 64.5 | 65.0 | 65.2 | 65.5 | 65.7 | 65.9 | 66.0 |
| 105° | 80.9 | 81.4 | 82.1 | 82.8 | 83.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 |
| 107.5° | 102.7 | 102.8 | 103.1 | 103.4 | 103.7 | 104.0 | 104.2 | 104.5 | 104.7 | 105.0 | 105.1 |
| 110° | 116.6 | 116.7 | 116.9 | 117.1 | 117.2 | 117.4 | 117.8 | 118.1 | 118.4 | 118.7 | 118.8 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 130.7 | 130.7 | 130.8 | 130.8 | 130.8 | 130.9 | 131.2 | 131.6 | 132.0 | 132.4 | 132.5 |
| 115° | 152.6 | 152.7 | 152.5 | 152.4 | 152.2 | 152.0 | 152.1 | 152.2 | 152.3 | 152.4 | 152.4 |
| 117.5° | 173.9 | 173.8 | 173.6 | 173.4 | 173.2 | 173.0 | 173.0 | 173.0 | 173.0 | 173.0 | 172.8 |
| 120° | 188.5 | 188.5 | 188.2 | 187.8 | 187.4 | 187.0 | 186.9 | 186.8 | 186.7 | 186.7 | 186.5 |
| 122.5° | 202.1 | 202.1 | 201.9 | 201.7 | 201.5 | 201.3 | 201.1 | 200.9 | 200.7 | 200.5 | 200.3 |
| 125° | 223.0 | 223.0 | 222.8 | 222.7 | 222.5 | 222.4 | 222.0 | 221.7 | 221.4 | 221.1 | 220.8 |
| 127.5° | 243.7 | 243.9 | 243.7 | 243.5 | 243.4 | 243.2 | 242.8 | 242.3 | 241.9 | 241.4 | 241.0 |
| 130° | 257.3 | 257.5 | 257.3 | 257.1 | 256.8 | 256.6 | 256.3 | 256.0 | 255.6 | 255.3 | 254.9 |
| 132.5° | 270.4 | 270.7 | 270.5 | 270.3 | 270.1 | 270.0 | 269.6 | 269.2 | 268.8 | 268.5 | 268.1 |
| 135° | 289.9 | 290.1 | 290.0 | 289.9 | 289.8 | 289.8 | 289.4 | 289.1 | 288.8 | 288.5 | 288.3 |
| 137.5° | 308.1 | 308.4 | 308.6 | 308.8 | 309.0 | 309.2 | 308.9 | 308.6 | 308.3 | 307.9 | 307.6 |
| 140° | 321.0 | 321.2 | 321.3 | 321.3 | 321.4 | 321.5 | 321.4 | 321.3 | 321.3 | 321.2 | 320.9 |
| 142.5° | 332.6 | 333.0 | 333.2 | 333.3 | 333.4 | 333.6 | 333.5 | 333.4 | 333.3 | 333.3 | 333.0 |
| 145° | 350.0 | 350.2 | 350.4 | 350.7 | 350.9 | 351.1 | 351.1 | 351.0 | 350.9 | 350.8 | 350.6 |
| 147.5° | 366.5 | 366.8 | 367.0 | 367.2 | 367.4 | 367.7 | 367.7 | 367.7 | 367.7 | 367.7 | 367.4 |
| 150° | 377.2 | 377.3 | 377.5 | 377.6 | 377.8 | 377.9 | 377.9 | 377.9 | 377.9 | 377.9 | 377.7 |
| 152.5° | 386.6 | 386.7 | 386.8 | 386.9 | 387.0 | 387.1 | 387.2 | 387.3 | 387.5 | 387.6 | 387.4 |
| 155° | 400.1 | 400.1 | 400.2 | 400.2 | 400.3 | 400.4 | 400.7 | 401.0 | 401.3 | 401.7 | 401.5 |
| 157.5° | 411.9 | 411.9 | 412.0 | 412.0 | 412.1 | 412.2 | 412.5 | 412.8 | 413.2 | 413.5 | 413.4 |
| 160° | 419.4 | 419.3 | 419.3 | 419.3 | 419.3 | 419.3 | 419.7 | 420.1 | 420.5 | 420.9 | 420.9 |
| 162.5° | 426.0 | 426.0 | 426.0 | 426.1 | 426.2 | 426.2 | 426.6 | 427.0 | 427.4 | 427.8 | 427.7 |
| 165° | 434.7 | 434.6 | 434.6 | 434.6 | 434.6 | 434.6 | 435.2 | 435.7 | 436.1 | 436.6 | 436.6 |
| 167.5° | 441.5 | 441.4 | 441.5 | 441.5 | 441.6 | 441.7 | 442.1 | 442.6 | 443.1 | 443.6 | 443.6 |
| 170° | 445.6 | 445.4 | 445.4 | 445.4 | 445.4 | 445.4 | 446.0 | 446.5 | 447.1 | 447.6 | 447.6 |
| 172.5° | 448.7 | 448.5 | 448.5 | 448.5 | 448.5 | 448.5 | 449.0 | 449.5 | 450.0 | 450.5 | 450.5 |
| 175° | 452.0 | 451.8 | 451.8 | 451.8 | 451.8 | 451.8 | 452.3 | 452.7 | 453.2 | 453.7 | 453.6 |
| 177.5° | 453.5 | 453.4 | 453.4 | 453.4 | 453.4 | 453.4 | 453.8 | 454.2 | 454.5 | 454.9 | 454.9 |
| 180° | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 |
| 2.5° | 1566.4 | 1565.8 | 1570.2 | 1567.0 | 1570.2 | 1565.8 | 1566.4 | 1570.8 | 1572.2 | 1572.8 | 1572.8 |
| 5° | 1457.9 | 1460.4 | 1452.4 | 1452.4 | 1452.4 | 1460.4 | 1457.9 | 1462.8 | 1466.7 | 1469.9 | 1474.6 |
| 7.5° | 1361.5 | 1358.0 | 1358.3 | 1354.0 | 1358.3 | 1358.0 | 1361.5 | 1365.2 | 1370.4 | 1377.4 | 1383.8 |
| 10° | 1302.4 | 1297.7 | 1296.1 | 1296.9 | 1296.1 | 1297.7 | 1302.4 | 1311.9 | 1315.1 | 1321.5 | 1328.6 |
| 12.5° | 1253.5 | 1252.5 | 1242.1 | 1242.2 | 1242.1 | 1252.5 | 1253.5 | 1256.1 | 1263.0 | 1276.4 | 1284.8 |
| 15° | 1196.1 | 1181.0 | 1179.4 | 1184.2 | 1179.4 | 1181.0 | 1196.1 | 1196.1 | 1199.2 | 1209.5 | 1214.4 |
| 17.5° | 1138.4 | 1130.5 | 1130.9 | 1128.6 | 1130.9 | 1130.5 | 1138.4 | 1139.7 | 1142.3 | 1150.6 | 1157.0 |
| 20° | 1107.9 | 1103.2 | 1102.4 | 1096.8 | 1102.4 | 1103.2 | 1107.9 | 1107.9 | 1111.2 | 1115.1 | 1121.5 |
| 22.5° | 1080.1 | 1078.4 | 1078.9 | 1072.8 | 1078.9 | 1078.4 | 1080.1 | 1082.0 | 1085.1 | 1087.8 | 1092.3 |
| 25° | 1045.3 | 1049.2 | 1046.0 | 1046.0 | 1046.0 | 1049.2 | 1045.3 | 1046.0 | 1046.8 | 1050.9 | 1054.0 |
| 27.5° | 1021.8 | 1021.6 | 1020.1 | 1020.1 | 1020.1 | 1021.6 | 1021.8 | 1019.9 | 1019.0 | 1017.5 | 1016.8 |
| 30° | 1004.0 | 1003.2 | 1004.8 | 1004.8 | 1004.8 | 1003.2 | 1004.0 | 1000.8 | 999.3 | 998.5 | 995.2 |
| 32.5° | 986.2 | 987.3 | 987.6 | 988.3 | 987.6 | 987.3 | 986.2 | 982.4 | 979.6 | 977.4 | 974.9 |
| 35° | 958.8 | 959.6 | 961.9 | 960.4 | 961.9 | 959.6 | 958.8 | 954.0 | 950.8 | 946.0 | 942.1 |
| 37.5° | 921.6 | 925.2 | 924.4 | 925.7 | 924.4 | 925.2 | 921.6 | 920.2 | 917.1 | 913.3 | 908.8 |
| 40° | 893.6 | 896.1 | 895.2 | 895.2 | 895.2 | 896.1 | 893.6 | 892.9 | 889.7 | 887.4 | 883.3 |
| 42.5° | 865.2 | 866.9 | 864.7 | 863.5 | 864.7 | 866.9 | 865.2 | 863.6 | 861.8 | 857.5 | 852.9 |
| 45° | 818.3 | 816.7 | 819.1 | 815.9 | 819.1 | 816.7 | 818.3 | 815.1 | 814.4 | 811.1 | 807.2 |
| 47.5° | 765.9 | 767.5 | 768.1 | 770.5 | 768.1 | 767.5 | 765.9 | 766.2 | 761.7 | 759.8 | 758.6 |
| 50° | 730.9 | 735.7 | 735.7 | 735.0 | 735.7 | 735.7 | 730.9 | 729.4 | 726.2 | 723.1 | 723.1 |
| 52.5° | 696.7 | 698.9 | 702.1 | 702.0 | 702.1 | 698.9 | 696.7 | 693.9 | 690.6 | 686.2 | 685.0 |
| 55° | 643.7 | 645.3 | 646.8 | 647.6 | 646.8 | 645.3 | 643.7 | 637.3 | 634.9 | 632.6 | 628.5 |
| 57.5° | 588.8 | 588.1 | 591.9 | 593.0 | 591.9 | 588.1 | 588.8 | 583.0 | 579.4 | 572.1 | 571.1 |
| 60° | 550.0 | 550.0 | 556.3 | 558.8 | 556.3 | 550.0 | 550.0 | 543.7 | 538.2 | 533.3 | 531.8 |
| 62.5° | 508.8 | 511.3 | 517.7 | 514.3 | 517.7 | 511.3 | 508.8 | 501.8 | 497.5 | 491.4 | 487.4 |
| 65° | 448.4 | 454.7 | 453.9 | 457.2 | 453.9 | 454.7 | 448.4 | 444.4 | 435.8 | 430.2 | 425.5 |
| 67.5° | 385.4 | 389.4 | 395.1 | 395.6 | 395.1 | 389.4 | 385.4 | 379.1 | 373.3 | 367.5 | 361.7 |
| 70° | 342.8 | 346.8 | 350.0 | 352.3 | 350.0 | 346.8 | 342.8 | 336.5 | 330.1 | 326.2 | 319.8 |
| 72.5° | 301.6 | 303.7 | 311.2 | 307.9 | 311.2 | 303.7 | 301.6 | 294.0 | 288.9 | 285.6 | 278.6 |
| 75° | 236.5 | 242.1 | 246.8 | 244.5 | 246.8 | 242.1 | 236.5 | 231.0 | 227.0 | 222.3 | 215.9 |
| 77.5° | 174.9 | 180.5 | 182.7 | 180.7 | 182.7 | 180.5 | 174.9 | 171.3 | 169.3 | 159.9 | 159.3 |
| 80° | 138.1 | 137.3 | 142.1 | 141.3 | 142.1 | 137.3 | 138.1 | 132.5 | 128.6 | 123.0 | 123.0 |
| 82.5° | 101.3 | 100.5 | 102.7 | 103.2 | 102.7 | 100.5 | 101.3 | 98.3 | 93.0 | 90.7 | 88.8 |
| 85° | 49.2 | 51.6 | 48.4 | 47.7 | 48.4 | 51.6 | 49.2 | 46.0 | 46.0 | 46.0 | 45.2 |
| 87.5° | 13.4 | 13.5 | 12.9 | 12.3 | 12.9 | 13.5 | 13.4 | 13.4 | 16.0 | 13.9 | 13.9 |
| 90° | 10.2 | 10.4 | 10.5 | 10.7 | 10.5 | 10.4 | 10.2 | 10.1 | 9.8 | 9.5 | 9.2 |
| 92.5° | 14.7 | 14.6 | 14.5 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.7 | 14.4 | 14.2 |
| 95° | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.7 | 27.4 | 27.1 |
| 97.5° | 42.9 | 42.9 | 42.8 | 42.8 | 42.8 | 42.9 | 42.9 | 42.9 | 42.8 | 42.4 | 42.0 |
| 100° | 53.7 | 53.9 | 54.1 | 54.2 | 54.1 | 53.9 | 53.7 | 53.6 | 53.4 | 53.2 | 52.9 |
| 102.5° | 66.0 | 66.0 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 65.9 | 65.7 | 65.5 |
| 105° | 84.4 | 84.6 | 84.8 | 84.9 | 84.8 | 84.6 | 84.4 | 84.3 | 84.2 | 84.2 | 84.2 |
| 107.5° | 105.0 | 104.9 | 104.8 | 104.7 | 104.8 | 104.9 | 105.0 | 105.1 | 105.0 | 104.7 | 104.5 |
| 110° | 118.6 | 118.5 | 118.3 | 118.2 | 118.3 | 118.5 | 118.6 | 118.8 | 118.7 | 118.4 | 118.1 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.5 | 132.5 | 132.4 | 132.4 | 132.4 | 132.5 | 132.5 | 132.5 | 132.4 | 132.0 | 131.6 |
| 115° | 152.3 | 152.2 | 152.1 | 152.0 | 152.1 | 152.2 | 152.3 | 152.4 | 152.4 | 152.3 | 152.2 |
| 117.5° | 172.6 | 172.4 | 172.2 | 172.0 | 172.2 | 172.4 | 172.6 | 172.8 | 173.0 | 173.0 | 173.0 |
| 120° | 186.4 | 186.2 | 186.1 | 185.9 | 186.1 | 186.2 | 186.4 | 186.5 | 186.7 | 186.7 | 186.8 |
| 122.5° | 200.1 | 199.8 | 199.5 | 199.3 | 199.5 | 199.8 | 200.1 | 200.3 | 200.5 | 200.7 | 200.9 |
| 125° | 220.5 | 220.2 | 219.7 | 219.4 | 219.7 | 220.2 | 220.5 | 220.8 | 221.1 | 221.4 | 221.7 |
| 127.5° | 240.7 | 240.2 | 239.9 | 239.5 | 239.9 | 240.2 | 240.7 | 241.0 | 241.4 | 241.9 | 242.3 |
| 130° | 254.4 | 253.8 | 253.3 | 252.7 | 253.3 | 253.8 | 254.4 | 254.9 | 255.3 | 255.6 | 256.0 |
| 132.5° | 267.6 | 267.2 | 266.8 | 266.4 | 266.8 | 267.2 | 267.6 | 268.1 | 268.5 | 268.8 | 269.2 |
| 135° | 288.1 | 287.9 | 287.8 | 287.6 | 287.8 | 287.9 | 288.1 | 288.3 | 288.5 | 288.8 | 289.1 |
| 137.5° | 307.3 | 307.0 | 306.7 | 306.4 | 306.7 | 307.0 | 307.3 | 307.6 | 307.9 | 308.3 | 308.6 |
| 140° | 320.3 | 319.8 | 319.2 | 318.7 | 319.2 | 319.8 | 320.3 | 320.9 | 321.2 | 321.3 | 321.3 |
| 142.5° | 332.5 | 332.1 | 331.6 | 331.2 | 331.6 | 332.1 | 332.5 | 333.0 | 333.3 | 333.3 | 333.4 |
| 145° | 350.3 | 350.0 | 349.7 | 349.4 | 349.7 | 350.0 | 350.3 | 350.6 | 350.8 | 350.9 | 351.0 |
| 147.5° | 367.0 | 366.5 | 366.0 | 365.5 | 366.0 | 366.5 | 367.0 | 367.4 | 367.7 | 367.7 | 367.7 |
| 150° | 377.2 | 376.8 | 376.3 | 375.8 | 376.3 | 376.8 | 377.2 | 377.7 | 377.9 | 377.9 | 377.9 |
| 152.5° | 387.0 | 386.6 | 386.2 | 385.8 | 386.2 | 386.6 | 387.0 | 387.4 | 387.6 | 387.5 | 387.3 |
| 155° | 401.0 | 400.4 | 399.9 | 399.3 | 399.9 | 400.4 | 401.0 | 401.5 | 401.7 | 401.3 | 401.0 |
| 157.5° | 413.0 | 412.6 | 412.1 | 411.7 | 412.1 | 412.6 | 413.0 | 413.4 | 413.5 | 413.2 | 412.8 |
| 160° | 420.6 | 420.3 | 420.0 | 419.7 | 420.0 | 420.3 | 420.6 | 420.9 | 420.9 | 420.5 | 420.1 |
| 162.5° | 427.2 | 426.7 | 426.2 | 425.7 | 426.2 | 426.7 | 427.2 | 427.7 | 427.8 | 427.4 | 427.0 |
| 165° | 436.0 | 435.5 | 434.8 | 434.3 | 434.8 | 435.5 | 436.0 | 436.6 | 436.6 | 436.1 | 435.7 |
| 167.5° | 443.1 | 442.6 | 442.1 | 441.7 | 442.1 | 442.6 | 443.1 | 443.6 | 443.6 | 443.1 | 442.6 |
| 170° | 447.1 | 446.5 | 446.0 | 445.4 | 446.0 | 446.5 | 447.1 | 447.6 | 447.6 | 447.1 | 446.5 |
| 172.5° | 449.9 | 449.4 | 448.8 | 448.3 | 448.8 | 449.4 | 449.9 | 450.5 | 450.5 | 450.0 | 449.5 |
| 175° | 453.1 | 452.5 | 452.0 | 451.4 | 452.0 | 452.5 | 453.1 | 453.6 | 453.7 | 453.2 | 452.7 |
| 177.5° | 454.5 | 454.0 | 453.6 | 453.1 | 453.6 | 454.0 | 454.5 | 454.9 | 454.9 | 454.5 | 454.2 |
| 180° | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 |
| 2.5° | 1570.8 | 1570.8 | 1582.9 | 1590.5 | 1600.0 | 1606.4 | 1610.8 | 1615.3 | 1623.0 | 1633.1 | 1644.5 |
| 5° | 1481.0 | 1484.2 | 1501.7 | 1519.1 | 1535.8 | 1550.0 | 1562.0 | 1576.2 | 1593.7 | 1615.1 | 1638.9 |
| 7.5° | 1394.0 | 1406.2 | 1423.8 | 1445.1 | 1468.4 | 1489.2 | 1510.4 | 1533.9 | 1558.4 | 1590.0 | 1623.4 |
| 10° | 1338.2 | 1351.6 | 1373.0 | 1400.1 | 1424.6 | 1449.3 | 1475.4 | 1500.9 | 1531.8 | 1569.1 | 1611.9 |
| 12.5° | 1289.3 | 1302.1 | 1324.1 | 1353.7 | 1377.1 | 1404.2 | 1434.2 | 1467.2 | 1502.0 | 1546.9 | 1595.5 |
| 15° | 1221.4 | 1236.6 | 1263.5 | 1277.8 | 1313.5 | 1346.0 | 1373.8 | 1421.5 | 1465.9 | 1512.0 | 1568.3 |
| 17.5° | 1165.9 | 1174.3 | 1196.2 | 1222.7 | 1249.4 | 1285.9 | 1322.2 | 1361.9 | 1406.2 | 1462.6 | 1533.1 |
| 20° | 1127.8 | 1135.0 | 1158.7 | 1186.6 | 1215.1 | 1248.5 | 1281.0 | 1320.7 | 1370.7 | 1430.2 | 1506.4 |
| 22.5° | 1099.2 | 1107.0 | 1122.6 | 1152.3 | 1178.9 | 1206.6 | 1239.1 | 1286.4 | 1339.6 | 1397.9 | 1480.4 |
| 25° | 1057.9 | 1062.7 | 1073.1 | 1096.8 | 1120.6 | 1151.7 | 1180.2 | 1224.7 | 1279.4 | 1347.7 | 1430.2 |
| 27.5° | 1018.8 | 1023.4 | 1032.0 | 1049.0 | 1071.3 | 1096.4 | 1127.5 | 1165.3 | 1220.8 | 1294.9 | 1382.6 |
| 30° | 995.2 | 996.0 | 1004.0 | 1019.9 | 1038.9 | 1059.6 | 1088.1 | 1130.9 | 1183.4 | 1258.8 | 1350.8 |
| 32.5° | 974.9 | 971.9 | 977.3 | 989.4 | 1007.8 | 1028.4 | 1052.0 | 1094.2 | 1144.7 | 1218.8 | 1313.3 |
| 35° | 940.5 | 938.9 | 936.5 | 946.8 | 962.7 | 978.6 | 999.3 | 1031.0 | 1088.1 | 1157.2 | 1256.4 |
| 37.5° | 905.4 | 901.6 | 897.4 | 902.1 | 914.4 | 931.0 | 948.9 | 977.1 | 1026.4 | 1102.4 | 1197.3 |
| 40° | 879.4 | 876.3 | 873.8 | 872.2 | 883.3 | 899.2 | 912.7 | 939.7 | 985.7 | 1057.9 | 1151.7 |
| 42.5° | 850.8 | 848.9 | 845.9 | 843.6 | 852.9 | 864.9 | 879.1 | 902.9 | 948.9 | 1016.7 | 1105.3 |
| 45° | 804.8 | 803.2 | 801.6 | 800.0 | 805.6 | 816.7 | 827.8 | 845.3 | 884.9 | 950.8 | 1031.0 |
| 47.5° | 753.6 | 751.4 | 752.0 | 749.5 | 755.0 | 762.4 | 770.2 | 788.9 | 827.0 | 880.2 | 938.8 |
| 50° | 716.7 | 715.9 | 715.9 | 715.9 | 717.5 | 726.2 | 733.4 | 747.6 | 782.5 | 835.8 | 877.8 |
| 52.5° | 681.8 | 678.4 | 678.4 | 679.7 | 682.6 | 688.1 | 692.8 | 708.3 | 738.7 | 782.4 | 820.6 |
| 55° | 627.0 | 620.7 | 619.0 | 620.7 | 623.0 | 627.8 | 632.6 | 645.3 | 671.5 | 704.0 | 726.2 |
| 57.5° | 566.3 | 562.9 | 560.8 | 561.1 | 562.4 | 566.2 | 569.9 | 583.7 | 604.3 | 621.3 | 635.6 |
| 60° | 523.8 | 525.4 | 518.3 | 519.9 | 519.9 | 523.0 | 528.6 | 537.3 | 554.8 | 566.6 | 581.0 |
| 62.5° | 483.8 | 481.6 | 479.6 | 477.4 | 477.4 | 478.6 | 486.0 | 492.9 | 507.8 | 514.0 | 525.1 |
| 65° | 421.4 | 421.4 | 416.7 | 418.3 | 419.1 | 413.5 | 417.5 | 425.5 | 434.9 | 437.3 | 447.7 |
| 67.5° | 358.3 | 356.1 | 353.4 | 350.9 | 350.9 | 350.5 | 352.5 | 356.5 | 363.7 | 364.5 | 372.4 |
| 70° | 315.1 | 313.5 | 312.8 | 310.3 | 307.2 | 311.1 | 308.7 | 312.8 | 316.7 | 317.5 | 322.2 |
| 72.5° | 273.2 | 271.6 | 270.1 | 267.8 | 266.5 | 266.0 | 266.2 | 270.8 | 273.5 | 272.4 | 277.8 |
| 75° | 213.5 | 211.9 | 210.4 | 206.3 | 206.3 | 204.0 | 204.8 | 207.9 | 211.2 | 208.7 | 213.5 |
| 77.5° | 156.8 | 151.9 | 151.6 | 152.7 | 150.0 | 150.5 | 149.6 | 149.1 | 150.5 | 150.7 | 154.9 |
| 80° | 120.7 | 115.1 | 116.6 | 115.8 | 115.1 | 114.3 | 112.7 | 113.5 | 114.3 | 115.1 | 117.4 |
| 82.5° | 86.9 | 86.5 | 84.9 | 84.7 | 84.0 | 81.9 | 81.0 | 82.4 | 83.2 | 82.7 | 84.4 |
| 85° | 44.4 | 42.1 | 43.6 | 42.8 | 43.6 | 42.8 | 40.5 | 40.5 | 42.1 | 41.3 | 42.8 |
| 87.5° | 15.1 | 15.0 | 14.2 | 14.6 | 13.8 | 14.2 | 13.4 | 13.8 | 14.3 | 14.2 | 15.3 |
| 90° | 8.9 | 8.6 | 7.6 | 6.5 | 5.5 | 4.4 | 3.5 | 2.7 | 1.9 | 1.1 | 0.4 |
| 92.5° | 13.9 | 13.7 | 13.1 | 12.5 | 11.9 | 11.3 | 10.8 | 10.3 | 9.7 | 9.2 | 8.7 |
| 95° | 26.8 | 26.5 | 25.8 | 25.1 | 24.5 | 23.8 | 23.2 | 22.7 | 22.1 | 21.6 | 21.1 |
| 97.5° | 41.7 | 41.3 | 40.9 | 40.4 | 40.0 | 39.5 | 39.1 | 38.7 | 38.3 | 37.8 | 37.4 |
| 100° | 52.7 | 52.4 | 52.1 | 51.7 | 51.3 | 50.9 | 50.4 | 50.0 | 49.5 | 49.0 | 48.6 |
| 102.5° | 65.2 | 65.0 | 64.5 | 64.0 | 63.4 | 62.9 | 62.5 | 62.2 | 61.9 | 61.7 | 61.4 |
| 105° | 84.2 | 84.2 | 83.5 | 82.8 | 82.1 | 81.4 | 80.9 | 80.8 | 80.6 | 80.5 | 80.3 |
| 107.5° | 104.2 | 104.0 | 103.7 | 103.4 | 103.1 | 102.8 | 102.7 | 102.6 | 102.5 | 102.4 | 102.3 |
| 110° | 117.8 | 117.4 | 117.2 | 117.1 | 116.9 | 116.7 | 116.6 | 116.4 | 116.3 | 116.1 | 116.0 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 131.2 | 130.9 | 130.8 | 130.8 | 130.8 | 130.7 | 130.7 | 130.6 | 130.5 | 130.4 | 130.3 |
| 115° | 152.1 | 152.0 | 152.2 | 152.4 | 152.5 | 152.7 | 152.6 | 152.4 | 152.2 | 151.9 | 151.7 |
| 117.5° | 173.0 | 173.0 | 173.2 | 173.4 | 173.6 | 173.8 | 173.9 | 173.7 | 173.6 | 173.4 | 173.2 |
| 120° | 186.9 | 187.0 | 187.4 | 187.8 | 188.2 | 188.5 | 188.5 | 188.0 | 187.6 | 187.1 | 186.6 |
| 122.5° | 201.1 | 201.3 | 201.5 | 201.7 | 201.9 | 202.1 | 202.1 | 201.7 | 201.4 | 201.0 | 200.7 |
| 125° | 222.0 | 222.4 | 222.5 | 222.7 | 222.8 | 223.0 | 223.0 | 222.7 | 222.5 | 222.2 | 222.0 |
| 127.5° | 242.8 | 243.2 | 243.4 | 243.5 | 243.7 | 243.9 | 243.7 | 243.2 | 242.7 | 242.2 | 241.7 |
| 130° | 256.3 | 256.6 | 256.8 | 257.1 | 257.3 | 257.5 | 257.3 | 256.7 | 256.1 | 255.4 | 254.8 |
| 132.5° | 269.6 | 270.0 | 270.1 | 270.3 | 270.5 | 270.7 | 270.4 | 269.8 | 269.2 | 268.6 | 267.9 |
| 135° | 289.4 | 289.8 | 289.8 | 289.9 | 290.0 | 290.1 | 289.9 | 289.4 | 288.9 | 288.5 | 288.0 |
| 137.5° | 308.9 | 309.2 | 309.0 | 308.8 | 308.6 | 308.4 | 308.1 | 307.7 | 307.3 | 307.0 | 306.6 |
| 140° | 321.4 | 321.5 | 321.4 | 321.3 | 321.3 | 321.2 | 321.0 | 320.6 | 320.2 | 319.8 | 319.4 |
| 142.5° | 333.5 | 333.6 | 333.4 | 333.3 | 333.2 | 333.0 | 332.6 | 332.3 | 331.9 | 331.5 | 331.1 |
| 145° | 351.1 | 351.1 | 350.9 | 350.7 | 350.4 | 350.2 | 350.0 | 349.8 | 349.7 | 349.5 | 349.4 |
| 147.5° | 367.7 | 367.7 | 367.4 | 367.2 | 367.0 | 366.8 | 366.5 | 366.3 | 366.0 | 365.7 | 365.4 |
| 150° | 377.9 | 377.9 | 377.8 | 377.6 | 377.5 | 377.3 | 377.2 | 377.0 | 376.8 | 376.7 | 376.5 |
| 152.5° | 387.2 | 387.1 | 387.0 | 386.9 | 386.8 | 386.7 | 386.6 | 386.3 | 386.1 | 385.9 | 385.7 |
| 155° | 400.7 | 400.4 | 400.3 | 400.2 | 400.2 | 400.1 | 400.1 | 400.1 | 400.1 | 400.1 | 400.1 |
| 157.5° | 412.5 | 412.2 | 412.1 | 412.0 | 412.0 | 411.9 | 411.9 | 412.0 | 412.1 | 412.2 | 412.3 |
| 160° | 419.7 | 419.3 | 419.3 | 419.3 | 419.3 | 419.3 | 419.4 | 419.6 | 419.7 | 419.9 | 420.0 |
| 162.5° | 426.6 | 426.2 | 426.2 | 426.1 | 426.0 | 426.0 | 426.0 | 426.3 | 426.5 | 426.7 | 426.9 |
| 165° | 435.2 | 434.6 | 434.6 | 434.6 | 434.6 | 434.6 | 434.7 | 435.0 | 435.3 | 435.6 | 435.8 |
| 167.5° | 442.1 | 441.7 | 441.6 | 441.5 | 441.5 | 441.4 | 441.5 | 441.8 | 442.2 | 442.5 | 442.8 |
| 170° | 446.0 | 445.4 | 445.4 | 445.4 | 445.4 | 445.4 | 445.6 | 445.9 | 446.2 | 446.5 | 446.8 |
| 172.5° | 449.0 | 448.5 | 448.5 | 448.5 | 448.5 | 448.5 | 448.7 | 449.0 | 449.3 | 449.6 | 450.0 |
| 175° | 452.3 | 451.8 | 451.8 | 451.8 | 451.8 | 451.8 | 452.0 | 452.3 | 452.6 | 452.9 | 453.2 |
| 177.5° | 453.8 | 453.4 | 453.4 | 453.4 | 453.4 | 453.4 | 453.5 | 453.8 | 454.0 | 454.3 | 454.5 |
| 180° | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 |
| 2.5° | 1648.3 | 1651.4 | 1662.2 | 1669.9 | 1678.8 | 1683.8 | 1688.9 | 1692.7 | 1697.8 | 1699.1 | 1717.5 |
| 5° | 1655.6 | 1671.5 | 1699.3 | 1719.9 | 1745.2 | 1773.0 | 1792.1 | 1800.9 | 1823.8 | 1842.9 | 1881.0 |
| 7.5° | 1653.6 | 1687.4 | 1729.3 | 1772.7 | 1819.4 | 1862.6 | 1900.1 | 1944.5 | 1976.1 | 2023.6 | 2070.4 |
| 10° | 1651.6 | 1696.9 | 1750.8 | 1806.4 | 1871.5 | 1931.8 | 1985.8 | 2046.1 | 2096.1 | 2161.9 | 2218.3 |
| 12.5° | 1645.9 | 1700.7 | 1775.6 | 1841.3 | 1920.4 | 2003.6 | 2083.6 | 2161.0 | 2205.3 | 2315.0 | 2366.9 |
| 15° | 1631.8 | 1696.9 | 1790.5 | 1890.6 | 1999.2 | 2097.7 | 2199.3 | 2280.3 | 2411.2 | 2507.2 | 2568.3 |
| 17.5° | 1604.8 | 1696.0 | 1807.1 | 1927.6 | 2059.9 | 2189.6 | 2304.7 | 2427.5 | 2566.5 | 2682.6 | 2806.4 |
| 20° | 1592.2 | 1692.1 | 1815.9 | 1949.2 | 2086.6 | 2233.4 | 2364.4 | 2511.9 | 2663.6 | 2777.8 | 2936.6 |
| 22.5° | 1568.6 | 1681.9 | 1815.3 | 1963.9 | 2110.7 | 2262.6 | 2415.8 | 2564.7 | 2739.8 | 2897.2 | 3048.4 |
| 25° | 1530.2 | 1657.2 | 1795.3 | 1961.2 | 2133.4 | 2285.8 | 2469.1 | 2666.8 | 2849.3 | 3051.7 | 3202.5 |
| 27.5° | 1489.9 | 1625.5 | 1763.8 | 1918.1 | 2103.3 | 2284.2 | 2514.9 | 2738.1 | 2961.3 | 3136.1 | 3247.7 |
| 30° | 1458.8 | 1590.5 | 1733.4 | 1889.0 | 2072.2 | 2287.3 | 2545.3 | 2788.9 | 3006.5 | 3156.4 | 3219.1 |
| 32.5° | 1425.1 | 1558.7 | 1685.2 | 1848.4 | 2043.7 | 2285.4 | 2564.4 | 2818.8 | 3009.0 | 3108.9 | 3096.7 |
| 35° | 1372.3 | 1484.2 | 1607.2 | 1764.3 | 1994.5 | 2271.5 | 2575.5 | 2821.5 | 2938.2 | 2916.8 | 2754.8 |
| 37.5° | 1296.1 | 1390.2 | 1511.4 | 1683.3 | 1937.3 | 2242.1 | 2553.2 | 2737.8 | 2730.3 | 2555.8 | 2321.2 |
| 40° | 1248.5 | 1328.6 | 1445.3 | 1626.3 | 1892.9 | 2223.1 | 2518.3 | 2638.2 | 2536.6 | 2292.9 | 2012.0 |
| 42.5° | 1186.2 | 1260.0 | 1376.7 | 1562.8 | 1844.0 | 2184.3 | 2451.6 | 2486.4 | 2287.6 | 2007.2 | 1749.7 |
| 45° | 1089.7 | 1154.8 | 1275.5 | 1467.5 | 1770.7 | 2100.0 | 2289.0 | 2204.0 | 1936.5 | 1646.9 | 1450.9 |
| 47.5° | 986.0 | 1053.7 | 1169.7 | 1367.1 | 1664.7 | 1973.3 | 2063.3 | 1882.6 | 1608.0 | 1373.0 | 1193.1 |
| 50° | 920.7 | 985.7 | 1099.2 | 1298.5 | 1592.9 | 1869.1 | 1906.4 | 1673.0 | 1420.7 | 1214.4 | 1066.7 |
| 52.5° | 854.6 | 915.9 | 1027.5 | 1227.3 | 1509.1 | 1748.5 | 1725.5 | 1487.6 | 1255.6 | 1079.7 | 963.8 |
| 55° | 756.4 | 814.4 | 920.7 | 1107.9 | 1364.3 | 1554.0 | 1470.7 | 1243.6 | 1051.6 | 915.1 | 827.0 |
| 57.5° | 668.4 | 724.0 | 815.8 | 984.9 | 1207.8 | 1338.2 | 1232.1 | 1040.9 | 888.1 | 783.0 | 717.3 |
| 60° | 608.7 | 657.9 | 745.3 | 902.4 | 1096.1 | 1195.3 | 1090.6 | 921.5 | 792.8 | 708.7 | 650.1 |
| 62.5° | 552.2 | 595.1 | 676.0 | 818.6 | 986.8 | 1070.2 | 964.1 | 821.1 | 711.7 | 637.0 | 587.1 |
| 65° | 466.7 | 505.5 | 577.0 | 688.1 | 826.2 | 881.8 | 790.5 | 674.6 | 589.7 | 534.1 | 500.8 |
| 67.5° | 388.6 | 421.6 | 483.3 | 570.8 | 672.4 | 712.9 | 643.4 | 553.7 | 489.7 | 445.0 | 418.6 |
| 70° | 336.5 | 365.1 | 413.5 | 488.9 | 581.0 | 611.9 | 546.8 | 473.0 | 426.2 | 390.5 | 365.9 |
| 72.5° | 292.7 | 313.7 | 357.6 | 415.9 | 492.7 | 517.4 | 471.9 | 407.0 | 363.3 | 336.5 | 317.0 |
| 75° | 223.0 | 240.4 | 269.0 | 315.9 | 369.1 | 383.3 | 349.2 | 308.7 | 279.3 | 260.3 | 245.2 |
| 77.5° | 160.8 | 173.7 | 194.3 | 223.2 | 260.0 | 272.9 | 251.3 | 224.3 | 202.9 | 190.0 | 181.6 |
| 80° | 121.4 | 131.8 | 149.3 | 173.0 | 195.2 | 202.4 | 189.7 | 169.1 | 154.0 | 146.8 | 139.7 |
| 82.5° | 89.7 | 95.5 | 106.0 | 122.2 | 137.4 | 145.9 | 135.1 | 122.7 | 114.6 | 108.1 | 105.4 |
| 85° | 45.2 | 48.4 | 53.2 | 59.5 | 69.1 | 72.2 | 68.3 | 65.0 | 60.3 | 56.4 | 56.4 |
| 87.5° | 16.8 | 16.9 | 19.0 | 20.4 | 23.1 | 25.2 | 24.8 | 23.7 | 23.3 | 22.7 | 22.1 |
| 90° | 1.1 | 1.9 | 2.7 | 3.5 | 4.4 | 5.5 | 6.5 | 7.6 | 8.6 | 8.9 | 9.2 |
| 92.5° | 9.2 | 9.7 | 10.3 | 10.8 | 11.3 | 11.9 | 12.5 | 13.1 | 13.7 | 13.9 | 14.2 |
| 95° | 21.6 | 22.1 | 22.7 | 23.2 | 23.8 | 24.5 | 25.1 | 25.8 | 26.5 | 26.8 | 27.1 |
| 97.5° | 37.8 | 38.3 | 38.7 | 39.1 | 39.5 | 40.0 | 40.4 | 40.9 | 41.3 | 41.7 | 42.0 |
| 100° | 49.0 | 49.5 | 50.0 | 50.4 | 50.9 | 51.3 | 51.7 | 52.1 | 52.4 | 52.7 | 52.9 |
| 102.5° | 61.7 | 61.9 | 62.2 | 62.5 | 62.9 | 63.4 | 64.0 | 64.5 | 65.0 | 65.2 | 65.5 |
| 105° | 80.5 | 80.6 | 80.8 | 80.9 | 81.4 | 82.1 | 82.8 | 83.5 | 84.2 | 84.2 | 84.2 |
| 107.5° | 102.4 | 102.5 | 102.6 | 102.7 | 102.8 | 103.1 | 103.4 | 103.7 | 104.0 | 104.2 | 104.5 |
| 110° | 116.1 | 116.3 | 116.4 | 116.6 | 116.7 | 116.9 | 117.1 | 117.2 | 117.4 | 117.8 | 118.1 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 130.4 | 130.5 | 130.6 | 130.7 | 130.7 | 130.8 | 130.8 | 130.8 | 130.9 | 131.2 | 131.6 |
| 115° | 151.9 | 152.2 | 152.4 | 152.6 | 152.7 | 152.5 | 152.4 | 152.2 | 152.0 | 152.1 | 152.2 |
| 117.5° | 173.4 | 173.6 | 173.7 | 173.9 | 173.8 | 173.6 | 173.4 | 173.2 | 173.0 | 173.0 | 173.0 |
| 120° | 187.1 | 187.6 | 188.0 | 188.5 | 188.5 | 188.2 | 187.8 | 187.4 | 187.0 | 186.9 | 186.8 |
| 122.5° | 201.0 | 201.4 | 201.7 | 202.1 | 202.1 | 201.9 | 201.7 | 201.5 | 201.3 | 201.1 | 200.9 |
| 125° | 222.2 | 222.5 | 222.7 | 223.0 | 223.0 | 222.8 | 222.7 | 222.5 | 222.4 | 222.0 | 221.7 |
| 127.5° | 242.2 | 242.7 | 243.2 | 243.7 | 243.9 | 243.7 | 243.5 | 243.4 | 243.2 | 242.8 | 242.3 |
| 130° | 255.4 | 256.1 | 256.7 | 257.3 | 257.5 | 257.3 | 257.1 | 256.8 | 256.6 | 256.3 | 256.0 |
| 132.5° | 268.6 | 269.2 | 269.8 | 270.4 | 270.7 | 270.5 | 270.3 | 270.1 | 270.0 | 269.6 | 269.2 |
| 135° | 288.5 | 288.9 | 289.4 | 289.9 | 290.1 | 290.0 | 289.9 | 289.8 | 289.8 | 289.4 | 289.1 |
| 137.5° | 307.0 | 307.3 | 307.7 | 308.1 | 308.4 | 308.6 | 308.8 | 309.0 | 309.2 | 308.9 | 308.6 |
| 140° | 319.8 | 320.2 | 320.6 | 321.0 | 321.2 | 321.3 | 321.3 | 321.4 | 321.5 | 321.4 | 321.3 |
| 142.5° | 331.5 | 331.9 | 332.3 | 332.6 | 333.0 | 333.2 | 333.3 | 333.4 | 333.6 | 333.5 | 333.4 |
| 145° | 349.5 | 349.7 | 349.8 | 350.0 | 350.2 | 350.4 | 350.7 | 350.9 | 351.1 | 351.1 | 351.0 |
| 147.5° | 365.7 | 366.0 | 366.3 | 366.5 | 366.8 | 367.0 | 367.2 | 367.4 | 367.7 | 367.7 | 367.7 |
| 150° | 376.7 | 376.8 | 377.0 | 377.2 | 377.3 | 377.5 | 377.6 | 377.8 | 377.9 | 377.9 | 377.9 |
| 152.5° | 385.9 | 386.1 | 386.3 | 386.6 | 386.7 | 386.8 | 386.9 | 387.0 | 387.1 | 387.2 | 387.3 |
| 155° | 400.1 | 400.1 | 400.1 | 400.1 | 400.1 | 400.2 | 400.2 | 400.3 | 400.4 | 400.7 | 401.0 |
| 157.5° | 412.2 | 412.1 | 412.0 | 411.9 | 411.9 | 412.0 | 412.0 | 412.1 | 412.2 | 412.5 | 412.8 |
| 160° | 419.9 | 419.7 | 419.6 | 419.4 | 419.3 | 419.3 | 419.3 | 419.3 | 419.3 | 419.7 | 420.1 |
| 162.5° | 426.7 | 426.5 | 426.3 | 426.0 | 426.0 | 426.0 | 426.1 | 426.2 | 426.2 | 426.6 | 427.0 |
| 165° | 435.6 | 435.3 | 435.0 | 434.7 | 434.6 | 434.6 | 434.6 | 434.6 | 434.6 | 435.2 | 435.7 |
| 167.5° | 442.5 | 442.2 | 441.8 | 441.5 | 441.4 | 441.5 | 441.5 | 441.6 | 441.7 | 442.1 | 442.6 |
| 170° | 446.5 | 446.2 | 445.9 | 445.6 | 445.4 | 445.4 | 445.4 | 445.4 | 445.4 | 446.0 | 446.5 |
| 172.5° | 449.6 | 449.3 | 449.0 | 448.7 | 448.5 | 448.5 | 448.5 | 448.5 | 448.5 | 449.0 | 449.5 |
| 175° | 452.9 | 452.6 | 452.3 | 452.0 | 451.8 | 451.8 | 451.8 | 451.8 | 451.8 | 452.3 | 452.7 |
| 177.5° | 454.3 | 454.0 | 453.8 | 453.5 | 453.4 | 453.4 | 453.4 | 453.4 | 453.4 | 453.8 | 454.2 |
| 180° | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 | 1638.1 |
| 2.5° | 1723.8 | 1724.4 | 1731.5 | 1736.6 | 1734.0 | 1737.2 | 1738.5 |
| 5° | 1883.4 | 1912.0 | 1927.0 | 1938.1 | 1938.9 | 1939.7 | 1946.1 |
| 7.5° | 2109.6 | 2140.2 | 2162.6 | 2196.6 | 2206.8 | 2218.3 | 2214.9 |
| 10° | 2274.7 | 2319.9 | 2358.8 | 2379.4 | 2401.7 | 2434.2 | 2408.0 |
| 12.5° | 2428.9 | 2509.1 | 2568.3 | 2600.4 | 2621.3 | 2627.9 | 2615.0 |
| 15° | 2683.4 | 2788.1 | 2844.5 | 2843.0 | 2914.4 | 2945.4 | 2896.9 |
| 17.5° | 2916.8 | 3013.4 | 3090.9 | 3130.6 | 3190.1 | 3203.3 | 3197.2 |
| 20° | 3059.6 | 3165.2 | 3225.5 | 3293.8 | 3324.7 | 3352.4 | 3357.2 |
| 22.5° | 3182.8 | 3277.5 | 3342.4 | 3399.1 | 3425.1 | 3438.2 | 3446.2 |
| 25° | 3309.6 | 3384.3 | 3423.1 | 3442.9 | 3450.1 | 3448.5 | 3438.2 |
| 27.5° | 3300.8 | 3306.6 | 3263.8 | 3221.7 | 3184.1 | 3141.7 | 3127.0 |
| 30° | 3215.2 | 3148.5 | 3029.5 | 2962.0 | 2862.8 | 2784.2 | 2815.9 |
| 32.5° | 2989.8 | 2857.1 | 2723.4 | 2576.0 | 2453.9 | 2419.1 | 2384.2 |
| 35° | 2551.6 | 2318.3 | 2181.8 | 2023.1 | 1959.5 | 1896.1 | 1852.4 |
| 37.5° | 2064.4 | 1883.9 | 1721.9 | 1618.1 | 1554.5 | 1514.3 | 1492.8 |
| 40° | 1784.9 | 1622.2 | 1488.9 | 1404.8 | 1356.3 | 1311.1 | 1304.8 |
| 42.5° | 1562.2 | 1410.9 | 1310.5 | 1243.5 | 1197.0 | 1177.8 | 1163.9 |
| 45° | 1279.4 | 1173.9 | 1106.4 | 1058.7 | 1027.8 | 1015.9 | 1000.1 |
| 47.5° | 1082.9 | 1008.2 | 957.7 | 925.2 | 901.9 | 893.0 | 891.8 |
| 50° | 973.0 | 911.1 | 873.8 | 848.4 | 830.2 | 827.0 | 814.4 |
| 52.5° | 890.5 | 836.9 | 807.8 | 785.6 | 772.4 | 763.6 | 759.7 |
| 55° | 773.1 | 737.3 | 711.1 | 698.4 | 688.1 | 679.3 | 679.3 |
| 57.5° | 676.4 | 646.5 | 629.2 | 618.4 | 615.2 | 609.0 | 605.1 |
| 60° | 616.7 | 591.3 | 577.8 | 568.3 | 561.9 | 562.7 | 555.5 |
| 62.5° | 558.3 | 541.8 | 528.9 | 519.4 | 511.8 | 511.9 | 512.4 |
| 65° | 475.4 | 462.7 | 453.2 | 450.0 | 445.2 | 439.7 | 441.3 |
| 67.5° | 402.8 | 390.9 | 383.5 | 378.1 | 376.5 | 373.5 | 378.1 |
| 70° | 350.8 | 342.0 | 336.5 | 331.7 | 330.1 | 330.9 | 335.0 |
| 72.5° | 303.2 | 297.0 | 293.4 | 291.1 | 287.6 | 287.8 | 290.4 |
| 75° | 238.1 | 233.4 | 230.1 | 227.8 | 227.0 | 227.0 | 227.0 |
| 77.5° | 174.9 | 173.8 | 172.4 | 168.8 | 169.1 | 170.0 | 170.2 |
| 80° | 138.1 | 135.7 | 134.9 | 133.3 | 131.0 | 129.4 | 133.3 |
| 82.5° | 103.2 | 100.8 | 100.0 | 99.7 | 96.0 | 95.7 | 99.1 |
| 85° | 55.5 | 53.2 | 53.9 | 53.2 | 53.2 | 52.4 | 52.4 |
| 87.5° | 21.6 | 21.0 | 20.4 | 21.1 | 20.5 | 19.9 | 21.2 |
| 90° | 9.5 | 9.8 | 10.1 | 10.2 | 10.4 | 10.5 | 10.7 |
| 92.5° | 14.4 | 14.7 | 14.8 | 14.7 | 14.6 | 14.5 | 14.4 |
| 95° | 27.4 | 27.7 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 |
| 97.5° | 42.4 | 42.8 | 42.9 | 42.9 | 42.9 | 42.8 | 42.8 |
| 100° | 53.2 | 53.4 | 53.6 | 53.7 | 53.9 | 54.1 | 54.2 |
| 102.5° | 65.7 | 65.9 | 66.0 | 66.0 | 66.0 | 65.9 | 65.9 |
| 105° | 84.2 | 84.2 | 84.3 | 84.4 | 84.6 | 84.8 | 84.9 |
| 107.5° | 104.7 | 105.0 | 105.1 | 105.0 | 104.9 | 104.8 | 104.7 |
| 110° | 118.4 | 118.7 | 118.8 | 118.6 | 118.5 | 118.3 | 118.2 |



TEST NUMBER: P332046-840

CATALOG NUMBER: S123DIP-S1165D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.0 | 132.4 | 132.5 | 132.5 | 132.5 | 132.4 | 132.4 |
| 115° | 152.3 | 152.4 | 152.4 | 152.3 | 152.2 | 152.1 | 152.0 |
| 117.5° | 173.0 | 173.0 | 172.8 | 172.6 | 172.4 | 172.2 | 172.0 |
| 120° | 186.7 | 186.7 | 186.5 | 186.4 | 186.2 | 186.1 | 185.9 |
| 122.5° | 200.7 | 200.5 | 200.3 | 200.1 | 199.8 | 199.5 | 199.3 |
| 125° | 221.4 | 221.1 | 220.8 | 220.5 | 220.2 | 219.7 | 219.4 |
| 127.5° | 241.9 | 241.4 | 241.0 | 240.7 | 240.2 | 239.9 | 239.5 |
| 130° | 255.6 | 255.3 | 254.9 | 254.4 | 253.8 | 253.3 | 252.7 |
| 132.5° | 268.8 | 268.5 | 268.1 | 267.6 | 267.2 | 266.8 | 266.4 |
| 135° | 288.8 | 288.5 | 288.3 | 288.1 | 287.9 | 287.8 | 287.6 |
| 137.5° | 308.3 | 307.9 | 307.6 | 307.3 | 307.0 | 306.7 | 306.4 |
| 140° | 321.3 | 321.2 | 320.9 | 320.3 | 319.8 | 319.2 | 318.7 |
| 142.5° | 333.3 | 333.3 | 333.0 | 332.5 | 332.1 | 331.6 | 331.2 |
| 145° | 350.9 | 350.8 | 350.6 | 350.3 | 350.0 | 349.7 | 349.4 |
| 147.5° | 367.7 | 367.7 | 367.4 | 367.0 | 366.5 | 366.0 | 365.5 |
| 150° | 377.9 | 377.9 | 377.7 | 377.2 | 376.8 | 376.3 | 375.8 |
| 152.5° | 387.5 | 387.6 | 387.4 | 387.0 | 386.6 | 386.2 | 385.8 |
| 155° | 401.3 | 401.7 | 401.5 | 401.0 | 400.4 | 399.9 | 399.3 |
| 157.5° | 413.2 | 413.5 | 413.4 | 413.0 | 412.6 | 412.1 | 411.7 |
| 160° | 420.5 | 420.9 | 420.9 | 420.6 | 420.3 | 420.0 | 419.7 |
| 162.5° | 427.4 | 427.8 | 427.7 | 427.2 | 426.7 | 426.2 | 425.7 |
| 165° | 436.1 | 436.6 | 436.6 | 436.0 | 435.5 | 434.8 | 434.3 |
| 167.5° | 443.1 | 443.6 | 443.6 | 443.1 | 442.6 | 442.1 | 441.7 |
| 170° | 447.1 | 447.6 | 447.6 | 447.1 | 446.5 | 446.0 | 445.4 |
| 172.5° | 450.0 | 450.5 | 450.5 | 449.9 | 449.4 | 448.8 | 448.3 |
| 175° | 453.2 | 453.7 | 453.6 | 453.1 | 452.5 | 452.0 | 451.4 |
| 177.5° | 454.5 | 454.9 | 454.9 | 454.5 | 454.0 | 453.6 | 453.1 |
| 180° | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 | 454.3 |

(END OF REPORT)