

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: P332090-940

Luminaire Tested: **S123DIW-S340D460U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332090-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S340D460U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 460 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2940.0 lumens
Efficiency: N/A
Efficacy: 127.8 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: General Diffuse

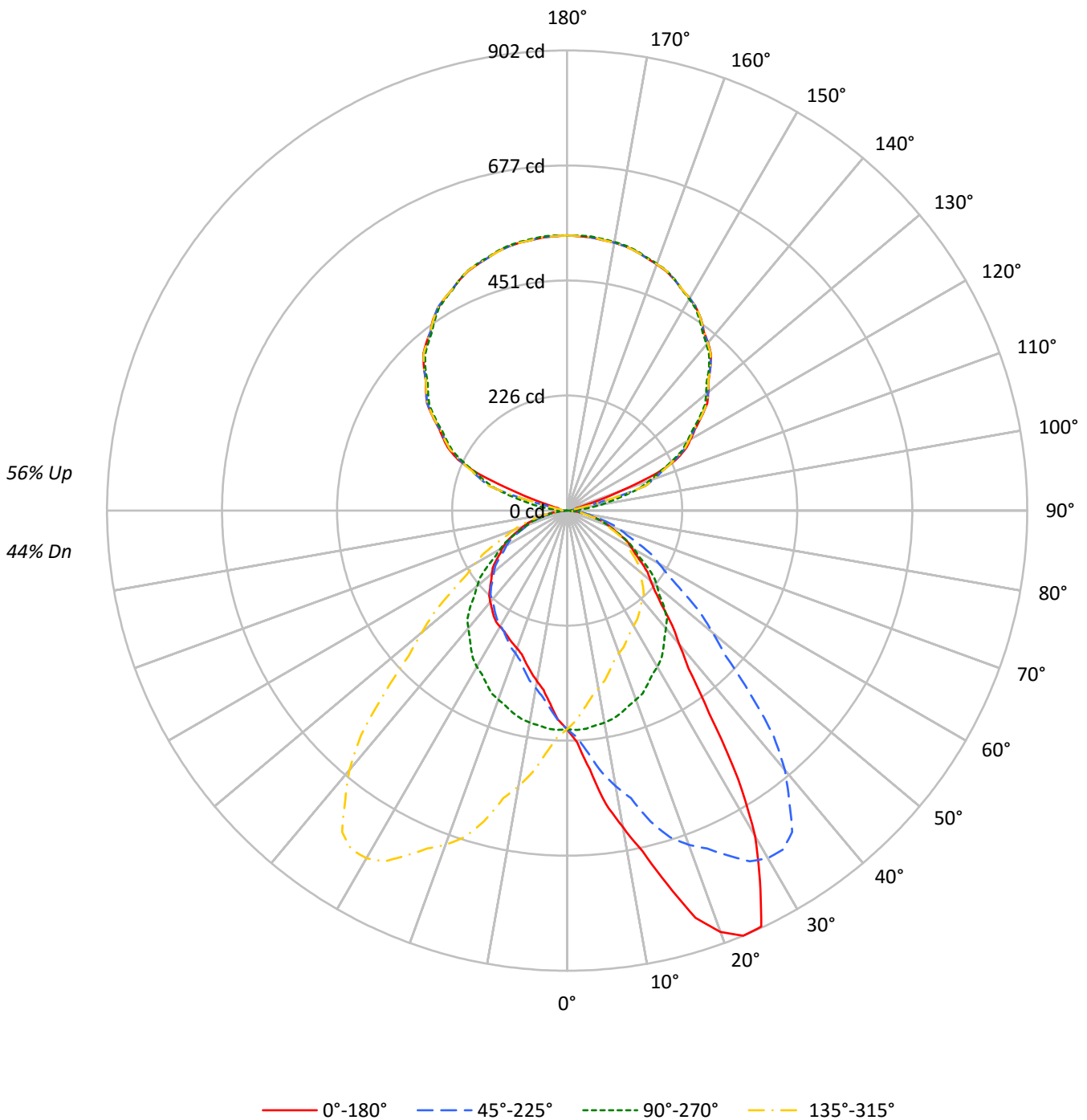
Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 |
| 1 | 97 | 93 | 89 | 85 | 88 | 85 | 82 | 79 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 38 |
| 2 | 88 | 81 | 75 | 70 | 81 | 74 | 69 | 65 | 62 | 58 | 55 | 51 | 48 | 46 | 40 | 38 | 37 | 32 |
| 3 | 81 | 71 | 64 | 59 | 74 | 66 | 59 | 54 | 55 | 50 | 47 | 45 | 42 | 39 | 36 | 33 | 32 | 27 |
| 4 | 74 | 63 | 56 | 50 | 67 | 58 | 52 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5 | 68 | 56 | 48 | 43 | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 21 |
| 6 | 62 | 51 | 43 | 37 | 57 | 47 | 40 | 35 | 39 | 34 | 30 | 33 | 29 | 25 | 26 | 23 | 21 | 18 |
| 7 | 58 | 46 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 23 | 24 | 21 | 19 | 16 |
| 8 | 53 | 41 | 34 | 29 | 49 | 38 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10 | 46 | 35 | 27 | 23 | 43 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 4614 | 4614 | 4614 | 4614 |
| 5° | 5503 | 4635 | 4107 | 4635 |
| 10° | 6889 | 4612 | 3711 | 4612 |
| 15° | 8449 | 4574 | 3455 | 4574 |
| 20° | 10065 | 4517 | 3289 | 4517 |
| 25° | 10688 | 4445 | 3252 | 4445 |
| 30° | 9161 | 4395 | 3269 | 4395 |
| 35° | 6370 | 4322 | 3303 | 4322 |
| 40° | 4799 | 4235 | 3292 | 4235 |
| 45° | 3984 | 4107 | 3252 | 4107 |
| 50° | 3569 | 3848 | 3220 | 3848 |
| 55° | 3337 | 3567 | 3181 | 3567 |
| 60° | 3130 | 3272 | 3147 | 3272 |
| 65° | 2942 | 2985 | 3049 | 2985 |
| 70° | 2760 | 2656 | 2902 | 2656 |
| 75° | 2470 | 2325 | 2662 | 2325 |
| 80° | 2163 | 1909 | 2294 | 1909 |
| 85° | 1692 | 1383 | 1544 | 1383 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.2 | 1.4 |
| 10°-20° | 135.4 | 4.6 |
| 20°-30° | 227.3 | 7.7 |
| 30°-40° | 257.4 | 8.8 |
| 40°-50° | 230.8 | 7.9 |
| 50°-60° | 186.3 | 6.3 |
| 60°-70° | 129.8 | 4.4 |
| 70°-80° | 68.2 | 2.3 |
| 80°-90° | 18.2 | 0.6 |
| 90°-100° | 19.6 | 0.7 |
| 100°-110° | 93.4 | 3.2 |
| 110°-120° | 224.4 | 7.6 |
| 120°-130° | 285.8 | 9.7 |
| 130°-140° | 305.4 | 10.4 |
| 140°-150° | 285.5 | 9.7 |
| 150°-160° | 230.3 | 7.8 |
| 160°-170° | 148.7 | 5.1 |
| 170°-180° | 51.2 | 1.7 |
| 0°-30° | 405.0 | 13.8 |
| 0°-40° | 662.4 | 22.5 |
| 0°-60° | 1079.4 | 36.7 |
| 0°-90° | 1295.6 | 44.1 |
| 90°-120° | 337.5 | 11.5 |
| 90°-150° | 1214.2 | 41.3 |
| 90°-180° | 1644.0 | 55.9 |
| 0°-180° | 2940.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 429 | 429 | 429 | 429 | 429 | |
| 5° | 509 | 429 | 380 | 429 | 509 | 53 |
| 15° | 758 | 410 | 310 | 410 | 758 | 219 |
| 25° | 900 | 374 | 274 | 374 | 900 | 395 |
| 35° | 485 | 329 | 251 | 329 | 485 | 315 |
| 45° | 262 | 270 | 214 | 270 | 262 | 207 |
| 55° | 178 | 190 | 170 | 190 | 178 | 160 |
| 65° | 116 | 117 | 120 | 117 | 116 | 115 |
| 75° | 59 | 56 | 64 | 56 | 59 | 64 |
| 85° | 14 | 11 | 12 | 11 | 14 | 17 |
| 90° | 12 | 0 | 12 | 0 | 12 | 6 |
| 95° | 15 | 24 | 15 | 24 | 15 | 13 |
| 105° | 18 | 119 | 18 | 119 | 18 | 40 |
| 115° | 236 | 224 | 236 | 224 | 236 | 218 |
| 125° | 322 | 316 | 322 | 316 | 322 | 288 |
| 135° | 397 | 393 | 397 | 393 | 397 | 306 |
| 145° | 458 | 454 | 458 | 454 | 458 | 286 |
| 155° | 499 | 500 | 499 | 500 | 499 | 230 |
| 165° | 526 | 527 | 526 | 527 | 526 | 148 |
| 175° | 537 | 539 | 537 | 539 | 537 | 51 |
| 180° | 539 | 539 | 539 | 539 | 539 | |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 |
| 2.5° | 455.0 | 454.7 | 453.9 | 454.5 | 453.2 | 451.4 | 451.2 | 449.5 | 444.7 | 444.4 | 443.1 |
| 5° | 509.3 | 507.7 | 507.5 | 507.3 | 504.4 | 500.4 | 492.9 | 492.3 | 482.3 | 477.4 | 471.4 |
| 7.5° | 579.8 | 580.6 | 577.6 | 575.0 | 566.1 | 560.2 | 552.1 | 541.9 | 529.7 | 517.2 | 509.0 |
| 10° | 630.3 | 637.1 | 628.7 | 622.8 | 617.4 | 607.3 | 595.4 | 580.6 | 565.9 | 548.7 | 535.6 |
| 12.5° | 684.5 | 687.8 | 686.1 | 680.6 | 672.3 | 656.7 | 635.8 | 619.5 | 605.9 | 577.2 | 565.6 |
| 15° | 758.2 | 770.9 | 762.8 | 744.1 | 744.5 | 729.8 | 702.4 | 672.3 | 656.2 | 631.1 | 596.8 |
| 17.5° | 836.9 | 838.4 | 835.0 | 819.4 | 809.0 | 788.7 | 763.4 | 734.6 | 702.1 | 671.7 | 635.3 |
| 20° | 878.7 | 877.4 | 870.2 | 862.1 | 844.3 | 828.5 | 800.8 | 768.7 | 727.1 | 697.1 | 657.5 |
| 22.5° | 902.0 | 899.9 | 896.4 | 889.7 | 874.9 | 857.9 | 833.0 | 797.9 | 758.3 | 717.1 | 671.3 |
| 25° | 899.9 | 902.6 | 903.0 | 901.2 | 896.0 | 885.8 | 866.3 | 838.2 | 798.8 | 745.7 | 698.0 |
| 27.5° | 818.5 | 822.3 | 833.4 | 843.3 | 854.3 | 865.5 | 864.0 | 850.1 | 820.8 | 775.1 | 716.7 |
| 30° | 737.1 | 728.7 | 749.3 | 775.3 | 792.9 | 824.1 | 841.5 | 842.6 | 826.2 | 786.9 | 730.0 |
| 32.5° | 624.0 | 633.2 | 642.3 | 674.2 | 712.8 | 747.8 | 782.6 | 810.5 | 813.7 | 787.6 | 737.8 |
| 35° | 484.8 | 496.3 | 512.9 | 529.5 | 571.1 | 606.8 | 667.9 | 721.0 | 763.4 | 769.0 | 738.5 |
| 37.5° | 390.7 | 396.4 | 406.9 | 423.6 | 450.7 | 493.1 | 540.3 | 607.5 | 669.0 | 714.6 | 716.6 |
| 40° | 341.5 | 343.2 | 355.0 | 367.7 | 389.7 | 424.6 | 467.2 | 526.6 | 600.1 | 664.0 | 690.5 |
| 42.5° | 304.6 | 308.3 | 313.3 | 325.5 | 343.0 | 369.3 | 408.8 | 458.0 | 525.4 | 598.8 | 650.8 |
| 45° | 261.7 | 265.9 | 269.0 | 277.1 | 289.6 | 307.3 | 334.8 | 379.8 | 431.1 | 506.8 | 576.8 |
| 47.5° | 233.4 | 233.7 | 236.0 | 242.2 | 250.7 | 263.9 | 283.5 | 312.3 | 359.4 | 420.9 | 492.8 |
| 50° | 213.1 | 216.4 | 217.3 | 222.0 | 228.7 | 238.4 | 254.7 | 279.2 | 317.8 | 371.8 | 437.9 |
| 52.5° | 198.9 | 199.8 | 202.2 | 205.6 | 211.4 | 219.0 | 233.1 | 252.3 | 282.6 | 328.7 | 389.4 |
| 55° | 177.8 | 177.8 | 180.1 | 182.8 | 186.1 | 193.0 | 202.3 | 216.4 | 239.5 | 275.3 | 325.6 |
| 57.5° | 158.4 | 159.4 | 161.0 | 161.8 | 164.7 | 169.2 | 177.0 | 187.8 | 204.9 | 232.5 | 272.4 |
| 60° | 145.4 | 147.3 | 147.0 | 148.7 | 151.2 | 154.8 | 161.4 | 170.1 | 185.5 | 207.5 | 241.2 |
| 62.5° | 134.1 | 134.0 | 133.9 | 136.0 | 138.4 | 141.8 | 146.2 | 153.6 | 166.7 | 186.3 | 214.9 |
| 65° | 115.5 | 115.1 | 116.5 | 117.8 | 118.6 | 121.1 | 124.4 | 131.1 | 139.8 | 154.4 | 176.6 |
| 67.5° | 99.0 | 97.7 | 98.5 | 99.0 | 100.4 | 102.4 | 105.5 | 109.6 | 116.5 | 128.1 | 144.9 |
| 70° | 87.7 | 86.6 | 86.4 | 86.9 | 88.1 | 89.5 | 91.8 | 95.8 | 102.2 | 111.6 | 123.8 |
| 72.5° | 76.1 | 75.3 | 75.3 | 76.2 | 76.8 | 77.8 | 79.4 | 82.9 | 88.1 | 95.1 | 106.6 |
| 75° | 59.4 | 59.4 | 59.4 | 59.7 | 60.3 | 61.1 | 62.3 | 64.2 | 68.1 | 73.1 | 80.8 |
| 77.5° | 44.5 | 44.5 | 44.2 | 44.2 | 45.1 | 45.5 | 45.7 | 47.5 | 49.8 | 53.1 | 58.7 |
| 80° | 34.9 | 33.9 | 34.2 | 34.9 | 35.3 | 35.5 | 36.1 | 36.6 | 38.4 | 40.3 | 44.2 |
| 82.5° | 25.9 | 25.1 | 25.1 | 26.1 | 26.2 | 26.4 | 27.0 | 27.6 | 28.3 | 30.0 | 32.1 |
| 85° | 13.7 | 13.7 | 13.9 | 13.9 | 14.1 | 13.9 | 14.5 | 14.7 | 14.7 | 15.8 | 17.0 |
| 87.5° | 7.4 | 7.0 | 7.1 | 7.3 | 7.0 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.5 |
| 90° | 12.0 | 11.9 | 11.7 | 11.5 | 11.3 | 11.1 | 10.7 | 10.3 | 10.0 | 9.6 | 8.5 |
| 92.5° | 13.3 | 13.2 | 13.1 | 13.0 | 12.8 | 12.6 | 11.9 | 11.4 | 10.8 | 10.3 | 9.4 |
| 95° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 14.9 | 14.3 | 13.6 | 13.0 | 12.4 | 11.4 |
| 97.5° | 16.5 | 16.4 | 16.3 | 16.2 | 16.1 | 15.8 | 15.1 | 14.4 | 13.6 | 12.9 | 19.4 |
| 100° | 16.9 | 16.8 | 16.7 | 16.6 | 16.5 | 16.1 | 15.3 | 14.6 | 13.9 | 13.2 | 27.1 |
| 102.5° | 17.1 | 16.9 | 16.9 | 16.7 | 16.5 | 17.6 | 19.7 | 21.9 | 24.2 | 26.4 | 41.6 |
| 105° | 17.7 | 17.5 | 17.3 | 17.1 | 16.9 | 24.7 | 40.5 | 56.2 | 72.0 | 87.7 | 95.8 |
| 107.5° | 55.4 | 67.2 | 79.1 | 91.0 | 102.9 | 114.6 | 126.2 | 137.7 | 149.3 | 160.8 | 159.5 |
| 110° | 110.2 | 122.9 | 135.6 | 148.4 | 161.1 | 168.9 | 171.8 | 174.8 | 177.7 | 180.7 | 179.7 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 189.0 | 191.7 | 194.4 | 197.1 | 199.7 | 201.1 | 201.0 | 201.0 | 200.9 | 200.9 | 199.9 |
| 115° | 235.6 | 235.2 | 234.9 | 234.5 | 234.2 | 233.5 | 232.6 | 231.8 | 230.9 | 230.0 | 229.2 |
| 117.5° | 261.7 | 261.6 | 261.5 | 261.4 | 261.4 | 261.0 | 260.3 | 259.6 | 258.9 | 258.2 | 257.8 |
| 120° | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.3 | 278.6 | 277.9 | 277.1 | 276.4 | 276.2 |
| 122.5° | 297.3 | 297.2 | 297.1 | 297.0 | 296.9 | 296.7 | 296.2 | 295.7 | 295.2 | 294.7 | 294.4 |
| 125° | 322.1 | 321.9 | 321.7 | 321.6 | 321.4 | 321.2 | 321.0 | 320.8 | 320.7 | 320.5 | 320.1 |
| 127.5° | 346.0 | 346.2 | 346.3 | 346.5 | 346.7 | 346.6 | 346.3 | 346.1 | 345.8 | 345.5 | 345.1 |
| 130° | 361.3 | 361.5 | 361.7 | 361.9 | 362.0 | 361.9 | 361.6 | 361.2 | 360.9 | 360.5 | 360.3 |
| 132.5° | 375.5 | 375.7 | 375.9 | 376.2 | 376.5 | 376.4 | 376.0 | 375.7 | 375.3 | 375.0 | 374.7 |
| 135° | 397.0 | 397.3 | 397.5 | 397.8 | 398.1 | 398.1 | 397.8 | 397.5 | 397.3 | 397.0 | 396.6 |
| 137.5° | 417.3 | 417.5 | 417.7 | 417.9 | 418.0 | 417.9 | 417.4 | 417.1 | 416.6 | 416.2 | 416.0 |
| 140° | 429.4 | 429.6 | 429.8 | 430.0 | 430.2 | 430.1 | 429.7 | 429.4 | 429.0 | 428.6 | 428.4 |
| 142.5° | 440.7 | 441.0 | 441.2 | 441.4 | 441.7 | 441.7 | 441.4 | 441.1 | 440.8 | 440.5 | 440.2 |
| 145° | 457.9 | 457.9 | 457.9 | 457.9 | 457.9 | 457.8 | 457.6 | 457.4 | 457.3 | 457.1 | 456.9 |
| 147.5° | 470.7 | 471.2 | 471.5 | 472.0 | 472.3 | 472.5 | 472.3 | 472.2 | 472.0 | 471.8 | 471.6 |
| 150° | 480.4 | 480.6 | 480.9 | 481.2 | 481.4 | 481.4 | 481.3 | 481.1 | 480.9 | 480.7 | 480.5 |
| 152.5° | 488.0 | 488.5 | 488.8 | 489.3 | 489.6 | 489.7 | 489.4 | 489.1 | 488.7 | 488.5 | 488.3 |
| 155° | 498.8 | 499.3 | 499.8 | 500.3 | 500.9 | 501.0 | 500.5 | 500.1 | 499.6 | 499.2 | 499.1 |
| 157.5° | 507.8 | 508.5 | 509.3 | 509.9 | 510.6 | 510.7 | 510.1 | 509.6 | 509.1 | 508.5 | 508.6 |
| 160° | 513.6 | 514.2 | 514.9 | 515.5 | 516.1 | 516.1 | 515.6 | 515.1 | 514.5 | 514.0 | 514.1 |
| 162.5° | 519.1 | 519.6 | 520.1 | 520.7 | 521.3 | 521.2 | 520.7 | 520.0 | 519.4 | 518.8 | 518.9 |
| 165° | 525.7 | 526.3 | 526.9 | 527.4 | 528.1 | 528.1 | 527.4 | 526.6 | 525.9 | 525.2 | 525.3 |
| 167.5° | 530.4 | 531.1 | 531.8 | 532.4 | 533.2 | 533.2 | 532.4 | 531.8 | 531.1 | 530.4 | 530.4 |
| 170° | 533.2 | 534.0 | 534.7 | 535.4 | 536.1 | 536.1 | 535.4 | 534.7 | 534.0 | 533.2 | 533.2 |
| 172.5° | 534.8 | 535.7 | 536.4 | 537.2 | 538.0 | 538.0 | 537.3 | 536.5 | 535.8 | 535.1 | 535.1 |
| 175° | 537.3 | 538.0 | 538.7 | 539.4 | 540.1 | 540.1 | 539.5 | 538.9 | 538.2 | 537.6 | 537.5 |
| 177.5° | 538.0 | 538.7 | 539.4 | 540.1 | 540.8 | 540.9 | 540.3 | 539.8 | 539.1 | 538.6 | 538.5 |
| 180° | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 |
| 2.5° | 442.0 | 440.8 | 439.4 | 437.1 | 435.1 | 432.3 | 431.4 | 430.4 | 427.4 | 424.8 | 422.8 |
| 5° | 469.0 | 464.0 | 456.8 | 450.1 | 444.8 | 437.5 | 433.4 | 429.0 | 422.8 | 417.1 | 412.6 |
| 7.5° | 497.3 | 487.5 | 476.2 | 464.0 | 452.6 | 441.7 | 432.8 | 424.9 | 416.2 | 408.0 | 401.4 |
| 10° | 519.8 | 505.6 | 489.8 | 472.8 | 458.3 | 444.2 | 432.3 | 422.0 | 410.7 | 400.9 | 392.8 |
| 12.5° | 545.4 | 524.4 | 502.7 | 482.0 | 464.8 | 445.1 | 430.8 | 417.6 | 404.8 | 393.2 | 384.1 |
| 15° | 575.6 | 549.0 | 523.3 | 494.8 | 468.7 | 444.2 | 427.1 | 410.5 | 395.7 | 383.7 | 372.0 |
| 17.5° | 603.2 | 573.1 | 539.1 | 504.5 | 473.0 | 443.9 | 420.1 | 401.3 | 382.8 | 368.1 | 356.5 |
| 20° | 618.8 | 584.6 | 546.2 | 510.2 | 475.3 | 442.9 | 416.7 | 394.3 | 374.3 | 358.7 | 345.7 |
| 22.5° | 632.3 | 592.2 | 552.4 | 514.0 | 475.1 | 440.2 | 410.5 | 387.4 | 365.9 | 350.6 | 336.7 |
| 25° | 646.3 | 598.2 | 558.4 | 513.4 | 469.9 | 433.7 | 400.6 | 374.3 | 352.8 | 334.8 | 320.6 |
| 27.5° | 658.3 | 597.9 | 550.5 | 502.0 | 461.6 | 425.4 | 389.9 | 361.9 | 338.9 | 319.5 | 305.0 |
| 30° | 666.2 | 598.7 | 542.4 | 494.5 | 453.7 | 416.3 | 381.8 | 353.6 | 329.5 | 309.8 | 296.0 |
| 32.5° | 671.2 | 598.2 | 534.9 | 483.8 | 441.0 | 408.0 | 373.0 | 343.8 | 319.0 | 299.6 | 286.4 |
| 35° | 674.1 | 594.5 | 522.0 | 461.8 | 420.7 | 388.4 | 359.2 | 328.9 | 302.9 | 284.8 | 269.8 |
| 37.5° | 668.2 | 586.8 | 507.1 | 440.6 | 395.6 | 363.9 | 339.2 | 313.4 | 288.6 | 268.7 | 255.7 |
| 40° | 659.2 | 581.8 | 495.4 | 425.6 | 378.3 | 347.8 | 326.8 | 301.4 | 276.9 | 258.0 | 245.9 |
| 42.5° | 641.7 | 571.8 | 482.7 | 409.0 | 360.3 | 329.8 | 310.5 | 289.3 | 266.1 | 248.3 | 236.3 |
| 45° | 599.1 | 549.7 | 463.4 | 384.1 | 333.9 | 302.3 | 285.3 | 269.8 | 248.9 | 231.7 | 221.2 |
| 47.5° | 540.0 | 516.5 | 435.7 | 357.8 | 306.1 | 275.8 | 258.1 | 245.8 | 230.4 | 216.4 | 206.5 |
| 50° | 499.0 | 489.2 | 417.0 | 339.8 | 287.8 | 258.0 | 240.9 | 229.8 | 218.7 | 204.8 | 195.7 |
| 52.5° | 451.7 | 457.6 | 395.0 | 321.3 | 268.9 | 239.7 | 223.7 | 214.8 | 204.8 | 193.3 | 185.4 |
| 55° | 385.0 | 406.7 | 357.1 | 290.0 | 240.9 | 213.1 | 198.0 | 190.1 | 184.2 | 175.8 | 168.9 |
| 57.5° | 322.5 | 350.3 | 316.1 | 257.8 | 213.5 | 189.5 | 175.0 | 166.4 | 162.6 | 158.2 | 152.8 |
| 60° | 285.4 | 312.8 | 286.9 | 236.2 | 195.1 | 172.2 | 159.3 | 152.0 | 148.3 | 145.2 | 140.6 |
| 62.5° | 252.4 | 280.1 | 258.3 | 214.3 | 176.9 | 155.8 | 144.5 | 137.4 | 134.6 | 133.0 | 129.0 |
| 65° | 206.9 | 230.8 | 216.2 | 180.1 | 151.1 | 132.3 | 122.2 | 117.2 | 114.5 | 113.9 | 111.4 |
| 67.5° | 168.4 | 186.5 | 176.0 | 149.4 | 126.5 | 110.4 | 101.7 | 97.5 | 95.4 | 95.1 | 93.3 |
| 70° | 143.1 | 160.2 | 152.0 | 128.0 | 108.3 | 95.6 | 88.1 | 84.4 | 83.1 | 82.9 | 81.9 |
| 72.5° | 123.5 | 135.4 | 128.9 | 108.9 | 93.6 | 82.1 | 76.6 | 72.7 | 71.3 | 71.6 | 70.9 |
| 75° | 91.4 | 100.3 | 96.6 | 82.7 | 70.4 | 63.0 | 58.4 | 55.9 | 54.7 | 55.3 | 54.4 |
| 77.5° | 65.8 | 71.4 | 68.0 | 58.4 | 50.8 | 45.5 | 42.1 | 40.6 | 39.4 | 39.4 | 39.1 |
| 80° | 49.7 | 53.0 | 51.1 | 45.3 | 39.1 | 34.5 | 31.7 | 30.8 | 30.1 | 29.9 | 29.7 |
| 82.5° | 35.4 | 38.2 | 35.9 | 32.0 | 27.7 | 25.0 | 23.5 | 22.1 | 21.7 | 21.8 | 21.6 |
| 85° | 17.8 | 18.9 | 18.1 | 15.6 | 13.9 | 12.7 | 11.9 | 11.2 | 10.8 | 11.0 | 10.6 |
| 87.5° | 7.6 | 7.6 | 6.8 | 6.0 | 5.4 | 4.7 | 4.5 | 4.1 | 3.9 | 4.1 | 4.1 |
| 90° | 7.3 | 6.2 | 5.0 | 3.9 | 3.0 | 2.1 | 1.2 | 0.4 | 1.2 | 2.1 | 3.0 |
| 92.5° | 8.5 | 7.7 | 6.8 | 6.4 | 6.7 | 7.0 | 7.2 | 7.5 | 7.2 | 7.0 | 6.7 |
| 95° | 10.4 | 9.5 | 8.5 | 9.8 | 13.5 | 17.1 | 20.8 | 24.4 | 20.8 | 17.1 | 13.5 |
| 97.5° | 25.7 | 32.1 | 38.5 | 42.5 | 44.2 | 45.8 | 47.4 | 49.1 | 47.4 | 45.8 | 44.2 |
| 100° | 41.0 | 54.9 | 68.8 | 74.8 | 73.0 | 71.2 | 69.5 | 67.7 | 69.5 | 71.2 | 73.0 |
| 102.5° | 56.7 | 71.9 | 87.0 | 94.0 | 92.7 | 91.4 | 90.2 | 88.8 | 90.2 | 91.4 | 92.7 |
| 105° | 103.8 | 111.7 | 119.8 | 123.3 | 122.3 | 121.4 | 120.4 | 119.4 | 120.4 | 121.4 | 122.3 |
| 107.5° | 158.3 | 157.0 | 155.8 | 154.7 | 153.9 | 153.2 | 152.4 | 151.6 | 152.4 | 153.2 | 153.9 |
| 110° | 178.7 | 177.7 | 176.7 | 175.9 | 175.2 | 174.5 | 173.8 | 173.1 | 173.8 | 174.5 | 175.2 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 198.9 | 198.0 | 197.0 | 196.2 | 195.5 | 194.8 | 194.2 | 193.6 | 194.2 | 194.8 | 195.5 |
| 115° | 228.4 | 227.6 | 226.8 | 226.0 | 225.5 | 225.0 | 224.4 | 223.9 | 224.4 | 225.0 | 225.5 |
| 117.5° | 257.3 | 256.9 | 256.5 | 256.0 | 255.3 | 254.7 | 254.0 | 253.3 | 254.0 | 254.7 | 255.3 |
| 120° | 275.9 | 275.6 | 275.4 | 274.8 | 274.0 | 273.2 | 272.4 | 271.6 | 272.4 | 273.2 | 274.0 |
| 122.5° | 294.0 | 293.7 | 293.4 | 292.8 | 292.2 | 291.5 | 290.9 | 290.3 | 290.9 | 291.5 | 292.2 |
| 125° | 319.8 | 319.4 | 319.1 | 318.5 | 317.8 | 317.1 | 316.4 | 315.7 | 316.4 | 317.1 | 317.8 |
| 127.5° | 344.6 | 344.2 | 343.8 | 343.2 | 342.5 | 341.8 | 341.1 | 340.4 | 341.1 | 341.8 | 342.5 |
| 130° | 359.9 | 359.5 | 359.2 | 358.6 | 357.9 | 357.2 | 356.5 | 355.8 | 356.5 | 357.2 | 357.9 |
| 132.5° | 374.4 | 374.2 | 373.8 | 373.4 | 372.6 | 371.9 | 371.2 | 370.5 | 371.2 | 371.9 | 372.6 |
| 135° | 396.3 | 395.9 | 395.6 | 395.1 | 394.6 | 394.0 | 393.5 | 393.0 | 393.5 | 394.0 | 394.6 |
| 137.5° | 415.8 | 415.6 | 415.4 | 414.9 | 414.3 | 413.6 | 413.0 | 412.2 | 413.0 | 413.6 | 414.3 |
| 140° | 428.1 | 427.8 | 427.6 | 427.2 | 426.7 | 426.1 | 425.6 | 425.1 | 425.6 | 426.1 | 426.7 |
| 142.5° | 440.0 | 439.7 | 439.4 | 439.1 | 438.5 | 438.0 | 437.5 | 436.9 | 437.5 | 438.0 | 438.5 |
| 145° | 456.7 | 456.6 | 456.4 | 456.0 | 455.4 | 454.8 | 454.1 | 453.5 | 454.1 | 454.8 | 455.4 |
| 147.5° | 471.4 | 471.3 | 471.1 | 470.7 | 470.4 | 469.9 | 469.6 | 469.1 | 469.6 | 469.9 | 470.4 |
| 150° | 480.4 | 480.2 | 480.0 | 479.8 | 479.6 | 479.3 | 479.0 | 478.8 | 479.0 | 479.3 | 479.6 |
| 152.5° | 488.2 | 488.1 | 488.0 | 487.9 | 487.8 | 487.7 | 487.5 | 487.4 | 487.5 | 487.7 | 487.8 |
| 155° | 499.0 | 498.9 | 498.8 | 498.9 | 499.1 | 499.2 | 499.4 | 499.5 | 499.4 | 499.2 | 499.1 |
| 157.5° | 508.7 | 508.8 | 508.9 | 509.0 | 509.0 | 509.0 | 509.0 | 509.1 | 509.0 | 509.0 | 509.0 |
| 160° | 514.2 | 514.2 | 514.3 | 514.4 | 514.5 | 514.6 | 514.7 | 514.8 | 514.7 | 514.6 | 514.5 |
| 162.5° | 519.0 | 519.1 | 519.2 | 519.3 | 519.6 | 519.8 | 520.0 | 520.2 | 520.0 | 519.8 | 519.6 |
| 165° | 525.4 | 525.5 | 525.6 | 525.8 | 526.0 | 526.3 | 526.6 | 526.8 | 526.6 | 526.3 | 526.0 |
| 167.5° | 530.4 | 530.4 | 530.4 | 530.6 | 530.9 | 531.3 | 531.6 | 532.0 | 531.6 | 531.3 | 530.9 |
| 170° | 533.2 | 533.2 | 533.2 | 533.4 | 533.8 | 534.1 | 534.5 | 534.8 | 534.5 | 534.1 | 533.8 |
| 172.5° | 535.0 | 534.9 | 534.8 | 535.0 | 535.5 | 535.9 | 536.4 | 536.7 | 536.4 | 535.9 | 535.5 |
| 175° | 537.4 | 537.3 | 537.3 | 537.4 | 537.9 | 538.3 | 538.8 | 539.2 | 538.8 | 538.3 | 537.9 |
| 177.5° | 538.4 | 538.4 | 538.3 | 538.4 | 538.8 | 539.1 | 539.5 | 539.8 | 539.5 | 539.1 | 538.8 |
| 180° | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 |
| 2.5° | 421.6 | 420.4 | 418.8 | 416.3 | 414.3 | 411.2 | 411.2 | 411.6 | 411.6 | 411.5 | 411.2 |
| 5° | 408.8 | 405.7 | 402.0 | 397.6 | 393.1 | 388.4 | 387.6 | 385.9 | 384.8 | 383.9 | 382.9 |
| 7.5° | 395.3 | 389.8 | 384.3 | 378.3 | 372.6 | 368.1 | 364.9 | 362.2 | 360.5 | 358.6 | 357.3 |
| 10° | 386.2 | 379.3 | 372.9 | 366.5 | 359.4 | 353.7 | 350.3 | 347.8 | 345.9 | 344.2 | 343.4 |
| 12.5° | 375.4 | 367.6 | 360.4 | 354.3 | 346.6 | 340.8 | 337.4 | 336.3 | 334.1 | 330.6 | 328.8 |
| 15° | 359.6 | 352.3 | 343.8 | 334.5 | 330.7 | 323.7 | 319.7 | 317.8 | 316.6 | 313.9 | 313.1 |
| 17.5° | 346.1 | 336.6 | 327.0 | 320.0 | 313.1 | 307.4 | 305.1 | 302.8 | 301.2 | 299.0 | 298.3 |
| 20° | 335.3 | 326.8 | 318.1 | 310.6 | 303.3 | 297.0 | 295.2 | 293.6 | 291.9 | 290.9 | 290.0 |
| 22.5° | 324.3 | 315.8 | 308.5 | 301.6 | 293.8 | 289.7 | 287.8 | 285.9 | 284.7 | 284.0 | 283.2 |
| 25° | 308.9 | 301.4 | 293.3 | 287.1 | 280.9 | 278.1 | 276.9 | 275.9 | 275.0 | 274.0 | 273.8 |
| 27.5° | 295.2 | 287.0 | 280.4 | 274.6 | 270.1 | 267.9 | 266.6 | 266.2 | 266.4 | 266.7 | 267.0 |
| 30° | 284.8 | 277.3 | 272.0 | 267.0 | 262.8 | 260.7 | 260.5 | 260.5 | 261.4 | 261.5 | 262.0 |
| 32.5° | 275.4 | 269.2 | 263.8 | 259.0 | 255.8 | 254.4 | 255.2 | 255.2 | 255.8 | 256.4 | 257.2 |
| 35° | 261.5 | 256.1 | 252.0 | 247.8 | 245.1 | 245.8 | 246.2 | 246.6 | 247.6 | 248.9 | 249.7 |
| 37.5° | 248.3 | 243.7 | 239.3 | 236.1 | 234.9 | 235.9 | 237.0 | 237.8 | 239.1 | 240.0 | 240.9 |
| 40° | 238.9 | 235.3 | 231.2 | 228.3 | 228.7 | 229.3 | 230.2 | 231.2 | 232.3 | 232.9 | 233.7 |
| 42.5° | 230.1 | 226.4 | 223.2 | 220.8 | 221.4 | 222.2 | 222.7 | 223.2 | 224.4 | 225.6 | 226.0 |
| 45° | 216.7 | 213.7 | 210.9 | 209.4 | 209.8 | 210.3 | 210.6 | 211.2 | 212.3 | 213.1 | 213.4 |
| 47.5° | 201.6 | 199.6 | 197.6 | 196.2 | 196.9 | 196.7 | 197.2 | 198.6 | 198.9 | 199.4 | 200.5 |
| 50° | 192.0 | 190.1 | 187.8 | 187.3 | 187.3 | 187.3 | 187.6 | 189.2 | 189.2 | 190.1 | 190.9 |
| 52.5° | 181.3 | 180.1 | 178.7 | 177.9 | 177.5 | 177.5 | 178.4 | 179.2 | 179.6 | 180.7 | 181.6 |
| 55° | 165.6 | 164.3 | 163.1 | 162.5 | 162.0 | 162.5 | 164.1 | 164.5 | 165.6 | 166.2 | 166.8 |
| 57.5° | 149.2 | 148.2 | 147.2 | 146.9 | 146.8 | 147.3 | 148.2 | 149.5 | 149.7 | 151.7 | 152.6 |
| 60° | 138.4 | 136.9 | 136.1 | 136.1 | 135.6 | 137.5 | 137.1 | 139.2 | 139.6 | 140.9 | 142.3 |
| 62.5° | 127.2 | 125.3 | 124.9 | 124.9 | 125.6 | 126.1 | 126.6 | 127.5 | 128.7 | 130.2 | 131.3 |
| 65° | 109.2 | 108.3 | 109.7 | 109.5 | 109.1 | 110.3 | 110.3 | 111.4 | 112.6 | 114.0 | 116.4 |
| 67.5° | 92.3 | 91.8 | 91.8 | 91.8 | 92.5 | 93.2 | 93.8 | 94.7 | 96.2 | 97.7 | 99.2 |
| 70° | 80.8 | 81.4 | 80.4 | 81.2 | 81.9 | 82.0 | 82.5 | 83.7 | 85.3 | 86.4 | 88.1 |
| 72.5° | 69.6 | 69.6 | 69.7 | 70.1 | 70.7 | 71.1 | 71.5 | 72.9 | 74.7 | 75.6 | 77.0 |
| 75° | 53.6 | 53.4 | 54.0 | 54.0 | 55.0 | 55.5 | 55.9 | 56.5 | 58.1 | 59.4 | 60.5 |
| 77.5° | 39.1 | 39.4 | 39.2 | 39.9 | 39.7 | 39.8 | 41.0 | 41.6 | 41.8 | 44.3 | 44.9 |
| 80° | 29.5 | 29.9 | 30.1 | 30.3 | 30.5 | 30.1 | 31.6 | 32.2 | 32.2 | 33.6 | 34.7 |
| 82.5° | 21.2 | 21.4 | 21.9 | 22.2 | 22.2 | 22.6 | 22.7 | 23.2 | 23.7 | 24.3 | 25.7 |
| 85° | 10.6 | 11.2 | 11.4 | 11.2 | 11.4 | 11.0 | 11.6 | 11.9 | 12.0 | 12.0 | 12.0 |
| 87.5° | 4.1 | 4.5 | 4.5 | 5.0 | 5.0 | 5.4 | 5.5 | 5.3 | 5.3 | 5.9 | 5.3 |
| 90° | 3.9 | 5.0 | 6.2 | 7.3 | 8.5 | 9.6 | 10.0 | 10.3 | 10.7 | 11.1 | 11.3 |
| 92.5° | 6.4 | 6.8 | 7.7 | 8.5 | 9.4 | 10.3 | 10.8 | 11.4 | 11.9 | 12.6 | 12.8 |
| 95° | 9.8 | 8.5 | 9.5 | 10.4 | 11.4 | 12.4 | 13.0 | 13.6 | 14.3 | 14.9 | 15.2 |
| 97.5° | 42.5 | 38.5 | 32.1 | 25.7 | 19.4 | 12.9 | 13.6 | 14.4 | 15.1 | 15.8 | 16.1 |
| 100° | 74.8 | 68.8 | 54.9 | 41.0 | 27.1 | 13.2 | 13.9 | 14.6 | 15.3 | 16.1 | 16.5 |
| 102.5° | 94.0 | 87.0 | 71.9 | 56.7 | 41.6 | 26.4 | 24.2 | 21.9 | 19.7 | 17.6 | 16.5 |
| 105° | 123.3 | 119.8 | 111.7 | 103.8 | 95.8 | 87.7 | 72.0 | 56.2 | 40.5 | 24.7 | 16.9 |
| 107.5° | 154.7 | 155.8 | 157.0 | 158.3 | 159.5 | 160.8 | 149.3 | 137.7 | 126.2 | 114.6 | 102.9 |
| 110° | 175.9 | 176.7 | 177.7 | 178.7 | 179.7 | 180.7 | 177.7 | 174.8 | 171.8 | 168.9 | 161.1 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 196.2 | 197.0 | 198.0 | 198.9 | 199.9 | 200.9 | 200.9 | 201.0 | 201.0 | 201.1 | 199.7 |
| 115° | 226.0 | 226.8 | 227.6 | 228.4 | 229.2 | 230.0 | 230.9 | 231.8 | 232.6 | 233.5 | 234.2 |
| 117.5° | 256.0 | 256.5 | 256.9 | 257.3 | 257.8 | 258.2 | 258.9 | 259.6 | 260.3 | 261.0 | 261.4 |
| 120° | 274.8 | 275.4 | 275.6 | 275.9 | 276.2 | 276.4 | 277.1 | 277.9 | 278.6 | 279.3 | 279.6 |
| 122.5° | 292.8 | 293.4 | 293.7 | 294.0 | 294.4 | 294.7 | 295.2 | 295.7 | 296.2 | 296.7 | 296.9 |
| 125° | 318.5 | 319.1 | 319.4 | 319.8 | 320.1 | 320.5 | 320.7 | 320.8 | 321.0 | 321.2 | 321.4 |
| 127.5° | 343.2 | 343.8 | 344.2 | 344.6 | 345.1 | 345.5 | 345.8 | 346.1 | 346.3 | 346.6 | 346.7 |
| 130° | 358.6 | 359.2 | 359.5 | 359.9 | 360.3 | 360.5 | 360.9 | 361.2 | 361.6 | 361.9 | 362.0 |
| 132.5° | 373.4 | 373.8 | 374.2 | 374.4 | 374.7 | 375.0 | 375.3 | 375.7 | 376.0 | 376.4 | 376.5 |
| 135° | 395.1 | 395.6 | 395.9 | 396.3 | 396.6 | 397.0 | 397.3 | 397.5 | 397.8 | 398.1 | 398.1 |
| 137.5° | 414.9 | 415.4 | 415.6 | 415.8 | 416.0 | 416.2 | 416.6 | 417.1 | 417.4 | 417.9 | 418.0 |
| 140° | 427.2 | 427.6 | 427.8 | 428.1 | 428.4 | 428.6 | 429.0 | 429.4 | 429.7 | 430.1 | 430.2 |
| 142.5° | 439.1 | 439.4 | 439.7 | 440.0 | 440.2 | 440.5 | 440.8 | 441.1 | 441.4 | 441.7 | 441.7 |
| 145° | 456.0 | 456.4 | 456.6 | 456.7 | 456.9 | 457.1 | 457.3 | 457.4 | 457.6 | 457.8 | 457.9 |
| 147.5° | 470.7 | 471.1 | 471.3 | 471.4 | 471.6 | 471.8 | 472.0 | 472.2 | 472.3 | 472.5 | 472.3 |
| 150° | 479.8 | 480.0 | 480.2 | 480.4 | 480.5 | 480.7 | 480.9 | 481.1 | 481.3 | 481.4 | 481.4 |
| 152.5° | 487.9 | 488.0 | 488.1 | 488.2 | 488.3 | 488.5 | 488.7 | 489.1 | 489.4 | 489.7 | 489.6 |
| 155° | 498.9 | 498.8 | 498.9 | 499.0 | 499.1 | 499.2 | 499.6 | 500.1 | 500.5 | 501.0 | 500.9 |
| 157.5° | 509.0 | 508.9 | 508.8 | 508.7 | 508.6 | 508.5 | 509.1 | 509.6 | 510.1 | 510.7 | 510.6 |
| 160° | 514.4 | 514.3 | 514.2 | 514.2 | 514.1 | 514.0 | 514.5 | 515.1 | 515.6 | 516.1 | 516.1 |
| 162.5° | 519.3 | 519.2 | 519.1 | 519.0 | 518.9 | 518.8 | 519.4 | 520.0 | 520.7 | 521.2 | 521.3 |
| 165° | 525.8 | 525.6 | 525.5 | 525.4 | 525.3 | 525.2 | 525.9 | 526.6 | 527.4 | 528.1 | 528.1 |
| 167.5° | 530.6 | 530.4 | 530.4 | 530.4 | 530.4 | 530.4 | 531.1 | 531.8 | 532.4 | 533.2 | 533.2 |
| 170° | 533.4 | 533.2 | 533.2 | 533.2 | 533.2 | 533.2 | 534.0 | 534.7 | 535.4 | 536.1 | 536.1 |
| 172.5° | 535.0 | 534.8 | 534.9 | 535.0 | 535.1 | 535.1 | 535.8 | 536.5 | 537.3 | 538.0 | 538.0 |
| 175° | 537.4 | 537.3 | 537.3 | 537.4 | 537.5 | 537.6 | 538.2 | 538.9 | 539.5 | 540.1 | 540.1 |
| 177.5° | 538.4 | 538.3 | 538.4 | 538.4 | 538.5 | 538.6 | 539.1 | 539.8 | 540.3 | 540.9 | 540.8 |
| 180° | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 |
| 2.5° | 410.0 | 409.8 | 411.0 | 410.2 | 411.0 | 409.8 | 410.0 | 411.2 | 411.5 | 411.6 | 411.6 |
| 5° | 381.7 | 382.3 | 380.1 | 380.1 | 380.1 | 382.3 | 381.7 | 382.9 | 383.9 | 384.8 | 385.9 |
| 7.5° | 356.3 | 355.4 | 355.5 | 354.4 | 355.5 | 355.4 | 356.3 | 357.3 | 358.6 | 360.5 | 362.2 |
| 10° | 340.9 | 339.7 | 339.2 | 339.5 | 339.2 | 339.7 | 340.9 | 343.4 | 344.2 | 345.9 | 347.8 |
| 12.5° | 328.1 | 327.9 | 325.1 | 325.1 | 325.1 | 327.9 | 328.1 | 328.8 | 330.6 | 334.1 | 336.3 |
| 15° | 313.1 | 309.2 | 308.7 | 310.0 | 308.7 | 309.2 | 313.1 | 313.1 | 313.9 | 316.6 | 317.8 |
| 17.5° | 298.0 | 295.9 | 296.0 | 295.4 | 296.0 | 295.9 | 298.0 | 298.3 | 299.0 | 301.2 | 302.8 |
| 20° | 290.0 | 288.7 | 288.6 | 287.1 | 288.6 | 288.7 | 290.0 | 290.0 | 290.9 | 291.9 | 293.6 |
| 22.5° | 282.7 | 282.3 | 282.4 | 280.8 | 282.4 | 282.3 | 282.7 | 283.2 | 284.0 | 284.7 | 285.9 |
| 25° | 273.6 | 274.6 | 273.8 | 273.8 | 273.8 | 274.6 | 273.6 | 273.8 | 274.0 | 275.0 | 275.9 |
| 27.5° | 267.4 | 267.4 | 267.0 | 267.0 | 267.0 | 267.4 | 267.4 | 267.0 | 266.7 | 266.4 | 266.2 |
| 30° | 262.8 | 262.6 | 263.0 | 263.0 | 263.0 | 262.6 | 262.8 | 262.0 | 261.5 | 261.4 | 260.5 |
| 32.5° | 258.2 | 258.4 | 258.5 | 258.7 | 258.5 | 258.4 | 258.2 | 257.2 | 256.4 | 255.8 | 255.2 |
| 35° | 250.9 | 251.2 | 251.8 | 251.4 | 251.8 | 251.2 | 250.9 | 249.7 | 248.9 | 247.6 | 246.6 |
| 37.5° | 241.2 | 242.2 | 242.0 | 242.3 | 242.0 | 242.2 | 241.2 | 240.9 | 240.0 | 239.1 | 237.8 |
| 40° | 233.9 | 234.5 | 234.3 | 234.3 | 234.3 | 234.5 | 233.9 | 233.7 | 232.9 | 232.3 | 231.2 |
| 42.5° | 226.4 | 226.9 | 226.3 | 226.0 | 226.3 | 226.9 | 226.4 | 226.0 | 225.6 | 224.4 | 223.2 |
| 45° | 214.2 | 213.7 | 214.4 | 213.6 | 214.4 | 213.7 | 214.2 | 213.4 | 213.1 | 212.3 | 211.2 |
| 47.5° | 200.5 | 200.9 | 201.1 | 201.7 | 201.1 | 200.9 | 200.5 | 200.5 | 199.4 | 198.9 | 198.6 |
| 50° | 191.4 | 192.6 | 192.6 | 192.3 | 192.6 | 192.6 | 191.4 | 190.9 | 190.1 | 189.2 | 189.2 |
| 52.5° | 182.4 | 182.9 | 183.8 | 183.7 | 183.8 | 182.9 | 182.4 | 181.6 | 180.7 | 179.6 | 179.2 |
| 55° | 168.4 | 168.9 | 169.3 | 169.5 | 169.3 | 168.9 | 168.4 | 166.8 | 166.2 | 165.6 | 164.5 |
| 57.5° | 154.1 | 153.9 | 154.9 | 155.2 | 154.9 | 153.9 | 154.1 | 152.6 | 151.7 | 149.7 | 149.5 |
| 60° | 143.9 | 143.9 | 145.6 | 146.2 | 145.6 | 143.9 | 143.9 | 142.3 | 140.9 | 139.6 | 139.2 |
| 62.5° | 133.1 | 133.8 | 135.5 | 134.6 | 135.5 | 133.8 | 133.1 | 131.3 | 130.2 | 128.7 | 127.5 |
| 65° | 117.3 | 119.0 | 118.9 | 119.7 | 118.9 | 119.0 | 117.3 | 116.4 | 114.0 | 112.6 | 111.4 |
| 67.5° | 100.9 | 101.9 | 103.4 | 103.5 | 103.4 | 101.9 | 100.9 | 99.2 | 97.7 | 96.2 | 94.7 |
| 70° | 89.7 | 90.8 | 91.6 | 92.2 | 91.6 | 90.8 | 89.7 | 88.1 | 86.4 | 85.3 | 83.7 |
| 72.5° | 78.9 | 79.5 | 81.5 | 80.6 | 81.5 | 79.5 | 78.9 | 77.0 | 75.6 | 74.7 | 72.9 |
| 75° | 61.9 | 63.4 | 64.6 | 64.0 | 64.6 | 63.4 | 61.9 | 60.5 | 59.4 | 58.1 | 56.5 |
| 77.5° | 45.7 | 47.3 | 47.8 | 47.3 | 47.8 | 47.3 | 45.7 | 44.9 | 44.3 | 41.8 | 41.6 |
| 80° | 36.1 | 35.9 | 37.2 | 37.0 | 37.2 | 35.9 | 36.1 | 34.7 | 33.6 | 32.2 | 32.2 |
| 82.5° | 26.5 | 26.3 | 26.8 | 27.0 | 26.8 | 26.3 | 26.5 | 25.7 | 24.3 | 23.7 | 23.2 |
| 85° | 12.8 | 13.5 | 12.7 | 12.5 | 12.7 | 13.5 | 12.8 | 12.0 | 12.0 | 12.0 | 11.9 |
| 87.5° | 5.3 | 5.4 | 5.2 | 5.1 | 5.2 | 5.4 | 5.3 | 5.3 | 5.9 | 5.3 | 5.3 |
| 90° | 11.5 | 11.7 | 11.9 | 12.0 | 11.9 | 11.7 | 11.5 | 11.3 | 11.1 | 10.7 | 10.3 |
| 92.5° | 13.0 | 13.1 | 13.2 | 13.3 | 13.2 | 13.1 | 13.0 | 12.8 | 12.6 | 11.9 | 11.4 |
| 95° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 14.9 | 14.3 | 13.6 |
| 97.5° | 16.2 | 16.3 | 16.4 | 16.5 | 16.4 | 16.3 | 16.2 | 16.1 | 15.8 | 15.1 | 14.4 |
| 100° | 16.6 | 16.7 | 16.8 | 16.9 | 16.8 | 16.7 | 16.6 | 16.5 | 16.1 | 15.3 | 14.6 |
| 102.5° | 16.7 | 16.9 | 16.9 | 17.1 | 16.9 | 16.9 | 16.7 | 16.5 | 17.6 | 19.7 | 21.9 |
| 105° | 17.1 | 17.3 | 17.5 | 17.7 | 17.5 | 17.3 | 17.1 | 16.9 | 24.7 | 40.5 | 56.2 |
| 107.5° | 91.0 | 79.1 | 67.2 | 55.4 | 67.2 | 79.1 | 91.0 | 102.9 | 114.6 | 126.2 | 137.7 |
| 110° | 148.4 | 135.6 | 122.9 | 110.2 | 122.9 | 135.6 | 148.4 | 161.1 | 168.9 | 171.8 | 174.8 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 197.1 | 194.4 | 191.7 | 189.0 | 191.7 | 194.4 | 197.1 | 199.7 | 201.1 | 201.0 | 201.0 |
| 115° | 234.5 | 234.9 | 235.2 | 235.6 | 235.2 | 234.9 | 234.5 | 234.2 | 233.5 | 232.6 | 231.8 |
| 117.5° | 261.4 | 261.5 | 261.6 | 261.7 | 261.6 | 261.5 | 261.4 | 261.4 | 261.0 | 260.3 | 259.6 |
| 120° | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.3 | 278.6 | 277.9 |
| 122.5° | 297.0 | 297.1 | 297.2 | 297.3 | 297.2 | 297.1 | 297.0 | 296.9 | 296.7 | 296.2 | 295.7 |
| 125° | 321.6 | 321.7 | 321.9 | 322.1 | 321.9 | 321.7 | 321.6 | 321.4 | 321.2 | 321.0 | 320.8 |
| 127.5° | 346.5 | 346.3 | 346.2 | 346.0 | 346.2 | 346.3 | 346.5 | 346.7 | 346.6 | 346.3 | 346.1 |
| 130° | 361.9 | 361.7 | 361.5 | 361.3 | 361.5 | 361.7 | 361.9 | 362.0 | 361.9 | 361.6 | 361.2 |
| 132.5° | 376.2 | 375.9 | 375.7 | 375.5 | 375.7 | 375.9 | 376.2 | 376.5 | 376.4 | 376.0 | 375.7 |
| 135° | 397.8 | 397.5 | 397.3 | 397.0 | 397.3 | 397.5 | 397.8 | 398.1 | 398.1 | 397.8 | 397.5 |
| 137.5° | 417.9 | 417.7 | 417.5 | 417.3 | 417.5 | 417.7 | 417.9 | 418.0 | 417.9 | 417.4 | 417.1 |
| 140° | 430.0 | 429.8 | 429.6 | 429.4 | 429.6 | 429.8 | 430.0 | 430.2 | 430.1 | 429.7 | 429.4 |
| 142.5° | 441.4 | 441.2 | 441.0 | 440.7 | 441.0 | 441.2 | 441.4 | 441.7 | 441.7 | 441.4 | 441.1 |
| 145° | 457.9 | 457.9 | 457.9 | 457.9 | 457.9 | 457.9 | 457.9 | 457.9 | 457.8 | 457.6 | 457.4 |
| 147.5° | 472.0 | 471.5 | 471.2 | 470.7 | 471.2 | 471.5 | 472.0 | 472.3 | 472.5 | 472.3 | 472.2 |
| 150° | 481.2 | 480.9 | 480.6 | 480.4 | 480.6 | 480.9 | 481.2 | 481.4 | 481.4 | 481.3 | 481.1 |
| 152.5° | 489.3 | 488.8 | 488.5 | 488.0 | 488.5 | 488.8 | 489.3 | 489.6 | 489.7 | 489.4 | 489.1 |
| 155° | 500.3 | 499.8 | 499.3 | 498.8 | 499.3 | 499.8 | 500.3 | 500.9 | 501.0 | 500.5 | 500.1 |
| 157.5° | 509.9 | 509.3 | 508.5 | 507.8 | 508.5 | 509.3 | 509.9 | 510.6 | 510.7 | 510.1 | 509.6 |
| 160° | 515.5 | 514.9 | 514.2 | 513.6 | 514.2 | 514.9 | 515.5 | 516.1 | 516.1 | 515.6 | 515.1 |
| 162.5° | 520.7 | 520.1 | 519.6 | 519.1 | 519.6 | 520.1 | 520.7 | 521.3 | 521.2 | 520.7 | 520.0 |
| 165° | 527.4 | 526.9 | 526.3 | 525.7 | 526.3 | 526.9 | 527.4 | 528.1 | 528.1 | 527.4 | 526.6 |
| 167.5° | 532.4 | 531.8 | 531.1 | 530.4 | 531.1 | 531.8 | 532.4 | 533.2 | 533.2 | 532.4 | 531.8 |
| 170° | 535.4 | 534.7 | 534.0 | 533.2 | 534.0 | 534.7 | 535.4 | 536.1 | 536.1 | 535.4 | 534.7 |
| 172.5° | 537.2 | 536.4 | 535.7 | 534.8 | 535.7 | 536.4 | 537.2 | 538.0 | 538.0 | 537.3 | 536.5 |
| 175° | 539.4 | 538.7 | 538.0 | 537.3 | 538.0 | 538.7 | 539.4 | 540.1 | 540.1 | 539.5 | 538.9 |
| 177.5° | 540.1 | 539.4 | 538.7 | 538.0 | 538.7 | 539.4 | 540.1 | 540.8 | 540.9 | 540.3 | 539.8 |
| 180° | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 |
| 2.5° | 411.2 | 411.2 | 414.3 | 416.3 | 418.8 | 420.4 | 421.6 | 422.8 | 424.8 | 427.4 | 430.4 |
| 5° | 387.6 | 388.4 | 393.1 | 397.6 | 402.0 | 405.7 | 408.8 | 412.6 | 417.1 | 422.8 | 429.0 |
| 7.5° | 364.9 | 368.1 | 372.6 | 378.3 | 384.3 | 389.8 | 395.3 | 401.4 | 408.0 | 416.2 | 424.9 |
| 10° | 350.3 | 353.7 | 359.4 | 366.5 | 372.9 | 379.3 | 386.2 | 392.8 | 400.9 | 410.7 | 422.0 |
| 12.5° | 337.4 | 340.8 | 346.6 | 354.3 | 360.4 | 367.6 | 375.4 | 384.1 | 393.2 | 404.8 | 417.6 |
| 15° | 319.7 | 323.7 | 330.7 | 334.5 | 343.8 | 352.3 | 359.6 | 372.0 | 383.7 | 395.7 | 410.5 |
| 17.5° | 305.1 | 307.4 | 313.1 | 320.0 | 327.0 | 336.6 | 346.1 | 356.5 | 368.1 | 382.8 | 401.3 |
| 20° | 295.2 | 297.0 | 303.3 | 310.6 | 318.1 | 326.8 | 335.3 | 345.7 | 358.7 | 374.3 | 394.3 |
| 22.5° | 287.8 | 289.7 | 293.8 | 301.6 | 308.5 | 315.8 | 324.3 | 336.7 | 350.6 | 365.9 | 387.4 |
| 25° | 276.9 | 278.1 | 280.9 | 287.1 | 293.3 | 301.4 | 308.9 | 320.6 | 334.8 | 352.8 | 374.3 |
| 27.5° | 266.6 | 267.9 | 270.1 | 274.6 | 280.4 | 287.0 | 295.2 | 305.0 | 319.5 | 338.9 | 361.9 |
| 30° | 260.5 | 260.7 | 262.8 | 267.0 | 272.0 | 277.3 | 284.8 | 296.0 | 309.8 | 329.5 | 353.6 |
| 32.5° | 255.2 | 254.4 | 255.8 | 259.0 | 263.8 | 269.2 | 275.4 | 286.4 | 299.6 | 319.0 | 343.8 |
| 35° | 246.2 | 245.8 | 245.1 | 247.8 | 252.0 | 256.1 | 261.5 | 269.8 | 284.8 | 302.9 | 328.9 |
| 37.5° | 237.0 | 235.9 | 234.9 | 236.1 | 239.3 | 243.7 | 248.3 | 255.7 | 268.7 | 288.6 | 313.4 |
| 40° | 230.2 | 229.3 | 228.7 | 228.3 | 231.2 | 235.3 | 238.9 | 245.9 | 258.0 | 276.9 | 301.4 |
| 42.5° | 222.7 | 222.2 | 221.4 | 220.8 | 223.2 | 226.4 | 230.1 | 236.3 | 248.3 | 266.1 | 289.3 |
| 45° | 210.6 | 210.3 | 209.8 | 209.4 | 210.9 | 213.7 | 216.7 | 221.2 | 231.7 | 248.9 | 269.8 |
| 47.5° | 197.2 | 196.7 | 196.9 | 196.2 | 197.6 | 199.6 | 201.6 | 206.5 | 216.4 | 230.4 | 245.8 |
| 50° | 187.6 | 187.3 | 187.3 | 187.3 | 187.8 | 190.1 | 192.0 | 195.7 | 204.8 | 218.7 | 229.8 |
| 52.5° | 178.4 | 177.5 | 177.5 | 177.9 | 178.7 | 180.1 | 181.3 | 185.4 | 193.3 | 204.8 | 214.8 |
| 55° | 164.1 | 162.5 | 162.0 | 162.5 | 163.1 | 164.3 | 165.6 | 168.9 | 175.8 | 184.2 | 190.1 |
| 57.5° | 148.2 | 147.3 | 146.8 | 146.9 | 147.2 | 148.2 | 149.2 | 152.8 | 158.2 | 162.6 | 166.4 |
| 60° | 137.1 | 137.5 | 135.6 | 136.1 | 136.1 | 136.9 | 138.4 | 140.6 | 145.2 | 148.3 | 152.0 |
| 62.5° | 126.6 | 126.1 | 125.6 | 124.9 | 124.9 | 125.3 | 127.2 | 129.0 | 133.0 | 134.6 | 137.4 |
| 65° | 110.3 | 110.3 | 109.1 | 109.5 | 109.7 | 108.3 | 109.2 | 111.4 | 113.9 | 114.5 | 117.2 |
| 67.5° | 93.8 | 93.2 | 92.5 | 91.8 | 91.8 | 91.8 | 92.3 | 93.3 | 95.1 | 95.4 | 97.5 |
| 70° | 82.5 | 82.0 | 81.9 | 81.2 | 80.4 | 81.4 | 80.8 | 81.9 | 82.9 | 83.1 | 84.4 |
| 72.5° | 71.5 | 71.1 | 70.7 | 70.1 | 69.7 | 69.6 | 69.6 | 70.9 | 71.6 | 71.3 | 72.7 |
| 75° | 55.9 | 55.5 | 55.0 | 54.0 | 54.0 | 53.4 | 53.6 | 54.4 | 55.3 | 54.7 | 55.9 |
| 77.5° | 41.0 | 39.8 | 39.7 | 39.9 | 39.2 | 39.4 | 39.1 | 39.1 | 39.4 | 39.4 | 40.6 |
| 80° | 31.6 | 30.1 | 30.5 | 30.3 | 30.1 | 29.9 | 29.5 | 29.7 | 29.9 | 30.1 | 30.8 |
| 82.5° | 22.7 | 22.6 | 22.2 | 22.2 | 21.9 | 21.4 | 21.2 | 21.6 | 21.8 | 21.7 | 22.1 |
| 85° | 11.6 | 11.0 | 11.4 | 11.2 | 11.4 | 11.2 | 10.6 | 10.6 | 11.0 | 10.8 | 11.2 |
| 87.5° | 5.5 | 5.4 | 5.0 | 5.0 | 4.5 | 4.5 | 4.1 | 4.1 | 4.1 | 3.9 | 4.1 |
| 90° | 10.0 | 9.6 | 8.5 | 7.3 | 6.2 | 5.0 | 3.9 | 3.0 | 2.1 | 1.2 | 0.4 |
| 92.5° | 10.8 | 10.3 | 9.4 | 8.5 | 7.7 | 6.8 | 6.4 | 6.7 | 7.0 | 7.2 | 7.5 |
| 95° | 13.0 | 12.4 | 11.4 | 10.4 | 9.5 | 8.5 | 9.8 | 13.5 | 17.1 | 20.8 | 24.4 |
| 97.5° | 13.6 | 12.9 | 19.4 | 25.7 | 32.1 | 38.5 | 42.5 | 44.2 | 45.8 | 47.4 | 49.1 |
| 100° | 13.9 | 13.2 | 27.1 | 41.0 | 54.9 | 68.8 | 74.8 | 73.0 | 71.2 | 69.5 | 67.7 |
| 102.5° | 24.2 | 26.4 | 41.6 | 56.7 | 71.9 | 87.0 | 94.0 | 92.7 | 91.4 | 90.2 | 88.8 |
| 105° | 72.0 | 87.7 | 95.8 | 103.8 | 111.7 | 119.8 | 123.3 | 122.3 | 121.4 | 120.4 | 119.4 |
| 107.5° | 149.3 | 160.8 | 159.5 | 158.3 | 157.0 | 155.8 | 154.7 | 153.9 | 153.2 | 152.4 | 151.6 |
| 110° | 177.7 | 180.7 | 179.7 | 178.7 | 177.7 | 176.7 | 175.9 | 175.2 | 174.5 | 173.8 | 173.1 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 200.9 | 200.9 | 199.9 | 198.9 | 198.0 | 197.0 | 196.2 | 195.5 | 194.8 | 194.2 | 193.6 |
| 115° | 230.9 | 230.0 | 229.2 | 228.4 | 227.6 | 226.8 | 226.0 | 225.5 | 225.0 | 224.4 | 223.9 |
| 117.5° | 258.9 | 258.2 | 257.8 | 257.3 | 256.9 | 256.5 | 256.0 | 255.3 | 254.7 | 254.0 | 253.3 |
| 120° | 277.1 | 276.4 | 276.2 | 275.9 | 275.6 | 275.4 | 274.8 | 274.0 | 273.2 | 272.4 | 271.6 |
| 122.5° | 295.2 | 294.7 | 294.4 | 294.0 | 293.7 | 293.4 | 292.8 | 292.2 | 291.5 | 290.9 | 290.3 |
| 125° | 320.7 | 320.5 | 320.1 | 319.8 | 319.4 | 319.1 | 318.5 | 317.8 | 317.1 | 316.4 | 315.7 |
| 127.5° | 345.8 | 345.5 | 345.1 | 344.6 | 344.2 | 343.8 | 343.2 | 342.5 | 341.8 | 341.1 | 340.4 |
| 130° | 360.9 | 360.5 | 360.3 | 359.9 | 359.5 | 359.2 | 358.6 | 357.9 | 357.2 | 356.5 | 355.8 |
| 132.5° | 375.3 | 375.0 | 374.7 | 374.4 | 374.2 | 373.8 | 373.4 | 372.6 | 371.9 | 371.2 | 370.5 |
| 135° | 397.3 | 397.0 | 396.6 | 396.3 | 395.9 | 395.6 | 395.1 | 394.6 | 394.0 | 393.5 | 393.0 |
| 137.5° | 416.6 | 416.2 | 416.0 | 415.8 | 415.6 | 415.4 | 414.9 | 414.3 | 413.6 | 413.0 | 412.2 |
| 140° | 429.0 | 428.6 | 428.4 | 428.1 | 427.8 | 427.6 | 427.2 | 426.7 | 426.1 | 425.6 | 425.1 |
| 142.5° | 440.8 | 440.5 | 440.2 | 440.0 | 439.7 | 439.4 | 439.1 | 438.5 | 438.0 | 437.5 | 436.9 |
| 145° | 457.3 | 457.1 | 456.9 | 456.7 | 456.6 | 456.4 | 456.0 | 455.4 | 454.8 | 454.1 | 453.5 |
| 147.5° | 472.0 | 471.8 | 471.6 | 471.4 | 471.3 | 471.1 | 470.7 | 470.4 | 469.9 | 469.6 | 469.1 |
| 150° | 480.9 | 480.7 | 480.5 | 480.4 | 480.2 | 480.0 | 479.8 | 479.6 | 479.3 | 479.0 | 478.8 |
| 152.5° | 488.7 | 488.5 | 488.3 | 488.2 | 488.1 | 488.0 | 487.9 | 487.8 | 487.7 | 487.5 | 487.4 |
| 155° | 499.6 | 499.2 | 499.1 | 499.0 | 498.9 | 498.8 | 498.9 | 499.1 | 499.2 | 499.4 | 499.5 |
| 157.5° | 509.1 | 508.5 | 508.6 | 508.7 | 508.8 | 508.9 | 509.0 | 509.0 | 509.0 | 509.0 | 509.1 |
| 160° | 514.5 | 514.0 | 514.1 | 514.2 | 514.2 | 514.3 | 514.4 | 514.5 | 514.6 | 514.7 | 514.8 |
| 162.5° | 519.4 | 518.8 | 518.9 | 519.0 | 519.1 | 519.2 | 519.3 | 519.6 | 519.8 | 520.0 | 520.2 |
| 165° | 525.9 | 525.2 | 525.3 | 525.4 | 525.5 | 525.6 | 525.8 | 526.0 | 526.3 | 526.6 | 526.8 |
| 167.5° | 531.1 | 530.4 | 530.4 | 530.4 | 530.4 | 530.4 | 530.6 | 530.9 | 531.3 | 531.6 | 532.0 |
| 170° | 534.0 | 533.2 | 533.2 | 533.2 | 533.2 | 533.2 | 533.4 | 533.8 | 534.1 | 534.5 | 534.8 |
| 172.5° | 535.8 | 535.1 | 535.1 | 535.0 | 534.9 | 534.8 | 535.0 | 535.5 | 535.9 | 536.4 | 536.7 |
| 175° | 538.2 | 537.6 | 537.5 | 537.4 | 537.3 | 537.3 | 537.4 | 537.9 | 538.3 | 538.8 | 539.2 |
| 177.5° | 539.1 | 538.6 | 538.5 | 538.4 | 538.4 | 538.3 | 538.4 | 538.8 | 539.1 | 539.5 | 539.8 |
| 180° | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 |
| 2.5° | 431.4 | 432.3 | 435.1 | 437.1 | 439.4 | 440.8 | 442.0 | 443.1 | 444.4 | 444.7 | 449.5 |
| 5° | 433.4 | 437.5 | 444.8 | 450.1 | 456.8 | 464.0 | 469.0 | 471.4 | 477.4 | 482.3 | 492.3 |
| 7.5° | 432.8 | 441.7 | 452.6 | 464.0 | 476.2 | 487.5 | 497.3 | 509.0 | 517.2 | 529.7 | 541.9 |
| 10° | 432.3 | 444.2 | 458.3 | 472.8 | 489.8 | 505.6 | 519.8 | 535.6 | 548.7 | 565.9 | 580.6 |
| 12.5° | 430.8 | 445.1 | 464.8 | 482.0 | 502.7 | 524.4 | 545.4 | 565.6 | 577.2 | 605.9 | 619.5 |
| 15° | 427.1 | 444.2 | 468.7 | 494.8 | 523.3 | 549.0 | 575.6 | 596.8 | 631.1 | 656.2 | 672.3 |
| 17.5° | 420.1 | 443.9 | 473.0 | 504.5 | 539.1 | 573.1 | 603.2 | 635.3 | 671.7 | 702.1 | 734.6 |
| 20° | 416.7 | 442.9 | 475.3 | 510.2 | 546.2 | 584.6 | 618.8 | 657.5 | 697.1 | 727.1 | 768.7 |
| 22.5° | 410.5 | 440.2 | 475.1 | 514.0 | 552.4 | 592.2 | 632.3 | 671.3 | 717.1 | 758.3 | 797.9 |
| 25° | 400.6 | 433.7 | 469.9 | 513.4 | 558.4 | 598.2 | 646.3 | 698.0 | 745.7 | 798.8 | 838.2 |
| 27.5° | 389.9 | 425.4 | 461.6 | 502.0 | 550.5 | 597.9 | 658.3 | 716.7 | 775.1 | 820.8 | 850.1 |
| 30° | 381.8 | 416.3 | 453.7 | 494.5 | 542.4 | 598.7 | 666.2 | 730.0 | 786.9 | 826.2 | 842.6 |
| 32.5° | 373.0 | 408.0 | 441.0 | 483.8 | 534.9 | 598.2 | 671.2 | 737.8 | 787.6 | 813.7 | 810.5 |
| 35° | 359.2 | 388.4 | 420.7 | 461.8 | 522.0 | 594.5 | 674.1 | 738.5 | 769.0 | 763.4 | 721.0 |
| 37.5° | 339.2 | 363.9 | 395.6 | 440.6 | 507.1 | 586.8 | 668.2 | 716.6 | 714.6 | 669.0 | 607.5 |
| 40° | 326.8 | 347.8 | 378.3 | 425.6 | 495.4 | 581.8 | 659.2 | 690.5 | 664.0 | 600.1 | 526.6 |
| 42.5° | 310.5 | 329.8 | 360.3 | 409.0 | 482.7 | 571.8 | 641.7 | 650.8 | 598.8 | 525.4 | 458.0 |
| 45° | 285.3 | 302.3 | 333.9 | 384.1 | 463.4 | 549.7 | 599.1 | 576.8 | 506.8 | 431.1 | 379.8 |
| 47.5° | 258.1 | 275.8 | 306.1 | 357.8 | 435.7 | 516.5 | 540.0 | 492.8 | 420.9 | 359.4 | 312.3 |
| 50° | 240.9 | 258.0 | 287.8 | 339.8 | 417.0 | 489.2 | 499.0 | 437.9 | 371.8 | 317.8 | 279.2 |
| 52.5° | 223.7 | 239.7 | 268.9 | 321.3 | 395.0 | 457.6 | 451.7 | 389.4 | 328.7 | 282.6 | 252.3 |
| 55° | 198.0 | 213.1 | 240.9 | 290.0 | 357.1 | 406.7 | 385.0 | 325.6 | 275.3 | 239.5 | 216.4 |
| 57.5° | 175.0 | 189.5 | 213.5 | 257.8 | 316.1 | 350.3 | 322.5 | 272.4 | 232.5 | 204.9 | 187.8 |
| 60° | 159.3 | 172.2 | 195.1 | 236.2 | 286.9 | 312.8 | 285.4 | 241.2 | 207.5 | 185.5 | 170.1 |
| 62.5° | 144.5 | 155.8 | 176.9 | 214.3 | 258.3 | 280.1 | 252.4 | 214.9 | 186.3 | 166.7 | 153.6 |
| 65° | 122.2 | 132.3 | 151.1 | 180.1 | 216.2 | 230.8 | 206.9 | 176.6 | 154.4 | 139.8 | 131.1 |
| 67.5° | 101.7 | 110.4 | 126.5 | 149.4 | 176.0 | 186.5 | 168.4 | 144.9 | 128.1 | 116.5 | 109.6 |
| 70° | 88.1 | 95.6 | 108.3 | 128.0 | 152.0 | 160.2 | 143.1 | 123.8 | 111.6 | 102.2 | 95.8 |
| 72.5° | 76.6 | 82.1 | 93.6 | 108.9 | 128.9 | 135.4 | 123.5 | 106.6 | 95.1 | 88.1 | 82.9 |
| 75° | 58.4 | 63.0 | 70.4 | 82.7 | 96.6 | 100.3 | 91.4 | 80.8 | 73.1 | 68.1 | 64.2 |
| 77.5° | 42.1 | 45.5 | 50.8 | 58.4 | 68.0 | 71.4 | 65.8 | 58.7 | 53.1 | 49.8 | 47.5 |
| 80° | 31.7 | 34.5 | 39.1 | 45.3 | 51.1 | 53.0 | 49.7 | 44.2 | 40.3 | 38.4 | 36.6 |
| 82.5° | 23.5 | 25.0 | 27.7 | 32.0 | 35.9 | 38.2 | 35.4 | 32.1 | 30.0 | 28.3 | 27.6 |
| 85° | 11.9 | 12.7 | 13.9 | 15.6 | 18.1 | 18.9 | 17.8 | 17.0 | 15.8 | 14.7 | 14.7 |
| 87.5° | 4.5 | 4.7 | 5.4 | 6.0 | 6.8 | 7.6 | 7.6 | 7.5 | 7.6 | 7.5 | 7.4 |
| 90° | 1.2 | 2.1 | 3.0 | 3.9 | 5.0 | 6.2 | 7.3 | 8.5 | 9.6 | 10.0 | 10.3 |
| 92.5° | 7.2 | 7.0 | 6.7 | 6.4 | 6.8 | 7.7 | 8.5 | 9.4 | 10.3 | 10.8 | 11.4 |
| 95° | 20.8 | 17.1 | 13.5 | 9.8 | 8.5 | 9.5 | 10.4 | 11.4 | 12.4 | 13.0 | 13.6 |
| 97.5° | 47.4 | 45.8 | 44.2 | 42.5 | 38.5 | 32.1 | 25.7 | 19.4 | 12.9 | 13.6 | 14.4 |
| 100° | 69.5 | 71.2 | 73.0 | 74.8 | 68.8 | 54.9 | 41.0 | 27.1 | 13.2 | 13.9 | 14.6 |
| 102.5° | 90.2 | 91.4 | 92.7 | 94.0 | 87.0 | 71.9 | 56.7 | 41.6 | 26.4 | 24.2 | 21.9 |
| 105° | 120.4 | 121.4 | 122.3 | 123.3 | 119.8 | 111.7 | 103.8 | 95.8 | 87.7 | 72.0 | 56.2 |
| 107.5° | 152.4 | 153.2 | 153.9 | 154.7 | 155.8 | 157.0 | 158.3 | 159.5 | 160.8 | 149.3 | 137.7 |
| 110° | 173.8 | 174.5 | 175.2 | 175.9 | 176.7 | 177.7 | 178.7 | 179.7 | 180.7 | 177.7 | 174.8 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 194.2 | 194.8 | 195.5 | 196.2 | 197.0 | 198.0 | 198.9 | 199.9 | 200.9 | 200.9 | 201.0 |
| 115° | 224.4 | 225.0 | 225.5 | 226.0 | 226.8 | 227.6 | 228.4 | 229.2 | 230.0 | 230.9 | 231.8 |
| 117.5° | 254.0 | 254.7 | 255.3 | 256.0 | 256.5 | 256.9 | 257.3 | 257.8 | 258.2 | 258.9 | 259.6 |
| 120° | 272.4 | 273.2 | 274.0 | 274.8 | 275.4 | 275.6 | 275.9 | 276.2 | 276.4 | 277.1 | 277.9 |
| 122.5° | 290.9 | 291.5 | 292.2 | 292.8 | 293.4 | 293.7 | 294.0 | 294.4 | 294.7 | 295.2 | 295.7 |
| 125° | 316.4 | 317.1 | 317.8 | 318.5 | 319.1 | 319.4 | 319.8 | 320.1 | 320.5 | 320.7 | 320.8 |
| 127.5° | 341.1 | 341.8 | 342.5 | 343.2 | 343.8 | 344.2 | 344.6 | 345.1 | 345.5 | 345.8 | 346.1 |
| 130° | 356.5 | 357.2 | 357.9 | 358.6 | 359.2 | 359.5 | 359.9 | 360.3 | 360.5 | 360.9 | 361.2 |
| 132.5° | 371.2 | 371.9 | 372.6 | 373.4 | 373.8 | 374.2 | 374.4 | 374.7 | 375.0 | 375.3 | 375.7 |
| 135° | 393.5 | 394.0 | 394.6 | 395.1 | 395.6 | 395.9 | 396.3 | 396.6 | 397.0 | 397.3 | 397.5 |
| 137.5° | 413.0 | 413.6 | 414.3 | 414.9 | 415.4 | 415.6 | 415.8 | 416.0 | 416.2 | 416.6 | 417.1 |
| 140° | 425.6 | 426.1 | 426.7 | 427.2 | 427.6 | 427.8 | 428.1 | 428.4 | 428.6 | 429.0 | 429.4 |
| 142.5° | 437.5 | 438.0 | 438.5 | 439.1 | 439.4 | 439.7 | 440.0 | 440.2 | 440.5 | 440.8 | 441.1 |
| 145° | 454.1 | 454.8 | 455.4 | 456.0 | 456.4 | 456.6 | 456.7 | 456.9 | 457.1 | 457.3 | 457.4 |
| 147.5° | 469.6 | 469.9 | 470.4 | 470.7 | 471.1 | 471.3 | 471.4 | 471.6 | 471.8 | 472.0 | 472.2 |
| 150° | 479.0 | 479.3 | 479.6 | 479.8 | 480.0 | 480.2 | 480.4 | 480.5 | 480.7 | 480.9 | 481.1 |
| 152.5° | 487.5 | 487.7 | 487.8 | 487.9 | 488.0 | 488.1 | 488.2 | 488.3 | 488.5 | 488.7 | 489.1 |
| 155° | 499.4 | 499.2 | 499.1 | 498.9 | 498.8 | 498.9 | 499.0 | 499.1 | 499.2 | 499.6 | 500.1 |
| 157.5° | 509.0 | 509.0 | 509.0 | 509.0 | 508.9 | 508.8 | 508.7 | 508.6 | 508.5 | 509.1 | 509.6 |
| 160° | 514.7 | 514.6 | 514.5 | 514.4 | 514.3 | 514.2 | 514.2 | 514.1 | 514.0 | 514.5 | 515.1 |
| 162.5° | 520.0 | 519.8 | 519.6 | 519.3 | 519.2 | 519.1 | 519.0 | 518.9 | 518.8 | 519.4 | 520.0 |
| 165° | 526.6 | 526.3 | 526.0 | 525.8 | 525.6 | 525.5 | 525.4 | 525.3 | 525.2 | 525.9 | 526.6 |
| 167.5° | 531.6 | 531.3 | 530.9 | 530.6 | 530.4 | 530.4 | 530.4 | 530.4 | 530.4 | 531.1 | 531.8 |
| 170° | 534.5 | 534.1 | 533.8 | 533.4 | 533.2 | 533.2 | 533.2 | 533.2 | 533.2 | 534.0 | 534.7 |
| 172.5° | 536.4 | 535.9 | 535.5 | 535.0 | 534.8 | 534.9 | 535.0 | 535.1 | 535.1 | 535.8 | 536.5 |
| 175° | 538.8 | 538.3 | 537.9 | 537.4 | 537.3 | 537.3 | 537.4 | 537.5 | 537.6 | 538.2 | 538.9 |
| 177.5° | 539.5 | 539.1 | 538.8 | 538.4 | 538.3 | 538.4 | 538.4 | 538.5 | 538.6 | 539.1 | 539.8 |
| 180° | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 | 428.7 |
| 2.5° | 451.2 | 451.4 | 453.2 | 454.5 | 453.9 | 454.7 | 455.0 |
| 5° | 492.9 | 500.4 | 504.4 | 507.3 | 507.5 | 507.7 | 509.3 |
| 7.5° | 552.1 | 560.2 | 566.1 | 575.0 | 577.6 | 580.6 | 579.8 |
| 10° | 595.4 | 607.3 | 617.4 | 622.8 | 628.7 | 637.1 | 630.3 |
| 12.5° | 635.8 | 656.7 | 672.3 | 680.6 | 686.1 | 687.8 | 684.5 |
| 15° | 702.4 | 729.8 | 744.5 | 744.1 | 762.8 | 770.9 | 758.2 |
| 17.5° | 763.4 | 788.7 | 809.0 | 819.4 | 835.0 | 838.4 | 836.9 |
| 20° | 800.8 | 828.5 | 844.3 | 862.1 | 870.2 | 877.4 | 878.7 |
| 22.5° | 833.0 | 857.9 | 874.9 | 889.7 | 896.4 | 899.9 | 902.0 |
| 25° | 866.3 | 885.8 | 896.0 | 901.2 | 903.0 | 902.6 | 899.9 |
| 27.5° | 864.0 | 865.5 | 854.3 | 843.3 | 833.4 | 822.3 | 818.5 |
| 30° | 841.5 | 824.1 | 792.9 | 775.3 | 749.3 | 728.7 | 737.1 |
| 32.5° | 782.6 | 747.8 | 712.8 | 674.2 | 642.3 | 633.2 | 624.0 |
| 35° | 667.9 | 606.8 | 571.1 | 529.5 | 512.9 | 496.3 | 484.8 |
| 37.5° | 540.3 | 493.1 | 450.7 | 423.6 | 406.9 | 396.4 | 390.7 |
| 40° | 467.2 | 424.6 | 389.7 | 367.7 | 355.0 | 343.2 | 341.5 |
| 42.5° | 408.8 | 369.3 | 343.0 | 325.5 | 313.3 | 308.3 | 304.6 |
| 45° | 334.8 | 307.3 | 289.6 | 277.1 | 269.0 | 265.9 | 261.7 |
| 47.5° | 283.5 | 263.9 | 250.7 | 242.2 | 236.0 | 233.7 | 233.4 |
| 50° | 254.7 | 238.4 | 228.7 | 222.0 | 217.3 | 216.4 | 213.1 |
| 52.5° | 233.1 | 219.0 | 211.4 | 205.6 | 202.2 | 199.8 | 198.9 |
| 55° | 202.3 | 193.0 | 186.1 | 182.8 | 180.1 | 177.8 | 177.8 |
| 57.5° | 177.0 | 169.2 | 164.7 | 161.8 | 161.0 | 159.4 | 158.4 |
| 60° | 161.4 | 154.8 | 151.2 | 148.7 | 147.0 | 147.3 | 145.4 |
| 62.5° | 146.2 | 141.8 | 138.4 | 136.0 | 133.9 | 134.0 | 134.1 |
| 65° | 124.4 | 121.1 | 118.6 | 117.8 | 116.5 | 115.1 | 115.5 |
| 67.5° | 105.5 | 102.4 | 100.4 | 99.0 | 98.5 | 97.7 | 99.0 |
| 70° | 91.8 | 89.5 | 88.1 | 86.9 | 86.4 | 86.6 | 87.7 |
| 72.5° | 79.4 | 77.8 | 76.8 | 76.2 | 75.3 | 75.3 | 76.1 |
| 75° | 62.3 | 61.1 | 60.3 | 59.7 | 59.4 | 59.4 | 59.4 |
| 77.5° | 45.7 | 45.5 | 45.1 | 44.2 | 44.2 | 44.5 | 44.5 |
| 80° | 36.1 | 35.5 | 35.3 | 34.9 | 34.2 | 33.9 | 34.9 |
| 82.5° | 27.0 | 26.4 | 26.2 | 26.1 | 25.1 | 25.1 | 25.9 |
| 85° | 14.5 | 13.9 | 14.1 | 13.9 | 13.9 | 13.7 | 13.7 |
| 87.5° | 7.3 | 7.2 | 7.0 | 7.3 | 7.1 | 7.0 | 7.4 |
| 90° | 10.7 | 11.1 | 11.3 | 11.5 | 11.7 | 11.9 | 12.0 |
| 92.5° | 11.9 | 12.6 | 12.8 | 13.0 | 13.1 | 13.2 | 13.3 |
| 95° | 14.3 | 14.9 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 97.5° | 15.1 | 15.8 | 16.1 | 16.2 | 16.3 | 16.4 | 16.5 |
| 100° | 15.3 | 16.1 | 16.5 | 16.6 | 16.7 | 16.8 | 16.9 |
| 102.5° | 19.7 | 17.6 | 16.5 | 16.7 | 16.9 | 16.9 | 17.1 |
| 105° | 40.5 | 24.7 | 16.9 | 17.1 | 17.3 | 17.5 | 17.7 |
| 107.5° | 126.2 | 114.6 | 102.9 | 91.0 | 79.1 | 67.2 | 55.4 |
| 110° | 171.8 | 168.9 | 161.1 | 148.4 | 135.6 | 122.9 | 110.2 |



TEST NUMBER: P332090-940

CATALOG NUMBER: S123DIW-S340D460U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 201.0 | 201.1 | 199.7 | 197.1 | 194.4 | 191.7 | 189.0 |
| 115° | 232.6 | 233.5 | 234.2 | 234.5 | 234.9 | 235.2 | 235.6 |
| 117.5° | 260.3 | 261.0 | 261.4 | 261.4 | 261.5 | 261.6 | 261.7 |
| 120° | 278.6 | 279.3 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 |
| 122.5° | 296.2 | 296.7 | 296.9 | 297.0 | 297.1 | 297.2 | 297.3 |
| 125° | 321.0 | 321.2 | 321.4 | 321.6 | 321.7 | 321.9 | 322.1 |
| 127.5° | 346.3 | 346.6 | 346.7 | 346.5 | 346.3 | 346.2 | 346.0 |
| 130° | 361.6 | 361.9 | 362.0 | 361.9 | 361.7 | 361.5 | 361.3 |
| 132.5° | 376.0 | 376.4 | 376.5 | 376.2 | 375.9 | 375.7 | 375.5 |
| 135° | 397.8 | 398.1 | 398.1 | 397.8 | 397.5 | 397.3 | 397.0 |
| 137.5° | 417.4 | 417.9 | 418.0 | 417.9 | 417.7 | 417.5 | 417.3 |
| 140° | 429.7 | 430.1 | 430.2 | 430.0 | 429.8 | 429.6 | 429.4 |
| 142.5° | 441.4 | 441.7 | 441.7 | 441.4 | 441.2 | 441.0 | 440.7 |
| 145° | 457.6 | 457.8 | 457.9 | 457.9 | 457.9 | 457.9 | 457.9 |
| 147.5° | 472.3 | 472.5 | 472.3 | 472.0 | 471.5 | 471.2 | 470.7 |
| 150° | 481.3 | 481.4 | 481.4 | 481.2 | 480.9 | 480.6 | 480.4 |
| 152.5° | 489.4 | 489.7 | 489.6 | 489.3 | 488.8 | 488.5 | 488.0 |
| 155° | 500.5 | 501.0 | 500.9 | 500.3 | 499.8 | 499.3 | 498.8 |
| 157.5° | 510.1 | 510.7 | 510.6 | 509.9 | 509.3 | 508.5 | 507.8 |
| 160° | 515.6 | 516.1 | 516.1 | 515.5 | 514.9 | 514.2 | 513.6 |
| 162.5° | 520.7 | 521.2 | 521.3 | 520.7 | 520.1 | 519.6 | 519.1 |
| 165° | 527.4 | 528.1 | 528.1 | 527.4 | 526.9 | 526.3 | 525.7 |
| 167.5° | 532.4 | 533.2 | 533.2 | 532.4 | 531.8 | 531.1 | 530.4 |
| 170° | 535.4 | 536.1 | 536.1 | 535.4 | 534.7 | 534.0 | 533.2 |
| 172.5° | 537.3 | 538.0 | 538.0 | 537.2 | 536.4 | 535.7 | 534.8 |
| 175° | 539.5 | 540.1 | 540.1 | 539.4 | 538.7 | 538.0 | 537.3 |
| 177.5° | 540.3 | 540.9 | 540.8 | 540.1 | 539.4 | 538.7 | 538.0 |
| 180° | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 | 539.2 |

(END OF REPORT)