

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: P332091

Luminaire Tested: **S123DIW-S340D460U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332091
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: S123DIW-S340D460U835-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 460 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3051.3 lumens
Efficiency: N/A
Efficacy: 132.7 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

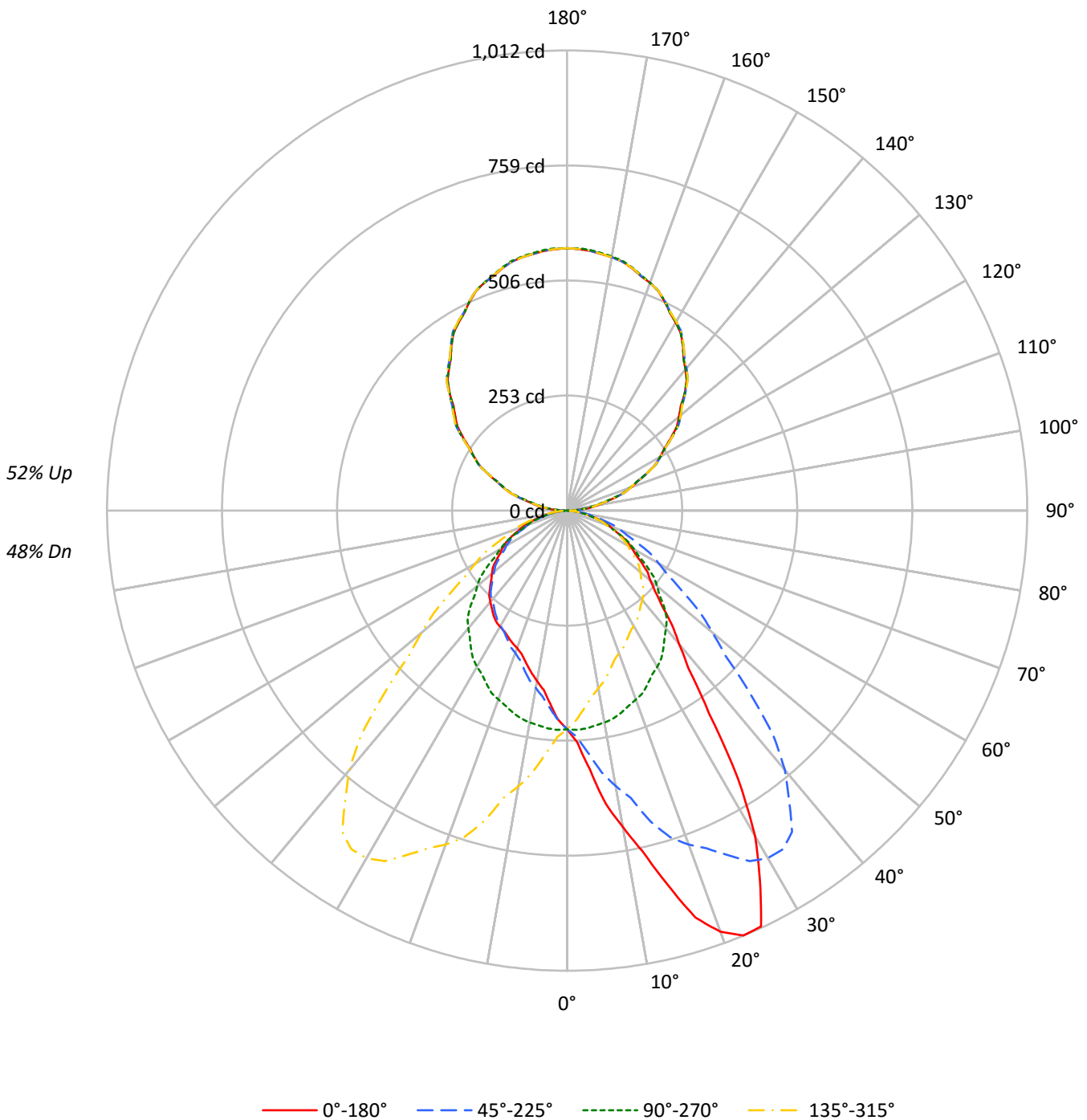
Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | | |
| RC | 80 | | | | | | | | | 70 | | | | | | | | | 50 | | | | | | | | | 30 | | | | | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 54 | 54 | 54 | 48 | | | | | | | | | | | | | | | | | | | | |
| 1 | 98 | 93 | 90 | 86 | 90 | 86 | 83 | 80 | 72 | 70 | 68 | 60 | 58 | 57 | 48 | 47 | 46 | 41 | | | | | | | | | | | | | | | | | | | | |
| 2 | 89 | 82 | 76 | 71 | 82 | 75 | 70 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 39 | 34 | | | | | | | | | | | | | | | | | | | | |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 60 | 55 | 56 | 52 | 48 | 47 | 43 | 41 | 38 | 36 | 34 | 29 | | | | | | | | | | | | | | | | | | | | |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 42 | 38 | 35 | 34 | 31 | 29 | 25 | | | | | | | | | | | | | | | | | | | | |
| 5 | 68 | 57 | 49 | 43 | 63 | 53 | 46 | 40 | 45 | 39 | 35 | 38 | 34 | 30 | 31 | 28 | 25 | 22 | | | | | | | | | | | | | | | | | | | | |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 22 | 20 | | | | | | | | | | | | | | | | | | | | |
| 7 | 58 | 46 | 38 | 33 | 53 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 27 | 24 | 25 | 22 | 20 | 17 | | | | | | | | | | | | | | | | | | | | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 18 | 16 | | | | | | | | | | | | | | | | | | | | |
| 9 | 50 | 38 | 31 | 26 | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 26 | 22 | 19 | 22 | 18 | 16 | 14 | | | | | | | | | | | | | | | | | | | | |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 5175 | 5175 | 5175 | 5175 |
| 5° | 6172 | 5198 | 4606 | 5198 |
| 10° | 7725 | 5172 | 4161 | 5172 |
| 15° | 9475 | 5129 | 3874 | 5129 |
| 20° | 11287 | 5065 | 3688 | 5065 |
| 25° | 11986 | 4986 | 3646 | 4986 |
| 30° | 10274 | 4928 | 3665 | 4928 |
| 35° | 7144 | 4846 | 3704 | 4846 |
| 40° | 5382 | 4749 | 3693 | 4749 |
| 45° | 4468 | 4606 | 3646 | 4606 |
| 50° | 4002 | 4315 | 3612 | 4315 |
| 55° | 3742 | 4001 | 3567 | 4001 |
| 60° | 3511 | 3670 | 3531 | 3670 |
| 65° | 3298 | 3347 | 3418 | 3347 |
| 70° | 3094 | 2977 | 3254 | 2977 |
| 75° | 2770 | 2608 | 2986 | 2608 |
| 80° | 2424 | 2139 | 2572 | 2139 |
| 85° | 1902 | 1556 | 1729 | 1556 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.4 | 1.6 |
| 10°-20° | 151.9 | 5.0 |
| 20°-30° | 254.9 | 8.4 |
| 30°-40° | 288.6 | 9.5 |
| 40°-50° | 258.8 | 8.5 |
| 50°-60° | 208.9 | 6.8 |
| 60°-70° | 145.6 | 4.8 |
| 70°-80° | 76.5 | 2.5 |
| 80°-90° | 20.4 | 0.7 |
| 90°-100° | 37.6 | 1.2 |
| 100°-110° | 112.5 | 3.7 |
| 110°-120° | 191.3 | 6.3 |
| 120°-130° | 251.7 | 8.2 |
| 130°-140° | 282.9 | 9.3 |
| 140°-150° | 278.0 | 9.1 |
| 150°-160° | 234.1 | 7.7 |
| 160°-170° | 155.8 | 5.1 |
| 170°-180° | 54.6 | 1.8 |
| 0°-30° | 454.2 | 14.9 |
| 0°-40° | 742.8 | 24.3 |
| 0°-60° | 1210.5 | 39.7 |
| 0°-90° | 1453.0 | 47.6 |
| 90°-120° | 341.4 | 11.2 |
| 90°-150° | 1153.9 | 37.8 |
| 90°-180° | 1598.0 | 52.4 |
| 0°-180° | 3051.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0° | 481 | 481 | 481 | 481 | 481 | |
| 5° | 571 | 481 | 426 | 481 | 571 | 59 |
| 15° | 850 | 460 | 348 | 460 | 850 | 246 |
| 25° | 1009 | 420 | 307 | 420 | 1009 | 443 |
| 35° | 544 | 369 | 282 | 369 | 544 | 353 |
| 45° | 294 | 303 | 240 | 303 | 294 | 232 |
| 55° | 199 | 213 | 190 | 213 | 199 | 179 |
| 65° | 130 | 131 | 134 | 131 | 130 | 129 |
| 75° | 67 | 63 | 72 | 63 | 67 | 71 |
| 85° | 15 | 13 | 14 | 13 | 15 | 19 |
| 90° | 14 | 0 | 14 | 0 | 14 | 7 |
| 95° | 35 | 27 | 35 | 27 | 35 | 36 |
| 105° | 108 | 102 | 108 | 102 | 108 | 114 |
| 115° | 193 | 193 | 193 | 193 | 193 | 191 |
| 125° | 279 | 282 | 279 | 282 | 279 | 249 |
| 135° | 365 | 366 | 365 | 366 | 365 | 281 |
| 145° | 444 | 444 | 444 | 444 | 444 | 277 |
| 155° | 507 | 508 | 507 | 508 | 507 | 233 |
| 165° | 552 | 553 | 552 | 553 | 552 | 156 |
| 175° | 573 | 576 | 573 | 576 | 573 | 54 |
| 180° | 577 | 577 | 577 | 577 | 577 | |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 |
| 2.5° | 510.3 | 509.9 | 509.0 | 509.7 | 508.2 | 506.2 | 506.0 | 504.1 | 498.7 | 498.4 | 496.9 |
| 5° | 571.2 | 569.4 | 569.1 | 568.9 | 565.6 | 561.2 | 552.8 | 552.1 | 540.9 | 535.4 | 528.6 |
| 7.5° | 650.2 | 651.1 | 647.7 | 644.8 | 634.8 | 628.2 | 619.2 | 607.7 | 594.0 | 580.0 | 570.8 |
| 10° | 706.8 | 714.5 | 705.0 | 698.4 | 692.4 | 681.0 | 667.7 | 651.1 | 634.6 | 615.3 | 600.6 |
| 12.5° | 767.6 | 771.3 | 769.4 | 763.3 | 753.9 | 736.5 | 713.0 | 694.7 | 679.5 | 647.3 | 634.3 |
| 15° | 850.3 | 864.5 | 855.4 | 834.5 | 834.9 | 818.4 | 787.7 | 753.9 | 735.9 | 707.7 | 669.3 |
| 17.5° | 938.5 | 940.2 | 936.4 | 918.9 | 907.3 | 884.5 | 856.1 | 823.8 | 787.4 | 753.3 | 712.5 |
| 20° | 985.4 | 984.0 | 975.9 | 966.8 | 946.8 | 929.1 | 898.1 | 862.0 | 815.4 | 781.8 | 737.3 |
| 22.5° | 1011.5 | 1009.2 | 1005.3 | 997.7 | 981.1 | 962.1 | 934.2 | 894.8 | 850.4 | 804.2 | 752.8 |
| 25° | 1009.2 | 1012.2 | 1012.7 | 1010.6 | 1004.8 | 993.4 | 971.5 | 940.0 | 895.8 | 836.3 | 782.8 |
| 27.5° | 917.9 | 922.2 | 934.6 | 945.7 | 958.0 | 970.6 | 968.9 | 953.3 | 920.5 | 869.2 | 803.7 |
| 30° | 826.6 | 817.2 | 840.3 | 869.4 | 889.2 | 924.2 | 943.7 | 944.9 | 926.5 | 882.5 | 818.6 |
| 32.5° | 699.8 | 710.1 | 720.3 | 756.1 | 799.4 | 838.6 | 877.6 | 908.9 | 912.5 | 883.2 | 827.4 |
| 35° | 543.7 | 556.6 | 575.2 | 593.8 | 640.4 | 680.5 | 749.0 | 808.6 | 856.1 | 862.4 | 828.2 |
| 37.5° | 438.2 | 444.5 | 456.3 | 475.0 | 505.4 | 553.0 | 605.9 | 681.3 | 750.2 | 801.4 | 803.6 |
| 40° | 383.0 | 384.9 | 398.1 | 412.3 | 437.0 | 476.2 | 523.9 | 590.6 | 673.0 | 744.6 | 774.4 |
| 42.5° | 341.6 | 345.7 | 351.4 | 365.0 | 384.7 | 414.1 | 458.5 | 513.6 | 589.2 | 671.5 | 729.8 |
| 45° | 293.5 | 298.2 | 301.7 | 310.8 | 324.8 | 344.6 | 375.5 | 425.9 | 483.4 | 568.4 | 646.9 |
| 47.5° | 261.8 | 262.1 | 264.7 | 271.6 | 281.1 | 296.0 | 317.9 | 350.2 | 403.0 | 472.0 | 552.6 |
| 50° | 239.0 | 242.7 | 243.7 | 249.0 | 256.5 | 267.4 | 285.6 | 313.1 | 356.4 | 417.0 | 491.1 |
| 52.5° | 223.0 | 224.1 | 226.7 | 230.6 | 237.1 | 245.6 | 261.4 | 282.9 | 316.9 | 368.6 | 436.7 |
| 55° | 199.4 | 199.4 | 202.0 | 205.0 | 208.7 | 216.4 | 226.9 | 242.7 | 268.6 | 308.7 | 365.1 |
| 57.5° | 177.6 | 178.8 | 180.6 | 181.5 | 184.7 | 189.8 | 198.5 | 210.6 | 229.8 | 260.7 | 305.5 |
| 60° | 163.1 | 165.2 | 164.9 | 166.8 | 169.6 | 173.6 | 181.0 | 190.8 | 208.0 | 232.7 | 270.5 |
| 62.5° | 150.4 | 150.3 | 150.2 | 152.5 | 155.2 | 159.0 | 163.9 | 172.3 | 187.0 | 208.9 | 241.0 |
| 65° | 129.5 | 129.1 | 130.7 | 132.1 | 133.0 | 135.8 | 139.5 | 147.0 | 156.8 | 173.1 | 198.0 |
| 67.5° | 111.0 | 109.6 | 110.5 | 111.0 | 112.6 | 114.8 | 118.3 | 122.9 | 130.6 | 143.7 | 162.5 |
| 70° | 98.3 | 97.1 | 96.9 | 97.4 | 98.8 | 100.4 | 103.0 | 107.4 | 114.6 | 125.1 | 138.8 |
| 72.5° | 85.3 | 84.5 | 84.4 | 85.5 | 86.1 | 87.2 | 89.0 | 93.0 | 98.8 | 106.7 | 119.5 |
| 75° | 66.6 | 66.6 | 66.6 | 66.9 | 67.6 | 68.5 | 69.9 | 72.0 | 76.4 | 82.0 | 90.6 |
| 77.5° | 49.9 | 49.9 | 49.6 | 49.6 | 50.6 | 51.0 | 51.3 | 53.3 | 55.8 | 59.5 | 65.8 |
| 80° | 39.1 | 38.0 | 38.4 | 39.1 | 39.6 | 39.8 | 40.5 | 41.0 | 43.1 | 45.2 | 49.6 |
| 82.5° | 29.1 | 28.1 | 28.2 | 29.3 | 29.4 | 29.6 | 30.3 | 30.9 | 31.7 | 33.6 | 36.0 |
| 85° | 15.4 | 15.4 | 15.6 | 15.6 | 15.8 | 15.6 | 16.3 | 16.5 | 16.5 | 17.7 | 19.1 |
| 87.5° | 8.3 | 7.9 | 8.0 | 8.2 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.4 |
| 90° | 13.6 | 13.4 | 13.2 | 13.0 | 12.8 | 12.5 | 12.1 | 11.7 | 11.3 | 10.9 | 9.6 |
| 92.5° | 18.3 | 18.4 | 18.5 | 18.7 | 18.8 | 18.7 | 18.4 | 18.0 | 17.7 | 17.4 | 16.7 |
| 95° | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.1 | 34.7 | 34.3 | 33.9 | 33.5 | 32.7 |
| 97.5° | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54.3 | 53.9 | 53.4 | 52.9 | 52.5 | 51.9 |
| 100° | 68.9 | 68.7 | 68.5 | 68.3 | 68.1 | 67.8 | 67.5 | 67.2 | 66.9 | 66.6 | 66.1 |
| 102.5° | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 83.8 | 83.5 | 83.2 | 82.9 | 82.6 | 81.9 |
| 105° | 107.9 | 107.7 | 107.5 | 107.3 | 107.0 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.0 |
| 107.5° | 133.0 | 133.1 | 133.2 | 133.3 | 133.4 | 133.3 | 133.0 | 132.7 | 132.4 | 132.1 | 131.7 |
| 110° | 150.0 | 150.2 | 150.4 | 150.6 | 150.8 | 150.7 | 150.3 | 149.9 | 149.5 | 149.1 | 148.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.1 | 168.2 | 168.2 | 168.2 | 168.3 | 168.1 | 167.6 | 167.1 | 166.6 | 166.1 | 166.1 |
| 115° | 193.1 | 193.2 | 193.3 | 193.4 | 193.5 | 193.5 | 193.4 | 193.3 | 193.2 | 193.1 | 193.3 |
| 117.5° | 218.3 | 218.6 | 218.9 | 219.2 | 219.5 | 219.6 | 219.6 | 219.7 | 219.7 | 219.7 | 220.0 |
| 120° | 236.1 | 236.3 | 236.5 | 236.7 | 236.9 | 237.1 | 237.2 | 237.3 | 237.4 | 237.5 | 238.0 |
| 122.5° | 253.1 | 253.4 | 253.7 | 254.0 | 254.3 | 254.5 | 254.8 | 255.1 | 255.3 | 255.6 | 255.9 |
| 125° | 278.7 | 279.1 | 279.5 | 279.9 | 280.3 | 280.7 | 281.1 | 281.5 | 281.9 | 282.3 | 282.5 |
| 127.5° | 304.2 | 304.6 | 305.1 | 305.6 | 306.0 | 306.5 | 307.1 | 307.7 | 308.2 | 308.8 | 309.0 |
| 130° | 320.8 | 321.6 | 322.3 | 323.0 | 323.7 | 324.2 | 324.6 | 325.0 | 325.4 | 325.8 | 326.1 |
| 132.5° | 338.2 | 338.8 | 339.3 | 339.9 | 340.4 | 340.9 | 341.4 | 341.9 | 342.4 | 342.9 | 343.1 |
| 135° | 365.3 | 365.5 | 365.7 | 365.9 | 366.1 | 366.4 | 366.8 | 367.2 | 367.6 | 368.0 | 368.1 |
| 137.5° | 389.1 | 389.5 | 389.9 | 390.2 | 390.6 | 391.0 | 391.5 | 391.9 | 392.3 | 392.7 | 392.5 |
| 140° | 404.7 | 405.4 | 406.1 | 406.8 | 407.5 | 407.9 | 408.0 | 408.1 | 408.2 | 408.3 | 408.2 |
| 142.5° | 420.6 | 421.2 | 421.7 | 422.3 | 422.8 | 423.1 | 423.2 | 423.3 | 423.4 | 423.5 | 423.4 |
| 145° | 443.7 | 444.1 | 444.5 | 444.9 | 445.3 | 445.5 | 445.6 | 445.7 | 445.8 | 445.9 | 445.6 |
| 147.5° | 464.1 | 464.7 | 465.3 | 466.0 | 466.6 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.6 |
| 150° | 477.2 | 477.8 | 478.4 | 479.0 | 479.6 | 479.9 | 479.9 | 479.9 | 479.9 | 479.9 | 479.7 |
| 152.5° | 489.9 | 490.4 | 490.9 | 491.5 | 492.0 | 492.2 | 492.0 | 491.8 | 491.7 | 491.5 | 491.4 |
| 155° | 507.1 | 507.8 | 508.5 | 509.2 | 509.9 | 510.1 | 509.7 | 509.3 | 508.9 | 508.5 | 508.4 |
| 157.5° | 522.8 | 523.3 | 523.9 | 524.5 | 525.0 | 525.1 | 524.7 | 524.3 | 523.8 | 523.4 | 523.3 |
| 160° | 532.9 | 533.3 | 533.7 | 534.1 | 534.5 | 534.5 | 534.0 | 533.5 | 533.0 | 532.5 | 532.5 |
| 162.5° | 540.5 | 541.2 | 541.8 | 542.5 | 543.1 | 543.2 | 542.7 | 542.2 | 541.7 | 541.2 | 541.1 |
| 165° | 551.5 | 552.2 | 552.9 | 553.6 | 554.3 | 554.4 | 553.8 | 553.2 | 552.6 | 552.0 | 552.0 |
| 167.5° | 560.8 | 561.5 | 562.1 | 562.7 | 563.3 | 563.3 | 562.7 | 562.1 | 561.5 | 560.8 | 560.8 |
| 170° | 565.6 | 566.3 | 567.0 | 567.7 | 568.4 | 568.4 | 567.7 | 567.0 | 566.3 | 565.6 | 565.6 |
| 172.5° | 569.2 | 569.9 | 570.6 | 571.3 | 572.0 | 572.0 | 571.4 | 570.8 | 570.2 | 569.5 | 569.5 |
| 175° | 573.3 | 574.0 | 574.7 | 575.4 | 576.1 | 576.1 | 575.5 | 574.9 | 574.3 | 573.7 | 573.7 |
| 177.5° | 575.4 | 576.0 | 576.6 | 577.1 | 577.7 | 577.7 | 577.3 | 576.8 | 576.3 | 575.8 | 575.8 |
| 180° | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 |
| 2.5° | 495.7 | 494.3 | 492.8 | 490.2 | 487.9 | 484.8 | 483.8 | 482.7 | 479.3 | 476.4 | 474.1 |
| 5° | 526.0 | 520.4 | 512.3 | 504.8 | 498.8 | 490.6 | 486.0 | 481.1 | 474.1 | 467.8 | 462.7 |
| 7.5° | 557.7 | 546.7 | 534.0 | 520.4 | 507.6 | 495.3 | 485.4 | 476.5 | 466.7 | 457.5 | 450.2 |
| 10° | 582.9 | 567.0 | 549.3 | 530.2 | 513.9 | 498.1 | 484.8 | 473.2 | 460.6 | 449.6 | 440.5 |
| 12.5° | 611.6 | 588.1 | 563.7 | 540.5 | 521.2 | 499.2 | 483.1 | 468.3 | 454.0 | 440.9 | 430.7 |
| 15° | 645.5 | 615.7 | 586.8 | 554.9 | 525.6 | 498.1 | 479.0 | 460.3 | 443.8 | 430.3 | 417.2 |
| 17.5° | 676.5 | 642.7 | 604.6 | 565.8 | 530.4 | 497.8 | 471.1 | 450.0 | 429.3 | 412.8 | 399.8 |
| 20° | 694.0 | 655.6 | 612.5 | 572.2 | 533.0 | 496.7 | 467.3 | 442.2 | 419.8 | 402.3 | 387.7 |
| 22.5° | 709.1 | 664.1 | 619.5 | 576.4 | 532.8 | 493.7 | 460.4 | 434.5 | 410.3 | 393.2 | 377.6 |
| 25° | 724.8 | 670.9 | 626.2 | 575.7 | 527.0 | 486.4 | 449.2 | 419.8 | 395.6 | 375.5 | 359.5 |
| 27.5° | 738.2 | 670.5 | 617.4 | 563.0 | 517.7 | 477.1 | 437.3 | 405.8 | 380.1 | 358.3 | 342.0 |
| 30° | 747.1 | 671.4 | 608.3 | 554.5 | 508.8 | 466.9 | 428.2 | 396.5 | 369.5 | 347.4 | 332.0 |
| 32.5° | 752.7 | 670.8 | 599.9 | 542.5 | 494.6 | 457.5 | 418.3 | 385.5 | 357.7 | 336.0 | 321.2 |
| 35° | 756.0 | 666.7 | 585.4 | 517.9 | 471.8 | 435.6 | 402.8 | 368.8 | 339.7 | 319.4 | 302.6 |
| 37.5° | 749.4 | 658.1 | 568.7 | 494.1 | 443.6 | 408.1 | 380.4 | 351.5 | 323.6 | 301.3 | 286.8 |
| 40° | 739.2 | 652.5 | 555.6 | 477.3 | 424.2 | 390.0 | 366.5 | 338.0 | 310.5 | 289.3 | 275.8 |
| 42.5° | 719.6 | 641.2 | 541.3 | 458.7 | 404.1 | 369.9 | 348.2 | 324.4 | 298.4 | 278.5 | 265.0 |
| 45° | 671.9 | 616.4 | 519.7 | 430.8 | 374.4 | 339.0 | 319.9 | 302.6 | 279.1 | 259.8 | 248.1 |
| 47.5° | 605.6 | 579.2 | 488.6 | 401.3 | 343.3 | 309.3 | 289.4 | 275.6 | 258.4 | 242.7 | 231.6 |
| 50° | 559.6 | 548.6 | 467.6 | 381.1 | 322.7 | 289.3 | 270.2 | 257.7 | 245.3 | 229.7 | 219.5 |
| 52.5° | 506.5 | 513.2 | 443.0 | 360.3 | 301.6 | 268.8 | 250.9 | 240.9 | 229.7 | 216.8 | 207.9 |
| 55° | 431.7 | 456.1 | 400.5 | 325.2 | 270.2 | 239.0 | 222.0 | 213.2 | 206.6 | 197.1 | 189.4 |
| 57.5° | 361.7 | 392.8 | 354.5 | 289.1 | 239.4 | 212.5 | 196.2 | 186.6 | 182.4 | 177.4 | 171.3 |
| 60° | 320.1 | 350.8 | 321.7 | 264.9 | 218.8 | 193.1 | 178.7 | 170.5 | 166.3 | 162.8 | 157.7 |
| 62.5° | 283.0 | 314.1 | 289.7 | 240.3 | 198.4 | 174.7 | 162.1 | 154.1 | 150.9 | 149.1 | 144.7 |
| 65° | 232.0 | 258.8 | 242.5 | 202.0 | 169.4 | 148.4 | 137.0 | 131.4 | 128.4 | 127.7 | 124.9 |
| 67.5° | 188.8 | 209.2 | 197.4 | 167.5 | 141.9 | 123.8 | 114.1 | 109.3 | 107.0 | 106.7 | 104.6 |
| 70° | 160.5 | 179.6 | 170.5 | 143.5 | 121.4 | 107.2 | 98.8 | 94.6 | 93.2 | 93.0 | 91.8 |
| 72.5° | 138.5 | 151.8 | 144.6 | 122.1 | 105.0 | 92.1 | 85.9 | 81.5 | 80.0 | 80.3 | 79.5 |
| 75° | 102.5 | 112.5 | 108.3 | 92.7 | 79.0 | 70.6 | 65.5 | 62.7 | 61.3 | 62.0 | 61.0 |
| 77.5° | 73.8 | 80.1 | 76.3 | 65.5 | 57.0 | 51.0 | 47.2 | 45.5 | 44.2 | 44.2 | 43.8 |
| 80° | 55.7 | 59.4 | 57.3 | 50.8 | 43.8 | 38.7 | 35.6 | 34.5 | 33.8 | 33.5 | 33.3 |
| 82.5° | 39.7 | 42.8 | 40.3 | 35.9 | 31.1 | 28.0 | 26.3 | 24.8 | 24.3 | 24.4 | 24.2 |
| 85° | 20.0 | 21.2 | 20.3 | 17.5 | 15.6 | 14.2 | 13.3 | 12.6 | 12.1 | 12.3 | 11.9 |
| 87.5° | 8.5 | 8.5 | 7.7 | 6.7 | 6.1 | 5.3 | 5.1 | 4.6 | 4.4 | 4.6 | 4.6 |
| 90° | 8.3 | 6.9 | 5.6 | 4.5 | 3.5 | 2.5 | 1.5 | 0.5 | 1.5 | 2.5 | 3.5 |
| 92.5° | 15.9 | 15.2 | 14.4 | 13.7 | 13.0 | 12.3 | 11.7 | 11.0 | 11.7 | 12.3 | 13.0 |
| 95° | 31.9 | 31.1 | 30.3 | 29.6 | 28.9 | 28.1 | 27.4 | 26.7 | 27.4 | 28.1 | 28.9 |
| 97.5° | 51.3 | 50.7 | 50.1 | 49.6 | 49.1 | 48.5 | 48.0 | 47.5 | 48.0 | 48.5 | 49.1 |
| 100° | 65.6 | 65.1 | 64.6 | 64.0 | 63.4 | 62.8 | 62.2 | 61.6 | 62.2 | 62.8 | 63.4 |
| 102.5° | 81.2 | 80.6 | 79.9 | 79.4 | 79.0 | 78.7 | 78.3 | 77.9 | 78.3 | 78.7 | 79.0 |
| 105° | 105.1 | 104.2 | 103.3 | 102.8 | 102.6 | 102.4 | 102.2 | 102.0 | 102.2 | 102.4 | 102.6 |
| 107.5° | 131.3 | 131.0 | 130.6 | 130.4 | 130.2 | 130.1 | 130.0 | 129.9 | 130.0 | 130.1 | 130.2 |
| 110° | 148.7 | 148.5 | 148.3 | 148.1 | 147.9 | 147.7 | 147.5 | 147.3 | 147.5 | 147.7 | 147.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 166.1 | 166.0 | 166.0 | 165.9 | 165.8 | 165.7 | 165.5 | 165.4 | 165.5 | 165.7 | 165.8 |
| 115° | 193.5 | 193.7 | 193.9 | 193.8 | 193.5 | 193.2 | 192.9 | 192.6 | 192.9 | 193.2 | 193.5 |
| 117.5° | 220.2 | 220.5 | 220.7 | 220.8 | 220.6 | 220.4 | 220.2 | 220.0 | 220.2 | 220.4 | 220.6 |
| 120° | 238.5 | 239.0 | 239.5 | 239.4 | 238.8 | 238.2 | 237.6 | 237.0 | 237.6 | 238.2 | 238.8 |
| 122.5° | 256.1 | 256.4 | 256.6 | 256.5 | 256.1 | 255.7 | 255.2 | 254.8 | 255.2 | 255.7 | 256.1 |
| 125° | 282.7 | 282.9 | 283.1 | 283.1 | 282.8 | 282.5 | 282.2 | 281.9 | 282.2 | 282.5 | 282.8 |
| 127.5° | 309.2 | 309.5 | 309.7 | 309.5 | 308.8 | 308.2 | 307.5 | 306.9 | 307.5 | 308.2 | 308.8 |
| 130° | 326.4 | 326.7 | 327.0 | 326.8 | 326.0 | 325.2 | 324.4 | 323.6 | 324.4 | 325.2 | 326.0 |
| 132.5° | 343.3 | 343.5 | 343.8 | 343.5 | 342.7 | 341.9 | 341.0 | 340.2 | 341.0 | 341.9 | 342.7 |
| 135° | 368.2 | 368.3 | 368.4 | 368.1 | 367.5 | 366.9 | 366.3 | 365.7 | 366.3 | 366.9 | 367.5 |
| 137.5° | 392.2 | 391.9 | 391.7 | 391.3 | 390.8 | 390.3 | 389.8 | 389.3 | 389.8 | 390.3 | 390.8 |
| 140° | 408.1 | 408.0 | 407.9 | 407.6 | 407.1 | 406.6 | 406.1 | 405.6 | 406.1 | 406.6 | 407.1 |
| 142.5° | 423.2 | 423.0 | 422.8 | 422.5 | 422.0 | 421.5 | 421.0 | 420.5 | 421.0 | 421.5 | 422.0 |
| 145° | 445.3 | 445.0 | 444.7 | 444.5 | 444.3 | 444.1 | 443.9 | 443.7 | 443.9 | 444.1 | 444.3 |
| 147.5° | 466.3 | 466.0 | 465.7 | 465.4 | 465.0 | 464.7 | 464.3 | 464.0 | 464.3 | 464.7 | 465.0 |
| 150° | 479.5 | 479.3 | 479.1 | 478.9 | 478.7 | 478.5 | 478.3 | 478.1 | 478.3 | 478.5 | 478.7 |
| 152.5° | 491.3 | 491.1 | 491.0 | 490.8 | 490.5 | 490.3 | 490.0 | 489.7 | 490.0 | 490.3 | 490.5 |
| 155° | 508.3 | 508.2 | 508.1 | 508.0 | 508.0 | 508.0 | 508.0 | 508.0 | 508.0 | 508.0 | 508.0 |
| 157.5° | 523.3 | 523.2 | 523.1 | 523.1 | 523.2 | 523.4 | 523.5 | 523.6 | 523.5 | 523.4 | 523.2 |
| 160° | 532.5 | 532.5 | 532.5 | 532.6 | 532.8 | 533.0 | 533.2 | 533.4 | 533.2 | 533.0 | 532.8 |
| 162.5° | 541.0 | 540.9 | 540.9 | 541.0 | 541.2 | 541.5 | 541.8 | 542.1 | 541.8 | 541.5 | 541.2 |
| 165° | 552.0 | 552.0 | 552.0 | 552.1 | 552.4 | 552.7 | 553.0 | 553.3 | 553.0 | 552.7 | 552.4 |
| 167.5° | 560.7 | 560.6 | 560.5 | 560.7 | 561.1 | 561.5 | 561.9 | 562.3 | 561.9 | 561.5 | 561.1 |
| 170° | 565.6 | 565.6 | 565.6 | 565.8 | 566.2 | 566.6 | 567.0 | 567.4 | 567.0 | 566.6 | 566.2 |
| 172.5° | 569.5 | 569.5 | 569.5 | 569.7 | 570.2 | 570.6 | 571.0 | 571.4 | 571.0 | 570.6 | 570.2 |
| 175° | 573.7 | 573.7 | 573.7 | 573.9 | 574.3 | 574.7 | 575.1 | 575.5 | 575.1 | 574.7 | 574.3 |
| 177.5° | 575.8 | 575.8 | 575.8 | 576.0 | 576.3 | 576.6 | 576.9 | 577.3 | 576.9 | 576.6 | 576.3 |
| 180° | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 |
| 2.5° | 472.8 | 471.5 | 469.7 | 466.9 | 464.6 | 461.1 | 461.1 | 461.6 | 461.6 | 461.5 | 461.1 |
| 5° | 458.5 | 455.0 | 450.8 | 445.9 | 440.8 | 435.6 | 434.7 | 432.8 | 431.5 | 430.5 | 429.4 |
| 7.5° | 443.3 | 437.1 | 431.0 | 424.2 | 417.9 | 412.8 | 409.2 | 406.2 | 404.3 | 402.2 | 400.7 |
| 10° | 433.1 | 425.4 | 418.2 | 411.0 | 403.0 | 396.7 | 392.8 | 390.0 | 387.9 | 386.0 | 385.1 |
| 12.5° | 421.0 | 412.2 | 404.2 | 397.3 | 388.7 | 382.2 | 378.4 | 377.1 | 374.7 | 370.7 | 368.7 |
| 15° | 403.3 | 395.1 | 385.6 | 375.1 | 370.9 | 363.0 | 358.5 | 356.4 | 355.0 | 352.0 | 351.1 |
| 17.5° | 388.1 | 377.5 | 366.7 | 358.9 | 351.1 | 344.7 | 342.2 | 339.6 | 337.8 | 335.3 | 334.5 |
| 20° | 376.0 | 366.5 | 356.7 | 348.3 | 340.1 | 333.1 | 331.0 | 329.2 | 327.3 | 326.2 | 325.2 |
| 22.5° | 363.7 | 354.2 | 346.0 | 338.2 | 329.5 | 324.9 | 322.7 | 320.6 | 319.3 | 318.5 | 317.6 |
| 25° | 346.4 | 338.0 | 328.9 | 322.0 | 315.0 | 311.9 | 310.5 | 309.4 | 308.4 | 307.3 | 307.0 |
| 27.5° | 331.0 | 321.8 | 314.5 | 307.9 | 302.9 | 300.4 | 299.0 | 298.5 | 298.7 | 299.1 | 299.4 |
| 30° | 319.4 | 311.0 | 305.0 | 299.4 | 294.7 | 292.4 | 292.1 | 292.1 | 293.1 | 293.3 | 293.8 |
| 32.5° | 308.8 | 301.9 | 295.8 | 290.4 | 286.9 | 285.3 | 286.2 | 286.2 | 286.9 | 287.5 | 288.4 |
| 35° | 293.3 | 287.2 | 282.6 | 277.9 | 274.9 | 275.6 | 276.1 | 276.5 | 277.7 | 279.1 | 280.0 |
| 37.5° | 278.5 | 273.3 | 268.4 | 264.8 | 263.4 | 264.6 | 265.8 | 266.7 | 268.1 | 269.2 | 270.1 |
| 40° | 267.9 | 263.9 | 259.3 | 256.0 | 256.5 | 257.2 | 258.1 | 259.3 | 260.5 | 261.2 | 262.1 |
| 42.5° | 258.0 | 253.9 | 250.3 | 247.6 | 248.3 | 249.2 | 249.7 | 250.3 | 251.7 | 253.0 | 253.5 |
| 45° | 243.0 | 239.7 | 236.5 | 234.8 | 235.3 | 235.8 | 236.2 | 236.9 | 238.1 | 239.0 | 239.3 |
| 47.5° | 226.1 | 223.8 | 221.6 | 220.0 | 220.8 | 220.6 | 221.2 | 222.7 | 223.0 | 223.6 | 224.9 |
| 50° | 215.3 | 213.2 | 210.6 | 210.1 | 210.1 | 210.1 | 210.4 | 212.2 | 212.2 | 213.2 | 214.1 |
| 52.5° | 203.3 | 202.0 | 200.4 | 199.5 | 199.1 | 199.1 | 200.1 | 201.0 | 201.4 | 202.7 | 203.7 |
| 55° | 185.7 | 184.3 | 182.9 | 182.2 | 181.7 | 182.2 | 184.0 | 184.5 | 185.7 | 186.4 | 187.1 |
| 57.5° | 167.3 | 166.2 | 165.1 | 164.7 | 164.6 | 165.2 | 166.2 | 167.6 | 167.9 | 170.1 | 171.1 |
| 60° | 155.2 | 153.5 | 152.6 | 152.6 | 152.1 | 154.2 | 153.8 | 156.1 | 156.6 | 158.0 | 159.6 |
| 62.5° | 142.7 | 140.5 | 140.1 | 140.1 | 140.8 | 141.4 | 142.0 | 143.0 | 144.3 | 146.0 | 147.3 |
| 65° | 122.5 | 121.4 | 123.0 | 122.8 | 122.3 | 123.7 | 123.7 | 124.9 | 126.3 | 127.9 | 130.5 |
| 67.5° | 103.5 | 102.9 | 103.0 | 103.0 | 103.7 | 104.5 | 105.2 | 106.2 | 107.9 | 109.6 | 111.3 |
| 70° | 90.6 | 91.3 | 90.2 | 91.1 | 91.8 | 92.0 | 92.5 | 93.9 | 95.7 | 96.9 | 98.8 |
| 72.5° | 78.1 | 78.1 | 78.2 | 78.6 | 79.3 | 79.7 | 80.2 | 81.8 | 83.8 | 84.8 | 86.3 |
| 75° | 60.1 | 59.9 | 60.6 | 60.6 | 61.7 | 62.2 | 62.7 | 63.4 | 65.2 | 66.6 | 67.8 |
| 77.5° | 43.9 | 44.2 | 44.0 | 44.8 | 44.5 | 44.6 | 46.0 | 46.7 | 46.9 | 49.7 | 50.3 |
| 80° | 33.1 | 33.5 | 33.8 | 34.0 | 34.2 | 33.8 | 35.4 | 36.1 | 36.1 | 37.7 | 38.9 |
| 82.5° | 23.8 | 24.0 | 24.6 | 24.9 | 24.9 | 25.4 | 25.5 | 26.0 | 26.6 | 27.3 | 28.8 |
| 85° | 11.9 | 12.6 | 12.8 | 12.6 | 12.8 | 12.3 | 13.0 | 13.3 | 13.5 | 13.5 | 13.5 |
| 87.5° | 4.6 | 5.0 | 5.1 | 5.6 | 5.6 | 6.1 | 6.2 | 5.9 | 6.0 | 6.6 | 5.9 |
| 90° | 4.5 | 5.6 | 6.9 | 8.3 | 9.6 | 10.9 | 11.3 | 11.7 | 12.1 | 12.5 | 12.8 |
| 92.5° | 13.7 | 14.4 | 15.2 | 15.9 | 16.7 | 17.4 | 17.7 | 18.0 | 18.4 | 18.7 | 18.8 |
| 95° | 29.6 | 30.3 | 31.1 | 31.9 | 32.7 | 33.5 | 33.9 | 34.3 | 34.7 | 35.1 | 35.3 |
| 97.5° | 49.6 | 50.1 | 50.7 | 51.3 | 51.9 | 52.5 | 52.9 | 53.4 | 53.9 | 54.3 | 54.5 |
| 100° | 64.0 | 64.6 | 65.1 | 65.6 | 66.1 | 66.6 | 66.9 | 67.2 | 67.5 | 67.8 | 68.1 |
| 102.5° | 79.4 | 79.9 | 80.6 | 81.2 | 81.9 | 82.6 | 82.9 | 83.2 | 83.5 | 83.8 | 83.9 |
| 105° | 102.8 | 103.3 | 104.2 | 105.1 | 106.0 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 107.0 |
| 107.5° | 130.4 | 130.6 | 131.0 | 131.3 | 131.7 | 132.1 | 132.4 | 132.7 | 133.0 | 133.3 | 133.4 |
| 110° | 148.1 | 148.3 | 148.5 | 148.7 | 148.9 | 149.1 | 149.5 | 149.9 | 150.3 | 150.7 | 150.8 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 165.9 | 166.0 | 166.0 | 166.1 | 166.1 | 166.1 | 166.6 | 167.1 | 167.6 | 168.1 | 168.3 |
| 115° | 193.8 | 193.9 | 193.7 | 193.5 | 193.3 | 193.1 | 193.2 | 193.3 | 193.4 | 193.5 | 193.5 |
| 117.5° | 220.8 | 220.7 | 220.5 | 220.2 | 220.0 | 219.7 | 219.7 | 219.7 | 219.6 | 219.6 | 219.5 |
| 120° | 239.4 | 239.5 | 239.0 | 238.5 | 238.0 | 237.5 | 237.4 | 237.3 | 237.2 | 237.1 | 236.9 |
| 122.5° | 256.5 | 256.6 | 256.4 | 256.1 | 255.9 | 255.6 | 255.3 | 255.1 | 254.8 | 254.5 | 254.3 |
| 125° | 283.1 | 283.1 | 282.9 | 282.7 | 282.5 | 282.3 | 281.9 | 281.5 | 281.1 | 280.7 | 280.3 |
| 127.5° | 309.5 | 309.7 | 309.5 | 309.2 | 309.0 | 308.8 | 308.2 | 307.7 | 307.1 | 306.5 | 306.0 |
| 130° | 326.8 | 327.0 | 326.7 | 326.4 | 326.1 | 325.8 | 325.4 | 325.0 | 324.6 | 324.2 | 323.7 |
| 132.5° | 343.5 | 343.8 | 343.5 | 343.3 | 343.1 | 342.9 | 342.4 | 341.9 | 341.4 | 340.9 | 340.4 |
| 135° | 368.1 | 368.4 | 368.3 | 368.2 | 368.1 | 368.0 | 367.6 | 367.2 | 366.8 | 366.4 | 366.1 |
| 137.5° | 391.3 | 391.7 | 391.9 | 392.2 | 392.5 | 392.7 | 392.3 | 391.9 | 391.5 | 391.0 | 390.6 |
| 140° | 407.6 | 407.9 | 408.0 | 408.1 | 408.2 | 408.3 | 408.2 | 408.1 | 408.0 | 407.9 | 407.5 |
| 142.5° | 422.5 | 422.8 | 423.0 | 423.2 | 423.4 | 423.5 | 423.4 | 423.3 | 423.2 | 423.1 | 422.8 |
| 145° | 444.5 | 444.7 | 445.0 | 445.3 | 445.6 | 445.9 | 445.8 | 445.7 | 445.6 | 445.5 | 445.3 |
| 147.5° | 465.4 | 465.7 | 466.0 | 466.3 | 466.6 | 466.9 | 466.9 | 466.9 | 466.9 | 466.9 | 466.6 |
| 150° | 478.9 | 479.1 | 479.3 | 479.5 | 479.7 | 479.9 | 479.9 | 479.9 | 479.9 | 479.9 | 479.6 |
| 152.5° | 490.8 | 491.0 | 491.1 | 491.3 | 491.4 | 491.5 | 491.7 | 491.8 | 492.0 | 492.2 | 492.0 |
| 155° | 508.0 | 508.1 | 508.2 | 508.3 | 508.4 | 508.5 | 508.9 | 509.3 | 509.7 | 510.1 | 509.9 |
| 157.5° | 523.1 | 523.1 | 523.2 | 523.3 | 523.3 | 523.4 | 523.8 | 524.3 | 524.7 | 525.1 | 525.0 |
| 160° | 532.6 | 532.5 | 532.5 | 532.5 | 532.5 | 532.5 | 533.0 | 533.5 | 534.0 | 534.5 | 534.5 |
| 162.5° | 541.0 | 540.9 | 540.9 | 541.0 | 541.1 | 541.2 | 541.7 | 542.2 | 542.7 | 543.2 | 543.1 |
| 165° | 552.1 | 552.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.6 | 553.2 | 553.8 | 554.4 | 554.3 |
| 167.5° | 560.7 | 560.5 | 560.6 | 560.7 | 560.8 | 560.8 | 561.5 | 562.1 | 562.7 | 563.3 | 563.3 |
| 170° | 565.8 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 566.3 | 567.0 | 567.7 | 568.4 | 568.4 |
| 172.5° | 569.7 | 569.5 | 569.5 | 569.5 | 569.5 | 569.5 | 570.2 | 570.8 | 571.4 | 572.0 | 572.0 |
| 175° | 573.9 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 574.3 | 574.9 | 575.5 | 576.1 | 576.1 |
| 177.5° | 576.0 | 575.8 | 575.8 | 575.8 | 575.8 | 575.8 | 576.3 | 576.8 | 577.3 | 577.7 | 577.7 |
| 180° | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 |
| 2.5° | 459.8 | 459.6 | 460.9 | 460.0 | 460.9 | 459.6 | 459.8 | 461.1 | 461.5 | 461.6 | 461.6 |
| 5° | 428.0 | 428.7 | 426.3 | 426.3 | 426.3 | 428.7 | 428.0 | 429.4 | 430.5 | 431.5 | 432.8 |
| 7.5° | 399.6 | 398.6 | 398.7 | 397.4 | 398.7 | 398.6 | 399.6 | 400.7 | 402.2 | 404.3 | 406.2 |
| 10° | 382.3 | 380.9 | 380.4 | 380.7 | 380.4 | 380.9 | 382.3 | 385.1 | 386.0 | 387.9 | 390.0 |
| 12.5° | 367.9 | 367.7 | 364.6 | 364.6 | 364.6 | 367.7 | 367.9 | 368.7 | 370.7 | 374.7 | 377.1 |
| 15° | 351.1 | 346.7 | 346.2 | 347.6 | 346.2 | 346.7 | 351.1 | 351.1 | 352.0 | 355.0 | 356.4 |
| 17.5° | 334.2 | 331.8 | 332.0 | 331.3 | 332.0 | 331.8 | 334.2 | 334.5 | 335.3 | 337.8 | 339.6 |
| 20° | 325.2 | 323.8 | 323.6 | 322.0 | 323.6 | 323.8 | 325.2 | 325.2 | 326.2 | 327.3 | 329.2 |
| 22.5° | 317.0 | 316.6 | 316.7 | 314.9 | 316.7 | 316.6 | 317.0 | 317.6 | 318.5 | 319.3 | 320.6 |
| 25° | 306.8 | 308.0 | 307.0 | 307.0 | 307.0 | 308.0 | 306.8 | 307.0 | 307.3 | 308.4 | 309.4 |
| 27.5° | 299.9 | 299.9 | 299.4 | 299.4 | 299.4 | 299.9 | 299.9 | 299.4 | 299.1 | 298.7 | 298.5 |
| 30° | 294.7 | 294.5 | 294.9 | 294.9 | 294.9 | 294.5 | 294.7 | 293.8 | 293.3 | 293.1 | 292.1 |
| 32.5° | 289.5 | 289.8 | 289.9 | 290.1 | 289.9 | 289.8 | 289.5 | 288.4 | 287.5 | 286.9 | 286.2 |
| 35° | 281.4 | 281.7 | 282.4 | 281.9 | 282.4 | 281.7 | 281.4 | 280.0 | 279.1 | 277.7 | 276.5 |
| 37.5° | 270.5 | 271.6 | 271.4 | 271.7 | 271.4 | 271.6 | 270.5 | 270.1 | 269.2 | 268.1 | 266.7 |
| 40° | 262.3 | 263.0 | 262.8 | 262.8 | 262.8 | 263.0 | 262.3 | 262.1 | 261.2 | 260.5 | 259.3 |
| 42.5° | 253.9 | 254.4 | 253.8 | 253.5 | 253.8 | 254.4 | 253.9 | 253.5 | 253.0 | 251.7 | 250.3 |
| 45° | 240.2 | 239.7 | 240.4 | 239.5 | 240.4 | 239.7 | 240.2 | 239.3 | 239.0 | 238.1 | 236.9 |
| 47.5° | 224.8 | 225.3 | 225.5 | 226.2 | 225.5 | 225.3 | 224.8 | 224.9 | 223.6 | 223.0 | 222.7 |
| 50° | 214.6 | 216.0 | 216.0 | 215.7 | 216.0 | 216.0 | 214.6 | 214.1 | 213.2 | 212.2 | 212.2 |
| 52.5° | 204.5 | 205.1 | 206.1 | 206.0 | 206.1 | 205.1 | 204.5 | 203.7 | 202.7 | 201.4 | 201.0 |
| 55° | 188.9 | 189.4 | 189.9 | 190.1 | 189.9 | 189.4 | 188.9 | 187.1 | 186.4 | 185.7 | 184.5 |
| 57.5° | 172.8 | 172.6 | 173.7 | 174.1 | 173.7 | 172.6 | 172.8 | 171.1 | 170.1 | 167.9 | 167.6 |
| 60° | 161.4 | 161.4 | 163.3 | 164.0 | 163.3 | 161.4 | 161.4 | 159.6 | 158.0 | 156.6 | 156.1 |
| 62.5° | 149.3 | 150.1 | 151.9 | 151.0 | 151.9 | 150.1 | 149.3 | 147.3 | 146.0 | 144.3 | 143.0 |
| 65° | 131.6 | 133.5 | 133.3 | 134.2 | 133.3 | 133.5 | 131.6 | 130.5 | 127.9 | 126.3 | 124.9 |
| 67.5° | 113.1 | 114.3 | 116.0 | 116.1 | 116.0 | 114.3 | 113.1 | 111.3 | 109.6 | 107.9 | 106.2 |
| 70° | 100.6 | 101.8 | 102.7 | 103.4 | 102.7 | 101.8 | 100.6 | 98.8 | 96.9 | 95.7 | 93.9 |
| 72.5° | 88.5 | 89.1 | 91.4 | 90.4 | 91.4 | 89.1 | 88.5 | 86.3 | 84.8 | 83.8 | 81.8 |
| 75° | 69.4 | 71.1 | 72.5 | 71.8 | 72.5 | 71.1 | 69.4 | 67.8 | 66.6 | 65.2 | 63.4 |
| 77.5° | 51.3 | 53.0 | 53.6 | 53.0 | 53.6 | 53.0 | 51.3 | 50.3 | 49.7 | 46.9 | 46.7 |
| 80° | 40.5 | 40.3 | 41.7 | 41.5 | 41.7 | 40.3 | 40.5 | 38.9 | 37.7 | 36.1 | 36.1 |
| 82.5° | 29.7 | 29.5 | 30.1 | 30.3 | 30.1 | 29.5 | 29.7 | 28.8 | 27.3 | 26.6 | 26.0 |
| 85° | 14.4 | 15.1 | 14.2 | 14.0 | 14.2 | 15.1 | 14.4 | 13.5 | 13.5 | 13.5 | 13.3 |
| 87.5° | 6.0 | 6.0 | 5.8 | 5.7 | 5.8 | 6.0 | 6.0 | 5.9 | 6.6 | 6.0 | 5.9 |
| 90° | 13.0 | 13.2 | 13.4 | 13.6 | 13.4 | 13.2 | 13.0 | 12.8 | 12.5 | 12.1 | 11.7 |
| 92.5° | 18.7 | 18.5 | 18.4 | 18.3 | 18.4 | 18.5 | 18.7 | 18.8 | 18.7 | 18.4 | 18.0 |
| 95° | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.1 | 34.7 | 34.3 |
| 97.5° | 54.5 | 54.5 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54.3 | 53.9 | 53.4 |
| 100° | 68.3 | 68.5 | 68.7 | 68.9 | 68.7 | 68.5 | 68.3 | 68.1 | 67.8 | 67.5 | 67.2 |
| 102.5° | 83.9 | 83.8 | 83.8 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 83.8 | 83.5 | 83.2 |
| 105° | 107.3 | 107.5 | 107.7 | 107.9 | 107.7 | 107.5 | 107.3 | 107.0 | 106.9 | 106.9 | 106.9 |
| 107.5° | 133.3 | 133.2 | 133.1 | 133.0 | 133.1 | 133.2 | 133.3 | 133.4 | 133.3 | 133.0 | 132.7 |
| 110° | 150.6 | 150.4 | 150.2 | 150.0 | 150.2 | 150.4 | 150.6 | 150.8 | 150.7 | 150.3 | 149.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 168.2 | 168.2 | 168.2 | 168.1 | 168.2 | 168.2 | 168.2 | 168.3 | 168.1 | 167.6 | 167.1 |
| 115° | 193.4 | 193.3 | 193.2 | 193.1 | 193.2 | 193.3 | 193.4 | 193.5 | 193.5 | 193.4 | 193.3 |
| 117.5° | 219.2 | 218.9 | 218.6 | 218.3 | 218.6 | 218.9 | 219.2 | 219.5 | 219.6 | 219.6 | 219.7 |
| 120° | 236.7 | 236.5 | 236.3 | 236.1 | 236.3 | 236.5 | 236.7 | 236.9 | 237.1 | 237.2 | 237.3 |
| 122.5° | 254.0 | 253.7 | 253.4 | 253.1 | 253.4 | 253.7 | 254.0 | 254.3 | 254.5 | 254.8 | 255.1 |
| 125° | 279.9 | 279.5 | 279.1 | 278.7 | 279.1 | 279.5 | 279.9 | 280.3 | 280.7 | 281.1 | 281.5 |
| 127.5° | 305.6 | 305.1 | 304.6 | 304.2 | 304.6 | 305.1 | 305.6 | 306.0 | 306.5 | 307.1 | 307.7 |
| 130° | 323.0 | 322.3 | 321.6 | 320.8 | 321.6 | 322.3 | 323.0 | 323.7 | 324.2 | 324.6 | 325.0 |
| 132.5° | 339.9 | 339.3 | 338.8 | 338.2 | 338.8 | 339.3 | 339.9 | 340.4 | 340.9 | 341.4 | 341.9 |
| 135° | 365.9 | 365.7 | 365.5 | 365.3 | 365.5 | 365.7 | 365.9 | 366.1 | 366.4 | 366.8 | 367.2 |
| 137.5° | 390.2 | 389.9 | 389.5 | 389.1 | 389.5 | 389.9 | 390.2 | 390.6 | 391.0 | 391.5 | 391.9 |
| 140° | 406.8 | 406.1 | 405.4 | 404.7 | 405.4 | 406.1 | 406.8 | 407.5 | 407.9 | 408.0 | 408.1 |
| 142.5° | 422.3 | 421.7 | 421.2 | 420.6 | 421.2 | 421.7 | 422.3 | 422.8 | 423.1 | 423.2 | 423.3 |
| 145° | 444.9 | 444.5 | 444.1 | 443.7 | 444.1 | 444.5 | 444.9 | 445.3 | 445.5 | 445.6 | 445.7 |
| 147.5° | 466.0 | 465.3 | 464.7 | 464.1 | 464.7 | 465.3 | 466.0 | 466.6 | 466.9 | 466.9 | 466.9 |
| 150° | 479.0 | 478.4 | 477.8 | 477.2 | 477.8 | 478.4 | 479.0 | 479.6 | 479.9 | 479.9 | 479.9 |
| 152.5° | 491.5 | 490.9 | 490.4 | 489.9 | 490.4 | 490.9 | 491.5 | 492.0 | 492.2 | 492.0 | 491.8 |
| 155° | 509.2 | 508.5 | 507.8 | 507.1 | 507.8 | 508.5 | 509.2 | 509.9 | 510.1 | 509.7 | 509.3 |
| 157.5° | 524.5 | 523.9 | 523.3 | 522.8 | 523.3 | 523.9 | 524.5 | 525.0 | 525.1 | 524.7 | 524.3 |
| 160° | 534.1 | 533.7 | 533.3 | 532.9 | 533.3 | 533.7 | 534.1 | 534.5 | 534.5 | 534.0 | 533.5 |
| 162.5° | 542.5 | 541.8 | 541.2 | 540.5 | 541.2 | 541.8 | 542.5 | 543.1 | 543.2 | 542.7 | 542.2 |
| 165° | 553.6 | 552.9 | 552.2 | 551.5 | 552.2 | 552.9 | 553.6 | 554.3 | 554.4 | 553.8 | 553.2 |
| 167.5° | 562.7 | 562.1 | 561.5 | 560.8 | 561.5 | 562.1 | 562.7 | 563.3 | 563.3 | 562.7 | 562.1 |
| 170° | 567.7 | 567.0 | 566.3 | 565.6 | 566.3 | 567.0 | 567.7 | 568.4 | 568.4 | 567.7 | 567.0 |
| 172.5° | 571.3 | 570.6 | 569.9 | 569.2 | 569.9 | 570.6 | 571.3 | 572.0 | 572.0 | 571.4 | 570.8 |
| 175° | 575.4 | 574.7 | 574.0 | 573.3 | 574.0 | 574.7 | 575.4 | 576.1 | 576.1 | 575.5 | 574.9 |
| 177.5° | 577.1 | 576.6 | 576.0 | 575.4 | 576.0 | 576.6 | 577.1 | 577.7 | 577.7 | 577.3 | 576.8 |
| 180° | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 |
| 2.5° | 461.1 | 461.1 | 464.6 | 466.9 | 469.7 | 471.5 | 472.8 | 474.1 | 476.4 | 479.3 | 482.7 |
| 5° | 434.7 | 435.6 | 440.8 | 445.9 | 450.8 | 455.0 | 458.5 | 462.7 | 467.8 | 474.1 | 481.1 |
| 7.5° | 409.2 | 412.8 | 417.9 | 424.2 | 431.0 | 437.1 | 443.3 | 450.2 | 457.5 | 466.7 | 476.5 |
| 10° | 392.8 | 396.7 | 403.0 | 411.0 | 418.2 | 425.4 | 433.1 | 440.5 | 449.6 | 460.6 | 473.2 |
| 12.5° | 378.4 | 382.2 | 388.7 | 397.3 | 404.2 | 412.2 | 421.0 | 430.7 | 440.9 | 454.0 | 468.3 |
| 15° | 358.5 | 363.0 | 370.9 | 375.1 | 385.6 | 395.1 | 403.3 | 417.2 | 430.3 | 443.8 | 460.3 |
| 17.5° | 342.2 | 344.7 | 351.1 | 358.9 | 366.7 | 377.5 | 388.1 | 399.8 | 412.8 | 429.3 | 450.0 |
| 20° | 331.0 | 333.1 | 340.1 | 348.3 | 356.7 | 366.5 | 376.0 | 387.7 | 402.3 | 419.8 | 442.2 |
| 22.5° | 322.7 | 324.9 | 329.5 | 338.2 | 346.0 | 354.2 | 363.7 | 377.6 | 393.2 | 410.3 | 434.5 |
| 25° | 310.5 | 311.9 | 315.0 | 322.0 | 328.9 | 338.0 | 346.4 | 359.5 | 375.5 | 395.6 | 419.8 |
| 27.5° | 299.0 | 300.4 | 302.9 | 307.9 | 314.5 | 321.8 | 331.0 | 342.0 | 358.3 | 380.1 | 405.8 |
| 30° | 292.1 | 292.4 | 294.7 | 299.4 | 305.0 | 311.0 | 319.4 | 332.0 | 347.4 | 369.5 | 396.5 |
| 32.5° | 286.2 | 285.3 | 286.9 | 290.4 | 295.8 | 301.9 | 308.8 | 321.2 | 336.0 | 357.7 | 385.5 |
| 35° | 276.1 | 275.6 | 274.9 | 277.9 | 282.6 | 287.2 | 293.3 | 302.6 | 319.4 | 339.7 | 368.8 |
| 37.5° | 265.8 | 264.6 | 263.4 | 264.8 | 268.4 | 273.3 | 278.5 | 286.8 | 301.3 | 323.6 | 351.5 |
| 40° | 258.1 | 257.2 | 256.5 | 256.0 | 259.3 | 263.9 | 267.9 | 275.8 | 289.3 | 310.5 | 338.0 |
| 42.5° | 249.7 | 249.2 | 248.3 | 247.6 | 250.3 | 253.9 | 258.0 | 265.0 | 278.5 | 298.4 | 324.4 |
| 45° | 236.2 | 235.8 | 235.3 | 234.8 | 236.5 | 239.7 | 243.0 | 248.1 | 259.8 | 279.1 | 302.6 |
| 47.5° | 221.2 | 220.6 | 220.8 | 220.0 | 221.6 | 223.8 | 226.1 | 231.6 | 242.7 | 258.4 | 275.6 |
| 50° | 210.4 | 210.1 | 210.1 | 210.1 | 210.6 | 213.2 | 215.3 | 219.5 | 229.7 | 245.3 | 257.7 |
| 52.5° | 200.1 | 199.1 | 199.1 | 199.5 | 200.4 | 202.0 | 203.3 | 207.9 | 216.8 | 229.7 | 240.9 |
| 55° | 184.0 | 182.2 | 181.7 | 182.2 | 182.9 | 184.3 | 185.7 | 189.4 | 197.1 | 206.6 | 213.2 |
| 57.5° | 166.2 | 165.2 | 164.6 | 164.7 | 165.1 | 166.2 | 167.3 | 171.3 | 177.4 | 182.4 | 186.6 |
| 60° | 153.8 | 154.2 | 152.1 | 152.6 | 152.6 | 153.5 | 155.2 | 157.7 | 162.8 | 166.3 | 170.5 |
| 62.5° | 142.0 | 141.4 | 140.8 | 140.1 | 140.1 | 140.5 | 142.7 | 144.7 | 149.1 | 150.9 | 154.1 |
| 65° | 123.7 | 123.7 | 122.3 | 122.8 | 123.0 | 121.4 | 122.5 | 124.9 | 127.7 | 128.4 | 131.4 |
| 67.5° | 105.2 | 104.5 | 103.7 | 103.0 | 103.0 | 102.9 | 103.5 | 104.6 | 106.7 | 107.0 | 109.3 |
| 70° | 92.5 | 92.0 | 91.8 | 91.1 | 90.2 | 91.3 | 90.6 | 91.8 | 93.0 | 93.2 | 94.6 |
| 72.5° | 80.2 | 79.7 | 79.3 | 78.6 | 78.2 | 78.1 | 78.1 | 79.5 | 80.3 | 80.0 | 81.5 |
| 75° | 62.7 | 62.2 | 61.7 | 60.6 | 60.6 | 59.9 | 60.1 | 61.0 | 62.0 | 61.3 | 62.7 |
| 77.5° | 46.0 | 44.6 | 44.5 | 44.8 | 44.0 | 44.2 | 43.9 | 43.8 | 44.2 | 44.2 | 45.5 |
| 80° | 35.4 | 33.8 | 34.2 | 34.0 | 33.8 | 33.5 | 33.1 | 33.3 | 33.5 | 33.8 | 34.5 |
| 82.5° | 25.5 | 25.4 | 24.9 | 24.9 | 24.6 | 24.0 | 23.8 | 24.2 | 24.4 | 24.3 | 24.8 |
| 85° | 13.0 | 12.3 | 12.8 | 12.6 | 12.8 | 12.6 | 11.9 | 11.9 | 12.3 | 12.1 | 12.6 |
| 87.5° | 6.2 | 6.1 | 5.6 | 5.6 | 5.1 | 5.0 | 4.6 | 4.6 | 4.6 | 4.4 | 4.6 |
| 90° | 11.3 | 10.9 | 9.6 | 8.3 | 6.9 | 5.6 | 4.5 | 3.5 | 2.5 | 1.5 | 0.5 |
| 92.5° | 17.7 | 17.4 | 16.7 | 15.9 | 15.2 | 14.4 | 13.7 | 13.0 | 12.3 | 11.7 | 11.0 |
| 95° | 33.9 | 33.5 | 32.7 | 31.9 | 31.1 | 30.3 | 29.6 | 28.9 | 28.1 | 27.4 | 26.7 |
| 97.5° | 52.9 | 52.5 | 51.9 | 51.3 | 50.7 | 50.1 | 49.6 | 49.1 | 48.5 | 48.0 | 47.5 |
| 100° | 66.9 | 66.6 | 66.1 | 65.6 | 65.1 | 64.6 | 64.0 | 63.4 | 62.8 | 62.2 | 61.6 |
| 102.5° | 82.9 | 82.6 | 81.9 | 81.2 | 80.6 | 79.9 | 79.4 | 79.0 | 78.7 | 78.3 | 77.9 |
| 105° | 106.9 | 106.9 | 106.0 | 105.1 | 104.2 | 103.3 | 102.8 | 102.6 | 102.4 | 102.2 | 102.0 |
| 107.5° | 132.4 | 132.1 | 131.7 | 131.3 | 131.0 | 130.6 | 130.4 | 130.2 | 130.1 | 130.0 | 129.9 |
| 110° | 149.5 | 149.1 | 148.9 | 148.7 | 148.5 | 148.3 | 148.1 | 147.9 | 147.7 | 147.5 | 147.3 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 166.6 | 166.1 | 166.1 | 166.1 | 166.0 | 166.0 | 165.9 | 165.8 | 165.7 | 165.5 | 165.4 |
| 115° | 193.2 | 193.1 | 193.3 | 193.5 | 193.7 | 193.9 | 193.8 | 193.5 | 193.2 | 192.9 | 192.6 |
| 117.5° | 219.7 | 219.7 | 220.0 | 220.2 | 220.5 | 220.7 | 220.8 | 220.6 | 220.4 | 220.2 | 220.0 |
| 120° | 237.4 | 237.5 | 238.0 | 238.5 | 239.0 | 239.5 | 239.4 | 238.8 | 238.2 | 237.6 | 237.0 |
| 122.5° | 255.3 | 255.6 | 255.9 | 256.1 | 256.4 | 256.6 | 256.5 | 256.1 | 255.7 | 255.2 | 254.8 |
| 125° | 281.9 | 282.3 | 282.5 | 282.7 | 282.9 | 283.1 | 283.1 | 282.8 | 282.5 | 282.2 | 281.9 |
| 127.5° | 308.2 | 308.8 | 309.0 | 309.2 | 309.5 | 309.7 | 309.5 | 308.8 | 308.2 | 307.5 | 306.9 |
| 130° | 325.4 | 325.8 | 326.1 | 326.4 | 326.7 | 327.0 | 326.8 | 326.0 | 325.2 | 324.4 | 323.6 |
| 132.5° | 342.4 | 342.9 | 343.1 | 343.3 | 343.5 | 343.8 | 343.5 | 342.7 | 341.9 | 341.0 | 340.2 |
| 135° | 367.6 | 368.0 | 368.1 | 368.2 | 368.3 | 368.4 | 368.1 | 367.5 | 366.9 | 366.3 | 365.7 |
| 137.5° | 392.3 | 392.7 | 392.5 | 392.2 | 391.9 | 391.7 | 391.3 | 390.8 | 390.3 | 389.8 | 389.3 |
| 140° | 408.2 | 408.3 | 408.2 | 408.1 | 408.0 | 407.9 | 407.6 | 407.1 | 406.6 | 406.1 | 405.6 |
| 142.5° | 423.4 | 423.5 | 423.4 | 423.2 | 423.0 | 422.8 | 422.5 | 422.0 | 421.5 | 421.0 | 420.5 |
| 145° | 445.8 | 445.9 | 445.6 | 445.3 | 445.0 | 444.7 | 444.5 | 444.3 | 444.1 | 443.9 | 443.7 |
| 147.5° | 466.9 | 466.9 | 466.6 | 466.3 | 466.0 | 465.7 | 465.4 | 465.0 | 464.7 | 464.3 | 464.0 |
| 150° | 479.9 | 479.9 | 479.7 | 479.5 | 479.3 | 479.1 | 478.9 | 478.7 | 478.5 | 478.3 | 478.1 |
| 152.5° | 491.7 | 491.5 | 491.4 | 491.3 | 491.1 | 491.0 | 490.8 | 490.5 | 490.3 | 490.0 | 489.7 |
| 155° | 508.9 | 508.5 | 508.4 | 508.3 | 508.2 | 508.1 | 508.0 | 508.0 | 508.0 | 508.0 | 508.0 |
| 157.5° | 523.8 | 523.4 | 523.3 | 523.3 | 523.2 | 523.1 | 523.1 | 523.2 | 523.4 | 523.5 | 523.6 |
| 160° | 533.0 | 532.5 | 532.5 | 532.5 | 532.5 | 532.5 | 532.6 | 532.8 | 533.0 | 533.2 | 533.4 |
| 162.5° | 541.7 | 541.2 | 541.1 | 541.0 | 540.9 | 540.9 | 541.0 | 541.2 | 541.5 | 541.8 | 542.1 |
| 165° | 552.6 | 552.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.1 | 552.4 | 552.7 | 553.0 | 553.3 |
| 167.5° | 561.5 | 560.8 | 560.8 | 560.7 | 560.6 | 560.5 | 560.7 | 561.1 | 561.5 | 561.9 | 562.3 |
| 170° | 566.3 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 565.8 | 566.2 | 566.6 | 567.0 | 567.4 |
| 172.5° | 570.2 | 569.5 | 569.5 | 569.5 | 569.5 | 569.5 | 569.7 | 570.2 | 570.6 | 571.0 | 571.4 |
| 175° | 574.3 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.9 | 574.3 | 574.7 | 575.1 | 575.5 |
| 177.5° | 576.3 | 575.8 | 575.8 | 575.8 | 575.8 | 575.8 | 576.0 | 576.3 | 576.6 | 576.9 | 577.3 |
| 180° | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 |
| 2.5° | 483.8 | 484.8 | 487.9 | 490.2 | 492.8 | 494.3 | 495.7 | 496.9 | 498.4 | 498.7 | 504.1 |
| 5° | 486.0 | 490.6 | 498.8 | 504.8 | 512.3 | 520.4 | 526.0 | 528.6 | 535.4 | 540.9 | 552.1 |
| 7.5° | 485.4 | 495.3 | 507.6 | 520.4 | 534.0 | 546.7 | 557.7 | 570.8 | 580.0 | 594.0 | 607.7 |
| 10° | 484.8 | 498.1 | 513.9 | 530.2 | 549.3 | 567.0 | 582.9 | 600.6 | 615.3 | 634.6 | 651.1 |
| 12.5° | 483.1 | 499.2 | 521.2 | 540.5 | 563.7 | 588.1 | 611.6 | 634.3 | 647.3 | 679.5 | 694.7 |
| 15° | 479.0 | 498.1 | 525.6 | 554.9 | 586.8 | 615.7 | 645.5 | 669.3 | 707.7 | 735.9 | 753.9 |
| 17.5° | 471.1 | 497.8 | 530.4 | 565.8 | 604.6 | 642.7 | 676.5 | 712.5 | 753.3 | 787.4 | 823.8 |
| 20° | 467.3 | 496.7 | 533.0 | 572.2 | 612.5 | 655.6 | 694.0 | 737.3 | 781.8 | 815.4 | 862.0 |
| 22.5° | 460.4 | 493.7 | 532.8 | 576.4 | 619.5 | 664.1 | 709.1 | 752.8 | 804.2 | 850.4 | 894.8 |
| 25° | 449.2 | 486.4 | 527.0 | 575.7 | 626.2 | 670.9 | 724.8 | 782.8 | 836.3 | 895.8 | 940.0 |
| 27.5° | 437.3 | 477.1 | 517.7 | 563.0 | 617.4 | 670.5 | 738.2 | 803.7 | 869.2 | 920.5 | 953.3 |
| 30° | 428.2 | 466.9 | 508.8 | 554.5 | 608.3 | 671.4 | 747.1 | 818.6 | 882.5 | 926.5 | 944.9 |
| 32.5° | 418.3 | 457.5 | 494.6 | 542.5 | 599.9 | 670.8 | 752.7 | 827.4 | 883.2 | 912.5 | 908.9 |
| 35° | 402.8 | 435.6 | 471.8 | 517.9 | 585.4 | 666.7 | 756.0 | 828.2 | 862.4 | 856.1 | 808.6 |
| 37.5° | 380.4 | 408.1 | 443.6 | 494.1 | 568.7 | 658.1 | 749.4 | 803.6 | 801.4 | 750.2 | 681.3 |
| 40° | 366.5 | 390.0 | 424.2 | 477.3 | 555.6 | 652.5 | 739.2 | 774.4 | 744.6 | 673.0 | 590.6 |
| 42.5° | 348.2 | 369.9 | 404.1 | 458.7 | 541.3 | 641.2 | 719.6 | 729.8 | 671.5 | 589.2 | 513.6 |
| 45° | 319.9 | 339.0 | 374.4 | 430.8 | 519.7 | 616.4 | 671.9 | 646.9 | 568.4 | 483.4 | 425.9 |
| 47.5° | 289.4 | 309.3 | 343.3 | 401.3 | 488.6 | 579.2 | 605.6 | 552.6 | 472.0 | 403.0 | 350.2 |
| 50° | 270.2 | 289.3 | 322.7 | 381.1 | 467.6 | 548.6 | 559.6 | 491.1 | 417.0 | 356.4 | 313.1 |
| 52.5° | 250.9 | 268.8 | 301.6 | 360.3 | 443.0 | 513.2 | 506.5 | 436.7 | 368.6 | 316.9 | 282.9 |
| 55° | 222.0 | 239.0 | 270.2 | 325.2 | 400.5 | 456.1 | 431.7 | 365.1 | 308.7 | 268.6 | 242.7 |
| 57.5° | 196.2 | 212.5 | 239.4 | 289.1 | 354.5 | 392.8 | 361.7 | 305.5 | 260.7 | 229.8 | 210.6 |
| 60° | 178.7 | 193.1 | 218.8 | 264.9 | 321.7 | 350.8 | 320.1 | 270.5 | 232.7 | 208.0 | 190.8 |
| 62.5° | 162.1 | 174.7 | 198.4 | 240.3 | 289.7 | 314.1 | 283.0 | 241.0 | 208.9 | 187.0 | 172.3 |
| 65° | 137.0 | 148.4 | 169.4 | 202.0 | 242.5 | 258.8 | 232.0 | 198.0 | 173.1 | 156.8 | 147.0 |
| 67.5° | 114.1 | 123.8 | 141.9 | 167.5 | 197.4 | 209.2 | 188.8 | 162.5 | 143.7 | 130.6 | 122.9 |
| 70° | 98.8 | 107.2 | 121.4 | 143.5 | 170.5 | 179.6 | 160.5 | 138.8 | 125.1 | 114.6 | 107.4 |
| 72.5° | 85.9 | 92.1 | 105.0 | 122.1 | 144.6 | 151.8 | 138.5 | 119.5 | 106.7 | 98.8 | 93.0 |
| 75° | 65.5 | 70.6 | 79.0 | 92.7 | 108.3 | 112.5 | 102.5 | 90.6 | 82.0 | 76.4 | 72.0 |
| 77.5° | 47.2 | 51.0 | 57.0 | 65.5 | 76.3 | 80.1 | 73.8 | 65.8 | 59.5 | 55.8 | 53.3 |
| 80° | 35.6 | 38.7 | 43.8 | 50.8 | 57.3 | 59.4 | 55.7 | 49.6 | 45.2 | 43.1 | 41.0 |
| 82.5° | 26.3 | 28.0 | 31.1 | 35.9 | 40.3 | 42.8 | 39.7 | 36.0 | 33.6 | 31.7 | 30.9 |
| 85° | 13.3 | 14.2 | 15.6 | 17.5 | 20.3 | 21.2 | 20.0 | 19.1 | 17.7 | 16.5 | 16.5 |
| 87.5° | 5.1 | 5.3 | 6.1 | 6.7 | 7.7 | 8.5 | 8.5 | 8.4 | 8.5 | 8.4 | 8.3 |
| 90° | 1.5 | 2.5 | 3.5 | 4.5 | 5.6 | 6.9 | 8.3 | 9.6 | 10.9 | 11.3 | 11.7 |
| 92.5° | 11.7 | 12.3 | 13.0 | 13.7 | 14.4 | 15.2 | 15.9 | 16.7 | 17.4 | 17.7 | 18.0 |
| 95° | 27.4 | 28.1 | 28.9 | 29.6 | 30.3 | 31.1 | 31.9 | 32.7 | 33.5 | 33.9 | 34.3 |
| 97.5° | 48.0 | 48.5 | 49.1 | 49.6 | 50.1 | 50.7 | 51.3 | 51.9 | 52.5 | 52.9 | 53.4 |
| 100° | 62.2 | 62.8 | 63.4 | 64.0 | 64.6 | 65.1 | 65.6 | 66.1 | 66.6 | 66.9 | 67.2 |
| 102.5° | 78.3 | 78.7 | 79.0 | 79.4 | 79.9 | 80.6 | 81.2 | 81.9 | 82.6 | 82.9 | 83.2 |
| 105° | 102.2 | 102.4 | 102.6 | 102.8 | 103.3 | 104.2 | 105.1 | 106.0 | 106.9 | 106.9 | 106.9 |
| 107.5° | 130.0 | 130.1 | 130.2 | 130.4 | 130.6 | 131.0 | 131.3 | 131.7 | 132.1 | 132.4 | 132.7 |
| 110° | 147.5 | 147.7 | 147.9 | 148.1 | 148.3 | 148.5 | 148.7 | 148.9 | 149.1 | 149.5 | 149.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 165.5 | 165.7 | 165.8 | 165.9 | 166.0 | 166.0 | 166.1 | 166.1 | 166.1 | 166.6 | 167.1 |
| 115° | 192.9 | 193.2 | 193.5 | 193.8 | 193.9 | 193.7 | 193.5 | 193.3 | 193.1 | 193.2 | 193.3 |
| 117.5° | 220.2 | 220.4 | 220.6 | 220.8 | 220.7 | 220.5 | 220.2 | 220.0 | 219.7 | 219.7 | 219.7 |
| 120° | 237.6 | 238.2 | 238.8 | 239.4 | 239.5 | 239.0 | 238.5 | 238.0 | 237.5 | 237.4 | 237.3 |
| 122.5° | 255.2 | 255.7 | 256.1 | 256.5 | 256.6 | 256.4 | 256.1 | 255.9 | 255.6 | 255.3 | 255.1 |
| 125° | 282.2 | 282.5 | 282.8 | 283.1 | 283.1 | 282.9 | 282.7 | 282.5 | 282.3 | 281.9 | 281.5 |
| 127.5° | 307.5 | 308.2 | 308.8 | 309.5 | 309.7 | 309.5 | 309.2 | 309.0 | 308.8 | 308.2 | 307.7 |
| 130° | 324.4 | 325.2 | 326.0 | 326.8 | 327.0 | 326.7 | 326.4 | 326.1 | 325.8 | 325.4 | 325.0 |
| 132.5° | 341.0 | 341.9 | 342.7 | 343.5 | 343.8 | 343.5 | 343.3 | 343.1 | 342.9 | 342.4 | 341.9 |
| 135° | 366.3 | 366.9 | 367.5 | 368.1 | 368.4 | 368.3 | 368.2 | 368.1 | 368.0 | 367.6 | 367.2 |
| 137.5° | 389.8 | 390.3 | 390.8 | 391.3 | 391.7 | 391.9 | 392.2 | 392.5 | 392.7 | 392.3 | 391.9 |
| 140° | 406.1 | 406.6 | 407.1 | 407.6 | 407.9 | 408.0 | 408.1 | 408.2 | 408.3 | 408.2 | 408.1 |
| 142.5° | 421.0 | 421.5 | 422.0 | 422.5 | 422.8 | 423.0 | 423.2 | 423.4 | 423.5 | 423.4 | 423.3 |
| 145° | 443.9 | 444.1 | 444.3 | 444.5 | 444.7 | 445.0 | 445.3 | 445.6 | 445.9 | 445.8 | 445.7 |
| 147.5° | 464.3 | 464.7 | 465.0 | 465.4 | 465.7 | 466.0 | 466.3 | 466.6 | 466.9 | 466.9 | 466.9 |
| 150° | 478.3 | 478.5 | 478.7 | 478.9 | 479.1 | 479.3 | 479.5 | 479.7 | 479.9 | 479.9 | 479.9 |
| 152.5° | 490.0 | 490.3 | 490.5 | 490.8 | 491.0 | 491.1 | 491.3 | 491.4 | 491.5 | 491.7 | 491.8 |
| 155° | 508.0 | 508.0 | 508.0 | 508.0 | 508.1 | 508.2 | 508.3 | 508.4 | 508.5 | 508.9 | 509.3 |
| 157.5° | 523.5 | 523.4 | 523.2 | 523.1 | 523.1 | 523.2 | 523.3 | 523.3 | 523.4 | 523.8 | 524.3 |
| 160° | 533.2 | 533.0 | 532.8 | 532.6 | 532.5 | 532.5 | 532.5 | 532.5 | 532.5 | 533.0 | 533.5 |
| 162.5° | 541.8 | 541.5 | 541.2 | 541.0 | 540.9 | 540.9 | 541.0 | 541.1 | 541.2 | 541.7 | 542.2 |
| 165° | 553.0 | 552.7 | 552.4 | 552.1 | 552.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.6 | 553.2 |
| 167.5° | 561.9 | 561.5 | 561.1 | 560.7 | 560.5 | 560.6 | 560.7 | 560.8 | 560.8 | 561.5 | 562.1 |
| 170° | 567.0 | 566.6 | 566.2 | 565.8 | 565.6 | 565.6 | 565.6 | 565.6 | 565.6 | 566.3 | 567.0 |
| 172.5° | 571.0 | 570.6 | 570.2 | 569.7 | 569.5 | 569.5 | 569.5 | 569.5 | 569.5 | 570.2 | 570.8 |
| 175° | 575.1 | 574.7 | 574.3 | 573.9 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 574.3 | 574.9 |
| 177.5° | 576.9 | 576.6 | 576.3 | 576.0 | 575.8 | 575.8 | 575.8 | 575.8 | 575.8 | 576.3 | 576.8 |
| 180° | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 | 480.8 |
| 2.5° | 506.0 | 506.2 | 508.2 | 509.7 | 509.0 | 509.9 | 510.3 |
| 5° | 552.8 | 561.2 | 565.6 | 568.9 | 569.1 | 569.4 | 571.2 |
| 7.5° | 619.2 | 628.2 | 634.8 | 644.8 | 647.7 | 651.1 | 650.2 |
| 10° | 667.7 | 681.0 | 692.4 | 698.4 | 705.0 | 714.5 | 706.8 |
| 12.5° | 713.0 | 736.5 | 753.9 | 763.3 | 769.4 | 771.3 | 767.6 |
| 15° | 787.7 | 818.4 | 834.9 | 834.5 | 855.4 | 864.5 | 850.3 |
| 17.5° | 856.1 | 884.5 | 907.3 | 918.9 | 936.4 | 940.2 | 938.5 |
| 20° | 898.1 | 929.1 | 946.8 | 966.8 | 975.9 | 984.0 | 985.4 |
| 22.5° | 934.2 | 962.1 | 981.1 | 997.7 | 1005.3 | 1009.2 | 1011.5 |
| 25° | 971.5 | 993.4 | 1004.8 | 1010.6 | 1012.7 | 1012.2 | 1009.2 |
| 27.5° | 968.9 | 970.6 | 958.0 | 945.7 | 934.6 | 922.2 | 917.9 |
| 30° | 943.7 | 924.2 | 889.2 | 869.4 | 840.3 | 817.2 | 826.6 |
| 32.5° | 877.6 | 838.6 | 799.4 | 756.1 | 720.3 | 710.1 | 699.8 |
| 35° | 749.0 | 680.5 | 640.4 | 593.8 | 575.2 | 556.6 | 543.7 |
| 37.5° | 605.9 | 553.0 | 505.4 | 475.0 | 456.3 | 444.5 | 438.2 |
| 40° | 523.9 | 476.2 | 437.0 | 412.3 | 398.1 | 384.9 | 383.0 |
| 42.5° | 458.5 | 414.1 | 384.7 | 365.0 | 351.4 | 345.7 | 341.6 |
| 45° | 375.5 | 344.6 | 324.8 | 310.8 | 301.7 | 298.2 | 293.5 |
| 47.5° | 317.9 | 296.0 | 281.1 | 271.6 | 264.7 | 262.1 | 261.8 |
| 50° | 285.6 | 267.4 | 256.5 | 249.0 | 243.7 | 242.7 | 239.0 |
| 52.5° | 261.4 | 245.6 | 237.1 | 230.6 | 226.7 | 224.1 | 223.0 |
| 55° | 226.9 | 216.4 | 208.7 | 205.0 | 202.0 | 199.4 | 199.4 |
| 57.5° | 198.5 | 189.8 | 184.7 | 181.5 | 180.6 | 178.8 | 177.6 |
| 60° | 181.0 | 173.6 | 169.6 | 166.8 | 164.9 | 165.2 | 163.1 |
| 62.5° | 163.9 | 159.0 | 155.2 | 152.5 | 150.2 | 150.3 | 150.4 |
| 65° | 139.5 | 135.8 | 133.0 | 132.1 | 130.7 | 129.1 | 129.5 |
| 67.5° | 118.3 | 114.8 | 112.6 | 111.0 | 110.5 | 109.6 | 111.0 |
| 70° | 103.0 | 100.4 | 98.8 | 97.4 | 96.9 | 97.1 | 98.3 |
| 72.5° | 89.0 | 87.2 | 86.1 | 85.5 | 84.4 | 84.5 | 85.3 |
| 75° | 69.9 | 68.5 | 67.6 | 66.9 | 66.6 | 66.6 | 66.6 |
| 77.5° | 51.3 | 51.0 | 50.6 | 49.6 | 49.6 | 49.9 | 49.9 |
| 80° | 40.5 | 39.8 | 39.6 | 39.1 | 38.4 | 38.0 | 39.1 |
| 82.5° | 30.3 | 29.6 | 29.4 | 29.3 | 28.2 | 28.1 | 29.1 |
| 85° | 16.3 | 15.6 | 15.8 | 15.6 | 15.6 | 15.4 | 15.4 |
| 87.5° | 8.2 | 8.1 | 8.0 | 8.2 | 8.0 | 7.9 | 8.3 |
| 90° | 12.1 | 12.5 | 12.8 | 13.0 | 13.2 | 13.4 | 13.6 |
| 92.5° | 18.4 | 18.7 | 18.8 | 18.7 | 18.5 | 18.4 | 18.3 |
| 95° | 34.7 | 35.1 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| 97.5° | 53.9 | 54.3 | 54.5 | 54.5 | 54.5 | 54.4 | 54.4 |
| 100° | 67.5 | 67.8 | 68.1 | 68.3 | 68.5 | 68.7 | 68.9 |
| 102.5° | 83.5 | 83.8 | 83.9 | 83.9 | 83.8 | 83.8 | 83.7 |
| 105° | 106.9 | 106.9 | 107.0 | 107.3 | 107.5 | 107.7 | 107.9 |
| 107.5° | 133.0 | 133.3 | 133.4 | 133.3 | 133.2 | 133.1 | 133.0 |
| 110° | 150.3 | 150.7 | 150.8 | 150.6 | 150.4 | 150.2 | 150.0 |



TEST NUMBER: P332091

CATALOG NUMBER: S123DIW-S340D460U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 167.6 | 168.1 | 168.3 | 168.2 | 168.2 | 168.2 | 168.1 |
| 115° | 193.4 | 193.5 | 193.5 | 193.4 | 193.3 | 193.2 | 193.1 |
| 117.5° | 219.6 | 219.6 | 219.5 | 219.2 | 218.9 | 218.6 | 218.3 |
| 120° | 237.2 | 237.1 | 236.9 | 236.7 | 236.5 | 236.3 | 236.1 |
| 122.5° | 254.8 | 254.5 | 254.3 | 254.0 | 253.7 | 253.4 | 253.1 |
| 125° | 281.1 | 280.7 | 280.3 | 279.9 | 279.5 | 279.1 | 278.7 |
| 127.5° | 307.1 | 306.5 | 306.0 | 305.6 | 305.1 | 304.6 | 304.2 |
| 130° | 324.6 | 324.2 | 323.7 | 323.0 | 322.3 | 321.6 | 320.8 |
| 132.5° | 341.4 | 340.9 | 340.4 | 339.9 | 339.3 | 338.8 | 338.2 |
| 135° | 366.8 | 366.4 | 366.1 | 365.9 | 365.7 | 365.5 | 365.3 |
| 137.5° | 391.5 | 391.0 | 390.6 | 390.2 | 389.9 | 389.5 | 389.1 |
| 140° | 408.0 | 407.9 | 407.5 | 406.8 | 406.1 | 405.4 | 404.7 |
| 142.5° | 423.2 | 423.1 | 422.8 | 422.3 | 421.7 | 421.2 | 420.6 |
| 145° | 445.6 | 445.5 | 445.3 | 444.9 | 444.5 | 444.1 | 443.7 |
| 147.5° | 466.9 | 466.9 | 466.6 | 466.0 | 465.3 | 464.7 | 464.1 |
| 150° | 479.9 | 479.9 | 479.6 | 479.0 | 478.4 | 477.8 | 477.2 |
| 152.5° | 492.0 | 492.2 | 492.0 | 491.5 | 490.9 | 490.4 | 489.9 |
| 155° | 509.7 | 510.1 | 509.9 | 509.2 | 508.5 | 507.8 | 507.1 |
| 157.5° | 524.7 | 525.1 | 525.0 | 524.5 | 523.9 | 523.3 | 522.8 |
| 160° | 534.0 | 534.5 | 534.5 | 534.1 | 533.7 | 533.3 | 532.9 |
| 162.5° | 542.7 | 543.2 | 543.1 | 542.5 | 541.8 | 541.2 | 540.5 |
| 165° | 553.8 | 554.4 | 554.3 | 553.6 | 552.9 | 552.2 | 551.5 |
| 167.5° | 562.7 | 563.3 | 563.3 | 562.7 | 562.1 | 561.5 | 560.8 |
| 170° | 567.7 | 568.4 | 568.4 | 567.7 | 567.0 | 566.3 | 565.6 |
| 172.5° | 571.4 | 572.0 | 572.0 | 571.3 | 570.6 | 569.9 | 569.2 |
| 175° | 575.5 | 576.1 | 576.1 | 575.4 | 574.7 | 574.0 | 573.3 |
| 177.5° | 577.3 | 577.7 | 577.7 | 577.1 | 576.6 | 576.0 | 575.4 |
| 180° | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 | 576.9 |

(END OF REPORT)