

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: P332411-927

Luminaire Tested: **S123RDIW-S560D460U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332411-927  
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: S123RDIW-S560D460U927-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 460 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

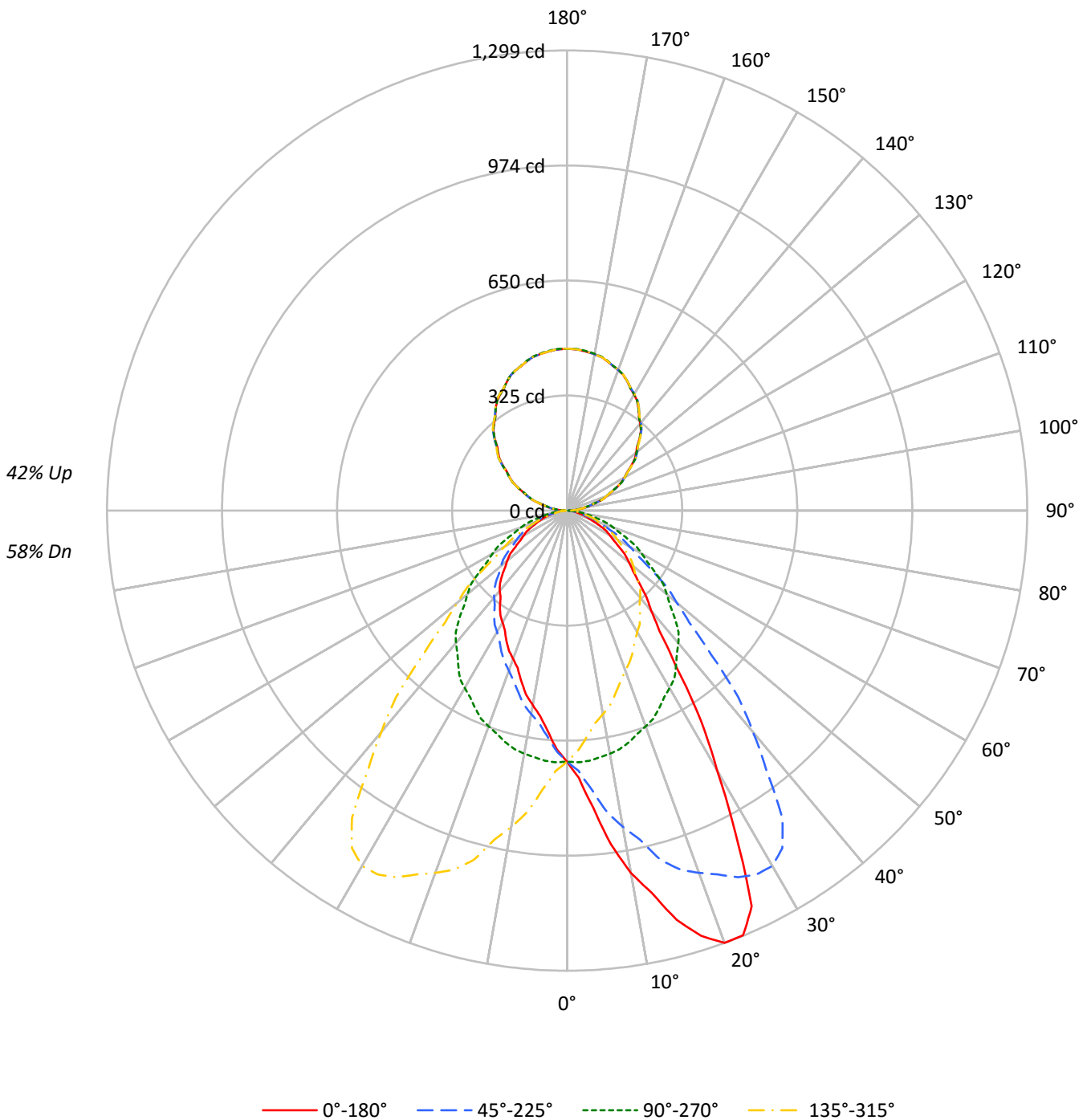
Lumens per Lamp: N/A  
Luminaire Lumens: 3032.3 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 30.2  
Input Voltage (V): 120  
Input Current (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



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### Luminous Intensity Polar Plot





TEST NUMBER: P332411-927

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**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   | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 75 | 75 | 75 | 64 | 64 | 64 | 58 |
| 1   | 100 | 96  | 93  | 89  | 93  | 90  | 87  | 84  | 78 | 76 | 74 | 67 | 66 | 64 | 57 | 56 | 55 | 50 |
| 2   | 92  | 85  | 79  | 74  | 86  | 79  | 74  | 70  | 69 | 65 | 62 | 60 | 57 | 55 | 51 | 49 | 47 | 43 |
| 3   | 84  | 75  | 68  | 62  | 78  | 70  | 64  | 59  | 62 | 57 | 53 | 54 | 50 | 47 | 46 | 43 | 41 | 37 |
| 4   | 77  | 67  | 59  | 53  | 72  | 63  | 56  | 51  | 55 | 50 | 46 | 48 | 44 | 41 | 42 | 39 | 36 | 33 |
| 5   | 71  | 60  | 52  | 46  | 66  | 57  | 49  | 44  | 50 | 44 | 40 | 44 | 39 | 36 | 38 | 34 | 32 | 29 |
| 6   | 66  | 54  | 46  | 41  | 61  | 51  | 44  | 39  | 45 | 39 | 35 | 40 | 35 | 32 | 35 | 31 | 28 | 26 |
| 7   | 61  | 49  | 41  | 36  | 57  | 46  | 39  | 34  | 41 | 35 | 31 | 36 | 32 | 28 | 32 | 28 | 25 | 23 |
| 8   | 57  | 45  | 37  | 32  | 53  | 42  | 35  | 31  | 38 | 32 | 28 | 33 | 29 | 25 | 29 | 26 | 23 | 21 |
| 9   | 53  | 41  | 34  | 29  | 50  | 39  | 32  | 28  | 35 | 29 | 25 | 31 | 26 | 23 | 27 | 23 | 21 | 19 |
| 10  | 50  | 38  | 31  | 26  | 46  | 36  | 29  | 25  | 32 | 27 | 23 | 28 | 24 | 21 | 25 | 22 | 19 | 17 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 7629  | 7629 | 7629 | 7629 |
| 5°  | 9095  | 7662 | 6748 | 7662 |
| 10° | 11355 | 7618 | 6096 | 7618 |
| 15° | 13329 | 7540 | 5558 | 7540 |
| 20° | 14875 | 7424 | 5102 | 7424 |
| 25° | 14638 | 7301 | 4822 | 7301 |
| 30° | 10521 | 7188 | 4533 | 7188 |
| 35° | 7025  | 7041 | 4346 | 7041 |
| 40° | 5176  | 6864 | 4154 | 6864 |
| 45° | 4341  | 6555 | 3962 | 6555 |
| 50° | 3831  | 6149 | 3699 | 6149 |
| 55° | 3359  | 5684 | 3337 | 5684 |
| 60° | 2990  | 5240 | 3057 | 5240 |
| 65° | 2626  | 4760 | 2845 | 4760 |
| 70° | 2061  | 4337 | 2596 | 4337 |
| 75° | 1817  | 3785 | 2371 | 3785 |
| 80° | 1581  | 3217 | 2331 | 3217 |
| 85° | 1272  | 2581 | 2470 | 2581 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.7   | 2.3       |
| 10°-20°   | 217.8  | 7.2       |
| 20°-30°   | 342.1  | 11.3      |
| 30°-40°   | 356.9  | 11.8      |
| 40°-50°   | 305.5  | 10.1      |
| 50°-60°   | 232.8  | 7.7       |
| 60°-70°   | 149.2  | 4.9       |
| 70°-80°   | 71.8   | 2.4       |
| 80°-90°   | 20.3   | 0.7       |
| 90°-100°  | 29.8   | 1.0       |
| 100°-110° | 89.1   | 2.9       |
| 110°-120° | 151.6  | 5.0       |
| 120°-130° | 199.4  | 6.6       |
| 130°-140° | 224.1  | 7.4       |
| 140°-150° | 220.3  | 7.3       |
| 150°-160° | 185.4  | 6.1       |
| 160°-170° | 123.4  | 4.1       |
| 170°-180° | 43.2   | 1.4       |
| 0°-30°    | 629.6  | 20.8      |
| 0°-40°    | 986.5  | 32.5      |
| 0°-60°    | 1524.8 | 50.3      |
| 0°-90°    | 1766.1 | 58.2      |
| 90°-120°  | 270.4  | 8.9       |
| 90°-150°  | 914.1  | 30.1      |
| 90°-180°  | 1266.0 | 41.8      |
| 0°-180°   | 3032.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0°   | 709  | 709 | 709  | 709  | 709  |      |
| 5°   | 842  | 709 | 624  | 709  | 842  | 87   |
| 15°  | 1196 | 677 | 499  | 677  | 1196 | 339  |
| 25°  | 1232 | 615 | 406  | 615  | 1232 | 530  |
| 35°  | 535  | 536 | 331  | 536  | 535  | 351  |
| 45°  | 285  | 431 | 260  | 431  | 285  | 224  |
| 55°  | 179  | 303 | 178  | 303  | 179  | 162  |
| 65°  | 103  | 187 | 112  | 187  | 103  | 101  |
| 75°  | 44   | 91  | 57   | 91   | 44   | 47   |
| 85°  | 10   | 21  | 20   | 21   | 10   | 12   |
| 90°  | 11   | 0   | 11   | 0    | 11   | 6    |
| 95°  | 28   | 21  | 28   | 21   | 28   | 29   |
| 105° | 86   | 81  | 86   | 81   | 86   | 91   |
| 115° | 153  | 153 | 153  | 153  | 153  | 151  |
| 125° | 221  | 223 | 221  | 223  | 221  | 197  |
| 135° | 289  | 290 | 289  | 290  | 289  | 222  |
| 145° | 352  | 352 | 352  | 352  | 352  | 219  |
| 155° | 402  | 402 | 402  | 402  | 402  | 185  |
| 165° | 437  | 438 | 437  | 438  | 437  | 123  |
| 175° | 454  | 456 | 454  | 456  | 454  | 43   |
| 180° | 457  | 457 | 457  | 457  | 457  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  |
| 2.5°   | 754.9  | 755.9  | 752.7  | 752.3  | 748.6  | 747.7  | 747.7  | 742.5  | 739.3  | 735.2  | 732.8  |
| 5°     | 841.7  | 846.5  | 844.1  | 838.7  | 829.6  | 827.4  | 821.7  | 812.5  | 802.2  | 789.5  | 783.5  |
| 7.5°   | 950.1  | 956.7  | 954.1  | 945.7  | 936.2  | 928.4  | 912.2  | 897.1  | 875.9  | 857.4  | 841.5  |
| 10°    | 1038.9 | 1031.9 | 1026.5 | 1018.3 | 1009.5 | 995.2  | 978.3  | 954.9  | 927.9  | 906.7  | 883.0  |
| 12.5°  | 1105.4 | 1104.3 | 1097.3 | 1088.9 | 1076.5 | 1063.0 | 1042.0 | 1013.6 | 982.2  | 951.5  | 924.5  |
| 15°    | 1196.1 | 1197.9 | 1193.3 | 1184.6 | 1167.0 | 1143.0 | 1111.4 | 1099.6 | 1054.7 | 1021.3 | 987.9  |
| 17.5°  | 1258.9 | 1258.5 | 1257.8 | 1245.6 | 1227.7 | 1210.6 | 1181.4 | 1150.2 | 1109.6 | 1062.6 | 1017.6 |
| 20°    | 1298.6 | 1295.6 | 1296.2 | 1282.5 | 1269.2 | 1249.5 | 1221.0 | 1175.8 | 1142.4 | 1088.1 | 1041.6 |
| 22.5°  | 1297.7 | 1297.0 | 1299.3 | 1294.7 | 1285.0 | 1269.9 | 1247.4 | 1209.3 | 1166.6 | 1111.8 | 1059.6 |
| 25°    | 1232.5 | 1230.1 | 1244.4 | 1248.2 | 1263.8 | 1266.5 | 1259.8 | 1238.9 | 1198.5 | 1142.1 | 1077.4 |
| 27.5°  | 1031.5 | 1030.2 | 1056.6 | 1089.7 | 1131.8 | 1164.4 | 1196.0 | 1211.2 | 1198.5 | 1158.1 | 1093.4 |
| 30°    | 846.5  | 875.0  | 888.4  | 936.4  | 989.8  | 1053.4 | 1109.3 | 1162.4 | 1175.4 | 1157.9 | 1104.8 |
| 32.5°  | 702.8  | 727.7  | 738.9  | 780.1  | 829.8  | 904.4  | 988.2  | 1063.3 | 1116.5 | 1130.0 | 1098.0 |
| 35°    | 534.6  | 535.0  | 560.4  | 578.6  | 624.7  | 701.5  | 782.8  | 883.5  | 983.7  | 1059.5 | 1067.5 |
| 37.5°  | 426.6  | 428.1  | 443.5  | 461.7  | 496.3  | 536.9  | 608.5  | 692.2  | 807.9  | 924.3  | 992.6  |
| 40°    | 368.4  | 371.1  | 382.6  | 400.5  | 425.4  | 456.1  | 511.9  | 590.7  | 687.2  | 816.8  | 922.7  |
| 42.5°  | 331.0  | 335.4  | 341.4  | 355.1  | 370.5  | 399.3  | 444.4  | 505.3  | 593.0  | 715.6  | 837.7  |
| 45°    | 285.2  | 287.6  | 292.2  | 298.6  | 312.5  | 332.6  | 362.9  | 403.9  | 476.7  | 575.3  | 697.6  |
| 47.5°  | 251.6  | 250.3  | 255.1  | 260.3  | 269.6  | 283.2  | 303.6  | 337.0  | 389.0  | 468.0  | 571.8  |
| 50°    | 228.8  | 228.5  | 231.8  | 235.8  | 244.5  | 254.6  | 271.2  | 296.4  | 337.7  | 403.2  | 498.2  |
| 52.5°  | 207.4  | 208.6  | 211.0  | 215.9  | 222.2  | 230.3  | 245.3  | 263.4  | 298.9  | 355.5  | 434.6  |
| 55°    | 179.0  | 179.9  | 183.2  | 186.0  | 190.5  | 198.8  | 208.2  | 223.3  | 247.6  | 287.0  | 352.3  |
| 57.5°  | 155.0  | 154.6  | 157.8  | 158.4  | 163.6  | 170.2  | 177.5  | 189.3  | 206.9  | 236.2  | 280.2  |
| 60°    | 138.9  | 138.1  | 140.8  | 142.9  | 145.6  | 151.1  | 157.2  | 168.7  | 182.7  | 204.2  | 241.9  |
| 62.5°  | 124.4  | 124.0  | 126.0  | 128.1  | 130.3  | 135.3  | 140.5  | 149.2  | 160.3  | 178.5  | 208.3  |
| 65°    | 103.1  | 104.1  | 105.0  | 105.9  | 107.1  | 110.1  | 115.0  | 121.0  | 128.7  | 141.4  | 163.0  |
| 67.5°  | 81.0   | 82.0   | 82.3   | 84.1   | 86.7   | 88.6   | 91.7   | 97.0   | 102.3  | 113.0  | 125.3  |
| 70°    | 65.5   | 65.2   | 65.5   | 66.5   | 69.8   | 73.1   | 77.1   | 81.0   | 84.4   | 92.0   | 102.3  |
| 72.5°  | 56.3   | 55.8   | 56.6   | 56.7   | 58.4   | 59.3   | 61.8   | 65.5   | 69.8   | 74.9   | 82.4   |
| 75°    | 43.7   | 43.7   | 43.7   | 43.7   | 44.9   | 45.6   | 46.4   | 47.4   | 48.9   | 51.3   | 56.7   |
| 77.5°  | 32.3   | 32.3   | 32.8   | 33.0   | 33.4   | 33.7   | 34.2   | 35.2   | 35.6   | 37.0   | 39.3   |
| 80°    | 25.5   | 25.8   | 25.5   | 25.8   | 25.8   | 26.4   | 26.7   | 27.6   | 27.9   | 29.5   | 30.3   |
| 82.5°  | 19.2   | 19.0   | 19.2   | 19.5   | 19.5   | 20.1   | 20.1   | 20.8   | 20.9   | 21.6   | 22.6   |
| 85°    | 10.3   | 9.7    | 10.3   | 10.0   | 10.6   | 10.0   | 10.3   | 10.9   | 10.9   | 11.2   | 12.4   |
| 87.5°  | 4.6    | 5.1    | 4.5    | 4.8    | 4.7    | 4.9    | 4.8    | 4.8    | 5.1    | 4.9    | 4.9    |
| 90°    | 10.8   | 10.6   | 10.5   | 10.3   | 10.1   | 9.9    | 9.6    | 9.3    | 9.0    | 8.6    | 7.6    |
| 92.5°  | 14.5   | 14.6   | 14.7   | 14.8   | 14.9   | 14.8   | 14.6   | 14.3   | 14.0   | 13.8   | 13.2   |
| 95°    | 28.0   | 28.0   | 28.0   | 28.0   | 28.0   | 27.8   | 27.5   | 27.2   | 26.9   | 26.5   | 25.9   |
| 97.5°  | 43.1   | 43.1   | 43.2   | 43.2   | 43.2   | 43.0   | 42.7   | 42.3   | 41.9   | 41.6   | 41.1   |
| 100°   | 54.6   | 54.4   | 54.3   | 54.1   | 53.9   | 53.7   | 53.5   | 53.2   | 53.0   | 52.8   | 52.4   |
| 102.5° | 66.3   | 66.4   | 66.4   | 66.5   | 66.5   | 66.4   | 66.1   | 65.9   | 65.7   | 65.4   | 64.9   |
| 105°   | 85.5   | 85.3   | 85.2   | 85.0   | 84.8   | 84.7   | 84.7   | 84.7   | 84.7   | 84.7   | 84.0   |
| 107.5° | 105.4  | 105.4  | 105.5  | 105.6  | 105.7  | 105.6  | 105.4  | 105.1  | 104.9  | 104.6  | 104.3  |
| 110°   | 118.8  | 119.0  | 119.1  | 119.3  | 119.5  | 119.4  | 119.1  | 118.7  | 118.4  | 118.1  | 118.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 133.2 | 133.2 | 133.2 | 133.2 | 133.3 | 133.2 | 132.8 | 132.4 | 132.0 | 131.6 | 131.6 |
| 115°   | 153.0 | 153.0 | 153.1 | 153.2 | 153.3 | 153.3 | 153.2 | 153.1 | 153.0 | 153.0 | 153.1 |
| 117.5° | 172.9 | 173.2 | 173.4 | 173.6 | 173.9 | 174.0 | 174.0 | 174.0 | 174.0 | 174.0 | 174.3 |
| 120°   | 187.0 | 187.2 | 187.4 | 187.5 | 187.7 | 187.8 | 187.9 | 188.0 | 188.1 | 188.1 | 188.5 |
| 122.5° | 200.5 | 200.7 | 201.0 | 201.2 | 201.5 | 201.6 | 201.8 | 202.1 | 202.2 | 202.5 | 202.7 |
| 125°   | 220.8 | 221.1 | 221.4 | 221.7 | 222.0 | 222.4 | 222.7 | 223.0 | 223.3 | 223.6 | 223.8 |
| 127.5° | 241.0 | 241.3 | 241.7 | 242.1 | 242.4 | 242.8 | 243.3 | 243.8 | 244.2 | 244.6 | 244.8 |
| 130°   | 254.1 | 254.8 | 255.3 | 255.9 | 256.4 | 256.8 | 257.1 | 257.5 | 257.8 | 258.1 | 258.3 |
| 132.5° | 267.9 | 268.4 | 268.8 | 269.3 | 269.7 | 270.1 | 270.5 | 270.8 | 271.2 | 271.6 | 271.8 |
| 135°   | 289.4 | 289.5 | 289.7 | 289.9 | 290.0 | 290.3 | 290.6 | 290.9 | 291.2 | 291.5 | 291.6 |
| 137.5° | 308.2 | 308.6 | 308.9 | 309.1 | 309.4 | 309.7 | 310.1 | 310.5 | 310.8 | 311.1 | 310.9 |
| 140°   | 320.6 | 321.2 | 321.7 | 322.3 | 322.8 | 323.1 | 323.2 | 323.3 | 323.4 | 323.4 | 323.4 |
| 142.5° | 333.2 | 333.7 | 334.1 | 334.5 | 334.9 | 335.2 | 335.3 | 335.3 | 335.4 | 335.5 | 335.4 |
| 145°   | 351.5 | 351.8 | 352.1 | 352.4 | 352.8 | 352.9 | 353.0 | 353.1 | 353.2 | 353.2 | 353.0 |
| 147.5° | 367.7 | 368.1 | 368.6 | 369.2 | 369.6 | 369.9 | 369.9 | 369.9 | 369.9 | 369.9 | 369.6 |
| 150°   | 378.0 | 378.5 | 379.0 | 379.5 | 379.9 | 380.2 | 380.2 | 380.2 | 380.2 | 380.2 | 380.0 |
| 152.5° | 388.1 | 388.5 | 388.9 | 389.4 | 389.8 | 389.9 | 389.8 | 389.6 | 389.5 | 389.4 | 389.3 |
| 155°   | 401.7 | 402.3 | 402.8 | 403.4 | 403.9 | 404.1 | 403.8 | 403.5 | 403.1 | 402.8 | 402.7 |
| 157.5° | 414.2 | 414.5 | 415.0 | 415.5 | 415.9 | 416.0 | 415.7 | 415.3 | 414.9 | 414.6 | 414.5 |
| 160°   | 422.2 | 422.5 | 422.8 | 423.1 | 423.4 | 423.4 | 423.0 | 422.6 | 422.2 | 421.8 | 421.8 |
| 162.5° | 428.2 | 428.7 | 429.2 | 429.8 | 430.2 | 430.3 | 429.9 | 429.5 | 429.1 | 428.7 | 428.6 |
| 165°   | 436.9 | 437.4 | 438.0 | 438.6 | 439.1 | 439.2 | 438.7 | 438.2 | 437.8 | 437.3 | 437.3 |
| 167.5° | 444.3 | 444.8 | 445.3 | 445.8 | 446.2 | 446.2 | 445.8 | 445.3 | 444.8 | 444.3 | 444.3 |
| 170°   | 448.1 | 448.6 | 449.2 | 449.7 | 450.3 | 450.3 | 449.7 | 449.2 | 448.6 | 448.1 | 448.1 |
| 172.5° | 450.9 | 451.5 | 452.0 | 452.6 | 453.1 | 453.1 | 452.7 | 452.2 | 451.7 | 451.1 | 451.1 |
| 175°   | 454.2 | 454.7 | 455.3 | 455.8 | 456.4 | 456.4 | 455.9 | 455.4 | 455.0 | 454.5 | 454.5 |
| 177.5° | 455.8 | 456.3 | 456.8 | 457.2 | 457.6 | 457.6 | 457.3 | 456.9 | 456.5 | 456.1 | 456.1 |
| 180°   | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 708.8  | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 |
| 2.5°   | 731.8  | 731.1 | 727.7 | 723.8 | 718.7 | 715.3 | 712.6 | 711.2 | 706.9 | 701.5 | 697.8 |
| 5°     | 777.1  | 767.9 | 758.3 | 746.4 | 735.5 | 724.3 | 717.3 | 709.1 | 699.1 | 687.9 | 679.9 |
| 7.5°   | 825.5  | 807.6 | 788.4 | 768.6 | 748.9 | 731.3 | 715.8 | 702.5 | 686.6 | 670.5 | 659.2 |
| 10°    | 862.6  | 836.5 | 809.5 | 781.9 | 756.7 | 733.1 | 714.9 | 697.0 | 677.9 | 659.3 | 645.4 |
| 12.5°  | 896.4  | 862.1 | 830.9 | 796.9 | 764.8 | 736.5 | 710.3 | 689.2 | 666.2 | 646.5 | 630.6 |
| 15°    | 939.1  | 903.9 | 866.3 | 814.7 | 771.9 | 736.1 | 704.3 | 676.6 | 648.7 | 624.5 | 609.0 |
| 17.5°  | 979.0  | 926.1 | 875.5 | 832.4 | 776.9 | 732.1 | 693.2 | 660.2 | 629.6 | 603.9 | 584.8 |
| 20°    | 995.5  | 944.3 | 889.3 | 834.4 | 779.8 | 729.8 | 684.5 | 648.1 | 616.2 | 587.1 | 569.5 |
| 22.5°  | 1005.4 | 947.4 | 889.5 | 830.5 | 772.5 | 720.5 | 675.8 | 635.7 | 601.2 | 573.5 | 551.8 |
| 25°    | 1017.1 | 947.8 | 884.2 | 825.9 | 766.8 | 710.3 | 657.2 | 614.7 | 577.4 | 548.0 | 524.9 |
| 27.5°  | 1024.7 | 943.3 | 868.0 | 803.3 | 743.2 | 687.1 | 638.4 | 593.3 | 555.5 | 524.3 | 499.6 |
| 30°    | 1026.2 | 939.7 | 855.6 | 785.5 | 724.5 | 673.0 | 621.4 | 578.3 | 538.3 | 505.2 | 482.1 |
| 32.5°  | 1028.1 | 930.7 | 838.9 | 764.5 | 702.0 | 650.9 | 604.2 | 563.0 | 522.0 | 489.4 | 465.9 |
| 35°    | 1020.1 | 925.7 | 813.5 | 727.9 | 665.4 | 615.9 | 573.8 | 535.8 | 495.5 | 463.9 | 440.0 |
| 37.5°  | 985.6  | 906.0 | 787.1 | 686.7 | 621.4 | 575.6 | 541.2 | 508.2 | 471.2 | 437.1 | 414.5 |
| 40°    | 950.9  | 886.6 | 766.8 | 661.8 | 593.5 | 546.4 | 515.5 | 488.5 | 452.7 | 420.8 | 396.6 |
| 42.5°  | 899.2  | 860.2 | 747.3 | 635.6 | 561.9 | 516.6 | 490.5 | 465.2 | 433.8 | 401.4 | 378.6 |
| 45°    | 804.4  | 809.5 | 707.6 | 593.8 | 518.2 | 472.7 | 448.1 | 430.6 | 402.7 | 376.0 | 352.6 |
| 47.5°  | 685.4  | 733.6 | 660.9 | 549.3 | 472.2 | 429.4 | 408.0 | 392.6 | 373.8 | 347.6 | 326.3 |
| 50°    | 607.8  | 676.6 | 623.5 | 519.4 | 443.3 | 400.8 | 379.6 | 367.2 | 350.8 | 330.1 | 309.8 |
| 52.5°  | 536.1  | 610.1 | 578.4 | 486.2 | 412.0 | 373.1 | 352.4 | 342.1 | 329.2 | 309.7 | 291.4 |
| 55°    | 437.2  | 512.1 | 504.9 | 436.0 | 365.0 | 330.1 | 314.3 | 302.9 | 294.0 | 279.5 | 264.9 |
| 57.5°  | 353.6  | 424.7 | 428.5 | 380.2 | 323.6 | 289.1 | 275.6 | 266.9 | 261.1 | 250.2 | 236.7 |
| 60°    | 301.0  | 366.2 | 379.0 | 342.5 | 294.0 | 263.6 | 250.3 | 243.4 | 238.8 | 230.0 | 219.7 |
| 62.5°  | 257.3  | 312.8 | 327.3 | 301.0 | 265.6 | 237.2 | 226.8 | 220.1 | 217.0 | 209.4 | 200.3 |
| 65°    | 196.9  | 243.0 | 257.0 | 242.4 | 223.9 | 201.1 | 192.7 | 186.9 | 184.2 | 179.9 | 173.3 |
| 67.5°  | 148.1  | 181.7 | 197.0 | 186.7 | 180.1 | 165.6 | 160.3 | 157.2 | 154.7 | 151.9 | 146.2 |
| 70°    | 118.9  | 143.9 | 159.6 | 156.9 | 151.4 | 143.9 | 139.9 | 137.8 | 135.3 | 132.9 | 128.0 |
| 72.5°  | 95.6   | 112.7 | 127.5 | 129.0 | 124.5 | 122.9 | 119.5 | 118.6 | 117.1 | 114.2 | 111.5 |
| 75°    | 63.5   | 75.3  | 85.6  | 89.5  | 91.3  | 92.8  | 91.3  | 91.0  | 90.7  | 88.3  | 86.7  |
| 77.5°  | 41.6   | 47.9  | 54.4  | 61.2  | 64.0  | 66.1  | 66.5  | 67.7  | 66.9  | 65.6  | 64.9  |
| 80°    | 31.8   | 33.4  | 37.9  | 43.7  | 48.2  | 50.1  | 51.3  | 51.9  | 51.6  | 51.3  | 50.1  |
| 82.5°  | 23.1   | 24.4  | 26.5  | 30.6  | 34.4  | 37.5  | 38.2  | 38.0  | 38.7  | 38.9  | 37.9  |
| 85°    | 12.4   | 12.8  | 13.4  | 13.9  | 16.1  | 19.4  | 20.4  | 20.9  | 21.5  | 21.5  | 19.7  |
| 87.5°  | 5.2    | 4.8   | 5.0   | 4.8   | 5.4   | 5.5   | 6.8   | 7.8   | 8.2   | 7.4   | 7.6   |
| 90°    | 6.6    | 5.5   | 4.4   | 3.6   | 2.8   | 2.0   | 1.2   | 0.4   | 1.2   | 2.0   | 2.8   |
| 92.5°  | 12.6   | 12.0  | 11.4  | 10.9  | 10.3  | 9.7   | 9.3   | 8.7   | 9.3   | 9.7   | 10.3  |
| 95°    | 25.3   | 24.6  | 24.0  | 23.4  | 22.9  | 22.3  | 21.7  | 21.2  | 21.7  | 22.3  | 22.9  |
| 97.5°  | 40.6   | 40.2  | 39.7  | 39.3  | 38.9  | 38.4  | 38.0  | 37.6  | 38.0  | 38.4  | 38.9  |
| 100°   | 52.0   | 51.6  | 51.2  | 50.7  | 50.2  | 49.7  | 49.3  | 48.8  | 49.3  | 49.7  | 50.2  |
| 102.5° | 64.3   | 63.8  | 63.3  | 62.9  | 62.6  | 62.3  | 62.0  | 61.7  | 62.0  | 62.3  | 62.6  |
| 105°   | 83.3   | 82.5  | 81.8  | 81.4  | 81.3  | 81.1  | 81.0  | 80.8  | 81.0  | 81.1  | 81.3  |
| 107.5° | 104.0  | 103.8 | 103.5 | 103.3 | 103.1 | 103.1 | 103.0 | 102.9 | 103.0 | 103.1 | 103.1 |
| 110°   | 117.8  | 117.6 | 117.5 | 117.3 | 117.2 | 117.0 | 116.8 | 116.7 | 116.8 | 117.0 | 117.2 |





TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 131.6 | 131.5 | 131.5 | 131.4 | 131.3 | 131.3 | 131.1 | 131.0 | 131.1 | 131.3 | 131.3 |
| 115°   | 153.3 | 153.4 | 153.6 | 153.5 | 153.3 | 153.0 | 152.8 | 152.6 | 152.8 | 153.0 | 153.3 |
| 117.5° | 174.4 | 174.7 | 174.8 | 174.9 | 174.8 | 174.6 | 174.4 | 174.3 | 174.4 | 174.6 | 174.8 |
| 120°   | 188.9 | 189.3 | 189.7 | 189.6 | 189.2 | 188.7 | 188.2 | 187.7 | 188.2 | 188.7 | 189.2 |
| 122.5° | 202.9 | 203.1 | 203.3 | 203.2 | 202.9 | 202.6 | 202.2 | 201.8 | 202.2 | 202.6 | 202.9 |
| 125°   | 223.9 | 224.1 | 224.3 | 224.3 | 224.0 | 223.8 | 223.6 | 223.3 | 223.6 | 223.8 | 224.0 |
| 127.5° | 244.9 | 245.2 | 245.3 | 245.2 | 244.6 | 244.2 | 243.6 | 243.1 | 243.6 | 244.2 | 244.6 |
| 130°   | 258.6 | 258.8 | 259.0 | 258.9 | 258.3 | 257.6 | 257.0 | 256.4 | 257.0 | 257.6 | 258.3 |
| 132.5° | 272.0 | 272.1 | 272.4 | 272.1 | 271.5 | 270.8 | 270.1 | 269.5 | 270.1 | 270.8 | 271.5 |
| 135°   | 291.7 | 291.8 | 291.8 | 291.6 | 291.1 | 290.7 | 290.2 | 289.7 | 290.2 | 290.7 | 291.1 |
| 137.5° | 310.7 | 310.5 | 310.3 | 310.0 | 309.6 | 309.2 | 308.8 | 308.4 | 308.8 | 309.2 | 309.6 |
| 140°   | 323.3 | 323.2 | 323.1 | 322.9 | 322.5 | 322.1 | 321.7 | 321.3 | 321.7 | 322.1 | 322.5 |
| 142.5° | 335.3 | 335.1 | 334.9 | 334.7 | 334.3 | 333.9 | 333.5 | 333.1 | 333.5 | 333.9 | 334.3 |
| 145°   | 352.8 | 352.5 | 352.3 | 352.1 | 352.0 | 351.8 | 351.6 | 351.5 | 351.6 | 351.8 | 352.0 |
| 147.5° | 369.4 | 369.2 | 368.9 | 368.7 | 368.4 | 368.1 | 367.8 | 367.6 | 367.8 | 368.1 | 368.4 |
| 150°   | 379.9 | 379.7 | 379.5 | 379.4 | 379.2 | 379.1 | 378.9 | 378.7 | 378.9 | 379.1 | 379.2 |
| 152.5° | 389.2 | 389.0 | 389.0 | 388.8 | 388.6 | 388.4 | 388.2 | 387.9 | 388.2 | 388.4 | 388.6 |
| 155°   | 402.7 | 402.6 | 402.5 | 402.4 | 402.4 | 402.4 | 402.4 | 402.4 | 402.4 | 402.4 | 402.4 |
| 157.5° | 414.5 | 414.5 | 414.4 | 414.4 | 414.5 | 414.6 | 414.7 | 414.8 | 414.7 | 414.6 | 414.5 |
| 160°   | 421.8 | 421.8 | 421.8 | 421.9 | 422.1 | 422.2 | 422.4 | 422.6 | 422.4 | 422.2 | 422.1 |
| 162.5° | 428.6 | 428.5 | 428.5 | 428.6 | 428.7 | 429.0 | 429.2 | 429.4 | 429.2 | 429.0 | 428.7 |
| 165°   | 437.3 | 437.3 | 437.3 | 437.4 | 437.6 | 437.8 | 438.1 | 438.3 | 438.1 | 437.8 | 437.6 |
| 167.5° | 444.2 | 444.1 | 444.0 | 444.2 | 444.5 | 444.8 | 445.1 | 445.4 | 445.1 | 444.8 | 444.5 |
| 170°   | 448.1 | 448.1 | 448.1 | 448.2 | 448.5 | 448.9 | 449.2 | 449.5 | 449.2 | 448.9 | 448.5 |
| 172.5° | 451.1 | 451.1 | 451.1 | 451.3 | 451.7 | 452.0 | 452.3 | 452.7 | 452.3 | 452.0 | 451.7 |
| 175°   | 454.5 | 454.5 | 454.5 | 454.6 | 455.0 | 455.3 | 455.6 | 455.9 | 455.6 | 455.3 | 455.0 |
| 177.5° | 456.1 | 456.1 | 456.1 | 456.3 | 456.5 | 456.8 | 457.0 | 457.3 | 457.0 | 456.8 | 456.5 |
| 180°   | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 |
| 2.5°   | 696.6 | 693.5 | 691.3 | 686.4 | 683.3 | 679.9 | 676.5 | 678.7 | 678.4 | 678.2 | 678.2 |
| 5°     | 673.3 | 666.3 | 660.0 | 651.7 | 646.6 | 640.2 | 635.3 | 634.8 | 636.0 | 631.7 | 629.3 |
| 7.5°   | 650.1 | 640.6 | 631.5 | 622.5 | 612.9 | 605.2 | 600.5 | 598.3 | 595.2 | 592.6 | 589.8 |
| 10°    | 633.8 | 622.7 | 613.8 | 602.6 | 592.3 | 583.2 | 577.4 | 573.5 | 571.3 | 569.2 | 565.3 |
| 12.5°  | 617.1 | 606.1 | 594.8 | 582.2 | 572.4 | 561.8 | 557.5 | 553.1 | 549.0 | 546.6 | 541.2 |
| 15°    | 592.6 | 578.3 | 566.5 | 553.1 | 542.2 | 531.9 | 525.9 | 517.1 | 515.8 | 512.8 | 507.3 |
| 17.5°  | 568.0 | 552.5 | 536.2 | 526.3 | 514.0 | 503.3 | 494.0 | 491.1 | 482.4 | 479.1 | 474.4 |
| 20°    | 548.6 | 534.3 | 521.9 | 508.8 | 490.9 | 480.9 | 473.6 | 469.7 | 462.7 | 458.4 | 455.4 |
| 22.5°  | 531.9 | 517.3 | 503.0 | 487.7 | 472.9 | 461.8 | 456.4 | 450.3 | 446.5 | 440.5 | 437.2 |
| 25°    | 507.9 | 492.2 | 474.8 | 458.4 | 447.8 | 439.3 | 430.9 | 425.4 | 419.9 | 417.2 | 411.1 |
| 27.5°  | 480.1 | 463.7 | 447.5 | 435.1 | 422.0 | 413.6 | 405.9 | 401.1 | 394.5 | 389.9 | 386.6 |
| 30°    | 464.9 | 445.4 | 431.5 | 420.3 | 403.5 | 395.7 | 389.9 | 383.8 | 379.0 | 374.1 | 370.7 |
| 32.5°  | 447.1 | 429.4 | 416.1 | 402.3 | 389.4 | 380.9 | 373.4 | 368.0 | 363.9 | 359.3 | 356.0 |
| 35°    | 419.3 | 404.5 | 390.8 | 376.8 | 367.4 | 358.6 | 349.8 | 345.3 | 341.4 | 337.1 | 334.1 |
| 37.5°  | 394.2 | 380.3 | 367.3 | 354.1 | 342.5 | 335.3 | 328.2 | 324.7 | 319.4 | 316.6 | 313.5 |
| 40°    | 378.7 | 365.0 | 351.1 | 338.3 | 326.1 | 320.8 | 314.3 | 309.2 | 304.4 | 302.2 | 298.9 |
| 42.5°  | 361.7 | 348.0 | 336.3 | 322.5 | 312.6 | 305.1 | 299.3 | 293.7 | 290.0 | 286.9 | 285.0 |
| 45°    | 336.5 | 324.3 | 312.8 | 299.2 | 289.8 | 283.4 | 276.7 | 271.6 | 268.2 | 266.1 | 262.8 |
| 47.5°  | 312.0 | 299.9 | 288.2 | 276.3 | 267.2 | 259.9 | 253.3 | 249.6 | 245.3 | 242.6 | 240.3 |
| 50°    | 294.3 | 283.4 | 270.9 | 260.0 | 251.0 | 243.7 | 238.2 | 233.6 | 229.7 | 226.3 | 224.8 |
| 52.5°  | 278.1 | 266.4 | 255.6 | 245.5 | 235.9 | 227.6 | 222.7 | 217.9 | 214.9 | 211.0 | 209.3 |
| 55°    | 251.2 | 240.0 | 230.9 | 220.9 | 211.5 | 204.5 | 198.4 | 194.2 | 191.2 | 186.9 | 184.5 |
| 57.5°  | 226.0 | 215.9 | 205.1 | 196.5 | 186.7 | 180.9 | 175.8 | 170.0 | 166.4 | 163.0 | 160.7 |
| 60°    | 209.1 | 197.5 | 188.1 | 179.9 | 171.4 | 163.8 | 159.3 | 154.7 | 150.8 | 147.4 | 145.4 |
| 62.5°  | 191.3 | 181.3 | 172.4 | 163.4 | 155.7 | 149.0 | 143.8 | 139.9 | 136.5 | 134.4 | 132.2 |
| 65°    | 164.1 | 156.3 | 147.2 | 139.9 | 132.6 | 127.8 | 123.5 | 120.2 | 117.7 | 116.2 | 114.4 |
| 67.5°  | 139.2 | 131.5 | 123.6 | 116.4 | 111.5 | 107.8 | 105.0 | 102.2 | 101.0 | 99.0  | 97.8  |
| 70°    | 122.9 | 115.0 | 108.1 | 102.6 | 97.7  | 95.0  | 93.2  | 91.0  | 89.8  | 87.4  | 86.2  |
| 72.5°  | 105.2 | 99.5  | 94.4  | 89.9  | 86.0  | 83.6  | 81.3  | 78.7  | 76.7  | 74.1  | 72.8  |
| 75°    | 82.9  | 77.7  | 73.8  | 70.7  | 68.3  | 65.0  | 61.6  | 58.9  | 58.0  | 57.0  | 56.7  |
| 77.5°  | 61.3  | 58.1  | 55.2  | 52.7  | 49.7  | 47.2  | 46.5  | 45.9  | 45.7  | 45.2  | 45.2  |
| 80°    | 48.2  | 45.2  | 43.1  | 40.1  | 38.3  | 38.3  | 38.3  | 37.6  | 37.9  | 37.9  | 37.9  |
| 82.5°  | 35.9  | 33.0  | 31.9  | 30.8  | 30.5  | 30.7  | 30.7  | 30.8  | 30.7  | 31.1  | 30.9  |
| 85°    | 18.5  | 18.8  | 19.4  | 19.1  | 19.4  | 19.4  | 20.0  | 19.7  | 20.0  | 19.4  | 20.0  |
| 87.5°  | 7.5   | 8.4   | 8.9   | 9.3   | 9.7   | 9.7   | 10.1  | 10.1  | 10.4  | 10.5  | 10.5  |
| 90°    | 3.6   | 4.4   | 5.5   | 6.6   | 7.6   | 8.6   | 9.0   | 9.3   | 9.6   | 9.9   | 10.1  |
| 92.5°  | 10.9  | 11.4  | 12.0  | 12.6  | 13.2  | 13.8  | 14.0  | 14.3  | 14.6  | 14.8  | 14.9  |
| 95°    | 23.4  | 24.0  | 24.6  | 25.3  | 25.9  | 26.5  | 26.9  | 27.2  | 27.5  | 27.8  | 28.0  |
| 97.5°  | 39.3  | 39.7  | 40.2  | 40.6  | 41.1  | 41.6  | 41.9  | 42.3  | 42.7  | 43.0  | 43.2  |
| 100°   | 50.7  | 51.2  | 51.6  | 52.0  | 52.4  | 52.8  | 53.0  | 53.2  | 53.5  | 53.7  | 53.9  |
| 102.5° | 62.9  | 63.3  | 63.8  | 64.3  | 64.9  | 65.4  | 65.7  | 65.9  | 66.1  | 66.4  | 66.5  |
| 105°   | 81.4  | 81.8  | 82.5  | 83.3  | 84.0  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.8  |
| 107.5° | 103.3 | 103.5 | 103.8 | 104.0 | 104.3 | 104.6 | 104.9 | 105.1 | 105.4 | 105.6 | 105.7 |
| 110°   | 117.3 | 117.5 | 117.6 | 117.8 | 118.0 | 118.1 | 118.4 | 118.7 | 119.1 | 119.4 | 119.5 |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 131.4 | 131.5 | 131.5 | 131.6 | 131.6 | 131.6 | 132.0 | 132.4 | 132.8 | 133.2 | 133.3 |
| 115°   | 153.5 | 153.6 | 153.4 | 153.3 | 153.1 | 153.0 | 153.0 | 153.1 | 153.2 | 153.3 | 153.3 |
| 117.5° | 174.9 | 174.8 | 174.7 | 174.4 | 174.3 | 174.0 | 174.0 | 174.0 | 174.0 | 174.0 | 173.9 |
| 120°   | 189.6 | 189.7 | 189.3 | 188.9 | 188.5 | 188.1 | 188.1 | 188.0 | 187.9 | 187.8 | 187.7 |
| 122.5° | 203.2 | 203.3 | 203.1 | 202.9 | 202.7 | 202.5 | 202.2 | 202.1 | 201.8 | 201.6 | 201.5 |
| 125°   | 224.3 | 224.3 | 224.1 | 223.9 | 223.8 | 223.6 | 223.3 | 223.0 | 222.7 | 222.4 | 222.0 |
| 127.5° | 245.2 | 245.3 | 245.2 | 244.9 | 244.8 | 244.6 | 244.2 | 243.8 | 243.3 | 242.8 | 242.4 |
| 130°   | 258.9 | 259.0 | 258.8 | 258.6 | 258.3 | 258.1 | 257.8 | 257.5 | 257.1 | 256.8 | 256.4 |
| 132.5° | 272.1 | 272.4 | 272.1 | 272.0 | 271.8 | 271.6 | 271.2 | 270.8 | 270.5 | 270.1 | 269.7 |
| 135°   | 291.6 | 291.8 | 291.8 | 291.7 | 291.6 | 291.5 | 291.2 | 290.9 | 290.6 | 290.3 | 290.0 |
| 137.5° | 310.0 | 310.3 | 310.5 | 310.7 | 310.9 | 311.1 | 310.8 | 310.5 | 310.1 | 309.7 | 309.4 |
| 140°   | 322.9 | 323.1 | 323.2 | 323.3 | 323.4 | 323.4 | 323.4 | 323.3 | 323.2 | 323.1 | 322.8 |
| 142.5° | 334.7 | 334.9 | 335.1 | 335.3 | 335.4 | 335.5 | 335.4 | 335.3 | 335.3 | 335.2 | 334.9 |
| 145°   | 352.1 | 352.3 | 352.5 | 352.8 | 353.0 | 353.2 | 353.2 | 353.1 | 353.0 | 352.9 | 352.8 |
| 147.5° | 368.7 | 368.9 | 369.2 | 369.4 | 369.6 | 369.9 | 369.9 | 369.9 | 369.9 | 369.9 | 369.6 |
| 150°   | 379.4 | 379.5 | 379.7 | 379.9 | 380.0 | 380.2 | 380.2 | 380.2 | 380.2 | 380.2 | 379.9 |
| 152.5° | 388.8 | 389.0 | 389.0 | 389.2 | 389.3 | 389.4 | 389.5 | 389.6 | 389.8 | 389.9 | 389.8 |
| 155°   | 402.4 | 402.5 | 402.6 | 402.7 | 402.7 | 402.8 | 403.1 | 403.5 | 403.8 | 404.1 | 403.9 |
| 157.5° | 414.4 | 414.4 | 414.5 | 414.5 | 414.5 | 414.6 | 414.9 | 415.3 | 415.7 | 416.0 | 415.9 |
| 160°   | 421.9 | 421.8 | 421.8 | 421.8 | 421.8 | 421.8 | 422.2 | 422.6 | 423.0 | 423.4 | 423.4 |
| 162.5° | 428.6 | 428.5 | 428.5 | 428.6 | 428.6 | 428.7 | 429.1 | 429.5 | 429.9 | 430.3 | 430.2 |
| 165°   | 437.4 | 437.3 | 437.3 | 437.3 | 437.3 | 437.3 | 437.8 | 438.2 | 438.7 | 439.2 | 439.1 |
| 167.5° | 444.2 | 444.0 | 444.1 | 444.2 | 444.3 | 444.3 | 444.8 | 445.3 | 445.8 | 446.2 | 446.2 |
| 170°   | 448.2 | 448.1 | 448.1 | 448.1 | 448.1 | 448.1 | 448.6 | 449.2 | 449.7 | 450.3 | 450.3 |
| 172.5° | 451.3 | 451.1 | 451.1 | 451.1 | 451.1 | 451.1 | 451.7 | 452.2 | 452.7 | 453.1 | 453.1 |
| 175°   | 454.6 | 454.5 | 454.5 | 454.5 | 454.5 | 454.5 | 455.0 | 455.4 | 455.9 | 456.4 | 456.4 |
| 177.5° | 456.3 | 456.1 | 456.1 | 456.1 | 456.1 | 456.1 | 456.5 | 456.9 | 457.3 | 457.6 | 457.6 |
| 180°   | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 |
| 2.5°   | 675.3 | 675.0 | 675.3 | 674.3 | 675.3 | 675.0 | 675.3 | 678.2 | 678.2 | 678.4 | 678.7 |
| 5°     | 628.4 | 628.0 | 627.2 | 624.5 | 627.2 | 628.0 | 628.4 | 629.3 | 631.7 | 636.0 | 634.8 |
| 7.5°   | 587.4 | 587.0 | 584.3 | 584.4 | 584.3 | 587.0 | 587.4 | 589.8 | 592.6 | 595.2 | 598.3 |
| 10°    | 563.2 | 563.5 | 559.8 | 557.7 | 559.8 | 563.5 | 563.2 | 565.3 | 569.2 | 571.3 | 573.5 |
| 12.5°  | 539.6 | 538.2 | 535.3 | 532.9 | 535.3 | 538.2 | 539.6 | 541.2 | 546.6 | 549.0 | 553.1 |
| 15°    | 508.5 | 505.5 | 498.2 | 498.8 | 498.2 | 505.5 | 508.5 | 507.3 | 512.8 | 515.8 | 517.1 |
| 17.5°  | 471.9 | 469.7 | 469.6 | 465.3 | 469.6 | 469.7 | 471.9 | 474.4 | 479.1 | 482.4 | 491.1 |
| 20°    | 450.6 | 449.1 | 449.6 | 445.4 | 449.6 | 449.1 | 450.6 | 455.4 | 458.4 | 462.7 | 469.7 |
| 22.5°  | 433.8 | 432.3 | 429.8 | 428.4 | 429.8 | 432.3 | 433.8 | 437.2 | 440.5 | 446.5 | 450.3 |
| 25°    | 409.3 | 406.9 | 404.5 | 406.0 | 404.5 | 406.9 | 409.3 | 411.1 | 417.2 | 419.9 | 425.4 |
| 27.5°  | 384.8 | 382.9 | 380.6 | 380.2 | 380.6 | 382.9 | 384.8 | 386.6 | 389.9 | 394.5 | 401.1 |
| 30°    | 369.2 | 367.4 | 366.2 | 364.7 | 366.2 | 367.4 | 369.2 | 370.7 | 374.1 | 379.0 | 383.8 |
| 32.5°  | 353.5 | 353.2 | 350.9 | 350.6 | 350.9 | 353.2 | 353.5 | 356.0 | 359.3 | 363.9 | 368.0 |
| 35°    | 332.9 | 331.1 | 330.4 | 330.7 | 330.4 | 331.1 | 332.9 | 334.1 | 337.1 | 341.4 | 345.3 |
| 37.5°  | 313.2 | 310.9 | 309.7 | 308.6 | 309.7 | 310.9 | 313.2 | 313.5 | 316.6 | 319.4 | 324.7 |
| 40°    | 299.2 | 296.8 | 296.1 | 295.6 | 296.1 | 296.8 | 299.2 | 298.9 | 302.2 | 304.4 | 309.2 |
| 42.5°  | 283.4 | 282.4 | 282.1 | 281.0 | 282.1 | 282.4 | 283.4 | 285.0 | 286.9 | 290.0 | 293.7 |
| 45°    | 261.8 | 261.6 | 259.8 | 260.3 | 259.8 | 261.6 | 261.8 | 262.8 | 266.1 | 268.2 | 271.6 |
| 47.5°  | 239.2 | 237.8 | 236.5 | 237.4 | 236.5 | 237.8 | 239.2 | 240.3 | 242.6 | 245.3 | 249.6 |
| 50°    | 223.6 | 223.0 | 220.3 | 220.9 | 220.3 | 223.0 | 223.6 | 224.8 | 226.3 | 229.7 | 233.6 |
| 52.5°  | 208.1 | 205.8 | 204.8 | 204.4 | 204.8 | 205.8 | 208.1 | 209.3 | 211.0 | 214.9 | 217.9 |
| 55°    | 182.4 | 179.6 | 178.4 | 177.8 | 178.4 | 179.6 | 182.4 | 184.5 | 186.9 | 191.2 | 194.2 |
| 57.5°  | 157.1 | 156.4 | 155.4 | 156.1 | 155.4 | 156.4 | 157.1 | 160.7 | 163.0 | 166.4 | 170.0 |
| 60°    | 142.3 | 142.3 | 142.3 | 142.0 | 142.3 | 142.3 | 142.3 | 145.4 | 147.4 | 150.8 | 154.7 |
| 62.5°  | 130.9 | 130.2 | 129.9 | 130.3 | 129.9 | 130.2 | 130.9 | 132.2 | 134.4 | 136.5 | 139.9 |
| 65°    | 113.4 | 113.2 | 111.9 | 111.7 | 111.9 | 113.2 | 113.4 | 114.4 | 116.2 | 117.7 | 120.2 |
| 67.5°  | 97.0  | 95.9  | 95.6  | 95.1  | 95.6  | 95.9  | 97.0  | 97.8  | 99.0  | 101.0 | 102.2 |
| 70°    | 84.7  | 84.1  | 82.2  | 82.5  | 82.2  | 84.1  | 84.7  | 86.2  | 87.4  | 89.8  | 91.0  |
| 72.5°  | 71.3  | 70.7  | 70.3  | 69.9  | 70.3  | 70.7  | 71.3  | 72.8  | 74.1  | 76.7  | 78.7  |
| 75°    | 56.4  | 56.2  | 55.8  | 57.0  | 55.8  | 56.2  | 56.4  | 56.7  | 57.0  | 58.0  | 58.9  |
| 77.5°  | 45.2  | 45.2  | 45.4  | 44.9  | 45.4  | 45.2  | 45.2  | 45.2  | 45.2  | 45.7  | 45.9  |
| 80°    | 37.9  | 37.9  | 37.6  | 37.6  | 37.6  | 37.9  | 37.9  | 37.9  | 37.9  | 37.9  | 37.6  |
| 82.5°  | 30.4  | 30.7  | 30.8  | 30.3  | 30.8  | 30.7  | 30.4  | 30.9  | 31.1  | 30.7  | 30.8  |
| 85°    | 20.0  | 19.7  | 20.4  | 20.0  | 20.4  | 19.7  | 20.0  | 20.0  | 19.4  | 20.0  | 19.7  |
| 87.5°  | 11.0  | 10.6  | 10.6  | 10.9  | 10.6  | 10.6  | 11.0  | 10.5  | 10.5  | 10.4  | 10.1  |
| 90°    | 10.3  | 10.5  | 10.6  | 10.8  | 10.6  | 10.5  | 10.3  | 10.1  | 9.9   | 9.6   | 9.3   |
| 92.5°  | 14.8  | 14.7  | 14.6  | 14.5  | 14.6  | 14.7  | 14.8  | 14.9  | 14.8  | 14.6  | 14.3  |
| 95°    | 28.0  | 28.0  | 28.0  | 28.0  | 28.0  | 28.0  | 28.0  | 28.0  | 27.8  | 27.5  | 27.2  |
| 97.5°  | 43.2  | 43.2  | 43.1  | 43.1  | 43.1  | 43.2  | 43.2  | 43.2  | 43.0  | 42.7  | 42.3  |
| 100°   | 54.1  | 54.3  | 54.4  | 54.6  | 54.4  | 54.3  | 54.1  | 53.9  | 53.7  | 53.5  | 53.2  |
| 102.5° | 66.5  | 66.4  | 66.4  | 66.3  | 66.4  | 66.4  | 66.5  | 66.5  | 66.4  | 66.1  | 65.9  |
| 105°   | 85.0  | 85.2  | 85.3  | 85.5  | 85.3  | 85.2  | 85.0  | 84.8  | 84.7  | 84.7  | 84.7  |
| 107.5° | 105.6 | 105.5 | 105.4 | 105.4 | 105.4 | 105.5 | 105.6 | 105.7 | 105.6 | 105.4 | 105.1 |
| 110°   | 119.3 | 119.1 | 119.0 | 118.8 | 119.0 | 119.1 | 119.3 | 119.5 | 119.4 | 119.1 | 118.7 |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.3 | 133.2 | 132.8 | 132.4 |
| 115°   | 153.2 | 153.1 | 153.0 | 153.0 | 153.0 | 153.1 | 153.2 | 153.3 | 153.3 | 153.2 | 153.1 |
| 117.5° | 173.6 | 173.4 | 173.2 | 172.9 | 173.2 | 173.4 | 173.6 | 173.9 | 174.0 | 174.0 | 174.0 |
| 120°   | 187.5 | 187.4 | 187.2 | 187.0 | 187.2 | 187.4 | 187.5 | 187.7 | 187.8 | 187.9 | 188.0 |
| 122.5° | 201.2 | 201.0 | 200.7 | 200.5 | 200.7 | 201.0 | 201.2 | 201.5 | 201.6 | 201.8 | 202.1 |
| 125°   | 221.7 | 221.4 | 221.1 | 220.8 | 221.1 | 221.4 | 221.7 | 222.0 | 222.4 | 222.7 | 223.0 |
| 127.5° | 242.1 | 241.7 | 241.3 | 241.0 | 241.3 | 241.7 | 242.1 | 242.4 | 242.8 | 243.3 | 243.8 |
| 130°   | 255.9 | 255.3 | 254.8 | 254.1 | 254.8 | 255.3 | 255.9 | 256.4 | 256.8 | 257.1 | 257.5 |
| 132.5° | 269.3 | 268.8 | 268.4 | 267.9 | 268.4 | 268.8 | 269.3 | 269.7 | 270.1 | 270.5 | 270.8 |
| 135°   | 289.9 | 289.7 | 289.5 | 289.4 | 289.5 | 289.7 | 289.9 | 290.0 | 290.3 | 290.6 | 290.9 |
| 137.5° | 309.1 | 308.9 | 308.6 | 308.2 | 308.6 | 308.9 | 309.1 | 309.4 | 309.7 | 310.1 | 310.5 |
| 140°   | 322.3 | 321.7 | 321.2 | 320.6 | 321.2 | 321.7 | 322.3 | 322.8 | 323.1 | 323.2 | 323.3 |
| 142.5° | 334.5 | 334.1 | 333.7 | 333.2 | 333.7 | 334.1 | 334.5 | 334.9 | 335.2 | 335.3 | 335.3 |
| 145°   | 352.4 | 352.1 | 351.8 | 351.5 | 351.8 | 352.1 | 352.4 | 352.8 | 352.9 | 353.0 | 353.1 |
| 147.5° | 369.2 | 368.6 | 368.1 | 367.7 | 368.1 | 368.6 | 369.2 | 369.6 | 369.9 | 369.9 | 369.9 |
| 150°   | 379.5 | 379.0 | 378.5 | 378.0 | 378.5 | 379.0 | 379.5 | 379.9 | 380.2 | 380.2 | 380.2 |
| 152.5° | 389.4 | 388.9 | 388.5 | 388.1 | 388.5 | 388.9 | 389.4 | 389.8 | 389.9 | 389.8 | 389.6 |
| 155°   | 403.4 | 402.8 | 402.3 | 401.7 | 402.3 | 402.8 | 403.4 | 403.9 | 404.1 | 403.8 | 403.5 |
| 157.5° | 415.5 | 415.0 | 414.5 | 414.2 | 414.5 | 415.0 | 415.5 | 415.9 | 416.0 | 415.7 | 415.3 |
| 160°   | 423.1 | 422.8 | 422.5 | 422.2 | 422.5 | 422.8 | 423.1 | 423.4 | 423.4 | 423.0 | 422.6 |
| 162.5° | 429.8 | 429.2 | 428.7 | 428.2 | 428.7 | 429.2 | 429.8 | 430.2 | 430.3 | 429.9 | 429.5 |
| 165°   | 438.6 | 438.0 | 437.4 | 436.9 | 437.4 | 438.0 | 438.6 | 439.1 | 439.2 | 438.7 | 438.2 |
| 167.5° | 445.8 | 445.3 | 444.8 | 444.3 | 444.8 | 445.3 | 445.8 | 446.2 | 446.2 | 445.8 | 445.3 |
| 170°   | 449.7 | 449.2 | 448.6 | 448.1 | 448.6 | 449.2 | 449.7 | 450.3 | 450.3 | 449.7 | 449.2 |
| 172.5° | 452.6 | 452.0 | 451.5 | 450.9 | 451.5 | 452.0 | 452.6 | 453.1 | 453.1 | 452.7 | 452.2 |
| 175°   | 455.8 | 455.3 | 454.7 | 454.2 | 454.7 | 455.3 | 455.8 | 456.4 | 456.4 | 455.9 | 455.4 |
| 177.5° | 457.2 | 456.8 | 456.3 | 455.8 | 456.3 | 456.8 | 457.2 | 457.6 | 457.6 | 457.3 | 456.9 |
| 180°   | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 |
| 2.5°   | 676.5 | 679.9 | 683.3 | 686.4 | 691.3 | 693.5 | 696.6 | 697.8 | 701.5 | 706.9 | 711.2 |
| 5°     | 635.3 | 640.2 | 646.6 | 651.7 | 660.0 | 666.3 | 673.3 | 679.9 | 687.9 | 699.1 | 709.1 |
| 7.5°   | 600.5 | 605.2 | 612.9 | 622.5 | 631.5 | 640.6 | 650.1 | 659.2 | 670.5 | 686.6 | 702.5 |
| 10°    | 577.4 | 583.2 | 592.3 | 602.6 | 613.8 | 622.7 | 633.8 | 645.4 | 659.3 | 677.9 | 697.0 |
| 12.5°  | 557.5 | 561.8 | 572.4 | 582.2 | 594.8 | 606.1 | 617.1 | 630.6 | 646.5 | 666.2 | 689.2 |
| 15°    | 525.9 | 531.9 | 542.2 | 553.1 | 566.5 | 578.3 | 592.6 | 609.0 | 624.5 | 648.7 | 676.6 |
| 17.5°  | 494.0 | 503.3 | 514.0 | 526.3 | 536.2 | 552.5 | 568.0 | 584.8 | 603.9 | 629.6 | 660.2 |
| 20°    | 473.6 | 480.9 | 490.9 | 508.8 | 521.9 | 534.3 | 548.6 | 569.5 | 587.1 | 616.2 | 648.1 |
| 22.5°  | 456.4 | 461.8 | 472.9 | 487.7 | 503.0 | 517.3 | 531.9 | 551.8 | 573.5 | 601.2 | 635.7 |
| 25°    | 430.9 | 439.3 | 447.8 | 458.4 | 474.8 | 492.2 | 507.9 | 524.9 | 548.0 | 577.4 | 614.7 |
| 27.5°  | 405.9 | 413.6 | 422.0 | 435.1 | 447.5 | 463.7 | 480.1 | 499.6 | 524.3 | 555.5 | 593.3 |
| 30°    | 389.9 | 395.7 | 403.5 | 420.3 | 431.5 | 445.4 | 464.9 | 482.1 | 505.2 | 538.3 | 578.3 |
| 32.5°  | 373.4 | 380.9 | 389.4 | 402.3 | 416.1 | 429.4 | 447.1 | 465.9 | 489.4 | 522.0 | 563.0 |
| 35°    | 349.8 | 358.6 | 367.4 | 376.8 | 390.8 | 404.5 | 419.3 | 440.0 | 463.9 | 495.5 | 535.8 |
| 37.5°  | 328.2 | 335.3 | 342.5 | 354.1 | 367.3 | 380.3 | 394.2 | 414.5 | 437.1 | 471.2 | 508.2 |
| 40°    | 314.3 | 320.8 | 326.1 | 338.3 | 351.1 | 365.0 | 378.7 | 396.6 | 420.8 | 452.7 | 488.5 |
| 42.5°  | 299.3 | 305.1 | 312.6 | 322.5 | 336.3 | 348.0 | 361.7 | 378.6 | 401.4 | 433.8 | 465.2 |
| 45°    | 276.7 | 283.4 | 289.8 | 299.2 | 312.8 | 324.3 | 336.5 | 352.6 | 376.0 | 402.7 | 430.6 |
| 47.5°  | 253.3 | 259.9 | 267.2 | 276.3 | 288.2 | 299.9 | 312.0 | 326.3 | 347.6 | 373.8 | 392.6 |
| 50°    | 238.2 | 243.7 | 251.0 | 260.0 | 270.9 | 283.4 | 294.3 | 309.8 | 330.1 | 350.8 | 367.2 |
| 52.5°  | 222.7 | 227.6 | 235.9 | 245.5 | 255.6 | 266.4 | 278.1 | 291.4 | 309.7 | 329.2 | 342.1 |
| 55°    | 198.4 | 204.5 | 211.5 | 220.9 | 230.9 | 240.0 | 251.2 | 264.9 | 279.5 | 294.0 | 302.9 |
| 57.5°  | 175.8 | 180.9 | 186.7 | 196.5 | 205.1 | 215.9 | 226.0 | 236.7 | 250.2 | 261.1 | 266.9 |
| 60°    | 159.3 | 163.8 | 171.4 | 179.9 | 188.1 | 197.5 | 209.1 | 219.7 | 230.0 | 238.8 | 243.4 |
| 62.5°  | 143.8 | 149.0 | 155.7 | 163.4 | 172.4 | 181.3 | 191.3 | 200.3 | 209.4 | 217.0 | 220.1 |
| 65°    | 123.5 | 127.8 | 132.6 | 139.9 | 147.2 | 156.3 | 164.1 | 173.3 | 179.9 | 184.2 | 186.9 |
| 67.5°  | 105.0 | 107.8 | 111.5 | 116.4 | 123.6 | 131.5 | 139.2 | 146.2 | 151.9 | 154.7 | 157.2 |
| 70°    | 93.2  | 95.0  | 97.7  | 102.6 | 108.1 | 115.0 | 122.9 | 128.0 | 132.9 | 135.3 | 137.8 |
| 72.5°  | 81.3  | 83.6  | 86.0  | 89.9  | 94.4  | 99.5  | 105.2 | 111.5 | 114.2 | 117.1 | 118.6 |
| 75°    | 61.6  | 65.0  | 68.3  | 70.7  | 73.8  | 77.7  | 82.9  | 86.7  | 88.3  | 90.7  | 91.0  |
| 77.5°  | 46.5  | 47.2  | 49.7  | 52.7  | 55.2  | 58.1  | 61.3  | 64.9  | 65.6  | 66.9  | 67.7  |
| 80°    | 38.3  | 38.3  | 38.3  | 40.1  | 43.1  | 45.2  | 48.2  | 50.1  | 51.3  | 51.6  | 51.9  |
| 82.5°  | 30.7  | 30.7  | 30.5  | 30.8  | 31.9  | 33.0  | 35.9  | 37.9  | 38.9  | 38.7  | 38.0  |
| 85°    | 20.0  | 19.4  | 19.4  | 19.1  | 19.4  | 18.8  | 18.5  | 19.7  | 21.5  | 21.5  | 20.9  |
| 87.5°  | 10.1  | 9.7   | 9.7   | 9.3   | 8.9   | 8.4   | 7.5   | 7.6   | 7.4   | 8.2   | 7.8   |
| 90°    | 9.0   | 8.6   | 7.6   | 6.6   | 5.5   | 4.4   | 3.6   | 2.8   | 2.0   | 1.2   | 0.4   |
| 92.5°  | 14.0  | 13.8  | 13.2  | 12.6  | 12.0  | 11.4  | 10.9  | 10.3  | 9.7   | 9.3   | 8.7   |
| 95°    | 26.9  | 26.5  | 25.9  | 25.3  | 24.6  | 24.0  | 23.4  | 22.9  | 22.3  | 21.7  | 21.2  |
| 97.5°  | 41.9  | 41.6  | 41.1  | 40.6  | 40.2  | 39.7  | 39.3  | 38.9  | 38.4  | 38.0  | 37.6  |
| 100°   | 53.0  | 52.8  | 52.4  | 52.0  | 51.6  | 51.2  | 50.7  | 50.2  | 49.7  | 49.3  | 48.8  |
| 102.5° | 65.7  | 65.4  | 64.9  | 64.3  | 63.8  | 63.3  | 62.9  | 62.6  | 62.3  | 62.0  | 61.7  |
| 105°   | 84.7  | 84.7  | 84.0  | 83.3  | 82.5  | 81.8  | 81.4  | 81.3  | 81.1  | 81.0  | 80.8  |
| 107.5° | 104.9 | 104.6 | 104.3 | 104.0 | 103.8 | 103.5 | 103.3 | 103.1 | 103.1 | 103.0 | 102.9 |
| 110°   | 118.4 | 118.1 | 118.0 | 117.8 | 117.6 | 117.5 | 117.3 | 117.2 | 117.0 | 116.8 | 116.7 |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.0 | 131.6 | 131.6 | 131.6 | 131.5 | 131.5 | 131.4 | 131.3 | 131.3 | 131.1 | 131.0 |
| 115°   | 153.0 | 153.0 | 153.1 | 153.3 | 153.4 | 153.6 | 153.5 | 153.3 | 153.0 | 152.8 | 152.6 |
| 117.5° | 174.0 | 174.0 | 174.3 | 174.4 | 174.7 | 174.8 | 174.9 | 174.8 | 174.6 | 174.4 | 174.3 |
| 120°   | 188.1 | 188.1 | 188.5 | 188.9 | 189.3 | 189.7 | 189.6 | 189.2 | 188.7 | 188.2 | 187.7 |
| 122.5° | 202.2 | 202.5 | 202.7 | 202.9 | 203.1 | 203.3 | 203.2 | 202.9 | 202.6 | 202.2 | 201.8 |
| 125°   | 223.3 | 223.6 | 223.8 | 223.9 | 224.1 | 224.3 | 224.3 | 224.0 | 223.8 | 223.6 | 223.3 |
| 127.5° | 244.2 | 244.6 | 244.8 | 244.9 | 245.2 | 245.3 | 245.2 | 244.6 | 244.2 | 243.6 | 243.1 |
| 130°   | 257.8 | 258.1 | 258.3 | 258.6 | 258.8 | 259.0 | 258.9 | 258.3 | 257.6 | 257.0 | 256.4 |
| 132.5° | 271.2 | 271.6 | 271.8 | 272.0 | 272.1 | 272.4 | 272.1 | 271.5 | 270.8 | 270.1 | 269.5 |
| 135°   | 291.2 | 291.5 | 291.6 | 291.7 | 291.8 | 291.8 | 291.6 | 291.1 | 290.7 | 290.2 | 289.7 |
| 137.5° | 310.8 | 311.1 | 310.9 | 310.7 | 310.5 | 310.3 | 310.0 | 309.6 | 309.2 | 308.8 | 308.4 |
| 140°   | 323.4 | 323.4 | 323.4 | 323.3 | 323.2 | 323.1 | 322.9 | 322.5 | 322.1 | 321.7 | 321.3 |
| 142.5° | 335.4 | 335.5 | 335.4 | 335.3 | 335.1 | 334.9 | 334.7 | 334.3 | 333.9 | 333.5 | 333.1 |
| 145°   | 353.2 | 353.2 | 353.0 | 352.8 | 352.5 | 352.3 | 352.1 | 352.0 | 351.8 | 351.6 | 351.5 |
| 147.5° | 369.9 | 369.9 | 369.6 | 369.4 | 369.2 | 368.9 | 368.7 | 368.4 | 368.1 | 367.8 | 367.6 |
| 150°   | 380.2 | 380.2 | 380.0 | 379.9 | 379.7 | 379.5 | 379.4 | 379.2 | 379.1 | 378.9 | 378.7 |
| 152.5° | 389.5 | 389.4 | 389.3 | 389.2 | 389.0 | 389.0 | 388.8 | 388.6 | 388.4 | 388.2 | 387.9 |
| 155°   | 403.1 | 402.8 | 402.7 | 402.7 | 402.6 | 402.5 | 402.4 | 402.4 | 402.4 | 402.4 | 402.4 |
| 157.5° | 414.9 | 414.6 | 414.5 | 414.5 | 414.5 | 414.4 | 414.4 | 414.5 | 414.6 | 414.7 | 414.8 |
| 160°   | 422.2 | 421.8 | 421.8 | 421.8 | 421.8 | 421.8 | 421.9 | 422.1 | 422.2 | 422.4 | 422.6 |
| 162.5° | 429.1 | 428.7 | 428.6 | 428.6 | 428.5 | 428.5 | 428.6 | 428.7 | 429.0 | 429.2 | 429.4 |
| 165°   | 437.8 | 437.3 | 437.3 | 437.3 | 437.3 | 437.3 | 437.4 | 437.6 | 437.8 | 438.1 | 438.3 |
| 167.5° | 444.8 | 444.3 | 444.3 | 444.2 | 444.1 | 444.0 | 444.2 | 444.5 | 444.8 | 445.1 | 445.4 |
| 170°   | 448.6 | 448.1 | 448.1 | 448.1 | 448.1 | 448.1 | 448.2 | 448.5 | 448.9 | 449.2 | 449.5 |
| 172.5° | 451.7 | 451.1 | 451.1 | 451.1 | 451.1 | 451.1 | 451.3 | 451.7 | 452.0 | 452.3 | 452.7 |
| 175°   | 455.0 | 454.5 | 454.5 | 454.5 | 454.5 | 454.5 | 454.6 | 455.0 | 455.3 | 455.6 | 455.9 |
| 177.5° | 456.5 | 456.1 | 456.1 | 456.1 | 456.1 | 456.1 | 456.3 | 456.5 | 456.8 | 457.0 | 457.3 |
| 180°   | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°     | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8 | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  |
| 2.5°   | 712.6 | 715.3 | 718.7 | 723.8 | 727.7 | 731.1 | 731.8  | 732.8  | 735.2  | 739.3  | 742.5  |
| 5°     | 717.3 | 724.3 | 735.5 | 746.4 | 758.3 | 767.9 | 777.1  | 783.5  | 789.5  | 802.2  | 812.5  |
| 7.5°   | 715.8 | 731.3 | 748.9 | 768.6 | 788.4 | 807.6 | 825.5  | 841.5  | 857.4  | 875.9  | 897.1  |
| 10°    | 714.9 | 733.1 | 756.7 | 781.9 | 809.5 | 836.5 | 862.6  | 883.0  | 906.7  | 927.9  | 954.9  |
| 12.5°  | 710.3 | 736.5 | 764.8 | 796.9 | 830.9 | 862.1 | 896.4  | 924.5  | 951.5  | 982.2  | 1013.6 |
| 15°    | 704.3 | 736.1 | 771.9 | 814.7 | 866.3 | 903.9 | 939.1  | 987.9  | 1021.3 | 1054.7 | 1099.6 |
| 17.5°  | 693.2 | 732.1 | 776.9 | 832.4 | 875.5 | 926.1 | 979.0  | 1017.6 | 1062.6 | 1109.6 | 1150.2 |
| 20°    | 684.5 | 729.8 | 779.8 | 834.4 | 889.3 | 944.3 | 995.5  | 1041.6 | 1088.1 | 1142.4 | 1175.8 |
| 22.5°  | 675.8 | 720.5 | 772.5 | 830.5 | 889.5 | 947.4 | 1005.4 | 1059.6 | 1111.8 | 1166.6 | 1209.3 |
| 25°    | 657.2 | 710.3 | 766.8 | 825.9 | 884.2 | 947.8 | 1017.1 | 1077.4 | 1142.1 | 1198.5 | 1238.9 |
| 27.5°  | 638.4 | 687.1 | 743.2 | 803.3 | 868.0 | 943.3 | 1024.7 | 1093.4 | 1158.1 | 1198.5 | 1211.2 |
| 30°    | 621.4 | 673.0 | 724.5 | 785.5 | 855.6 | 939.7 | 1026.2 | 1104.8 | 1157.9 | 1175.4 | 1162.4 |
| 32.5°  | 604.2 | 650.9 | 702.0 | 764.5 | 838.9 | 930.7 | 1028.1 | 1098.0 | 1130.0 | 1116.5 | 1063.3 |
| 35°    | 573.8 | 615.9 | 665.4 | 727.9 | 813.5 | 925.7 | 1020.1 | 1067.5 | 1059.5 | 983.7  | 883.5  |
| 37.5°  | 541.2 | 575.6 | 621.4 | 686.7 | 787.1 | 906.0 | 985.6  | 992.6  | 924.3  | 807.9  | 692.2  |
| 40°    | 515.5 | 546.4 | 593.5 | 661.8 | 766.8 | 886.6 | 950.9  | 922.7  | 816.8  | 687.2  | 590.7  |
| 42.5°  | 490.5 | 516.6 | 561.9 | 635.6 | 747.3 | 860.2 | 899.2  | 837.7  | 715.6  | 593.0  | 505.3  |
| 45°    | 448.1 | 472.7 | 518.2 | 593.8 | 707.6 | 809.5 | 804.4  | 697.6  | 575.3  | 476.7  | 403.9  |
| 47.5°  | 408.0 | 429.4 | 472.2 | 549.3 | 660.9 | 733.6 | 685.4  | 571.8  | 468.0  | 389.0  | 337.0  |
| 50°    | 379.6 | 400.8 | 443.3 | 519.4 | 623.5 | 676.6 | 607.8  | 498.2  | 403.2  | 337.7  | 296.4  |
| 52.5°  | 352.4 | 373.1 | 412.0 | 486.2 | 578.4 | 610.1 | 536.1  | 434.6  | 355.5  | 298.9  | 263.4  |
| 55°    | 314.3 | 330.1 | 365.0 | 436.0 | 504.9 | 512.1 | 437.2  | 352.3  | 287.0  | 247.6  | 223.3  |
| 57.5°  | 275.6 | 289.1 | 323.6 | 380.2 | 428.5 | 424.7 | 353.6  | 280.2  | 236.2  | 206.9  | 189.3  |
| 60°    | 250.3 | 263.6 | 294.0 | 342.5 | 379.0 | 366.2 | 301.0  | 241.9  | 204.2  | 182.7  | 168.7  |
| 62.5°  | 226.8 | 237.2 | 265.6 | 301.0 | 327.3 | 312.8 | 257.3  | 208.3  | 178.5  | 160.3  | 149.2  |
| 65°    | 192.7 | 201.1 | 223.9 | 242.4 | 257.0 | 243.0 | 196.9  | 163.0  | 141.4  | 128.7  | 121.0  |
| 67.5°  | 160.3 | 165.6 | 180.1 | 186.7 | 197.0 | 181.7 | 148.1  | 125.3  | 113.0  | 102.3  | 97.0   |
| 70°    | 139.9 | 143.9 | 151.4 | 156.9 | 159.6 | 143.9 | 118.9  | 102.3  | 92.0   | 84.4   | 81.0   |
| 72.5°  | 119.5 | 122.9 | 124.5 | 129.0 | 127.5 | 112.7 | 95.6   | 82.4   | 74.9   | 69.8   | 65.5   |
| 75°    | 91.3  | 92.8  | 91.3  | 89.5  | 85.6  | 75.3  | 63.5   | 56.7   | 51.3   | 48.9   | 47.4   |
| 77.5°  | 66.5  | 66.1  | 64.0  | 61.2  | 54.4  | 47.9  | 41.6   | 39.3   | 37.0   | 35.6   | 35.2   |
| 80°    | 51.3  | 50.1  | 48.2  | 43.7  | 37.9  | 33.4  | 31.8   | 30.3   | 29.5   | 27.9   | 27.6   |
| 82.5°  | 38.2  | 37.5  | 34.4  | 30.6  | 26.5  | 24.4  | 23.1   | 22.6   | 21.6   | 20.9   | 20.8   |
| 85°    | 20.4  | 19.4  | 16.1  | 13.9  | 13.4  | 12.8  | 12.4   | 12.4   | 11.2   | 10.9   | 10.9   |
| 87.5°  | 6.8   | 5.5   | 5.4   | 4.8   | 5.0   | 4.8   | 5.2    | 4.9    | 4.9    | 5.1    | 4.8    |
| 90°    | 1.2   | 2.0   | 2.8   | 3.6   | 4.4   | 5.5   | 6.6    | 7.6    | 8.6    | 9.0    | 9.3    |
| 92.5°  | 9.3   | 9.7   | 10.3  | 10.9  | 11.4  | 12.0  | 12.6   | 13.2   | 13.8   | 14.0   | 14.3   |
| 95°    | 21.7  | 22.3  | 22.9  | 23.4  | 24.0  | 24.6  | 25.3   | 25.9   | 26.5   | 26.9   | 27.2   |
| 97.5°  | 38.0  | 38.4  | 38.9  | 39.3  | 39.7  | 40.2  | 40.6   | 41.1   | 41.6   | 41.9   | 42.3   |
| 100°   | 49.3  | 49.7  | 50.2  | 50.7  | 51.2  | 51.6  | 52.0   | 52.4   | 52.8   | 53.0   | 53.2   |
| 102.5° | 62.0  | 62.3  | 62.6  | 62.9  | 63.3  | 63.8  | 64.3   | 64.9   | 65.4   | 65.7   | 65.9   |
| 105°   | 81.0  | 81.1  | 81.3  | 81.4  | 81.8  | 82.5  | 83.3   | 84.0   | 84.7   | 84.7   | 84.7   |
| 107.5° | 103.0 | 103.1 | 103.1 | 103.3 | 103.5 | 103.8 | 104.0  | 104.3  | 104.6  | 104.9  | 105.1  |
| 110°   | 116.8 | 117.0 | 117.2 | 117.3 | 117.5 | 117.6 | 117.8  | 118.0  | 118.1  | 118.4  | 118.7  |





TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 131.1 | 131.3 | 131.3 | 131.4 | 131.5 | 131.5 | 131.6 | 131.6 | 131.6 | 132.0 | 132.4 |
| 115°   | 152.8 | 153.0 | 153.3 | 153.5 | 153.6 | 153.4 | 153.3 | 153.1 | 153.0 | 153.0 | 153.1 |
| 117.5° | 174.4 | 174.6 | 174.8 | 174.9 | 174.8 | 174.7 | 174.4 | 174.3 | 174.0 | 174.0 | 174.0 |
| 120°   | 188.2 | 188.7 | 189.2 | 189.6 | 189.7 | 189.3 | 188.9 | 188.5 | 188.1 | 188.1 | 188.0 |
| 122.5° | 202.2 | 202.6 | 202.9 | 203.2 | 203.3 | 203.1 | 202.9 | 202.7 | 202.5 | 202.2 | 202.1 |
| 125°   | 223.6 | 223.8 | 224.0 | 224.3 | 224.3 | 224.1 | 223.9 | 223.8 | 223.6 | 223.3 | 223.0 |
| 127.5° | 243.6 | 244.2 | 244.6 | 245.2 | 245.3 | 245.2 | 244.9 | 244.8 | 244.6 | 244.2 | 243.8 |
| 130°   | 257.0 | 257.6 | 258.3 | 258.9 | 259.0 | 258.8 | 258.6 | 258.3 | 258.1 | 257.8 | 257.5 |
| 132.5° | 270.1 | 270.8 | 271.5 | 272.1 | 272.4 | 272.1 | 272.0 | 271.8 | 271.6 | 271.2 | 270.8 |
| 135°   | 290.2 | 290.7 | 291.1 | 291.6 | 291.8 | 291.8 | 291.7 | 291.6 | 291.5 | 291.2 | 290.9 |
| 137.5° | 308.8 | 309.2 | 309.6 | 310.0 | 310.3 | 310.5 | 310.7 | 310.9 | 311.1 | 310.8 | 310.5 |
| 140°   | 321.7 | 322.1 | 322.5 | 322.9 | 323.1 | 323.2 | 323.3 | 323.4 | 323.4 | 323.4 | 323.3 |
| 142.5° | 333.5 | 333.9 | 334.3 | 334.7 | 334.9 | 335.1 | 335.3 | 335.4 | 335.5 | 335.4 | 335.3 |
| 145°   | 351.6 | 351.8 | 352.0 | 352.1 | 352.3 | 352.5 | 352.8 | 353.0 | 353.2 | 353.2 | 353.1 |
| 147.5° | 367.8 | 368.1 | 368.4 | 368.7 | 368.9 | 369.2 | 369.4 | 369.6 | 369.9 | 369.9 | 369.9 |
| 150°   | 378.9 | 379.1 | 379.2 | 379.4 | 379.5 | 379.7 | 379.9 | 380.0 | 380.2 | 380.2 | 380.2 |
| 152.5° | 388.2 | 388.4 | 388.6 | 388.8 | 389.0 | 389.0 | 389.2 | 389.3 | 389.4 | 389.5 | 389.6 |
| 155°   | 402.4 | 402.4 | 402.4 | 402.4 | 402.5 | 402.6 | 402.7 | 402.7 | 402.8 | 403.1 | 403.5 |
| 157.5° | 414.7 | 414.6 | 414.5 | 414.4 | 414.4 | 414.5 | 414.5 | 414.5 | 414.6 | 414.9 | 415.3 |
| 160°   | 422.4 | 422.2 | 422.1 | 421.9 | 421.8 | 421.8 | 421.8 | 421.8 | 421.8 | 422.2 | 422.6 |
| 162.5° | 429.2 | 429.0 | 428.7 | 428.6 | 428.5 | 428.5 | 428.6 | 428.6 | 428.7 | 429.1 | 429.5 |
| 165°   | 438.1 | 437.8 | 437.6 | 437.4 | 437.3 | 437.3 | 437.3 | 437.3 | 437.3 | 437.8 | 438.2 |
| 167.5° | 445.1 | 444.8 | 444.5 | 444.2 | 444.0 | 444.1 | 444.2 | 444.3 | 444.3 | 444.8 | 445.3 |
| 170°   | 449.2 | 448.9 | 448.5 | 448.2 | 448.1 | 448.1 | 448.1 | 448.1 | 448.1 | 448.6 | 449.2 |
| 172.5° | 452.3 | 452.0 | 451.7 | 451.3 | 451.1 | 451.1 | 451.1 | 451.1 | 451.1 | 451.7 | 452.2 |
| 175°   | 455.6 | 455.3 | 455.0 | 454.6 | 454.5 | 454.5 | 454.5 | 454.5 | 454.5 | 455.0 | 455.4 |
| 177.5° | 457.0 | 456.8 | 456.5 | 456.3 | 456.1 | 456.1 | 456.1 | 456.1 | 456.1 | 456.5 | 456.9 |
| 180°   | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  | 708.8  |
| 2.5°   | 747.7  | 747.7  | 748.6  | 752.3  | 752.7  | 755.9  | 754.9  |
| 5°     | 821.7  | 827.4  | 829.6  | 838.7  | 844.1  | 846.5  | 841.7  |
| 7.5°   | 912.2  | 928.4  | 936.2  | 945.7  | 954.1  | 956.7  | 950.1  |
| 10°    | 978.3  | 995.2  | 1009.5 | 1018.3 | 1026.5 | 1031.9 | 1038.9 |
| 12.5°  | 1042.0 | 1063.0 | 1076.5 | 1088.9 | 1097.3 | 1104.3 | 1105.4 |
| 15°    | 1111.4 | 1143.0 | 1167.0 | 1184.6 | 1193.3 | 1197.9 | 1196.1 |
| 17.5°  | 1181.4 | 1210.6 | 1227.7 | 1245.6 | 1257.8 | 1258.5 | 1258.9 |
| 20°    | 1221.0 | 1249.5 | 1269.2 | 1282.5 | 1296.2 | 1295.6 | 1298.6 |
| 22.5°  | 1247.4 | 1269.9 | 1285.0 | 1294.7 | 1299.3 | 1297.0 | 1297.7 |
| 25°    | 1259.8 | 1266.5 | 1263.8 | 1248.2 | 1244.4 | 1230.1 | 1232.5 |
| 27.5°  | 1196.0 | 1164.4 | 1131.8 | 1089.7 | 1056.6 | 1030.2 | 1031.5 |
| 30°    | 1109.3 | 1053.4 | 989.8  | 936.4  | 888.4  | 875.0  | 846.5  |
| 32.5°  | 988.2  | 904.4  | 829.8  | 780.1  | 738.9  | 727.7  | 702.8  |
| 35°    | 782.8  | 701.5  | 624.7  | 578.6  | 560.4  | 535.0  | 534.6  |
| 37.5°  | 608.5  | 536.9  | 496.3  | 461.7  | 443.5  | 428.1  | 426.6  |
| 40°    | 511.9  | 456.1  | 425.4  | 400.5  | 382.6  | 371.1  | 368.4  |
| 42.5°  | 444.4  | 399.3  | 370.5  | 355.1  | 341.4  | 335.4  | 331.0  |
| 45°    | 362.9  | 332.6  | 312.5  | 298.6  | 292.2  | 287.6  | 285.2  |
| 47.5°  | 303.6  | 283.2  | 269.6  | 260.3  | 255.1  | 250.3  | 251.6  |
| 50°    | 271.2  | 254.6  | 244.5  | 235.8  | 231.8  | 228.5  | 228.8  |
| 52.5°  | 245.3  | 230.3  | 222.2  | 215.9  | 211.0  | 208.6  | 207.4  |
| 55°    | 208.2  | 198.8  | 190.5  | 186.0  | 183.2  | 179.9  | 179.0  |
| 57.5°  | 177.5  | 170.2  | 163.6  | 158.4  | 157.8  | 154.6  | 155.0  |
| 60°    | 157.2  | 151.1  | 145.6  | 142.9  | 140.8  | 138.1  | 138.9  |
| 62.5°  | 140.5  | 135.3  | 130.3  | 128.1  | 126.0  | 124.0  | 124.4  |
| 65°    | 115.0  | 110.1  | 107.1  | 105.9  | 105.0  | 104.1  | 103.1  |
| 67.5°  | 91.7   | 88.6   | 86.7   | 84.1   | 82.3   | 82.0   | 81.0   |
| 70°    | 77.1   | 73.1   | 69.8   | 66.5   | 65.5   | 65.2   | 65.5   |
| 72.5°  | 61.8   | 59.3   | 58.4   | 56.7   | 56.6   | 55.8   | 56.3   |
| 75°    | 46.4   | 45.6   | 44.9   | 43.7   | 43.7   | 43.7   | 43.7   |
| 77.5°  | 34.2   | 33.7   | 33.4   | 33.0   | 32.8   | 32.3   | 32.3   |
| 80°    | 26.7   | 26.4   | 25.8   | 25.8   | 25.5   | 25.8   | 25.5   |
| 82.5°  | 20.1   | 20.1   | 19.5   | 19.5   | 19.2   | 19.0   | 19.2   |
| 85°    | 10.3   | 10.0   | 10.6   | 10.0   | 10.3   | 9.7    | 10.3   |
| 87.5°  | 4.8    | 4.9    | 4.7    | 4.8    | 4.5    | 5.1    | 4.6    |
| 90°    | 9.6    | 9.9    | 10.1   | 10.3   | 10.5   | 10.6   | 10.8   |
| 92.5°  | 14.6   | 14.8   | 14.9   | 14.8   | 14.7   | 14.6   | 14.5   |
| 95°    | 27.5   | 27.8   | 28.0   | 28.0   | 28.0   | 28.0   | 28.0   |
| 97.5°  | 42.7   | 43.0   | 43.2   | 43.2   | 43.2   | 43.1   | 43.1   |
| 100°   | 53.5   | 53.7   | 53.9   | 54.1   | 54.3   | 54.4   | 54.6   |
| 102.5° | 66.1   | 66.4   | 66.5   | 66.5   | 66.4   | 66.4   | 66.3   |
| 105°   | 84.7   | 84.7   | 84.8   | 85.0   | 85.2   | 85.3   | 85.5   |
| 107.5° | 105.4  | 105.6  | 105.7  | 105.6  | 105.5  | 105.4  | 105.4  |
| 110°   | 119.1  | 119.4  | 119.5  | 119.3  | 119.1  | 119.0  | 118.8  |



TEST NUMBER: P332411-927

CATALOG NUMBER: S123RDIW-S560D460U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.8 | 133.2 | 133.3 | 133.2 | 133.2 | 133.2 | 133.2 |
| 115°   | 153.2 | 153.3 | 153.3 | 153.2 | 153.1 | 153.0 | 153.0 |
| 117.5° | 174.0 | 174.0 | 173.9 | 173.6 | 173.4 | 173.2 | 172.9 |
| 120°   | 187.9 | 187.8 | 187.7 | 187.5 | 187.4 | 187.2 | 187.0 |
| 122.5° | 201.8 | 201.6 | 201.5 | 201.2 | 201.0 | 200.7 | 200.5 |
| 125°   | 222.7 | 222.4 | 222.0 | 221.7 | 221.4 | 221.1 | 220.8 |
| 127.5° | 243.3 | 242.8 | 242.4 | 242.1 | 241.7 | 241.3 | 241.0 |
| 130°   | 257.1 | 256.8 | 256.4 | 255.9 | 255.3 | 254.8 | 254.1 |
| 132.5° | 270.5 | 270.1 | 269.7 | 269.3 | 268.8 | 268.4 | 267.9 |
| 135°   | 290.6 | 290.3 | 290.0 | 289.9 | 289.7 | 289.5 | 289.4 |
| 137.5° | 310.1 | 309.7 | 309.4 | 309.1 | 308.9 | 308.6 | 308.2 |
| 140°   | 323.2 | 323.1 | 322.8 | 322.3 | 321.7 | 321.2 | 320.6 |
| 142.5° | 335.3 | 335.2 | 334.9 | 334.5 | 334.1 | 333.7 | 333.2 |
| 145°   | 353.0 | 352.9 | 352.8 | 352.4 | 352.1 | 351.8 | 351.5 |
| 147.5° | 369.9 | 369.9 | 369.6 | 369.2 | 368.6 | 368.1 | 367.7 |
| 150°   | 380.2 | 380.2 | 379.9 | 379.5 | 379.0 | 378.5 | 378.0 |
| 152.5° | 389.8 | 389.9 | 389.8 | 389.4 | 388.9 | 388.5 | 388.1 |
| 155°   | 403.8 | 404.1 | 403.9 | 403.4 | 402.8 | 402.3 | 401.7 |
| 157.5° | 415.7 | 416.0 | 415.9 | 415.5 | 415.0 | 414.5 | 414.2 |
| 160°   | 423.0 | 423.4 | 423.4 | 423.1 | 422.8 | 422.5 | 422.2 |
| 162.5° | 429.9 | 430.3 | 430.2 | 429.8 | 429.2 | 428.7 | 428.2 |
| 165°   | 438.7 | 439.2 | 439.1 | 438.6 | 438.0 | 437.4 | 436.9 |
| 167.5° | 445.8 | 446.2 | 446.2 | 445.8 | 445.3 | 444.8 | 444.3 |
| 170°   | 449.7 | 450.3 | 450.3 | 449.7 | 449.2 | 448.6 | 448.1 |
| 172.5° | 452.7 | 453.1 | 453.1 | 452.6 | 452.0 | 451.5 | 450.9 |
| 175°   | 455.9 | 456.4 | 456.4 | 455.8 | 455.3 | 454.7 | 454.2 |
| 177.5° | 457.3 | 457.6 | 457.6 | 457.2 | 456.8 | 456.3 | 455.8 |
| 180°   | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 | 457.0 |

(END OF REPORT)