

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: FAIL-SAFE

Report Number: P231933

Luminaire Tested: **FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231933  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-10)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
2FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (84) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

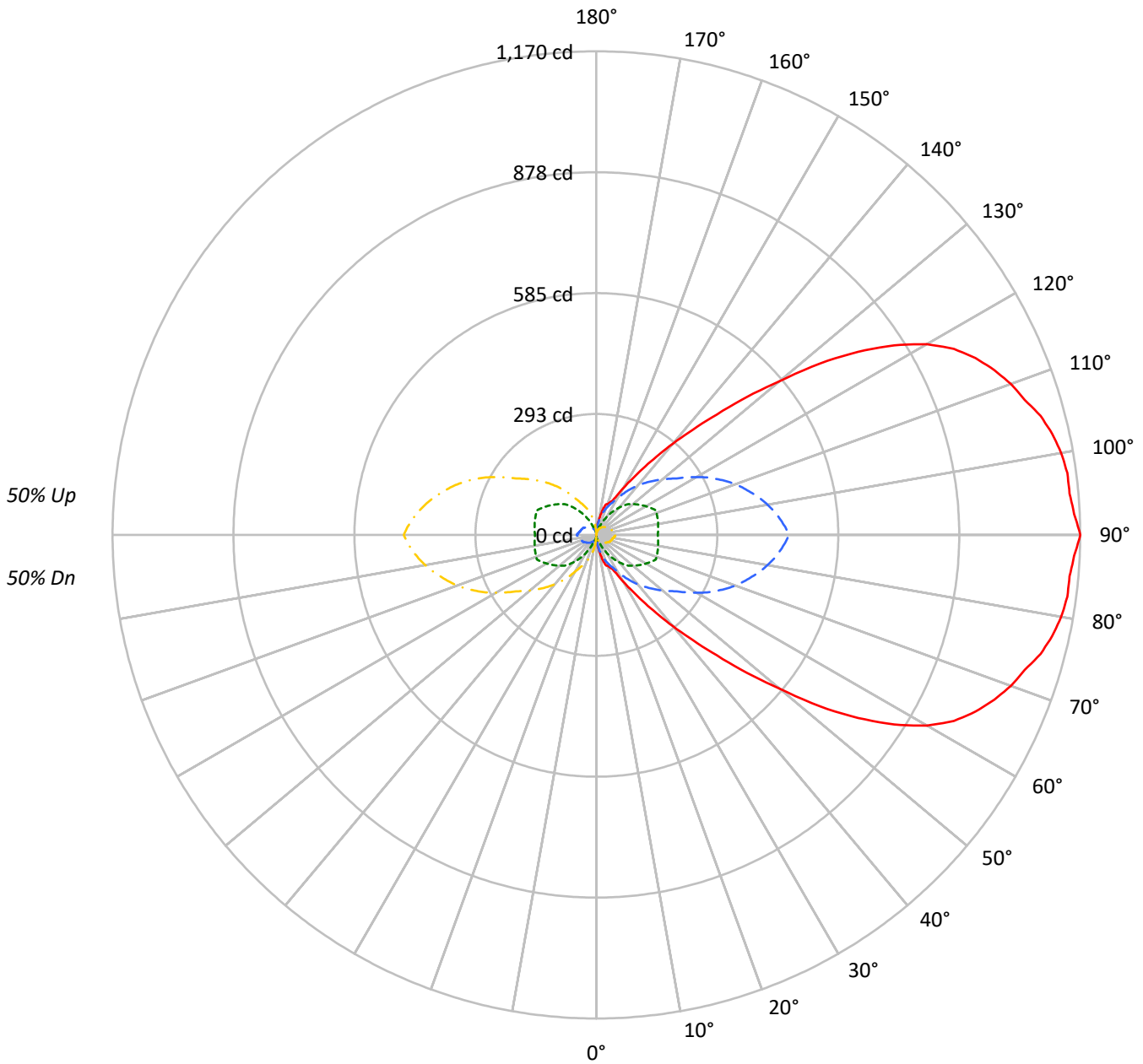
Lumens per Lamp: N/A  
Luminaire Lumens: 2586.8 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 24.1  
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: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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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   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1   | 91  | 83  | 77  | 71  | 83 | 76 | 70 | 65 | 63 | 58 | 54 | 50 | 47 | 43 | 39 | 36 | 33 | 28 |
| 2   | 80  | 69  | 60  | 52  | 72 | 63 | 55 | 48 | 51 | 45 | 39 | 40 | 35 | 31 | 30 | 26 | 23 | 18 |
| 3   | 71  | 58  | 49  | 41  | 64 | 53 | 44 | 37 | 43 | 36 | 30 | 33 | 28 | 23 | 24 | 20 | 17 | 12 |
| 4   | 64  | 50  | 40  | 32  | 58 | 46 | 37 | 30 | 37 | 29 | 24 | 28 | 23 | 18 | 21 | 16 | 13 | 9  |
| 5   | 58  | 44  | 34  | 27  | 53 | 40 | 31 | 24 | 32 | 25 | 19 | 25 | 19 | 15 | 18 | 14 | 10 | 6  |
| 6   | 53  | 39  | 29  | 22  | 48 | 35 | 26 | 20 | 28 | 21 | 16 | 22 | 16 | 12 | 16 | 11 | 8  | 5  |
| 7   | 49  | 35  | 25  | 19  | 44 | 31 | 23 | 17 | 25 | 19 | 14 | 20 | 14 | 10 | 14 | 10 | 7  | 4  |
| 8   | 45  | 31  | 22  | 16  | 41 | 28 | 20 | 15 | 23 | 16 | 12 | 18 | 12 | 9  | 13 | 9  | 6  | 3  |
| 9   | 42  | 28  | 20  | 14  | 38 | 26 | 18 | 13 | 21 | 14 | 10 | 16 | 11 | 7  | 12 | 8  | 5  | 2  |
| 10  | 39  | 26  | 18  | 12  | 35 | 23 | 16 | 11 | 19 | 13 | 9  | 15 | 10 | 6  | 11 | 7  | 4  | 2  |

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

|     | 0°    | 90°   | 180° | 270°  |
|-----|-------|-------|------|-------|
| 0°  | 0     | 0     | 0    | 0     |
| 5°  | 472   | 157   | 0    | 157   |
| 10° | 931   | 316   | 0    | 316   |
| 15° | 1443  | 475   | 0    | 475   |
| 20° | 1573  | 641   | 0    | 641   |
| 25° | 1698  | 1010  | 0    | 1010  |
| 30° | 2309  | 1606  | 0    | 1606  |
| 35° | 3294  | 2255  | 0    | 2255  |
| 40° | 4701  | 2979  | 0    | 2979  |
| 45° | 6546  | 3806  | 10   | 3806  |
| 50° | 9017  | 4522  | 9    | 4522  |
| 55° | 11926 | 5388  | 9    | 5388  |
| 60° | 14222 | 6474  | 9    | 6474  |
| 65° | 15675 | 7871  | 9    | 7871  |
| 70° | 16747 | 9362  | 9    | 9362  |
| 75° | 17823 | 11022 | 10   | 11022 |
| 80° | 18836 | 13586 | 0    | 13586 |
| 85° | 19687 | 18001 | 0    | 18001 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.1    | 0.0       |
| 10°-20°   | 8.4    | 0.3       |
| 20°-30°   | 22.5   | 0.9       |
| 30°-40°   | 51.4   | 2.0       |
| 40°-50°   | 100.2  | 3.9       |
| 50°-60°   | 178.3  | 6.9       |
| 60°-70°   | 262.3  | 10.1      |
| 70°-80°   | 319.7  | 12.4      |
| 80°-90°   | 349.5  | 13.5      |
| 90°-100°  | 349.5  | 13.5      |
| 100°-110° | 319.7  | 12.4      |
| 110°-120° | 262.3  | 10.1      |
| 120°-130° | 178.3  | 6.9       |
| 130°-140° | 100.2  | 3.9       |
| 140°-150° | 51.4   | 2.0       |
| 150°-160° | 22.5   | 0.9       |
| 160°-170° | 8.4    | 0.3       |
| 170°-180° | 1.1    | 0.0       |
| 0°-30°    | 32.0   | 1.2       |
| 0°-40°    | 83.4   | 3.2       |
| 0°-60°    | 361.9  | 14.0      |
| 0°-90°    | 1293.4 | 50.0      |
| 90°-120°  | 931.5  | 36.0      |
| 90°-150°  | 1261.4 | 48.8      |
| 90°-180°  | 1293.0 | 50.0      |
| 0°-180°   | 2586.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0°   | 0    | 0   | 0    | 0    | 0    |      |
| 5°   | 18   | 5   | 0    | 5    | 18   | 2    |
| 15°  | 67   | 16  | 0    | 16   | 67   | 19   |
| 25°  | 91   | 33  | 0    | 33   | 91   | 45   |
| 35°  | 195  | 69  | 0    | 69   | 195  | 128  |
| 45°  | 412  | 104 | 1    | 104  | 412  | 329  |
| 55°  | 772  | 127 | 1    | 127  | 772  | 689  |
| 65°  | 1012 | 150 | 1    | 150  | 1012 | 999  |
| 75°  | 1112 | 153 | 1    | 153  | 1112 | 1172 |
| 85°  | 1149 | 150 | 0    | 150  | 1149 | 938  |
| 90°  | 1170 | 148 | 0    | 148  | 1170 | 638  |
| 95°  | 1149 | 150 | 0    | 150  | 1149 | 938  |
| 105° | 1112 | 153 | 1    | 153  | 1112 | 1172 |
| 115° | 1012 | 150 | 1    | 150  | 1012 | 999  |
| 125° | 772  | 127 | 1    | 127  | 772  | 689  |
| 135° | 412  | 104 | 1    | 104  | 412  | 329  |
| 145° | 195  | 69  | 0    | 69   | 195  | 128  |
| 155° | 91   | 33  | 0    | 33   | 91   | 45   |
| 165° | 67   | 16  | 0    | 16   | 67   | 19   |
| 175° | 18   | 5   | 0    | 5    | 18   | 2    |
| 180° | 0    | 0   | 0    | 0    | 0    |      |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°   | 17.5° | 20°   | 22.5° | 25°   |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5°   | 7.8    | 7.9    | 8.0    | 8.1    | 8.3    | 8.4    | 8.5   | 8.2   | 8.2   | 8.2   | 8.2   |
| 5°     | 18.0   | 18.2   | 18.5   | 18.7   | 18.9   | 18.6   | 18.7  | 18.6  | 18.6  | 18.4  | 18.3  |
| 7.5°   | 28.8   | 29.1   | 29.4   | 29.7   | 29.5   | 29.6   | 29.5  | 29.5  | 29.3  | 29.1  | 28.8  |
| 10°    | 39.6   | 40.0   | 40.4   | 40.7   | 40.5   | 40.5   | 40.4  | 40.2  | 40.0  | 39.7  | 39.3  |
| 12.5°  | 52.3   | 52.7   | 53.0   | 52.9   | 52.8   | 52.7   | 52.4  | 52.0  | 51.6  | 51.0  | 50.3  |
| 15°    | 67.3   | 67.5   | 67.7   | 67.2   | 66.8   | 66.3   | 65.7  | 65.0  | 64.1  | 63.1  | 62.0  |
| 17.5°  | 77.5   | 77.8   | 78.0   | 77.7   | 77.5   | 77.1   | 76.6  | 75.9  | 75.1  | 74.2  | 73.1  |
| 20°    | 79.3   | 80.1   | 80.8   | 81.3   | 81.8   | 82.2   | 82.5  | 82.6  | 82.6  | 82.3  | 81.9  |
| 22.5°  | 84.7   | 86.0   | 87.2   | 88.0   | 88.7   | 89.3   | 89.7  | 89.8  | 89.7  | 89.3  | 88.6  |
| 25°    | 91.3   | 93.2   | 94.7   | 96.2   | 97.4   | 98.3   | 99.0  | 99.4  | 99.4  | 99.1  | 98.5  |
| 27.5°  | 105.7  | 107.7  | 109.0  | 110.2  | 111.0  | 111.6  | 111.8 | 111.8 | 111.4 | 110.7 | 110.0 |
| 30°    | 131.0  | 132.6  | 133.0  | 133.2  | 132.8  | 132.0  | 130.7 | 129.1 | 127.1 | 124.8 | 123.7 |
| 32.5°  | 158.6  | 159.8  | 159.5  | 158.9  | 157.7  | 156.0  | 153.7 | 150.9 | 147.8 | 144.5 | 141.3 |
| 35°    | 195.2  | 195.6  | 193.8  | 191.7  | 188.7  | 184.9  | 180.5 | 175.5 | 170.0 | 165.4 | 160.8 |
| 37.5°  | 237.9  | 237.4  | 234.1  | 230.4  | 225.5  | 219.6  | 212.8 | 205.1 | 197.1 | 190.0 | 182.7 |
| 40°    | 288.4  | 287.2  | 282.3  | 276.8  | 269.6  | 261.0  | 251.0 | 239.8 | 228.8 | 218.6 | 207.8 |
| 42.5°  | 344.8  | 342.7  | 336.3  | 328.9  | 319.6  | 308.6  | 295.9 | 281.7 | 267.5 | 252.6 | 236.7 |
| 45°    | 412.1  | 409.2  | 400.5  | 390.6  | 378.2  | 363.4  | 346.3 | 329.6 | 310.4 | 291.7 | 272.8 |
| 47.5°  | 494.4  | 490.0  | 478.1  | 464.6  | 448.0  | 428.3  | 406.0 | 382.8 | 359.7 | 335.0 | 313.4 |
| 50°    | 577.9  | 573.9  | 561.2  | 546.2  | 526.7  | 503.0  | 475.0 | 446.2 | 416.4 | 386.1 | 359.2 |
| 52.5°  | 681.9  | 677.5  | 661.3  | 642.4  | 618.1  | 588.5  | 554.1 | 519.7 | 481.3 | 443.6 | 409.2 |
| 55°    | 772.0  | 763.7  | 745.2  | 725.3  | 702.0  | 676.3  | 646.0 | 602.4 | 553.0 | 507.0 | 462.5 |
| 57.5°  | 853.7  | 841.1  | 818.5  | 794.8  | 768.2  | 739.5  | 708.3 | 671.2 | 630.2 | 572.2 | 518.5 |
| 60°    | 922.8  | 906.2  | 880.2  | 853.3  | 824.0  | 792.9  | 760.0 | 724.8 | 683.1 | 631.8 | 574.6 |
| 62.5°  | 974.4  | 952.4  | 926.7  | 898.3  | 867.8  | 836.2  | 804.4 | 771.3 | 731.4 | 686.6 | 626.1 |
| 65°    | 1011.7 | 990.4  | 965.3  | 936.1  | 902.7  | 870.1  | 840.0 | 807.5 | 770.4 | 728.2 | 677.4 |
| 67.5°  | 1041.7 | 1021.9 | 998.3  | 970.3  | 937.9  | 905.1  | 870.4 | 835.5 | 799.7 | 760.0 | 714.7 |
| 70°    | 1066.9 | 1050.0 | 1028.7 | 1002.1 | 970.2  | 935.1  | 898.1 | 860.1 | 822.2 | 784.8 | 743.9 |
| 72.5°  | 1086.2 | 1073.3 | 1055.7 | 1032.1 | 1000.3 | 961.2  | 921.4 | 880.3 | 842.9 | 806.1 | 767.9 |
| 75°    | 1112.0 | 1100.9 | 1084.2 | 1057.0 | 1020.7 | 982.5  | 940.8 | 901.2 | 862.3 | 823.5 | 784.8 |
| 77.5°  | 1129.4 | 1123.2 | 1110.6 | 1078.6 | 1039.5 | 997.3  | 959.8 | 919.9 | 878.7 | 837.9 | 796.8 |
| 80°    | 1141.4 | 1137.4 | 1125.4 | 1095.3 | 1054.0 | 1013.7 | 973.3 | 935.4 | 890.7 | 848.7 | 806.0 |
| 82.5°  | 1148.6 | 1147.8 | 1138.1 | 1112.2 | 1067.8 | 1024.7 | 981.9 | 940.9 | 899.4 | 857.8 | 816.9 |
| 85°    | 1148.6 | 1156.0 | 1152.4 | 1119.6 | 1074.7 | 1029.6 | 989.1 | 949.1 | 907.0 | 864.1 | 823.7 |
| 87.5°  | 1156.4 | 1161.9 | 1147.8 | 1123.9 | 1080.4 | 1038.5 | 995.8 | 954.7 | 909.4 | 865.9 | 826.2 |
| 90°    | 1170.3 | 1161.9 | 1143.2 | 1124.6 | 1081.4 | 1039.3 | 996.0 | 955.2 | 906.5 | 863.3 | 824.8 |
| 92.5°  | 1156.4 | 1161.9 | 1147.8 | 1123.9 | 1080.4 | 1038.5 | 995.8 | 954.7 | 909.4 | 865.9 | 826.2 |
| 95°    | 1148.6 | 1156.0 | 1152.4 | 1119.6 | 1074.7 | 1029.6 | 989.1 | 949.1 | 907.0 | 864.1 | 823.7 |
| 97.5°  | 1148.6 | 1147.8 | 1138.1 | 1112.2 | 1067.8 | 1024.7 | 981.9 | 940.9 | 899.4 | 857.8 | 816.9 |
| 100°   | 1141.4 | 1137.4 | 1125.4 | 1095.3 | 1054.0 | 1013.7 | 973.3 | 935.4 | 890.7 | 848.7 | 806.0 |
| 102.5° | 1129.4 | 1123.2 | 1110.6 | 1078.6 | 1039.5 | 997.3  | 959.8 | 919.9 | 878.7 | 837.9 | 796.8 |
| 105°   | 1112.0 | 1100.9 | 1084.2 | 1057.0 | 1020.7 | 982.5  | 940.8 | 901.2 | 862.3 | 823.5 | 784.8 |
| 107.5° | 1086.2 | 1073.3 | 1055.7 | 1032.1 | 1000.3 | 961.2  | 921.4 | 880.3 | 842.9 | 806.1 | 767.9 |
| 110°   | 1066.9 | 1050.0 | 1028.7 | 1002.1 | 970.2  | 935.1  | 898.1 | 860.1 | 822.2 | 784.8 | 743.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 2.5°   | 5°    | 7.5°  | 10°   | 12.5° | 15°   | 17.5° | 20°   | 22.5° | 25°   |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 1041.7 | 1021.9 | 998.3 | 970.3 | 937.9 | 905.1 | 870.4 | 835.5 | 799.7 | 760.0 | 714.7 |
| 115°   | 1011.7 | 990.4  | 965.3 | 936.1 | 902.7 | 870.1 | 840.0 | 807.5 | 770.4 | 728.2 | 677.4 |
| 117.5° | 974.4  | 952.4  | 926.7 | 898.3 | 867.8 | 836.2 | 804.4 | 771.3 | 731.4 | 686.6 | 626.1 |
| 120°   | 922.8  | 906.2  | 880.2 | 853.3 | 824.0 | 792.9 | 760.0 | 724.8 | 683.1 | 631.8 | 574.6 |
| 122.5° | 853.7  | 841.1  | 818.5 | 794.8 | 768.2 | 739.5 | 708.3 | 671.2 | 630.2 | 572.2 | 518.5 |
| 125°   | 772.0  | 763.7  | 745.2 | 725.3 | 702.0 | 676.3 | 646.0 | 602.4 | 553.0 | 507.0 | 462.5 |
| 127.5° | 681.9  | 677.5  | 661.3 | 642.4 | 618.1 | 588.5 | 554.1 | 519.7 | 481.3 | 443.6 | 409.2 |
| 130°   | 577.9  | 573.9  | 561.2 | 546.2 | 526.7 | 503.0 | 475.0 | 446.2 | 416.4 | 386.1 | 359.2 |
| 132.5° | 494.4  | 490.0  | 478.1 | 464.6 | 448.0 | 428.3 | 406.0 | 382.8 | 359.7 | 335.0 | 313.4 |
| 135°   | 412.1  | 409.2  | 400.5 | 390.6 | 378.2 | 363.4 | 346.3 | 329.6 | 310.4 | 291.7 | 272.8 |
| 137.5° | 344.8  | 342.7  | 336.3 | 328.9 | 319.6 | 308.6 | 295.9 | 281.7 | 267.5 | 252.6 | 236.7 |
| 140°   | 288.4  | 287.2  | 282.3 | 276.8 | 269.6 | 261.0 | 251.0 | 239.8 | 228.8 | 218.6 | 207.8 |
| 142.5° | 237.9  | 237.4  | 234.1 | 230.4 | 225.5 | 219.6 | 212.8 | 205.1 | 197.1 | 190.0 | 182.7 |
| 145°   | 195.2  | 195.6  | 193.8 | 191.7 | 188.7 | 184.9 | 180.5 | 175.5 | 170.0 | 165.4 | 160.8 |
| 147.5° | 158.6  | 159.8  | 159.5 | 158.9 | 157.7 | 156.0 | 153.7 | 150.9 | 147.8 | 144.5 | 141.3 |
| 150°   | 131.0  | 132.6  | 133.0 | 133.2 | 132.8 | 132.0 | 130.7 | 129.1 | 127.1 | 124.8 | 123.7 |
| 152.5° | 105.7  | 107.7  | 109.0 | 110.2 | 111.0 | 111.6 | 111.8 | 111.8 | 111.4 | 110.7 | 110.0 |
| 155°   | 91.3   | 93.2   | 94.7  | 96.2  | 97.4  | 98.3  | 99.0  | 99.4  | 99.4  | 99.1  | 98.5  |
| 157.5° | 84.7   | 86.0   | 87.2  | 88.0  | 88.7  | 89.3  | 89.7  | 89.8  | 89.7  | 89.3  | 88.6  |
| 160°   | 79.3   | 80.1   | 80.8  | 81.3  | 81.8  | 82.2  | 82.5  | 82.6  | 82.6  | 82.3  | 81.9  |
| 162.5° | 77.5   | 77.8   | 78.0  | 77.7  | 77.5  | 77.1  | 76.6  | 75.9  | 75.1  | 74.2  | 73.1  |
| 165°   | 67.3   | 67.5   | 67.7  | 67.2  | 66.8  | 66.3  | 65.7  | 65.0  | 64.1  | 63.1  | 62.0  |
| 167.5° | 52.3   | 52.7   | 53.0  | 52.9  | 52.8  | 52.7  | 52.4  | 52.0  | 51.6  | 51.0  | 50.3  |
| 170°   | 39.6   | 40.0   | 40.4  | 40.7  | 40.5  | 40.5  | 40.4  | 40.2  | 40.0  | 39.7  | 39.3  |
| 172.5° | 28.8   | 29.1   | 29.4  | 29.7  | 29.5  | 29.6  | 29.5  | 29.5  | 29.3  | 29.1  | 28.8  |
| 175°   | 18.0   | 18.2   | 18.5  | 18.7  | 18.9  | 18.6  | 18.7  | 18.6  | 18.6  | 18.4  | 18.3  |
| 177.5° | 7.8    | 7.9    | 8.0   | 8.1   | 8.3   | 8.4   | 8.5   | 8.2   | 8.2   | 8.2   | 8.2   |
| 180°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|        | 27.5° | 30°   | 32.5° | 35°   | 37.5° | 40°   | 42.5° | 45°   | 47.5° | 50°   | 52.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5°   | 8.1   | 8.1   | 8.0   | 7.9   | 7.8   | 7.7   | 7.5   | 7.4   | 7.2   | 7.0   | 6.8   |
| 5°     | 18.1  | 17.9  | 17.6  | 17.3  | 17.0  | 16.6  | 16.2  | 15.7  | 15.2  | 14.7  | 14.1  |
| 7.5°   | 28.5  | 28.1  | 27.7  | 27.2  | 26.7  | 26.1  | 25.5  | 24.8  | 24.0  | 23.2  | 22.4  |
| 10°    | 38.8  | 38.3  | 37.7  | 37.0  | 36.3  | 35.5  | 34.6  | 33.7  | 32.7  | 31.7  | 30.6  |
| 12.5°  | 49.6  | 48.7  | 47.8  | 46.8  | 45.7  | 44.7  | 43.6  | 42.4  | 41.2  | 39.8  | 38.4  |
| 15°    | 60.9  | 59.6  | 58.3  | 57.0  | 55.6  | 54.2  | 52.7  | 51.1  | 49.5  | 47.9  | 46.2  |
| 17.5°  | 71.9  | 70.6  | 68.9  | 67.2  | 65.4  | 63.5  | 61.7  | 59.8  | 57.8  | 55.9  | 53.8  |
| 20°    | 81.2  | 79.9  | 78.3  | 76.4  | 74.4  | 72.3  | 70.1  | 67.9  | 65.7  | 63.5  | 61.2  |
| 22.5°  | 87.8  | 87.1  | 86.0  | 84.7  | 83.0  | 80.7  | 78.2  | 75.5  | 72.7  | 70.2  | 67.8  |
| 25°    | 97.6  | 96.4  | 94.8  | 92.8  | 90.9  | 88.7  | 86.2  | 83.3  | 80.2  | 76.9  | 73.8  |
| 27.5°  | 109.1 | 107.8 | 106.0 | 103.8 | 101.2 | 98.3  | 95.3  | 91.7  | 88.0  | 84.0  | 80.2  |
| 30°    | 122.3 | 120.6 | 119.0 | 116.3 | 113.3 | 109.8 | 106.0 | 101.7 | 98.0  | 95.1  | 92.2  |
| 32.5°  | 137.9 | 134.3 | 131.7 | 129.2 | 126.5 | 122.9 | 119.1 | 115.3 | 111.6 | 107.7 | 104.5 |
| 35°    | 155.9 | 151.1 | 146.8 | 142.5 | 139.1 | 136.5 | 133.5 | 129.3 | 124.9 | 120.7 | 116.5 |
| 37.5°  | 175.1 | 168.9 | 163.0 | 158.7 | 154.2 | 150.1 | 146.4 | 142.7 | 138.3 | 133.4 | 128.6 |
| 40°    | 197.3 | 188.9 | 181.7 | 175.7 | 170.2 | 164.9 | 160.1 | 155.5 | 151.0 | 146.0 | 140.5 |
| 42.5°  | 223.7 | 213.1 | 203.0 | 194.9 | 187.3 | 180.4 | 174.0 | 168.8 | 163.4 | 158.1 | 152.4 |
| 45°    | 256.7 | 240.1 | 227.1 | 215.3 | 205.4 | 196.3 | 188.9 | 181.8 | 176.1 | 170.2 | 164.0 |
| 47.5°  | 293.0 | 272.8 | 254.4 | 237.3 | 224.7 | 213.4 | 203.7 | 195.7 | 188.2 | 182.1 | 175.7 |
| 50°    | 331.6 | 307.4 | 284.2 | 263.6 | 244.8 | 231.0 | 219.3 | 209.2 | 201.0 | 193.6 | 187.2 |
| 52.5°  | 375.1 | 344.7 | 315.9 | 290.8 | 268.4 | 248.7 | 234.8 | 223.3 | 213.7 | 205.0 | 203.1 |
| 55°    | 422.3 | 383.9 | 350.4 | 318.9 | 292.4 | 269.3 | 249.6 | 237.6 | 231.3 | 227.4 | 226.2 |
| 57.5°  | 470.6 | 425.9 | 385.1 | 349.3 | 316.9 | 290.1 | 271.8 | 259.0 | 251.5 | 248.0 | 247.5 |
| 60°    | 517.8 | 467.5 | 421.1 | 378.7 | 345.8 | 318.2 | 295.8 | 279.5 | 270.9 | 267.0 | 267.1 |
| 62.5°  | 562.7 | 505.6 | 457.1 | 414.7 | 376.2 | 344.5 | 319.9 | 301.3 | 289.2 | 283.7 | 284.8 |
| 65°    | 608.2 | 546.5 | 494.9 | 448.3 | 406.6 | 371.0 | 342.2 | 320.4 | 306.7 | 300.4 | 301.4 |
| 67.5°  | 660.3 | 591.0 | 532.4 | 480.6 | 434.3 | 394.2 | 363.4 | 340.0 | 324.6 | 316.6 | 316.3 |
| 70°    | 692.9 | 632.6 | 568.6 | 510.0 | 460.6 | 418.1 | 383.7 | 357.9 | 340.3 | 331.5 | 329.5 |
| 72.5°  | 719.7 | 661.7 | 598.8 | 538.6 | 484.3 | 438.5 | 401.0 | 374.3 | 354.6 | 346.1 | 343.4 |
| 75°    | 739.6 | 683.2 | 622.5 | 563.2 | 504.3 | 456.4 | 418.2 | 389.9 | 370.3 | 360.1 | 355.6 |
| 77.5°  | 758.4 | 699.7 | 638.7 | 582.7 | 524.8 | 475.5 | 436.4 | 405.9 | 384.7 | 373.3 | 368.1 |
| 80°    | 767.7 | 716.5 | 656.8 | 598.7 | 541.5 | 490.7 | 451.8 | 420.5 | 397.9 | 385.9 | 380.7 |
| 82.5°  | 777.1 | 731.4 | 670.4 | 611.5 | 553.8 | 502.2 | 464.7 | 433.7 | 409.9 | 397.9 | 393.3 |
| 85°    | 783.2 | 741.9 | 679.5 | 620.7 | 562.1 | 510.4 | 475.4 | 445.6 | 421.0 | 409.5 | 406.0 |
| 87.5°  | 786.1 | 750.3 | 686.3 | 628.3 | 568.3 | 516.9 | 484.9 | 456.7 | 431.5 | 420.8 | 418.6 |
| 90°    | 785.8 | 749.1 | 684.9 | 628.4 | 568.3 | 519.6 | 491.4 | 465.6 | 441.0 | 431.9 | 430.7 |
| 92.5°  | 786.1 | 750.3 | 686.3 | 628.3 | 568.3 | 516.9 | 484.9 | 456.7 | 431.5 | 420.8 | 418.6 |
| 95°    | 783.2 | 741.9 | 679.5 | 620.7 | 562.1 | 510.4 | 475.4 | 445.6 | 421.0 | 409.5 | 406.0 |
| 97.5°  | 777.1 | 731.4 | 670.4 | 611.5 | 553.8 | 502.2 | 464.7 | 433.7 | 409.9 | 397.9 | 393.3 |
| 100°   | 767.7 | 716.5 | 656.8 | 598.7 | 541.5 | 490.7 | 451.8 | 420.5 | 397.9 | 385.9 | 380.7 |
| 102.5° | 758.4 | 699.7 | 638.7 | 582.7 | 524.8 | 475.5 | 436.4 | 405.9 | 384.7 | 373.3 | 368.1 |
| 105°   | 739.6 | 683.2 | 622.5 | 563.2 | 504.3 | 456.4 | 418.2 | 389.9 | 370.3 | 360.1 | 355.6 |
| 107.5° | 719.7 | 661.7 | 598.8 | 538.6 | 484.3 | 438.5 | 401.0 | 374.3 | 354.6 | 346.1 | 343.4 |
| 110°   | 692.9 | 632.6 | 568.6 | 510.0 | 460.6 | 418.1 | 383.7 | 357.9 | 340.3 | 331.5 | 329.5 |





TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 27.5° | 30°   | 32.5° | 35°   | 37.5° | 40°   | 42.5° | 45°   | 47.5° | 50°   | 52.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 660.3 | 591.0 | 532.4 | 480.6 | 434.3 | 394.2 | 363.4 | 340.0 | 324.6 | 316.6 | 316.3 |
| 115°   | 608.2 | 546.5 | 494.9 | 448.3 | 406.6 | 371.0 | 342.2 | 320.4 | 306.7 | 300.4 | 301.4 |
| 117.5° | 562.7 | 505.6 | 457.1 | 414.7 | 376.2 | 344.5 | 319.9 | 301.3 | 289.2 | 283.7 | 284.8 |
| 120°   | 517.8 | 467.5 | 421.1 | 378.7 | 345.8 | 318.2 | 295.8 | 279.5 | 270.9 | 267.0 | 267.1 |
| 122.5° | 470.6 | 425.9 | 385.1 | 349.3 | 316.9 | 290.1 | 271.8 | 259.0 | 251.5 | 248.0 | 247.5 |
| 125°   | 422.3 | 383.9 | 350.4 | 318.9 | 292.4 | 269.3 | 249.6 | 237.6 | 231.3 | 227.4 | 226.2 |
| 127.5° | 375.1 | 344.7 | 315.9 | 290.8 | 268.4 | 248.7 | 234.8 | 223.3 | 213.7 | 205.0 | 203.1 |
| 130°   | 331.6 | 307.4 | 284.2 | 263.6 | 244.8 | 231.0 | 219.3 | 209.2 | 201.0 | 193.6 | 187.2 |
| 132.5° | 293.0 | 272.8 | 254.4 | 237.3 | 224.7 | 213.4 | 203.7 | 195.7 | 188.2 | 182.1 | 175.7 |
| 135°   | 256.7 | 240.1 | 227.1 | 215.3 | 205.4 | 196.3 | 188.9 | 181.8 | 176.1 | 170.2 | 164.0 |
| 137.5° | 223.7 | 213.1 | 203.0 | 194.9 | 187.3 | 180.4 | 174.0 | 168.8 | 163.4 | 158.1 | 152.4 |
| 140°   | 197.3 | 188.9 | 181.7 | 175.7 | 170.2 | 164.9 | 160.1 | 155.5 | 151.0 | 146.0 | 140.5 |
| 142.5° | 175.1 | 168.9 | 163.0 | 158.7 | 154.2 | 150.1 | 146.4 | 142.7 | 138.3 | 133.4 | 128.6 |
| 145°   | 155.9 | 151.1 | 146.8 | 142.5 | 139.1 | 136.5 | 133.5 | 129.3 | 124.9 | 120.7 | 116.5 |
| 147.5° | 137.9 | 134.3 | 131.7 | 129.2 | 126.5 | 122.9 | 119.1 | 115.3 | 111.6 | 107.7 | 104.5 |
| 150°   | 122.3 | 120.6 | 119.0 | 116.3 | 113.3 | 109.8 | 106.0 | 101.7 | 98.0  | 95.1  | 92.2  |
| 152.5° | 109.1 | 107.8 | 106.0 | 103.8 | 101.2 | 98.3  | 95.3  | 91.7  | 88.0  | 84.0  | 80.2  |
| 155°   | 97.6  | 96.4  | 94.8  | 92.8  | 90.9  | 88.7  | 86.2  | 83.3  | 80.2  | 76.9  | 73.8  |
| 157.5° | 87.8  | 87.1  | 86.0  | 84.7  | 83.0  | 80.7  | 78.2  | 75.5  | 72.7  | 70.2  | 67.8  |
| 160°   | 81.2  | 79.9  | 78.3  | 76.4  | 74.4  | 72.3  | 70.1  | 67.9  | 65.7  | 63.5  | 61.2  |
| 162.5° | 71.9  | 70.6  | 68.9  | 67.2  | 65.4  | 63.5  | 61.7  | 59.8  | 57.8  | 55.9  | 53.8  |
| 165°   | 60.9  | 59.6  | 58.3  | 57.0  | 55.6  | 54.2  | 52.7  | 51.1  | 49.5  | 47.9  | 46.2  |
| 167.5° | 49.6  | 48.7  | 47.8  | 46.8  | 45.7  | 44.7  | 43.6  | 42.4  | 41.2  | 39.8  | 38.4  |
| 170°   | 38.8  | 38.3  | 37.7  | 37.0  | 36.3  | 35.5  | 34.6  | 33.7  | 32.7  | 31.7  | 30.6  |
| 172.5° | 28.5  | 28.1  | 27.7  | 27.2  | 26.7  | 26.1  | 25.5  | 24.8  | 24.0  | 23.2  | 22.4  |
| 175°   | 18.1  | 17.9  | 17.6  | 17.3  | 17.0  | 16.6  | 16.2  | 15.7  | 15.2  | 14.7  | 14.1  |
| 177.5° | 8.1   | 8.1   | 8.0   | 7.9   | 7.8   | 7.7   | 7.5   | 7.4   | 7.2   | 7.0   | 6.8   |
| 180°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 57.5° | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   | 77.5° | 80°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5°   | 6.6   | 6.4   | 6.2   | 5.9   | 5.7   | 5.4   | 5.2   | 4.9   | 4.6   | 4.3   | 4.0   |
| 5°     | 13.6  | 12.9  | 12.3  | 11.8  | 11.3  | 10.8  | 10.3  | 9.7   | 9.1   | 8.5   | 7.9   |
| 7.5°   | 21.5  | 20.6  | 19.6  | 18.6  | 17.6  | 16.5  | 15.4  | 14.5  | 13.6  | 12.7  | 11.8  |
| 10°    | 29.4  | 28.2  | 27.1  | 25.6  | 24.2  | 22.8  | 21.3  | 19.7  | 18.2  | 16.9  | 15.7  |
| 12.5°  | 37.0  | 35.6  | 34.0  | 32.4  | 30.8  | 29.1  | 27.2  | 25.3  | 23.3  | 21.3  | 19.6  |
| 15°    | 44.5  | 42.7  | 41.1  | 39.0  | 37.0  | 35.1  | 33.1  | 30.8  | 28.4  | 26.0  | 23.5  |
| 17.5°  | 52.0  | 49.7  | 47.5  | 45.3  | 43.0  | 40.8  | 38.5  | 36.2  | 33.5  | 30.7  | 27.8  |
| 20°    | 58.8  | 56.5  | 54.0  | 51.5  | 48.9  | 46.3  | 43.8  | 41.2  | 38.5  | 35.3  | 32.0  |
| 22.5°  | 65.4  | 62.8  | 60.2  | 57.5  | 54.7  | 51.8  | 48.8  | 46.0  | 43.1  | 40.0  | 36.3  |
| 25°    | 71.0  | 68.5  | 65.9  | 63.1  | 61.3  | 59.4  | 57.2  | 54.9  | 52.5  | 49.9  | 46.5  |
| 27.5°  | 77.9  | 76.5  | 75.5  | 74.4  | 72.7  | 70.9  | 68.8  | 66.5  | 64.0  | 61.1  | 57.6  |
| 30°    | 89.8  | 87.5  | 85.9  | 84.9  | 83.7  | 81.9  | 80.0  | 77.8  | 75.6  | 72.2  | 68.9  |
| 32.5°  | 101.2 | 98.6  | 96.4  | 94.9  | 93.9  | 92.5  | 90.7  | 88.7  | 86.5  | 83.4  | 79.6  |
| 35°    | 112.8 | 109.4 | 106.8 | 104.7 | 103.6 | 102.6 | 101.0 | 99.4  | 97.2  | 94.5  | 90.5  |
| 37.5°  | 124.0 | 120.2 | 116.7 | 114.6 | 113.0 | 112.1 | 111.0 | 109.4 | 107.6 | 105.6 | 101.3 |
| 40°    | 135.5 | 130.6 | 126.9 | 123.7 | 122.2 | 121.2 | 120.6 | 119.2 | 117.7 | 115.9 | 112.1 |
| 42.5°  | 146.6 | 141.4 | 136.6 | 133.2 | 131.1 | 130.0 | 129.6 | 128.8 | 127.5 | 126.1 | 122.9 |
| 45°    | 157.8 | 151.6 | 146.6 | 142.5 | 139.3 | 138.6 | 138.3 | 138.1 | 137.1 | 136.0 | 133.7 |
| 47.5°  | 168.7 | 162.1 | 156.3 | 151.5 | 148.1 | 148.0 | 149.5 | 150.0 | 148.8 | 146.7 | 143.6 |
| 50°    | 179.8 | 173.5 | 173.5 | 173.3 | 172.1 | 170.0 | 168.6 | 166.3 | 162.8 | 158.3 | 153.4 |
| 52.5°  | 202.6 | 202.5 | 204.1 | 204.0 | 200.6 | 194.4 | 189.6 | 184.1 | 177.7 | 170.7 | 163.5 |
| 55°    | 227.2 | 229.3 | 232.7 | 235.9 | 231.0 | 221.6 | 212.2 | 203.1 | 193.6 | 183.9 | 174.1 |
| 57.5°  | 249.6 | 253.7 | 259.4 | 266.0 | 262.0 | 250.6 | 236.4 | 223.4 | 210.3 | 197.7 | 185.2 |
| 60°    | 269.9 | 275.8 | 284.1 | 293.4 | 293.9 | 281.3 | 261.9 | 244.9 | 228.1 | 212.1 | 196.7 |
| 62.5°  | 289.2 | 296.6 | 307.0 | 319.3 | 326.4 | 313.4 | 289.1 | 267.6 | 246.7 | 227.1 | 208.5 |
| 65°    | 307.1 | 316.0 | 328.3 | 343.9 | 359.3 | 345.1 | 317.9 | 291.2 | 266.0 | 242.4 | 220.7 |
| 67.5°  | 323.6 | 334.0 | 348.0 | 367.3 | 385.8 | 376.4 | 347.5 | 315.5 | 285.8 | 258.2 | 233.1 |
| 70°    | 338.9 | 351.4 | 367.7 | 388.1 | 405.3 | 397.0 | 364.8 | 327.7 | 294.4 | 263.9 | 236.9 |
| 72.5°  | 350.5 | 361.9 | 376.2 | 391.7 | 404.8 | 399.2 | 368.6 | 331.8 | 298.2 | 267.1 | 239.3 |
| 75°    | 359.1 | 369.7 | 383.8 | 397.3 | 406.0 | 401.2 | 371.4 | 335.3 | 301.6 | 270.0 | 241.5 |
| 77.5°  | 368.4 | 377.8 | 391.7 | 404.5 | 408.6 | 403.1 | 373.3 | 338.2 | 304.6 | 272.6 | 243.4 |
| 80°    | 378.2 | 386.0 | 400.1 | 413.0 | 412.2 | 404.7 | 374.3 | 340.5 | 307.2 | 275.0 | 245.1 |
| 82.5°  | 388.5 | 394.6 | 408.8 | 422.4 | 416.6 | 405.9 | 374.5 | 342.3 | 309.4 | 277.1 | 247.5 |
| 85°    | 399.2 | 403.5 | 417.9 | 432.5 | 421.5 | 407.9 | 375.0 | 344.5 | 311.9 | 279.6 | 248.3 |
| 87.5°  | 410.0 | 412.5 | 427.2 | 443.0 | 426.7 | 407.3 | 373.1 | 344.7 | 312.8 | 280.7 | 249.1 |
| 90°    | 421.1 | 422.3 | 437.3 | 453.0 | 431.3 | 406.7 | 371.3 | 344.8 | 313.6 | 281.8 | 249.9 |
| 92.5°  | 410.0 | 412.5 | 427.2 | 443.0 | 426.7 | 407.3 | 373.1 | 344.7 | 312.8 | 280.7 | 249.1 |
| 95°    | 399.2 | 403.5 | 417.9 | 432.5 | 421.5 | 407.9 | 375.0 | 344.5 | 311.9 | 279.6 | 248.3 |
| 97.5°  | 388.5 | 394.6 | 408.8 | 422.4 | 416.6 | 405.9 | 374.5 | 342.3 | 309.4 | 277.1 | 247.5 |
| 100°   | 378.2 | 386.0 | 400.1 | 413.0 | 412.2 | 404.7 | 374.3 | 340.5 | 307.2 | 275.0 | 245.1 |
| 102.5° | 368.4 | 377.8 | 391.7 | 404.5 | 408.6 | 403.1 | 373.3 | 338.2 | 304.6 | 272.6 | 243.4 |
| 105°   | 359.1 | 369.7 | 383.8 | 397.3 | 406.0 | 401.2 | 371.4 | 335.3 | 301.6 | 270.0 | 241.5 |
| 107.5° | 350.5 | 361.9 | 376.2 | 391.7 | 404.8 | 399.2 | 368.6 | 331.8 | 298.2 | 267.1 | 239.3 |
| 110°   | 338.9 | 351.4 | 367.7 | 388.1 | 405.3 | 397.0 | 364.8 | 327.7 | 294.4 | 263.9 | 236.9 |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 57.5° | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   | 77.5° | 80°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 323.6 | 334.0 | 348.0 | 367.3 | 385.8 | 376.4 | 347.5 | 315.5 | 285.8 | 258.2 | 233.1 |
| 115°   | 307.1 | 316.0 | 328.3 | 343.9 | 359.3 | 345.1 | 317.9 | 291.2 | 266.0 | 242.4 | 220.7 |
| 117.5° | 289.2 | 296.6 | 307.0 | 319.3 | 326.4 | 313.4 | 289.1 | 267.6 | 246.7 | 227.1 | 208.5 |
| 120°   | 269.9 | 275.8 | 284.1 | 293.4 | 293.9 | 281.3 | 261.9 | 244.9 | 228.1 | 212.1 | 196.7 |
| 122.5° | 249.6 | 253.7 | 259.4 | 266.0 | 262.0 | 250.6 | 236.4 | 223.4 | 210.3 | 197.7 | 185.2 |
| 125°   | 227.2 | 229.3 | 232.7 | 235.9 | 231.0 | 221.6 | 212.2 | 203.1 | 193.6 | 183.9 | 174.1 |
| 127.5° | 202.6 | 202.5 | 204.1 | 204.0 | 200.6 | 194.4 | 189.6 | 184.1 | 177.7 | 170.7 | 163.5 |
| 130°   | 179.8 | 173.5 | 173.5 | 173.3 | 172.1 | 170.0 | 168.6 | 166.3 | 162.8 | 158.3 | 153.4 |
| 132.5° | 168.7 | 162.1 | 156.3 | 151.5 | 148.1 | 148.0 | 149.5 | 150.0 | 148.8 | 146.7 | 143.6 |
| 135°   | 157.8 | 151.6 | 146.6 | 142.5 | 139.3 | 138.6 | 138.3 | 138.1 | 137.1 | 136.0 | 133.7 |
| 137.5° | 146.6 | 141.4 | 136.6 | 133.2 | 131.1 | 130.0 | 129.6 | 128.8 | 127.5 | 126.1 | 122.9 |
| 140°   | 135.5 | 130.6 | 126.9 | 123.7 | 122.2 | 121.2 | 120.6 | 119.2 | 117.7 | 115.9 | 112.1 |
| 142.5° | 124.0 | 120.2 | 116.7 | 114.6 | 113.0 | 112.1 | 111.0 | 109.4 | 107.6 | 105.6 | 101.3 |
| 145°   | 112.8 | 109.4 | 106.8 | 104.7 | 103.6 | 102.6 | 101.0 | 99.4  | 97.2  | 94.5  | 90.5  |
| 147.5° | 101.2 | 98.6  | 96.4  | 94.9  | 93.9  | 92.5  | 90.7  | 88.7  | 86.5  | 83.4  | 79.6  |
| 150°   | 89.8  | 87.5  | 85.9  | 84.9  | 83.7  | 81.9  | 80.0  | 77.8  | 75.6  | 72.2  | 68.9  |
| 152.5° | 77.9  | 76.5  | 75.5  | 74.4  | 72.7  | 70.9  | 68.8  | 66.5  | 64.0  | 61.1  | 57.6  |
| 155°   | 71.0  | 68.5  | 65.9  | 63.1  | 61.3  | 59.4  | 57.2  | 54.9  | 52.5  | 49.9  | 46.5  |
| 157.5° | 65.4  | 62.8  | 60.2  | 57.5  | 54.7  | 51.8  | 48.8  | 46.0  | 43.1  | 40.0  | 36.3  |
| 160°   | 58.8  | 56.5  | 54.0  | 51.5  | 48.9  | 46.3  | 43.8  | 41.2  | 38.5  | 35.3  | 32.0  |
| 162.5° | 52.0  | 49.7  | 47.5  | 45.3  | 43.0  | 40.8  | 38.5  | 36.2  | 33.5  | 30.7  | 27.8  |
| 165°   | 44.5  | 42.7  | 41.1  | 39.0  | 37.0  | 35.1  | 33.1  | 30.8  | 28.4  | 26.0  | 23.5  |
| 167.5° | 37.0  | 35.6  | 34.0  | 32.4  | 30.8  | 29.1  | 27.2  | 25.3  | 23.3  | 21.3  | 19.6  |
| 170°   | 29.4  | 28.2  | 27.1  | 25.6  | 24.2  | 22.8  | 21.3  | 19.7  | 18.2  | 16.9  | 15.7  |
| 172.5° | 21.5  | 20.6  | 19.6  | 18.6  | 17.6  | 16.5  | 15.4  | 14.5  | 13.6  | 12.7  | 11.8  |
| 175°   | 13.6  | 12.9  | 12.3  | 11.8  | 11.3  | 10.8  | 10.3  | 9.7   | 9.1   | 8.5   | 7.9   |
| 177.5° | 6.6   | 6.4   | 6.2   | 5.9   | 5.7   | 5.4   | 5.2   | 4.9   | 4.6   | 4.3   | 4.0   |
| 180°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85°   | 87.5° | 90°   | 92.5° | 95°   | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|------|--------|------|--------|
| 0°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 2.5°   | 3.7   | 3.3   | 3.0   | 2.7   | 2.7   | 2.7   | 2.6   | 2.6  | 2.6    | 2.6  | 2.5    |
| 5°     | 7.3   | 6.6   | 6.0   | 5.3   | 5.3   | 5.3   | 5.3   | 5.2  | 5.2    | 5.1  | 5.0    |
| 7.5°   | 10.9  | 10.0  | 9.0   | 8.0   | 8.0   | 7.9   | 7.9   | 7.8  | 7.7    | 7.6  | 7.5    |
| 10°    | 14.5  | 13.2  | 12.0  | 10.7  | 10.6  | 10.5  | 10.4  | 10.3 | 10.2   | 10.1 | 9.9    |
| 12.5°  | 18.1  | 16.5  | 14.9  | 13.3  | 13.2  | 13.1  | 13.0  | 12.9 | 12.7   | 12.5 | 12.3   |
| 15°    | 21.6  | 19.8  | 17.9  | 16.0  | 15.9  | 15.7  | 15.6  | 15.4 | 15.1   | 14.9 | 14.6   |
| 17.5°  | 25.1  | 23.0  | 20.9  | 18.7  | 18.5  | 18.3  | 18.1  | 17.8 | 17.6   | 17.3 | 17.0   |
| 20°    | 28.7  | 26.2  | 23.8  | 21.3  | 21.1  | 20.9  | 20.6  | 20.3 | 20.0   | 19.6 | 19.4   |
| 22.5°  | 32.5  | 29.4  | 26.7  | 24.0  | 23.8  | 23.5  | 23.1  | 22.8 | 22.4   | 22.1 | 21.8   |
| 25°    | 42.7  | 39.1  | 36.1  | 32.9  | 32.3  | 31.6  | 30.7  | 29.7 | 28.7   | 27.7 | 26.8   |
| 27.5°  | 53.3  | 49.1  | 45.6  | 41.9  | 40.9  | 39.8  | 38.5  | 37.0 | 35.7   | 34.3 | 32.9   |
| 30°    | 64.0  | 59.1  | 55.0  | 50.8  | 49.5  | 47.9  | 46.1  | 44.1 | 42.4   | 40.6 | 38.8   |
| 32.5°  | 74.8  | 69.3  | 64.6  | 59.8  | 57.9  | 55.9  | 53.5  | 51.1 | 48.8   | 46.6 | 44.3   |
| 35°    | 85.5  | 79.5  | 74.1  | 68.7  | 66.4  | 63.8  | 60.8  | 57.9 | 55.0   | 52.3 | 49.6   |
| 37.5°  | 96.2  | 89.8  | 83.7  | 77.7  | 74.8  | 71.6  | 67.9  | 64.4 | 61.1   | 57.8 | 54.5   |
| 40°    | 107.0 | 100.0 | 93.2  | 86.6  | 83.1  | 79.2  | 74.9  | 70.8 | 66.8   | 63.1 | 59.1   |
| 42.5°  | 117.7 | 110.2 | 102.8 | 95.6  | 91.5  | 86.8  | 81.9  | 77.0 | 72.5   | 68.4 | 63.4   |
| 45°    | 128.1 | 120.5 | 112.5 | 104.5 | 99.7  | 94.3  | 88.5  | 83.0 | 78.0   | 73.0 | 67.4   |
| 47.5°  | 136.5 | 128.1 | 119.1 | 110.2 | 104.0 | 97.6  | 91.2  | 85.4 | 80.5   | 75.3 | 69.6   |
| 50°    | 145.0 | 135.5 | 125.7 | 115.9 | 108.2 | 100.5 | 93.3  | 87.0 | 81.8   | 76.3 | 70.1   |
| 52.5°  | 153.6 | 143.1 | 132.4 | 121.5 | 112.3 | 103.3 | 95.4  | 88.7 | 83.0   | 77.3 | 71.1   |
| 55°    | 162.5 | 150.6 | 139.1 | 127.2 | 116.3 | 106.1 | 97.5  | 90.4 | 84.3   | 78.4 | 72.4   |
| 57.5°  | 171.7 | 158.1 | 145.8 | 132.9 | 120.3 | 108.8 | 99.5  | 92.0 | 85.6   | 79.6 | 74.1   |
| 60°    | 180.9 | 165.7 | 152.5 | 138.6 | 124.2 | 111.4 | 101.5 | 93.7 | 87.0   | 81.1 | 76.3   |
| 62.5°  | 190.3 | 173.2 | 159.3 | 144.2 | 128.0 | 114.0 | 103.5 | 95.3 | 88.5   | 82.9 | 78.4   |
| 65°    | 199.8 | 180.7 | 166.0 | 149.9 | 131.8 | 116.5 | 105.5 | 96.9 | 90.0   | 84.9 | 80.9   |
| 67.5°  | 209.4 | 188.2 | 172.7 | 155.6 | 135.6 | 119.1 | 107.5 | 98.6 | 91.6   | 87.2 | 83.6   |
| 70°    | 212.4 | 190.5 | 173.1 | 154.8 | 134.7 | 118.1 | 106.5 | 97.7 | 91.1   | 87.3 | 84.3   |
| 72.5°  | 214.7 | 192.7 | 173.4 | 154.0 | 133.8 | 117.2 | 105.2 | 96.5 | 90.1   | 86.6 | 83.6   |
| 75°    | 216.9 | 194.9 | 174.4 | 153.2 | 132.9 | 116.3 | 104.0 | 95.3 | 89.2   | 86.0 | 83.0   |
| 77.5°  | 218.9 | 197.1 | 174.5 | 152.4 | 132.1 | 115.4 | 102.8 | 94.3 | 88.4   | 85.4 | 82.4   |
| 80°    | 220.7 | 200.0 | 174.5 | 151.6 | 131.3 | 114.7 | 101.7 | 93.3 | 87.6   | 84.8 | 81.9   |
| 82.5°  | 222.9 | 201.8 | 174.6 | 150.8 | 130.6 | 114.0 | 100.7 | 92.4 | 87.0   | 84.3 | 81.5   |
| 85°    | 224.1 | 203.7 | 174.7 | 150.0 | 129.9 | 113.4 | 99.7  | 91.6 | 86.4   | 83.8 | 81.1   |
| 87.5°  | 225.3 | 205.5 | 174.7 | 149.2 | 129.2 | 112.8 | 98.7  | 90.8 | 85.8   | 83.3 | 80.8   |
| 90°    | 226.5 | 207.3 | 174.8 | 148.4 | 128.6 | 112.3 | 97.9  | 90.1 | 85.3   | 82.9 | 80.5   |
| 92.5°  | 225.3 | 205.5 | 174.7 | 149.2 | 129.2 | 112.8 | 98.7  | 90.8 | 85.8   | 83.3 | 80.8   |
| 95°    | 224.1 | 203.7 | 174.7 | 150.0 | 129.9 | 113.4 | 99.7  | 91.6 | 86.4   | 83.8 | 81.1   |
| 97.5°  | 222.9 | 201.8 | 174.6 | 150.8 | 130.6 | 114.0 | 100.7 | 92.4 | 87.0   | 84.3 | 81.5   |
| 100°   | 220.7 | 200.0 | 174.5 | 151.6 | 131.3 | 114.7 | 101.7 | 93.3 | 87.6   | 84.8 | 81.9   |
| 102.5° | 218.9 | 197.1 | 174.5 | 152.4 | 132.1 | 115.4 | 102.8 | 94.3 | 88.4   | 85.4 | 82.4   |
| 105°   | 216.9 | 194.9 | 174.4 | 153.2 | 132.9 | 116.3 | 104.0 | 95.3 | 89.2   | 86.0 | 83.0   |
| 107.5° | 214.7 | 192.7 | 173.4 | 154.0 | 133.8 | 117.2 | 105.2 | 96.5 | 90.1   | 86.6 | 83.6   |
| 110°   | 212.4 | 190.5 | 173.1 | 154.8 | 134.7 | 118.1 | 106.5 | 97.7 | 91.1   | 87.3 | 84.3   |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85°   | 87.5° | 90°   | 92.5° | 95°   | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|------|--------|------|--------|
| 112.5° | 209.4 | 188.2 | 172.7 | 155.6 | 135.6 | 119.1 | 107.5 | 98.6 | 91.6   | 87.2 | 83.6   |
| 115°   | 199.8 | 180.7 | 166.0 | 149.9 | 131.8 | 116.5 | 105.5 | 96.9 | 90.0   | 84.9 | 80.9   |
| 117.5° | 190.3 | 173.2 | 159.3 | 144.2 | 128.0 | 114.0 | 103.5 | 95.3 | 88.5   | 82.9 | 78.4   |
| 120°   | 180.9 | 165.7 | 152.5 | 138.6 | 124.2 | 111.4 | 101.5 | 93.7 | 87.0   | 81.1 | 76.3   |
| 122.5° | 171.7 | 158.1 | 145.8 | 132.9 | 120.3 | 108.8 | 99.5  | 92.0 | 85.6   | 79.6 | 74.1   |
| 125°   | 162.5 | 150.6 | 139.1 | 127.2 | 116.3 | 106.1 | 97.5  | 90.4 | 84.3   | 78.4 | 72.4   |
| 127.5° | 153.6 | 143.1 | 132.4 | 121.5 | 112.3 | 103.3 | 95.4  | 88.7 | 83.0   | 77.3 | 71.1   |
| 130°   | 145.0 | 135.5 | 125.7 | 115.9 | 108.2 | 100.5 | 93.3  | 87.0 | 81.8   | 76.3 | 70.1   |
| 132.5° | 136.5 | 128.1 | 119.1 | 110.2 | 104.0 | 97.6  | 91.2  | 85.4 | 80.5   | 75.3 | 69.6   |
| 135°   | 128.1 | 120.5 | 112.5 | 104.5 | 99.7  | 94.3  | 88.5  | 83.0 | 78.0   | 73.0 | 67.4   |
| 137.5° | 117.7 | 110.2 | 102.8 | 95.6  | 91.5  | 86.8  | 81.9  | 77.0 | 72.5   | 68.4 | 63.4   |
| 140°   | 107.0 | 100.0 | 93.2  | 86.6  | 83.1  | 79.2  | 74.9  | 70.8 | 66.8   | 63.1 | 59.1   |
| 142.5° | 96.2  | 89.8  | 83.7  | 77.7  | 74.8  | 71.6  | 67.9  | 64.4 | 61.1   | 57.8 | 54.5   |
| 145°   | 85.5  | 79.5  | 74.1  | 68.7  | 66.4  | 63.8  | 60.8  | 57.9 | 55.0   | 52.3 | 49.6   |
| 147.5° | 74.8  | 69.3  | 64.6  | 59.8  | 57.9  | 55.9  | 53.5  | 51.1 | 48.8   | 46.6 | 44.3   |
| 150°   | 64.0  | 59.1  | 55.0  | 50.8  | 49.5  | 47.9  | 46.1  | 44.1 | 42.4   | 40.6 | 38.8   |
| 152.5° | 53.3  | 49.1  | 45.6  | 41.9  | 40.9  | 39.8  | 38.5  | 37.0 | 35.7   | 34.3 | 32.9   |
| 155°   | 42.7  | 39.1  | 36.1  | 32.9  | 32.3  | 31.6  | 30.7  | 29.7 | 28.7   | 27.7 | 26.8   |
| 157.5° | 32.5  | 29.4  | 26.7  | 24.0  | 23.8  | 23.5  | 23.1  | 22.8 | 22.4   | 22.1 | 21.8   |
| 160°   | 28.7  | 26.2  | 23.8  | 21.3  | 21.1  | 20.9  | 20.6  | 20.3 | 20.0   | 19.6 | 19.4   |
| 162.5° | 25.1  | 23.0  | 20.9  | 18.7  | 18.5  | 18.3  | 18.1  | 17.8 | 17.6   | 17.3 | 17.0   |
| 165°   | 21.6  | 19.8  | 17.9  | 16.0  | 15.9  | 15.7  | 15.6  | 15.4 | 15.1   | 14.9 | 14.6   |
| 167.5° | 18.1  | 16.5  | 14.9  | 13.3  | 13.2  | 13.1  | 13.0  | 12.9 | 12.7   | 12.5 | 12.3   |
| 170°   | 14.5  | 13.2  | 12.0  | 10.7  | 10.6  | 10.5  | 10.4  | 10.3 | 10.2   | 10.1 | 9.9    |
| 172.5° | 10.9  | 10.0  | 9.0   | 8.0   | 8.0   | 7.9   | 7.9   | 7.8  | 7.7    | 7.6  | 7.5    |
| 175°   | 7.3   | 6.6   | 6.0   | 5.3   | 5.3   | 5.3   | 5.3   | 5.2  | 5.2    | 5.1  | 5.0    |
| 177.5° | 3.7   | 3.3   | 3.0   | 2.7   | 2.7   | 2.7   | 2.6   | 2.6  | 2.6    | 2.6  | 2.5    |
| 180°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 0°     | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 2.5°   | 2.5  | 2.4    | 2.4  | 2.3    | 2.3  | 2.2    | 2.2  | 2.1    | 2.0  | 1.9    | 1.9  |
| 5°     | 4.9  | 4.8    | 4.7  | 4.6    | 4.5  | 4.4    | 4.2  | 4.1    | 4.0  | 3.8    | 3.6  |
| 7.5°   | 7.3  | 7.2    | 7.0  | 6.9    | 6.7  | 6.5    | 6.3  | 6.1    | 5.8  | 5.6    | 5.4  |
| 10°    | 9.7  | 9.5    | 9.3  | 9.0    | 8.8  | 8.6    | 8.3  | 8.1    | 7.8  | 7.5    | 7.2  |
| 12.5°  | 12.0 | 11.8   | 11.5 | 11.3   | 11.0 | 10.7   | 10.4 | 10.1   | 9.7  | 9.3    | 8.9  |
| 15°    | 14.3 | 14.1   | 13.8 | 13.5   | 13.2 | 12.8   | 12.4 | 12.0   | 11.5 | 11.0   | 10.5 |
| 17.5°  | 16.7 | 16.5   | 16.2 | 15.8   | 15.3 | 14.8   | 14.3 | 13.8   | 13.2 | 12.7   | 12.1 |
| 20°    | 19.1 | 18.8   | 18.3 | 17.8   | 17.3 | 16.7   | 16.1 | 15.5   | 15.0 | 14.4   | 13.9 |
| 22.5°  | 21.6 | 21.0   | 20.5 | 19.9   | 19.3 | 18.6   | 18.0 | 17.5   | 16.9 | 16.3   | 15.6 |
| 25°    | 25.6 | 24.4   | 23.1 | 21.9   | 21.2 | 20.6   | 20.1 | 19.5   | 18.7 | 17.9   | 17.1 |
| 27.5°  | 31.4 | 29.8   | 28.2 | 26.6   | 25.1 | 23.8   | 22.5 | 21.2   | 20.3 | 19.4   | 18.5 |
| 30°    | 36.9 | 34.8   | 32.8 | 30.8   | 28.9 | 27.1   | 25.4 | 23.8   | 22.4 | 21.1   | 20.0 |
| 32.5°  | 41.9 | 39.4   | 36.8 | 34.3   | 31.9 | 29.7   | 27.7 | 25.9   | 24.3 | 22.9   | 21.5 |
| 35°    | 46.6 | 43.5   | 40.2 | 37.1   | 34.3 | 31.7   | 29.5 | 27.5   | 25.8 | 24.2   | 22.6 |
| 37.5°  | 50.9 | 46.9   | 42.9 | 39.4   | 36.1 | 33.3   | 30.9 | 28.9   | 27.0 | 25.1   | 23.5 |
| 40°    | 54.7 | 49.7   | 45.2 | 41.2   | 37.7 | 34.6   | 32.2 | 30.0   | 27.9 | 26.2   | 24.7 |
| 42.5°  | 57.9 | 52.0   | 47.2 | 42.7   | 38.8 | 35.9   | 33.3 | 30.9   | 28.9 | 27.4   | 25.9 |
| 45°    | 60.6 | 54.2   | 48.7 | 44.0   | 40.1 | 37.1   | 34.3 | 31.9   | 30.2 | 28.6   | 26.9 |
| 47.5°  | 62.4 | 56.1   | 50.2 | 44.9   | 41.3 | 38.1   | 35.1 | 33.2   | 31.4 | 29.7   | 28.1 |
| 50°    | 63.4 | 57.4   | 51.7 | 46.8   | 42.8 | 39.0   | 36.5 | 34.5   | 32.6 | 30.9   | 29.3 |
| 52.5°  | 64.9 | 59.1   | 53.5 | 49.1   | 45.3 | 41.7   | 39.4 | 36.6   | 33.8 | 32.2   | 30.2 |
| 55°    | 66.7 | 61.1   | 55.6 | 51.6   | 48.0 | 45.3   | 43.1 | 40.4   | 37.2 | 34.1   | 31.2 |
| 57.5°  | 68.8 | 63.2   | 58.3 | 54.4   | 50.8 | 49.3   | 47.0 | 43.8   | 40.0 | 36.4   | 33.1 |
| 60°    | 71.1 | 65.6   | 61.1 | 57.4   | 54.7 | 53.5   | 51.1 | 46.7   | 42.4 | 38.3   | 34.7 |
| 62.5°  | 73.7 | 68.1   | 64.0 | 60.6   | 59.0 | 57.7   | 54.6 | 49.3   | 44.3 | 39.9   | 35.9 |
| 65°    | 76.4 | 71.0   | 67.1 | 63.9   | 63.5 | 62.0   | 57.5 | 51.5   | 46.1 | 41.2   | 36.8 |
| 67.5°  | 79.1 | 74.1   | 70.4 | 67.8   | 68.2 | 66.5   | 60.1 | 53.6   | 47.7 | 42.4   | 37.7 |
| 70°    | 80.2 | 76.1   | 73.1 | 72.0   | 72.7 | 70.3   | 62.5 | 55.5   | 49.1 | 43.4   | 38.3 |
| 72.5°  | 79.6 | 76.0   | 73.2 | 72.4   | 72.8 | 70.2   | 63.7 | 57.0   | 50.4 | 44.3   | 38.9 |
| 75°    | 79.2 | 76.0   | 73.2 | 72.5   | 72.5 | 69.4   | 64.0 | 57.8   | 51.2 | 45.2   | 39.6 |
| 77.5°  | 79.0 | 76.2   | 73.2 | 72.6   | 72.1 | 69.2   | 64.9 | 58.8   | 52.1 | 46.2   | 40.5 |
| 80°    | 78.9 | 76.4   | 73.3 | 72.5   | 71.7 | 69.5   | 66.2 | 59.9   | 53.3 | 47.4   | 41.6 |
| 82.5°  | 78.9 | 76.8   | 73.3 | 72.3   | 71.3 | 70.1   | 68.0 | 61.3   | 54.6 | 48.9   | 42.7 |
| 85°    | 78.9 | 77.2   | 73.5 | 72.0   | 71.0 | 71.1   | 70.0 | 62.8   | 56.2 | 50.6   | 44.1 |
| 87.5°  | 79.1 | 77.6   | 73.6 | 71.7   | 70.6 | 72.2   | 72.2 | 64.6   | 58.0 | 52.5   | 45.7 |
| 90°    | 79.3 | 78.1   | 73.9 | 71.5   | 70.3 | 73.3   | 74.5 | 66.7   | 60.1 | 54.7   | 47.5 |
| 92.5°  | 79.1 | 77.6   | 73.6 | 71.7   | 70.6 | 72.2   | 72.2 | 64.6   | 58.0 | 52.5   | 45.7 |
| 95°    | 78.9 | 77.2   | 73.5 | 72.0   | 71.0 | 71.1   | 70.0 | 62.8   | 56.2 | 50.6   | 44.1 |
| 97.5°  | 78.9 | 76.8   | 73.3 | 72.3   | 71.3 | 70.1   | 68.0 | 61.3   | 54.6 | 48.9   | 42.7 |
| 100°   | 78.9 | 76.4   | 73.3 | 72.5   | 71.7 | 69.5   | 66.2 | 59.9   | 53.3 | 47.4   | 41.6 |
| 102.5° | 79.0 | 76.2   | 73.2 | 72.6   | 72.1 | 69.2   | 64.9 | 58.8   | 52.1 | 46.2   | 40.5 |
| 105°   | 79.2 | 76.0   | 73.2 | 72.5   | 72.5 | 69.4   | 64.0 | 57.8   | 51.2 | 45.2   | 39.6 |
| 107.5° | 79.6 | 76.0   | 73.2 | 72.4   | 72.8 | 70.2   | 63.7 | 57.0   | 50.4 | 44.3   | 38.9 |
| 110°   | 80.2 | 76.1   | 73.1 | 72.0   | 72.7 | 70.3   | 62.5 | 55.5   | 49.1 | 43.4   | 38.3 |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 79.1 | 74.1   | 70.4 | 67.8   | 68.2 | 66.5   | 60.1 | 53.6   | 47.7 | 42.4   | 37.7 |
| 115°   | 76.4 | 71.0   | 67.1 | 63.9   | 63.5 | 62.0   | 57.5 | 51.5   | 46.1 | 41.2   | 36.8 |
| 117.5° | 73.7 | 68.1   | 64.0 | 60.6   | 59.0 | 57.7   | 54.6 | 49.3   | 44.3 | 39.9   | 35.9 |
| 120°   | 71.1 | 65.6   | 61.1 | 57.4   | 54.7 | 53.5   | 51.1 | 46.7   | 42.4 | 38.3   | 34.7 |
| 122.5° | 68.8 | 63.2   | 58.3 | 54.4   | 50.8 | 49.3   | 47.0 | 43.8   | 40.0 | 36.4   | 33.1 |
| 125°   | 66.7 | 61.1   | 55.6 | 51.6   | 48.0 | 45.3   | 43.1 | 40.4   | 37.2 | 34.1   | 31.2 |
| 127.5° | 64.9 | 59.1   | 53.5 | 49.1   | 45.3 | 41.7   | 39.4 | 36.6   | 33.8 | 32.2   | 30.2 |
| 130°   | 63.4 | 57.4   | 51.7 | 46.8   | 42.8 | 39.0   | 36.5 | 34.5   | 32.6 | 30.9   | 29.3 |
| 132.5° | 62.4 | 56.1   | 50.2 | 44.9   | 41.3 | 38.1   | 35.1 | 33.2   | 31.4 | 29.7   | 28.1 |
| 135°   | 60.6 | 54.2   | 48.7 | 44.0   | 40.1 | 37.1   | 34.3 | 31.9   | 30.2 | 28.6   | 26.9 |
| 137.5° | 57.9 | 52.0   | 47.2 | 42.7   | 38.8 | 35.9   | 33.3 | 30.9   | 28.9 | 27.4   | 25.9 |
| 140°   | 54.7 | 49.7   | 45.2 | 41.2   | 37.7 | 34.6   | 32.2 | 30.0   | 27.9 | 26.2   | 24.7 |
| 142.5° | 50.9 | 46.9   | 42.9 | 39.4   | 36.1 | 33.3   | 30.9 | 28.9   | 27.0 | 25.1   | 23.5 |
| 145°   | 46.6 | 43.5   | 40.2 | 37.1   | 34.3 | 31.7   | 29.5 | 27.5   | 25.8 | 24.2   | 22.6 |
| 147.5° | 41.9 | 39.4   | 36.8 | 34.3   | 31.9 | 29.7   | 27.7 | 25.9   | 24.3 | 22.9   | 21.5 |
| 150°   | 36.9 | 34.8   | 32.8 | 30.8   | 28.9 | 27.1   | 25.4 | 23.8   | 22.4 | 21.1   | 20.0 |
| 152.5° | 31.4 | 29.8   | 28.2 | 26.6   | 25.1 | 23.8   | 22.5 | 21.2   | 20.3 | 19.4   | 18.5 |
| 155°   | 25.6 | 24.4   | 23.1 | 21.9   | 21.2 | 20.6   | 20.1 | 19.5   | 18.7 | 17.9   | 17.1 |
| 157.5° | 21.6 | 21.0   | 20.5 | 19.9   | 19.3 | 18.6   | 18.0 | 17.5   | 16.9 | 16.3   | 15.6 |
| 160°   | 19.1 | 18.8   | 18.3 | 17.8   | 17.3 | 16.7   | 16.1 | 15.5   | 15.0 | 14.4   | 13.9 |
| 162.5° | 16.7 | 16.5   | 16.2 | 15.8   | 15.3 | 14.8   | 14.3 | 13.8   | 13.2 | 12.7   | 12.1 |
| 165°   | 14.3 | 14.1   | 13.8 | 13.5   | 13.2 | 12.8   | 12.4 | 12.0   | 11.5 | 11.0   | 10.5 |
| 167.5° | 12.0 | 11.8   | 11.5 | 11.3   | 11.0 | 10.7   | 10.4 | 10.1   | 9.7  | 9.3    | 8.9  |
| 170°   | 9.7  | 9.5    | 9.3  | 9.0    | 8.8  | 8.6    | 8.3  | 8.1    | 7.8  | 7.5    | 7.2  |
| 172.5° | 7.3  | 7.2    | 7.0  | 6.9    | 6.7  | 6.5    | 6.3  | 6.1    | 5.8  | 5.6    | 5.4  |
| 175°   | 4.9  | 4.8    | 4.7  | 4.6    | 4.5  | 4.4    | 4.2  | 4.1    | 4.0  | 3.8    | 3.6  |
| 177.5° | 2.5  | 2.4    | 2.4  | 2.3    | 2.3  | 2.2    | 2.2  | 2.1    | 2.0  | 1.9    | 1.9  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 0°     | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 2.5°   | 1.8    | 1.7  | 1.6    | 1.5  | 1.4    | 1.3  | 1.2    | 1.1  | 1.0    | 0.9  | 0.8    |
| 5°     | 3.5    | 3.3  | 3.1    | 2.9  | 2.7    | 2.6  | 2.4    | 2.2  | 2.0    | 1.7  | 1.5    |
| 7.5°   | 5.2    | 4.9  | 4.6    | 4.4  | 4.1    | 3.8  | 3.5    | 3.2  | 2.9    | 2.6  | 2.3    |
| 10°    | 6.9    | 6.5  | 6.2    | 5.8  | 5.4    | 5.0  | 4.6    | 4.2  | 3.8    | 3.4  | 3.0    |
| 12.5°  | 8.5    | 8.0  | 7.6    | 7.1  | 6.7    | 6.2  | 5.7    | 5.2  | 4.7    | 4.2  | 3.7    |
| 15°    | 10.0   | 9.5  | 9.0    | 8.4  | 7.9    | 7.3  | 6.8    | 6.2  | 5.6    | 5.0  | 4.4    |
| 17.5°  | 11.5   | 11.0 | 10.4   | 9.8  | 9.2    | 8.6  | 7.9    | 7.2  | 6.5    | 5.8  | 5.1    |
| 20°    | 13.3   | 12.6 | 11.9   | 11.2 | 10.4   | 9.7  | 8.9    | 8.1  | 7.3    | 6.5  | 5.7    |
| 22.5°  | 14.8   | 14.0 | 13.2   | 12.4 | 11.5   | 10.7 | 9.8    | 9.0  | 8.1    | 7.2  | 6.3    |
| 25°    | 16.2   | 15.3 | 14.4   | 13.5 | 12.6   | 11.7 | 10.8   | 9.8  | 8.8    | 7.8  | 6.8    |
| 27.5°  | 17.6   | 16.6 | 15.7   | 14.7 | 13.6   | 12.5 | 11.4   | 10.3 | 9.3    | 8.3  | 7.2    |
| 30°    | 18.9   | 17.9 | 16.7   | 15.5 | 14.3   | 13.2 | 12.1   | 11.1 | 10.0   | 8.9  | 7.8    |
| 32.5°  | 20.1   | 18.7 | 17.5   | 16.4 | 15.2   | 14.1 | 12.9   | 11.8 | 10.6   | 9.5  | 8.3    |
| 35°    | 21.0   | 19.8 | 18.6   | 17.4 | 16.2   | 15.0 | 13.7   | 12.5 | 11.3   | 10.0 | 8.7    |
| 37.5°  | 22.2   | 20.9 | 19.6   | 18.4 | 17.1   | 15.8 | 14.5   | 13.0 | 11.6   | 10.2 | 8.9    |
| 40°    | 23.3   | 21.9 | 20.6   | 19.3 | 17.9   | 16.3 | 14.8   | 13.4 | 12.1   | 10.7 | 9.3    |
| 42.5°  | 24.4   | 23.0 | 21.6   | 20.0 | 18.3   | 16.8 | 15.4   | 14.0 | 12.4   | 10.9 | 9.4    |
| 45°    | 25.5   | 24.0 | 22.2   | 20.5 | 19.0   | 17.5 | 15.8   | 14.1 | 12.7   | 11.3 | 9.8    |
| 47.5°  | 26.5   | 24.7 | 22.9   | 21.3 | 19.5   | 17.7 | 16.1   | 14.6 | 13.2   | 11.7 | 10.3   |
| 50°    | 27.3   | 25.4 | 23.7   | 21.8 | 19.9   | 18.2 | 16.6   | 15.2 | 13.7   | 12.2 | 10.7   |
| 52.5°  | 28.2   | 26.2 | 24.2   | 22.3 | 20.5   | 18.8 | 17.2   | 15.7 | 14.1   | 12.6 | 11.1   |
| 55°    | 29.0   | 26.9 | 24.8   | 22.8 | 21.1   | 19.5 | 17.8   | 16.2 | 14.5   | 12.8 | 11.1   |
| 57.5°  | 30.2   | 27.6 | 25.4   | 23.6 | 21.9   | 20.2 | 18.3   | 16.5 | 14.7   | 12.8 | 10.9   |
| 60°    | 31.4   | 28.5 | 26.2   | 24.4 | 22.6   | 20.6 | 18.6   | 16.8 | 14.8   | 12.8 | 10.9   |
| 62.5°  | 32.3   | 29.2 | 26.8   | 24.9 | 23.0   | 21.0 | 19.1   | 17.1 | 14.9   | 12.8 | 10.8   |
| 65°    | 33.0   | 29.8 | 27.2   | 25.0 | 22.8   | 21.2 | 19.6   | 17.2 | 14.8   | 12.5 | 10.4   |
| 67.5°  | 33.5   | 30.1 | 27.5   | 24.9 | 22.6   | 20.7 | 18.9   | 16.9 | 14.4   | 12.0 | 9.8    |
| 70°    | 33.9   | 30.4 | 27.5   | 24.6 | 22.2   | 20.0 | 17.8   | 15.7 | 13.7   | 11.4 | 9.1    |
| 72.5°  | 34.2   | 30.7 | 27.4   | 24.3 | 21.7   | 19.2 | 16.8   | 14.6 | 12.5   | 10.5 | 8.4    |
| 75°    | 34.7   | 30.8 | 27.3   | 23.9 | 21.1   | 18.4 | 16.0   | 13.8 | 11.6   | 9.4  | 7.7    |
| 77.5°  | 35.5   | 31.2 | 27.2   | 23.5 | 20.5   | 17.7 | 15.4   | 13.0 | 10.8   | 8.8  | 7.1    |
| 80°    | 36.3   | 31.6 | 27.2   | 23.3 | 19.9   | 17.0 | 14.7   | 12.5 | 10.3   | 8.4  | 6.1    |
| 82.5°  | 37.2   | 32.0 | 27.3   | 23.1 | 19.4   | 16.2 | 13.6   | 11.5 | 9.6    | 7.5  | 5.0    |
| 85°    | 38.3   | 32.5 | 27.6   | 23.0 | 18.9   | 15.4 | 12.7   | 10.6 | 8.9    | 6.8  | 4.5    |
| 87.5°  | 39.5   | 33.2 | 28.1   | 23.1 | 18.6   | 14.8 | 12.0   | 10.0 | 8.2    | 6.5  | 4.5    |
| 90°    | 40.9   | 34.2 | 28.8   | 23.4 | 18.6   | 14.4 | 11.4   | 9.6  | 7.8    | 6.6  | 4.8    |
| 92.5°  | 39.5   | 33.2 | 28.1   | 23.1 | 18.6   | 14.8 | 12.0   | 10.0 | 8.2    | 6.5  | 4.5    |
| 95°    | 38.3   | 32.5 | 27.6   | 23.0 | 18.9   | 15.4 | 12.7   | 10.6 | 8.9    | 6.8  | 4.5    |
| 97.5°  | 37.2   | 32.0 | 27.3   | 23.1 | 19.4   | 16.2 | 13.6   | 11.5 | 9.6    | 7.5  | 5.0    |
| 100°   | 36.3   | 31.6 | 27.2   | 23.3 | 19.9   | 17.0 | 14.7   | 12.5 | 10.3   | 8.4  | 6.1    |
| 102.5° | 35.5   | 31.2 | 27.2   | 23.5 | 20.5   | 17.7 | 15.4   | 13.0 | 10.8   | 8.8  | 7.1    |
| 105°   | 34.7   | 30.8 | 27.3   | 23.9 | 21.1   | 18.4 | 16.0   | 13.8 | 11.6   | 9.4  | 7.7    |
| 107.5° | 34.2   | 30.7 | 27.4   | 24.3 | 21.7   | 19.2 | 16.8   | 14.6 | 12.5   | 10.5 | 8.4    |
| 110°   | 33.9   | 30.4 | 27.5   | 24.6 | 22.2   | 20.0 | 17.8   | 15.7 | 13.7   | 11.4 | 9.1    |





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**CANDELA DISTRIBUTION (continued):**

|        | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 33.5   | 30.1 | 27.5   | 24.9 | 22.6   | 20.7 | 18.9   | 16.9 | 14.4   | 12.0 | 9.8    |
| 115°   | 33.0   | 29.8 | 27.2   | 25.0 | 22.8   | 21.2 | 19.6   | 17.2 | 14.8   | 12.5 | 10.4   |
| 117.5° | 32.3   | 29.2 | 26.8   | 24.9 | 23.0   | 21.0 | 19.1   | 17.1 | 14.9   | 12.8 | 10.8   |
| 120°   | 31.4   | 28.5 | 26.2   | 24.4 | 22.6   | 20.6 | 18.6   | 16.8 | 14.8   | 12.8 | 10.9   |
| 122.5° | 30.2   | 27.6 | 25.4   | 23.6 | 21.9   | 20.2 | 18.3   | 16.5 | 14.7   | 12.8 | 10.9   |
| 125°   | 29.0   | 26.9 | 24.8   | 22.8 | 21.1   | 19.5 | 17.8   | 16.2 | 14.5   | 12.8 | 11.1   |
| 127.5° | 28.2   | 26.2 | 24.2   | 22.3 | 20.5   | 18.8 | 17.2   | 15.7 | 14.1   | 12.6 | 11.1   |
| 130°   | 27.3   | 25.4 | 23.7   | 21.8 | 19.9   | 18.2 | 16.6   | 15.2 | 13.7   | 12.2 | 10.7   |
| 132.5° | 26.5   | 24.7 | 22.9   | 21.3 | 19.5   | 17.7 | 16.1   | 14.6 | 13.2   | 11.7 | 10.3   |
| 135°   | 25.5   | 24.0 | 22.2   | 20.5 | 19.0   | 17.5 | 15.8   | 14.1 | 12.7   | 11.3 | 9.8    |
| 137.5° | 24.4   | 23.0 | 21.6   | 20.0 | 18.3   | 16.8 | 15.4   | 14.0 | 12.4   | 10.9 | 9.4    |
| 140°   | 23.3   | 21.9 | 20.6   | 19.3 | 17.9   | 16.3 | 14.8   | 13.4 | 12.1   | 10.7 | 9.3    |
| 142.5° | 22.2   | 20.9 | 19.6   | 18.4 | 17.1   | 15.8 | 14.5   | 13.0 | 11.6   | 10.2 | 8.9    |
| 145°   | 21.0   | 19.8 | 18.6   | 17.4 | 16.2   | 15.0 | 13.7   | 12.5 | 11.3   | 10.0 | 8.7    |
| 147.5° | 20.1   | 18.7 | 17.5   | 16.4 | 15.2   | 14.1 | 12.9   | 11.8 | 10.6   | 9.5  | 8.3    |
| 150°   | 18.9   | 17.9 | 16.7   | 15.5 | 14.3   | 13.2 | 12.1   | 11.1 | 10.0   | 8.9  | 7.8    |
| 152.5° | 17.6   | 16.6 | 15.7   | 14.7 | 13.6   | 12.5 | 11.4   | 10.3 | 9.3    | 8.3  | 7.2    |
| 155°   | 16.2   | 15.3 | 14.4   | 13.5 | 12.6   | 11.7 | 10.8   | 9.8  | 8.8    | 7.8  | 6.8    |
| 157.5° | 14.8   | 14.0 | 13.2   | 12.4 | 11.5   | 10.7 | 9.8    | 9.0  | 8.1    | 7.2  | 6.3    |
| 160°   | 13.3   | 12.6 | 11.9   | 11.2 | 10.4   | 9.7  | 8.9    | 8.1  | 7.3    | 6.5  | 5.7    |
| 162.5° | 11.5   | 11.0 | 10.4   | 9.8  | 9.2    | 8.6  | 7.9    | 7.2  | 6.5    | 5.8  | 5.1    |
| 165°   | 10.0   | 9.5  | 9.0    | 8.4  | 7.9    | 7.3  | 6.8    | 6.2  | 5.6    | 5.0  | 4.4    |
| 167.5° | 8.5    | 8.0  | 7.6    | 7.1  | 6.7    | 6.2  | 5.7    | 5.2  | 4.7    | 4.2  | 3.7    |
| 170°   | 6.9    | 6.5  | 6.2    | 5.8  | 5.4    | 5.0  | 4.6    | 4.2  | 3.8    | 3.4  | 3.0    |
| 172.5° | 5.2    | 4.9  | 4.6    | 4.4  | 4.1    | 3.8  | 3.5    | 3.2  | 2.9    | 2.6  | 2.3    |
| 175°   | 3.5    | 3.3  | 3.1    | 2.9  | 2.7    | 2.6  | 2.4    | 2.2  | 2.0    | 1.7  | 1.5    |
| 177.5° | 1.8    | 1.7  | 1.6    | 1.5  | 1.4    | 1.3  | 1.2    | 1.1  | 1.0    | 0.9  | 0.8    |
| 180°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 0°     | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 2.5°   | 0.7  | 0.6    | 0.5  | 0.3    | 0.2  | 0.1    | 0.0  | 0.1    | 0.2  | 0.3    | 0.5  |
| 5°     | 1.3  | 1.1    | 0.9  | 0.7    | 0.4  | 0.2    | 0.0  | 0.2    | 0.4  | 0.7    | 0.9  |
| 7.5°   | 2.0  | 1.7    | 1.3  | 1.0    | 0.7  | 0.3    | 0.0  | 0.3    | 0.7  | 1.0    | 1.3  |
| 10°    | 2.6  | 2.2    | 1.7  | 1.3    | 0.9  | 0.4    | 0.0  | 0.4    | 0.9  | 1.3    | 1.7  |
| 12.5°  | 3.2  | 2.6    | 2.1  | 1.6    | 1.1  | 0.5    | 0.0  | 0.5    | 1.1  | 1.6    | 2.1  |
| 15°    | 3.8  | 3.2    | 2.6  | 1.9    | 1.3  | 0.6    | 0.0  | 0.6    | 1.3  | 1.9    | 2.6  |
| 17.5°  | 4.4  | 3.7    | 2.9  | 2.2    | 1.5  | 0.7    | 0.0  | 0.7    | 1.5  | 2.2    | 2.9  |
| 20°    | 4.9  | 4.1    | 3.3  | 2.5    | 1.6  | 0.8    | 0.0  | 0.8    | 1.6  | 2.5    | 3.3  |
| 22.5°  | 5.4  | 4.5    | 3.6  | 2.7    | 1.8  | 0.9    | 0.0  | 0.9    | 1.8  | 2.7    | 3.6  |
| 25°    | 5.8  | 4.8    | 3.9  | 2.9    | 1.9  | 1.0    | 0.0  | 1.0    | 1.9  | 2.9    | 3.9  |
| 27.5°  | 6.2  | 5.2    | 4.2  | 3.1    | 2.1  | 1.0    | 0.0  | 1.0    | 2.1  | 3.1    | 4.2  |
| 30°    | 6.7  | 5.6    | 4.5  | 3.3    | 2.2  | 1.1    | 0.0  | 1.1    | 2.2  | 3.3    | 4.5  |
| 32.5°  | 7.1  | 5.9    | 4.8  | 3.6    | 2.4  | 1.2    | 0.0  | 1.2    | 2.4  | 3.6    | 4.8  |
| 35°    | 7.4  | 6.1    | 4.9  | 3.7    | 2.4  | 1.2    | 0.0  | 1.2    | 2.4  | 3.7    | 4.9  |
| 37.5°  | 7.7  | 6.4    | 5.1  | 3.8    | 2.6  | 1.3    | 0.0  | 1.3    | 2.6  | 3.8    | 5.1  |
| 40°    | 7.9  | 6.6    | 5.2  | 3.9    | 2.6  | 1.3    | 0.0  | 1.3    | 2.6  | 3.9    | 5.2  |
| 42.5°  | 8.1  | 6.7    | 5.4  | 4.0    | 2.7  | 1.3    | 0.0  | 1.3    | 2.7  | 4.0    | 5.4  |
| 45°    | 8.5  | 7.1    | 5.8  | 4.5    | 3.2  | 1.9    | 0.6  | 1.9    | 3.2  | 4.5    | 5.8  |
| 47.5°  | 8.9  | 7.5    | 6.1  | 4.8    | 3.4  | 2.0    | 0.6  | 2.0    | 3.4  | 4.8    | 6.1  |
| 50°    | 9.2  | 7.8    | 6.3  | 4.9    | 3.5  | 2.0    | 0.6  | 2.0    | 3.5  | 4.9    | 6.3  |
| 52.5°  | 9.5  | 7.9    | 6.3  | 4.8    | 3.4  | 2.0    | 0.6  | 2.0    | 3.4  | 4.8    | 6.3  |
| 55°    | 9.3  | 7.7    | 6.2  | 4.7    | 3.3  | 1.9    | 0.6  | 1.9    | 3.3  | 4.7    | 6.2  |
| 57.5°  | 9.1  | 7.5    | 6.1  | 4.7    | 3.3  | 2.0    | 0.6  | 2.0    | 3.3  | 4.7    | 6.1  |
| 60°    | 9.2  | 7.6    | 6.0  | 4.6    | 3.2  | 1.9    | 0.6  | 1.9    | 3.2  | 4.6    | 6.0  |
| 62.5°  | 8.9  | 7.2    | 5.7  | 4.3    | 3.0  | 1.8    | 0.6  | 1.8    | 3.0  | 4.3    | 5.7  |
| 65°    | 8.4  | 6.7    | 5.2  | 3.9    | 2.7  | 1.6    | 0.6  | 1.6    | 2.7  | 3.9    | 5.2  |
| 67.5°  | 7.8  | 6.1    | 4.6  | 3.4    | 2.3  | 1.4    | 0.6  | 1.4    | 2.3  | 3.4    | 4.6  |
| 70°    | 7.1  | 5.5    | 4.0  | 2.7    | 1.8  | 1.2    | 0.6  | 1.2    | 1.8  | 2.7    | 4.0  |
| 72.5°  | 6.6  | 5.0    | 3.5  | 2.2    | 1.5  | 1.0    | 0.6  | 1.0    | 1.5  | 2.2    | 3.5  |
| 75°    | 6.4  | 4.7    | 3.1  | 1.9    | 1.2  | 0.9    | 0.6  | 0.9    | 1.2  | 1.9    | 3.1  |
| 77.5°  | 5.6  | 4.2    | 2.6  | 1.3    | 0.4  | 0.1    | 0.0  | 0.1    | 0.4  | 1.3    | 2.6  |
| 80°    | 4.3  | 2.8    | 1.5  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 1.5  |
| 82.5°  | 3.0  | 1.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 85°    | 2.2  | 0.5    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 87.5°  | 2.1  | 0.2    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 90°    | 2.4  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92.5°  | 2.1  | 0.2    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95°    | 2.2  | 0.5    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97.5°  | 3.0  | 1.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100°   | 4.3  | 2.8    | 1.5  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 1.5  |
| 102.5° | 5.6  | 4.2    | 2.6  | 1.3    | 0.4  | 0.1    | 0.0  | 0.1    | 0.4  | 1.3    | 2.6  |
| 105°   | 6.4  | 4.7    | 3.1  | 1.9    | 1.2  | 0.9    | 0.6  | 0.9    | 1.2  | 1.9    | 3.1  |
| 107.5° | 6.6  | 5.0    | 3.5  | 2.2    | 1.5  | 1.0    | 0.6  | 1.0    | 1.5  | 2.2    | 3.5  |
| 110°   | 7.1  | 5.5    | 4.0  | 2.7    | 1.8  | 1.2    | 0.6  | 1.2    | 1.8  | 2.7    | 4.0  |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 7.8  | 6.1    | 4.6  | 3.4    | 2.3  | 1.4    | 0.6  | 1.4    | 2.3  | 3.4    | 4.6  |
| 115°   | 8.4  | 6.7    | 5.2  | 3.9    | 2.7  | 1.6    | 0.6  | 1.6    | 2.7  | 3.9    | 5.2  |
| 117.5° | 8.9  | 7.2    | 5.7  | 4.3    | 3.0  | 1.8    | 0.6  | 1.8    | 3.0  | 4.3    | 5.7  |
| 120°   | 9.2  | 7.6    | 6.0  | 4.6    | 3.2  | 1.9    | 0.6  | 1.9    | 3.2  | 4.6    | 6.0  |
| 122.5° | 9.1  | 7.5    | 6.1  | 4.7    | 3.3  | 2.0    | 0.6  | 2.0    | 3.3  | 4.7    | 6.1  |
| 125°   | 9.3  | 7.7    | 6.2  | 4.7    | 3.3  | 1.9    | 0.6  | 1.9    | 3.3  | 4.7    | 6.2  |
| 127.5° | 9.5  | 7.9    | 6.3  | 4.8    | 3.4  | 2.0    | 0.6  | 2.0    | 3.4  | 4.8    | 6.3  |
| 130°   | 9.2  | 7.8    | 6.3  | 4.9    | 3.5  | 2.0    | 0.6  | 2.0    | 3.5  | 4.9    | 6.3  |
| 132.5° | 8.9  | 7.5    | 6.1  | 4.8    | 3.4  | 2.0    | 0.6  | 2.0    | 3.4  | 4.8    | 6.1  |
| 135°   | 8.5  | 7.1    | 5.8  | 4.5    | 3.2  | 1.9    | 0.6  | 1.9    | 3.2  | 4.5    | 5.8  |
| 137.5° | 8.1  | 6.7    | 5.4  | 4.0    | 2.7  | 1.3    | 0.0  | 1.3    | 2.7  | 4.0    | 5.4  |
| 140°   | 7.9  | 6.6    | 5.2  | 3.9    | 2.6  | 1.3    | 0.0  | 1.3    | 2.6  | 3.9    | 5.2  |
| 142.5° | 7.7  | 6.4    | 5.1  | 3.8    | 2.6  | 1.3    | 0.0  | 1.3    | 2.6  | 3.8    | 5.1  |
| 145°   | 7.4  | 6.1    | 4.9  | 3.7    | 2.4  | 1.2    | 0.0  | 1.2    | 2.4  | 3.7    | 4.9  |
| 147.5° | 7.1  | 5.9    | 4.8  | 3.6    | 2.4  | 1.2    | 0.0  | 1.2    | 2.4  | 3.6    | 4.8  |
| 150°   | 6.7  | 5.6    | 4.5  | 3.3    | 2.2  | 1.1    | 0.0  | 1.1    | 2.2  | 3.3    | 4.5  |
| 152.5° | 6.2  | 5.2    | 4.2  | 3.1    | 2.1  | 1.0    | 0.0  | 1.0    | 2.1  | 3.1    | 4.2  |
| 155°   | 5.8  | 4.8    | 3.9  | 2.9    | 1.9  | 1.0    | 0.0  | 1.0    | 1.9  | 2.9    | 3.9  |
| 157.5° | 5.4  | 4.5    | 3.6  | 2.7    | 1.8  | 0.9    | 0.0  | 0.9    | 1.8  | 2.7    | 3.6  |
| 160°   | 4.9  | 4.1    | 3.3  | 2.5    | 1.6  | 0.8    | 0.0  | 0.8    | 1.6  | 2.5    | 3.3  |
| 162.5° | 4.4  | 3.7    | 2.9  | 2.2    | 1.5  | 0.7    | 0.0  | 0.7    | 1.5  | 2.2    | 2.9  |
| 165°   | 3.8  | 3.2    | 2.6  | 1.9    | 1.3  | 0.6    | 0.0  | 0.6    | 1.3  | 1.9    | 2.6  |
| 167.5° | 3.2  | 2.6    | 2.1  | 1.6    | 1.1  | 0.5    | 0.0  | 0.5    | 1.1  | 1.6    | 2.1  |
| 170°   | 2.6  | 2.2    | 1.7  | 1.3    | 0.9  | 0.4    | 0.0  | 0.4    | 0.9  | 1.3    | 1.7  |
| 172.5° | 2.0  | 1.7    | 1.3  | 1.0    | 0.7  | 0.3    | 0.0  | 0.3    | 0.7  | 1.0    | 1.3  |
| 175°   | 1.3  | 1.1    | 0.9  | 0.7    | 0.4  | 0.2    | 0.0  | 0.2    | 0.4  | 0.7    | 0.9  |
| 177.5° | 0.7  | 0.6    | 0.5  | 0.3    | 0.2  | 0.1    | 0.0  | 0.1    | 0.2  | 0.3    | 0.5  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 0°     | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 2.5°   | 0.6    | 0.7  | 0.8    | 0.9  | 1.0    | 1.1  | 1.2    | 1.3  | 1.4    | 1.5  | 1.6    |
| 5°     | 1.1    | 1.3  | 1.5    | 1.7  | 2.0    | 2.2  | 2.4    | 2.6  | 2.7    | 2.9  | 3.1    |
| 7.5°   | 1.7    | 2.0  | 2.3    | 2.6  | 2.9    | 3.2  | 3.5    | 3.8  | 4.1    | 4.4  | 4.6    |
| 10°    | 2.2    | 2.6  | 3.0    | 3.4  | 3.8    | 4.2  | 4.6    | 5.0  | 5.4    | 5.8  | 6.2    |
| 12.5°  | 2.6    | 3.2  | 3.7    | 4.2  | 4.7    | 5.2  | 5.7    | 6.2  | 6.7    | 7.1  | 7.6    |
| 15°    | 3.2    | 3.8  | 4.4    | 5.0  | 5.6    | 6.2  | 6.8    | 7.3  | 7.9    | 8.4  | 9.0    |
| 17.5°  | 3.7    | 4.4  | 5.1    | 5.8  | 6.5    | 7.2  | 7.9    | 8.6  | 9.2    | 9.8  | 10.4   |
| 20°    | 4.1    | 4.9  | 5.7    | 6.5  | 7.3    | 8.1  | 8.9    | 9.7  | 10.4   | 11.2 | 11.9   |
| 22.5°  | 4.5    | 5.4  | 6.3    | 7.2  | 8.1    | 9.0  | 9.8    | 10.7 | 11.5   | 12.4 | 13.2   |
| 25°    | 4.8    | 5.8  | 6.8    | 7.8  | 8.8    | 9.8  | 10.8   | 11.7 | 12.6   | 13.5 | 14.4   |
| 27.5°  | 5.2    | 6.2  | 7.2    | 8.3  | 9.3    | 10.3 | 11.4   | 12.5 | 13.6   | 14.7 | 15.7   |
| 30°    | 5.6    | 6.7  | 7.8    | 8.9  | 10.0   | 11.1 | 12.1   | 13.2 | 14.3   | 15.5 | 16.7   |
| 32.5°  | 5.9    | 7.1  | 8.3    | 9.5  | 10.6   | 11.8 | 12.9   | 14.1 | 15.2   | 16.4 | 17.5   |
| 35°    | 6.1    | 7.4  | 8.7    | 10.0 | 11.3   | 12.5 | 13.7   | 15.0 | 16.2   | 17.4 | 18.6   |
| 37.5°  | 6.4    | 7.7  | 8.9    | 10.2 | 11.6   | 13.0 | 14.5   | 15.8 | 17.1   | 18.4 | 19.6   |
| 40°    | 6.6    | 7.9  | 9.3    | 10.7 | 12.1   | 13.4 | 14.8   | 16.3 | 17.9   | 19.3 | 20.6   |
| 42.5°  | 6.7    | 8.1  | 9.4    | 10.9 | 12.4   | 14.0 | 15.4   | 16.8 | 18.3   | 20.0 | 21.6   |
| 45°    | 7.1    | 8.5  | 9.8    | 11.3 | 12.7   | 14.1 | 15.8   | 17.5 | 19.0   | 20.5 | 22.2   |
| 47.5°  | 7.5    | 8.9  | 10.3   | 11.7 | 13.2   | 14.6 | 16.1   | 17.7 | 19.5   | 21.3 | 22.9   |
| 50°    | 7.8    | 9.2  | 10.7   | 12.2 | 13.7   | 15.2 | 16.6   | 18.2 | 19.9   | 21.8 | 23.7   |
| 52.5°  | 7.9    | 9.5  | 11.1   | 12.6 | 14.1   | 15.7 | 17.2   | 18.8 | 20.5   | 22.3 | 24.2   |
| 55°    | 7.7    | 9.3  | 11.1   | 12.8 | 14.5   | 16.2 | 17.8   | 19.5 | 21.1   | 22.8 | 24.8   |
| 57.5°  | 7.5    | 9.1  | 10.9   | 12.8 | 14.7   | 16.5 | 18.3   | 20.2 | 21.9   | 23.6 | 25.4   |
| 60°    | 7.6    | 9.2  | 10.9   | 12.8 | 14.8   | 16.8 | 18.6   | 20.6 | 22.6   | 24.4 | 26.2   |
| 62.5°  | 7.2    | 8.9  | 10.8   | 12.8 | 14.9   | 17.1 | 19.1   | 21.0 | 23.0   | 24.9 | 26.8   |
| 65°    | 6.7    | 8.4  | 10.4   | 12.5 | 14.8   | 17.2 | 19.6   | 21.2 | 22.8   | 25.0 | 27.2   |
| 67.5°  | 6.1    | 7.8  | 9.8    | 12.0 | 14.4   | 16.9 | 18.9   | 20.7 | 22.6   | 24.9 | 27.5   |
| 70°    | 5.5    | 7.1  | 9.1    | 11.4 | 13.7   | 15.7 | 17.8   | 20.0 | 22.2   | 24.6 | 27.5   |
| 72.5°  | 5.0    | 6.6  | 8.4    | 10.5 | 12.5   | 14.6 | 16.8   | 19.2 | 21.7   | 24.3 | 27.4   |
| 75°    | 4.7    | 6.4  | 7.7    | 9.4  | 11.6   | 13.8 | 16.0   | 18.4 | 21.1   | 23.9 | 27.3   |
| 77.5°  | 4.2    | 5.6  | 7.1    | 8.8  | 10.8   | 13.0 | 15.4   | 17.7 | 20.5   | 23.5 | 27.2   |
| 80°    | 2.8    | 4.3  | 6.1    | 8.4  | 10.3   | 12.5 | 14.7   | 17.0 | 19.9   | 23.3 | 27.2   |
| 82.5°  | 1.4    | 3.0  | 5.0    | 7.5  | 9.6    | 11.5 | 13.6   | 16.2 | 19.4   | 23.1 | 27.3   |
| 85°    | 0.5    | 2.2  | 4.5    | 6.8  | 8.9    | 10.6 | 12.7   | 15.4 | 18.9   | 23.0 | 27.6   |
| 87.5°  | 0.2    | 2.1  | 4.5    | 6.5  | 8.2    | 10.0 | 12.0   | 14.8 | 18.6   | 23.1 | 28.1   |
| 90°    | 0.0    | 2.4  | 4.8    | 6.6  | 7.8    | 9.6  | 11.4   | 14.4 | 18.6   | 23.4 | 28.8   |
| 92.5°  | 0.2    | 2.1  | 4.5    | 6.5  | 8.2    | 10.0 | 12.0   | 14.8 | 18.6   | 23.1 | 28.1   |
| 95°    | 0.5    | 2.2  | 4.5    | 6.8  | 8.9    | 10.6 | 12.7   | 15.4 | 18.9   | 23.0 | 27.6   |
| 97.5°  | 1.4    | 3.0  | 5.0    | 7.5  | 9.6    | 11.5 | 13.6   | 16.2 | 19.4   | 23.1 | 27.3   |
| 100°   | 2.8    | 4.3  | 6.1    | 8.4  | 10.3   | 12.5 | 14.7   | 17.0 | 19.9   | 23.3 | 27.2   |
| 102.5° | 4.2    | 5.6  | 7.1    | 8.8  | 10.8   | 13.0 | 15.4   | 17.7 | 20.5   | 23.5 | 27.2   |
| 105°   | 4.7    | 6.4  | 7.7    | 9.4  | 11.6   | 13.8 | 16.0   | 18.4 | 21.1   | 23.9 | 27.3   |
| 107.5° | 5.0    | 6.6  | 8.4    | 10.5 | 12.5   | 14.6 | 16.8   | 19.2 | 21.7   | 24.3 | 27.4   |
| 110°   | 5.5    | 7.1  | 9.1    | 11.4 | 13.7   | 15.7 | 17.8   | 20.0 | 22.2   | 24.6 | 27.5   |



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**CANDELA DISTRIBUTION (continued):**

|        | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 6.1    | 7.8  | 9.8    | 12.0 | 14.4   | 16.9 | 18.9   | 20.7 | 22.6   | 24.9 | 27.5   |
| 115°   | 6.7    | 8.4  | 10.4   | 12.5 | 14.8   | 17.2 | 19.6   | 21.2 | 22.8   | 25.0 | 27.2   |
| 117.5° | 7.2    | 8.9  | 10.8   | 12.8 | 14.9   | 17.1 | 19.1   | 21.0 | 23.0   | 24.9 | 26.8   |
| 120°   | 7.6    | 9.2  | 10.9   | 12.8 | 14.8   | 16.8 | 18.6   | 20.6 | 22.6   | 24.4 | 26.2   |
| 122.5° | 7.5    | 9.1  | 10.9   | 12.8 | 14.7   | 16.5 | 18.3   | 20.2 | 21.9   | 23.6 | 25.4   |
| 125°   | 7.7    | 9.3  | 11.1   | 12.8 | 14.5   | 16.2 | 17.8   | 19.5 | 21.1   | 22.8 | 24.8   |
| 127.5° | 7.9    | 9.5  | 11.1   | 12.6 | 14.1   | 15.7 | 17.2   | 18.8 | 20.5   | 22.3 | 24.2   |
| 130°   | 7.8    | 9.2  | 10.7   | 12.2 | 13.7   | 15.2 | 16.6   | 18.2 | 19.9   | 21.8 | 23.7   |
| 132.5° | 7.5    | 8.9  | 10.3   | 11.7 | 13.2   | 14.6 | 16.1   | 17.7 | 19.5   | 21.3 | 22.9   |
| 135°   | 7.1    | 8.5  | 9.8    | 11.3 | 12.7   | 14.1 | 15.8   | 17.5 | 19.0   | 20.5 | 22.2   |
| 137.5° | 6.7    | 8.1  | 9.4    | 10.9 | 12.4   | 14.0 | 15.4   | 16.8 | 18.3   | 20.0 | 21.6   |
| 140°   | 6.6    | 7.9  | 9.3    | 10.7 | 12.1   | 13.4 | 14.8   | 16.3 | 17.9   | 19.3 | 20.6   |
| 142.5° | 6.4    | 7.7  | 8.9    | 10.2 | 11.6   | 13.0 | 14.5   | 15.8 | 17.1   | 18.4 | 19.6   |
| 145°   | 6.1    | 7.4  | 8.7    | 10.0 | 11.3   | 12.5 | 13.7   | 15.0 | 16.2   | 17.4 | 18.6   |
| 147.5° | 5.9    | 7.1  | 8.3    | 9.5  | 10.6   | 11.8 | 12.9   | 14.1 | 15.2   | 16.4 | 17.5   |
| 150°   | 5.6    | 6.7  | 7.8    | 8.9  | 10.0   | 11.1 | 12.1   | 13.2 | 14.3   | 15.5 | 16.7   |
| 152.5° | 5.2    | 6.2  | 7.2    | 8.3  | 9.3    | 10.3 | 11.4   | 12.5 | 13.6   | 14.7 | 15.7   |
| 155°   | 4.8    | 5.8  | 6.8    | 7.8  | 8.8    | 9.8  | 10.8   | 11.7 | 12.6   | 13.5 | 14.4   |
| 157.5° | 4.5    | 5.4  | 6.3    | 7.2  | 8.1    | 9.0  | 9.8    | 10.7 | 11.5   | 12.4 | 13.2   |
| 160°   | 4.1    | 4.9  | 5.7    | 6.5  | 7.3    | 8.1  | 8.9    | 9.7  | 10.4   | 11.2 | 11.9   |
| 162.5° | 3.7    | 4.4  | 5.1    | 5.8  | 6.5    | 7.2  | 7.9    | 8.6  | 9.2    | 9.8  | 10.4   |
| 165°   | 3.2    | 3.8  | 4.4    | 5.0  | 5.6    | 6.2  | 6.8    | 7.3  | 7.9    | 8.4  | 9.0    |
| 167.5° | 2.6    | 3.2  | 3.7    | 4.2  | 4.7    | 5.2  | 5.7    | 6.2  | 6.7    | 7.1  | 7.6    |
| 170°   | 2.2    | 2.6  | 3.0    | 3.4  | 3.8    | 4.2  | 4.6    | 5.0  | 5.4    | 5.8  | 6.2    |
| 172.5° | 1.7    | 2.0  | 2.3    | 2.6  | 2.9    | 3.2  | 3.5    | 3.8  | 4.1    | 4.4  | 4.6    |
| 175°   | 1.1    | 1.3  | 1.5    | 1.7  | 2.0    | 2.2  | 2.4    | 2.6  | 2.7    | 2.9  | 3.1    |
| 177.5° | 0.6    | 0.7  | 0.8    | 0.9  | 1.0    | 1.1  | 1.2    | 1.3  | 1.4    | 1.5  | 1.6    |
| 180°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 0°     | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 2.5°   | 1.7  | 1.8    | 1.9  | 1.9    | 2.0  | 2.1    | 2.2  | 2.2    | 2.3  | 2.3    | 2.4  |
| 5°     | 3.3  | 3.5    | 3.6  | 3.8    | 4.0  | 4.1    | 4.2  | 4.4    | 4.5  | 4.6    | 4.7  |
| 7.5°   | 4.9  | 5.2    | 5.4  | 5.6    | 5.8  | 6.1    | 6.3  | 6.5    | 6.7  | 6.9    | 7.0  |
| 10°    | 6.5  | 6.9    | 7.2  | 7.5    | 7.8  | 8.1    | 8.3  | 8.6    | 8.8  | 9.0    | 9.3  |
| 12.5°  | 8.0  | 8.5    | 8.9  | 9.3    | 9.7  | 10.1   | 10.4 | 10.7   | 11.0 | 11.3   | 11.5 |
| 15°    | 9.5  | 10.0   | 10.5 | 11.0   | 11.5 | 12.0   | 12.4 | 12.8   | 13.2 | 13.5   | 13.8 |
| 17.5°  | 11.0 | 11.5   | 12.1 | 12.7   | 13.2 | 13.8   | 14.3 | 14.8   | 15.3 | 15.8   | 16.2 |
| 20°    | 12.6 | 13.3   | 13.9 | 14.4   | 15.0 | 15.5   | 16.1 | 16.7   | 17.3 | 17.8   | 18.3 |
| 22.5°  | 14.0 | 14.8   | 15.6 | 16.3   | 16.9 | 17.5   | 18.0 | 18.6   | 19.3 | 19.9   | 20.5 |
| 25°    | 15.3 | 16.2   | 17.1 | 17.9   | 18.7 | 19.5   | 20.1 | 20.6   | 21.2 | 21.9   | 23.1 |
| 27.5°  | 16.6 | 17.6   | 18.5 | 19.4   | 20.3 | 21.2   | 22.5 | 23.8   | 25.1 | 26.6   | 28.2 |
| 30°    | 17.9 | 18.9   | 20.0 | 21.1   | 22.4 | 23.8   | 25.4 | 27.1   | 28.9 | 30.8   | 32.8 |
| 32.5°  | 18.7 | 20.1   | 21.5 | 22.9   | 24.3 | 25.9   | 27.7 | 29.7   | 31.9 | 34.3   | 36.8 |
| 35°    | 19.8 | 21.0   | 22.6 | 24.2   | 25.8 | 27.5   | 29.5 | 31.7   | 34.3 | 37.1   | 40.2 |
| 37.5°  | 20.9 | 22.2   | 23.5 | 25.1   | 27.0 | 28.9   | 30.9 | 33.3   | 36.1 | 39.4   | 42.9 |
| 40°    | 21.9 | 23.3   | 24.7 | 26.2   | 27.9 | 30.0   | 32.2 | 34.6   | 37.7 | 41.2   | 45.2 |
| 42.5°  | 23.0 | 24.4   | 25.9 | 27.4   | 28.9 | 30.9   | 33.3 | 35.9   | 38.8 | 42.7   | 47.2 |
| 45°    | 24.0 | 25.5   | 26.9 | 28.6   | 30.2 | 31.9   | 34.3 | 37.1   | 40.1 | 44.0   | 48.7 |
| 47.5°  | 24.7 | 26.5   | 28.1 | 29.7   | 31.4 | 33.2   | 35.1 | 38.1   | 41.3 | 44.9   | 50.2 |
| 50°    | 25.4 | 27.3   | 29.3 | 30.9   | 32.6 | 34.5   | 36.5 | 39.0   | 42.8 | 46.8   | 51.7 |
| 52.5°  | 26.2 | 28.2   | 30.2 | 32.2   | 33.8 | 36.6   | 39.4 | 41.7   | 45.3 | 49.1   | 53.5 |
| 55°    | 26.9 | 29.0   | 31.2 | 34.1   | 37.2 | 40.4   | 43.1 | 45.3   | 48.0 | 51.6   | 55.6 |
| 57.5°  | 27.6 | 30.2   | 33.1 | 36.4   | 40.0 | 43.8   | 47.0 | 49.3   | 50.8 | 54.4   | 58.3 |
| 60°    | 28.5 | 31.4   | 34.7 | 38.3   | 42.4 | 46.7   | 51.1 | 53.5   | 54.7 | 57.4   | 61.1 |
| 62.5°  | 29.2 | 32.3   | 35.9 | 39.9   | 44.3 | 49.3   | 54.6 | 57.7   | 59.0 | 60.6   | 64.0 |
| 65°    | 29.8 | 33.0   | 36.8 | 41.2   | 46.1 | 51.5   | 57.5 | 62.0   | 63.5 | 63.9   | 67.1 |
| 67.5°  | 30.1 | 33.5   | 37.7 | 42.4   | 47.7 | 53.6   | 60.1 | 66.5   | 68.2 | 67.8   | 70.4 |
| 70°    | 30.4 | 33.9   | 38.3 | 43.4   | 49.1 | 55.5   | 62.5 | 70.3   | 72.7 | 72.0   | 73.1 |
| 72.5°  | 30.7 | 34.2   | 38.9 | 44.3   | 50.4 | 57.0   | 63.7 | 70.2   | 72.8 | 72.4   | 73.2 |
| 75°    | 30.8 | 34.7   | 39.6 | 45.2   | 51.2 | 57.8   | 64.0 | 69.4   | 72.5 | 72.5   | 73.2 |
| 77.5°  | 31.2 | 35.5   | 40.5 | 46.2   | 52.1 | 58.8   | 64.9 | 69.2   | 72.1 | 72.6   | 73.2 |
| 80°    | 31.6 | 36.3   | 41.6 | 47.4   | 53.3 | 59.9   | 66.2 | 69.5   | 71.7 | 72.5   | 73.3 |
| 82.5°  | 32.0 | 37.2   | 42.7 | 48.9   | 54.6 | 61.3   | 68.0 | 70.1   | 71.3 | 72.3   | 73.3 |
| 85°    | 32.5 | 38.3   | 44.1 | 50.6   | 56.2 | 62.8   | 70.0 | 71.1   | 71.0 | 72.0   | 73.5 |
| 87.5°  | 33.2 | 39.5   | 45.7 | 52.5   | 58.0 | 64.6   | 72.2 | 72.2   | 70.6 | 71.7   | 73.6 |
| 90°    | 34.2 | 40.9   | 47.5 | 54.7   | 60.1 | 66.7   | 74.5 | 73.3   | 70.3 | 71.5   | 73.9 |
| 92.5°  | 33.2 | 39.5   | 45.7 | 52.5   | 58.0 | 64.6   | 72.2 | 72.2   | 70.6 | 71.7   | 73.6 |
| 95°    | 32.5 | 38.3   | 44.1 | 50.6   | 56.2 | 62.8   | 70.0 | 71.1   | 71.0 | 72.0   | 73.5 |
| 97.5°  | 32.0 | 37.2   | 42.7 | 48.9   | 54.6 | 61.3   | 68.0 | 70.1   | 71.3 | 72.3   | 73.3 |
| 100°   | 31.6 | 36.3   | 41.6 | 47.4   | 53.3 | 59.9   | 66.2 | 69.5   | 71.7 | 72.5   | 73.3 |
| 102.5° | 31.2 | 35.5   | 40.5 | 46.2   | 52.1 | 58.8   | 64.9 | 69.2   | 72.1 | 72.6   | 73.2 |
| 105°   | 30.8 | 34.7   | 39.6 | 45.2   | 51.2 | 57.8   | 64.0 | 69.4   | 72.5 | 72.5   | 73.2 |
| 107.5° | 30.7 | 34.2   | 38.9 | 44.3   | 50.4 | 57.0   | 63.7 | 70.2   | 72.8 | 72.4   | 73.2 |
| 110°   | 30.4 | 33.9   | 38.3 | 43.4   | 49.1 | 55.5   | 62.5 | 70.3   | 72.7 | 72.0   | 73.1 |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 30.1 | 33.5   | 37.7 | 42.4   | 47.7 | 53.6   | 60.1 | 66.5   | 68.2 | 67.8   | 70.4 |
| 115°   | 29.8 | 33.0   | 36.8 | 41.2   | 46.1 | 51.5   | 57.5 | 62.0   | 63.5 | 63.9   | 67.1 |
| 117.5° | 29.2 | 32.3   | 35.9 | 39.9   | 44.3 | 49.3   | 54.6 | 57.7   | 59.0 | 60.6   | 64.0 |
| 120°   | 28.5 | 31.4   | 34.7 | 38.3   | 42.4 | 46.7   | 51.1 | 53.5   | 54.7 | 57.4   | 61.1 |
| 122.5° | 27.6 | 30.2   | 33.1 | 36.4   | 40.0 | 43.8   | 47.0 | 49.3   | 50.8 | 54.4   | 58.3 |
| 125°   | 26.9 | 29.0   | 31.2 | 34.1   | 37.2 | 40.4   | 43.1 | 45.3   | 48.0 | 51.6   | 55.6 |
| 127.5° | 26.2 | 28.2   | 30.2 | 32.2   | 33.8 | 36.6   | 39.4 | 41.7   | 45.3 | 49.1   | 53.5 |
| 130°   | 25.4 | 27.3   | 29.3 | 30.9   | 32.6 | 34.5   | 36.5 | 39.0   | 42.8 | 46.8   | 51.7 |
| 132.5° | 24.7 | 26.5   | 28.1 | 29.7   | 31.4 | 33.2   | 35.1 | 38.1   | 41.3 | 44.9   | 50.2 |
| 135°   | 24.0 | 25.5   | 26.9 | 28.6   | 30.2 | 31.9   | 34.3 | 37.1   | 40.1 | 44.0   | 48.7 |
| 137.5° | 23.0 | 24.4   | 25.9 | 27.4   | 28.9 | 30.9   | 33.3 | 35.9   | 38.8 | 42.7   | 47.2 |
| 140°   | 21.9 | 23.3   | 24.7 | 26.2   | 27.9 | 30.0   | 32.2 | 34.6   | 37.7 | 41.2   | 45.2 |
| 142.5° | 20.9 | 22.2   | 23.5 | 25.1   | 27.0 | 28.9   | 30.9 | 33.3   | 36.1 | 39.4   | 42.9 |
| 145°   | 19.8 | 21.0   | 22.6 | 24.2   | 25.8 | 27.5   | 29.5 | 31.7   | 34.3 | 37.1   | 40.2 |
| 147.5° | 18.7 | 20.1   | 21.5 | 22.9   | 24.3 | 25.9   | 27.7 | 29.7   | 31.9 | 34.3   | 36.8 |
| 150°   | 17.9 | 18.9   | 20.0 | 21.1   | 22.4 | 23.8   | 25.4 | 27.1   | 28.9 | 30.8   | 32.8 |
| 152.5° | 16.6 | 17.6   | 18.5 | 19.4   | 20.3 | 21.2   | 22.5 | 23.8   | 25.1 | 26.6   | 28.2 |
| 155°   | 15.3 | 16.2   | 17.1 | 17.9   | 18.7 | 19.5   | 20.1 | 20.6   | 21.2 | 21.9   | 23.1 |
| 157.5° | 14.0 | 14.8   | 15.6 | 16.3   | 16.9 | 17.5   | 18.0 | 18.6   | 19.3 | 19.9   | 20.5 |
| 160°   | 12.6 | 13.3   | 13.9 | 14.4   | 15.0 | 15.5   | 16.1 | 16.7   | 17.3 | 17.8   | 18.3 |
| 162.5° | 11.0 | 11.5   | 12.1 | 12.7   | 13.2 | 13.8   | 14.3 | 14.8   | 15.3 | 15.8   | 16.2 |
| 165°   | 9.5  | 10.0   | 10.5 | 11.0   | 11.5 | 12.0   | 12.4 | 12.8   | 13.2 | 13.5   | 13.8 |
| 167.5° | 8.0  | 8.5    | 8.9  | 9.3    | 9.7  | 10.1   | 10.4 | 10.7   | 11.0 | 11.3   | 11.5 |
| 170°   | 6.5  | 6.9    | 7.2  | 7.5    | 7.8  | 8.1    | 8.3  | 8.6    | 8.8  | 9.0    | 9.3  |
| 172.5° | 4.9  | 5.2    | 5.4  | 5.6    | 5.8  | 6.1    | 6.3  | 6.5    | 6.7  | 6.9    | 7.0  |
| 175°   | 3.3  | 3.5    | 3.6  | 3.8    | 4.0  | 4.1    | 4.2  | 4.4    | 4.5  | 4.6    | 4.7  |
| 177.5° | 1.7  | 1.8    | 1.9  | 1.9    | 2.0  | 2.1    | 2.2  | 2.2    | 2.3  | 2.3    | 2.4  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 262.5° | 265°  | 267.5° | 270°  | 272.5° |
|--------|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|
| 0°     | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 2.5°   | 2.4    | 2.5  | 2.5    | 2.6  | 2.6    | 2.6  | 2.6    | 2.7   | 2.7    | 2.7   | 3.0    |
| 5°     | 4.8    | 4.9  | 5.0    | 5.1  | 5.2    | 5.2  | 5.3    | 5.3   | 5.3    | 5.3   | 6.0    |
| 7.5°   | 7.2    | 7.3  | 7.5    | 7.6  | 7.7    | 7.8  | 7.9    | 7.9   | 8.0    | 8.0   | 9.0    |
| 10°    | 9.5    | 9.7  | 9.9    | 10.1 | 10.2   | 10.3 | 10.4   | 10.5  | 10.6   | 10.7  | 12.0   |
| 12.5°  | 11.8   | 12.0 | 12.3   | 12.5 | 12.7   | 12.9 | 13.0   | 13.1  | 13.2   | 13.3  | 14.9   |
| 15°    | 14.1   | 14.3 | 14.6   | 14.9 | 15.1   | 15.4 | 15.6   | 15.7  | 15.9   | 16.0  | 17.9   |
| 17.5°  | 16.5   | 16.7 | 17.0   | 17.3 | 17.6   | 17.8 | 18.1   | 18.3  | 18.5   | 18.7  | 20.9   |
| 20°    | 18.8   | 19.1 | 19.4   | 19.6 | 20.0   | 20.3 | 20.6   | 20.9  | 21.1   | 21.3  | 23.8   |
| 22.5°  | 21.0   | 21.6 | 21.8   | 22.1 | 22.4   | 22.8 | 23.1   | 23.5  | 23.8   | 24.0  | 26.7   |
| 25°    | 24.4   | 25.6 | 26.8   | 27.7 | 28.7   | 29.7 | 30.7   | 31.6  | 32.3   | 32.9  | 36.1   |
| 27.5°  | 29.8   | 31.4 | 32.9   | 34.3 | 35.7   | 37.0 | 38.5   | 39.8  | 40.9   | 41.9  | 45.6   |
| 30°    | 34.8   | 36.9 | 38.8   | 40.6 | 42.4   | 44.1 | 46.1   | 47.9  | 49.5   | 50.8  | 55.0   |
| 32.5°  | 39.4   | 41.9 | 44.3   | 46.6 | 48.8   | 51.1 | 53.5   | 55.9  | 57.9   | 59.8  | 64.6   |
| 35°    | 43.5   | 46.6 | 49.6   | 52.3 | 55.0   | 57.9 | 60.8   | 63.8  | 66.4   | 68.7  | 74.1   |
| 37.5°  | 46.9   | 50.9 | 54.5   | 57.8 | 61.1   | 64.4 | 67.9   | 71.6  | 74.8   | 77.7  | 83.7   |
| 40°    | 49.7   | 54.7 | 59.1   | 63.1 | 66.8   | 70.8 | 74.9   | 79.2  | 83.1   | 86.6  | 93.2   |
| 42.5°  | 52.0   | 57.9 | 63.4   | 68.4 | 72.5   | 77.0 | 81.9   | 86.8  | 91.5   | 95.6  | 102.8  |
| 45°    | 54.2   | 60.6 | 67.4   | 73.0 | 78.0   | 83.0 | 88.5   | 94.3  | 99.7   | 104.5 | 112.5  |
| 47.5°  | 56.1   | 62.4 | 69.6   | 75.3 | 80.5   | 85.4 | 91.2   | 97.6  | 104.0  | 110.2 | 119.1  |
| 50°    | 57.4   | 63.4 | 70.1   | 76.3 | 81.8   | 87.0 | 93.3   | 100.5 | 108.2  | 115.9 | 125.7  |
| 52.5°  | 59.1   | 64.9 | 71.1   | 77.3 | 83.0   | 88.7 | 95.4   | 103.3 | 112.3  | 121.5 | 132.4  |
| 55°    | 61.1   | 66.7 | 72.4   | 78.4 | 84.3   | 90.4 | 97.5   | 106.1 | 116.3  | 127.2 | 139.1  |
| 57.5°  | 63.2   | 68.8 | 74.1   | 79.6 | 85.6   | 92.0 | 99.5   | 108.8 | 120.3  | 132.9 | 145.8  |
| 60°    | 65.6   | 71.1 | 76.3   | 81.1 | 87.0   | 93.7 | 101.5  | 111.4 | 124.2  | 138.6 | 152.5  |
| 62.5°  | 68.1   | 73.7 | 78.4   | 82.9 | 88.5   | 95.3 | 103.5  | 114.0 | 128.0  | 144.2 | 159.3  |
| 65°    | 71.0   | 76.4 | 80.9   | 84.9 | 90.0   | 96.9 | 105.5  | 116.5 | 131.8  | 149.9 | 166.0  |
| 67.5°  | 74.1   | 79.1 | 83.6   | 87.2 | 91.6   | 98.6 | 107.5  | 119.1 | 135.6  | 155.6 | 172.7  |
| 70°    | 76.1   | 80.2 | 84.3   | 87.3 | 91.1   | 97.7 | 106.5  | 118.1 | 134.7  | 154.8 | 173.1  |
| 72.5°  | 76.0   | 79.6 | 83.6   | 86.6 | 90.1   | 96.5 | 105.2  | 117.2 | 133.8  | 154.0 | 173.4  |
| 75°    | 76.0   | 79.2 | 83.0   | 86.0 | 89.2   | 95.3 | 104.0  | 116.3 | 132.9  | 153.2 | 174.4  |
| 77.5°  | 76.2   | 79.0 | 82.4   | 85.4 | 88.4   | 94.3 | 102.8  | 115.4 | 132.1  | 152.4 | 174.5  |
| 80°    | 76.4   | 78.9 | 81.9   | 84.8 | 87.6   | 93.3 | 101.7  | 114.7 | 131.3  | 151.6 | 174.5  |
| 82.5°  | 76.8   | 78.9 | 81.5   | 84.3 | 87.0   | 92.4 | 100.7  | 114.0 | 130.6  | 150.8 | 174.6  |
| 85°    | 77.2   | 78.9 | 81.1   | 83.8 | 86.4   | 91.6 | 99.7   | 113.4 | 129.9  | 150.0 | 174.7  |
| 87.5°  | 77.6   | 79.1 | 80.8   | 83.3 | 85.8   | 90.8 | 98.7   | 112.8 | 129.2  | 149.2 | 174.7  |
| 90°    | 78.1   | 79.3 | 80.5   | 82.9 | 85.3   | 90.1 | 97.9   | 112.3 | 128.6  | 148.4 | 174.8  |
| 92.5°  | 77.6   | 79.1 | 80.8   | 83.3 | 85.8   | 90.8 | 98.7   | 112.8 | 129.2  | 149.2 | 174.7  |
| 95°    | 77.2   | 78.9 | 81.1   | 83.8 | 86.4   | 91.6 | 99.7   | 113.4 | 129.9  | 150.0 | 174.7  |
| 97.5°  | 76.8   | 78.9 | 81.5   | 84.3 | 87.0   | 92.4 | 100.7  | 114.0 | 130.6  | 150.8 | 174.6  |
| 100°   | 76.4   | 78.9 | 81.9   | 84.8 | 87.6   | 93.3 | 101.7  | 114.7 | 131.3  | 151.6 | 174.5  |
| 102.5° | 76.2   | 79.0 | 82.4   | 85.4 | 88.4   | 94.3 | 102.8  | 115.4 | 132.1  | 152.4 | 174.5  |
| 105°   | 76.0   | 79.2 | 83.0   | 86.0 | 89.2   | 95.3 | 104.0  | 116.3 | 132.9  | 153.2 | 174.4  |
| 107.5° | 76.0   | 79.6 | 83.6   | 86.6 | 90.1   | 96.5 | 105.2  | 117.2 | 133.8  | 154.0 | 173.4  |
| 110°   | 76.1   | 80.2 | 84.3   | 87.3 | 91.1   | 97.7 | 106.5  | 118.1 | 134.7  | 154.8 | 173.1  |





TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 262.5° | 265°  | 267.5° | 270°  | 272.5° |
|--------|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|
| 112.5° | 74.1   | 79.1 | 83.6   | 87.2 | 91.6   | 98.6 | 107.5  | 119.1 | 135.6  | 155.6 | 172.7  |
| 115°   | 71.0   | 76.4 | 80.9   | 84.9 | 90.0   | 96.9 | 105.5  | 116.5 | 131.8  | 149.9 | 166.0  |
| 117.5° | 68.1   | 73.7 | 78.4   | 82.9 | 88.5   | 95.3 | 103.5  | 114.0 | 128.0  | 144.2 | 159.3  |
| 120°   | 65.6   | 71.1 | 76.3   | 81.1 | 87.0   | 93.7 | 101.5  | 111.4 | 124.2  | 138.6 | 152.5  |
| 122.5° | 63.2   | 68.8 | 74.1   | 79.6 | 85.6   | 92.0 | 99.5   | 108.8 | 120.3  | 132.9 | 145.8  |
| 125°   | 61.1   | 66.7 | 72.4   | 78.4 | 84.3   | 90.4 | 97.5   | 106.1 | 116.3  | 127.2 | 139.1  |
| 127.5° | 59.1   | 64.9 | 71.1   | 77.3 | 83.0   | 88.7 | 95.4   | 103.3 | 112.3  | 121.5 | 132.4  |
| 130°   | 57.4   | 63.4 | 70.1   | 76.3 | 81.8   | 87.0 | 93.3   | 100.5 | 108.2  | 115.9 | 125.7  |
| 132.5° | 56.1   | 62.4 | 69.6   | 75.3 | 80.5   | 85.4 | 91.2   | 97.6  | 104.0  | 110.2 | 119.1  |
| 135°   | 54.2   | 60.6 | 67.4   | 73.0 | 78.0   | 83.0 | 88.5   | 94.3  | 99.7   | 104.5 | 112.5  |
| 137.5° | 52.0   | 57.9 | 63.4   | 68.4 | 72.5   | 77.0 | 81.9   | 86.8  | 91.5   | 95.6  | 102.8  |
| 140°   | 49.7   | 54.7 | 59.1   | 63.1 | 66.8   | 70.8 | 74.9   | 79.2  | 83.1   | 86.6  | 93.2   |
| 142.5° | 46.9   | 50.9 | 54.5   | 57.8 | 61.1   | 64.4 | 67.9   | 71.6  | 74.8   | 77.7  | 83.7   |
| 145°   | 43.5   | 46.6 | 49.6   | 52.3 | 55.0   | 57.9 | 60.8   | 63.8  | 66.4   | 68.7  | 74.1   |
| 147.5° | 39.4   | 41.9 | 44.3   | 46.6 | 48.8   | 51.1 | 53.5   | 55.9  | 57.9   | 59.8  | 64.6   |
| 150°   | 34.8   | 36.9 | 38.8   | 40.6 | 42.4   | 44.1 | 46.1   | 47.9  | 49.5   | 50.8  | 55.0   |
| 152.5° | 29.8   | 31.4 | 32.9   | 34.3 | 35.7   | 37.0 | 38.5   | 39.8  | 40.9   | 41.9  | 45.6   |
| 155°   | 24.4   | 25.6 | 26.8   | 27.7 | 28.7   | 29.7 | 30.7   | 31.6  | 32.3   | 32.9  | 36.1   |
| 157.5° | 21.0   | 21.6 | 21.8   | 22.1 | 22.4   | 22.8 | 23.1   | 23.5  | 23.8   | 24.0  | 26.7   |
| 160°   | 18.8   | 19.1 | 19.4   | 19.6 | 20.0   | 20.3 | 20.6   | 20.9  | 21.1   | 21.3  | 23.8   |
| 162.5° | 16.5   | 16.7 | 17.0   | 17.3 | 17.6   | 17.8 | 18.1   | 18.3  | 18.5   | 18.7  | 20.9   |
| 165°   | 14.1   | 14.3 | 14.6   | 14.9 | 15.1   | 15.4 | 15.6   | 15.7  | 15.9   | 16.0  | 17.9   |
| 167.5° | 11.8   | 12.0 | 12.3   | 12.5 | 12.7   | 12.9 | 13.0   | 13.1  | 13.2   | 13.3  | 14.9   |
| 170°   | 9.5    | 9.7  | 9.9    | 10.1 | 10.2   | 10.3 | 10.4   | 10.5  | 10.6   | 10.7  | 12.0   |
| 172.5° | 7.2    | 7.3  | 7.5    | 7.6  | 7.7    | 7.8  | 7.9    | 7.9   | 8.0    | 8.0   | 9.0    |
| 175°   | 4.8    | 4.9  | 5.0    | 5.1  | 5.2    | 5.2  | 5.3    | 5.3   | 5.3    | 5.3   | 6.0    |
| 177.5° | 2.4    | 2.5  | 2.5    | 2.6  | 2.6    | 2.6  | 2.6    | 2.7   | 2.7    | 2.7   | 3.0    |
| 180°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 277.5° | 280°  | 282.5° | 285°  | 287.5° | 290°  | 292.5° | 295°  | 297.5° | 300°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°     | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 2.5°   | 3.3   | 3.7    | 4.0   | 4.3    | 4.6   | 4.9    | 5.2   | 5.4    | 5.7   | 5.9    | 6.2   |
| 5°     | 6.6   | 7.3    | 7.9   | 8.5    | 9.1   | 9.7    | 10.3  | 10.8   | 11.3  | 11.8   | 12.3  |
| 7.5°   | 10.0  | 10.9   | 11.8  | 12.7   | 13.6  | 14.5   | 15.4  | 16.5   | 17.6  | 18.6   | 19.6  |
| 10°    | 13.2  | 14.5   | 15.7  | 16.9   | 18.2  | 19.7   | 21.3  | 22.8   | 24.2  | 25.6   | 27.1  |
| 12.5°  | 16.5  | 18.1   | 19.6  | 21.3   | 23.3  | 25.3   | 27.2  | 29.1   | 30.8  | 32.4   | 34.0  |
| 15°    | 19.8  | 21.6   | 23.5  | 26.0   | 28.4  | 30.8   | 33.1  | 35.1   | 37.0  | 39.0   | 41.1  |
| 17.5°  | 23.0  | 25.1   | 27.8  | 30.7   | 33.5  | 36.2   | 38.5  | 40.8   | 43.0  | 45.3   | 47.5  |
| 20°    | 26.2  | 28.7   | 32.0  | 35.3   | 38.5  | 41.2   | 43.8  | 46.3   | 48.9  | 51.5   | 54.0  |
| 22.5°  | 29.4  | 32.5   | 36.3  | 40.0   | 43.1  | 46.0   | 48.8  | 51.8   | 54.7  | 57.5   | 60.2  |
| 25°    | 39.1  | 42.7   | 46.5  | 49.9   | 52.5  | 54.9   | 57.2  | 59.4   | 61.3  | 63.1   | 65.9  |
| 27.5°  | 49.1  | 53.3   | 57.6  | 61.1   | 64.0  | 66.5   | 68.8  | 70.9   | 72.7  | 74.4   | 75.5  |
| 30°    | 59.1  | 64.0   | 68.9  | 72.2   | 75.6  | 77.8   | 80.0  | 81.9   | 83.7  | 84.9   | 85.9  |
| 32.5°  | 69.3  | 74.8   | 79.6  | 83.4   | 86.5  | 88.7   | 90.7  | 92.5   | 93.9  | 94.9   | 96.4  |
| 35°    | 79.5  | 85.5   | 90.5  | 94.5   | 97.2  | 99.4   | 101.0 | 102.6  | 103.6 | 104.7  | 106.8 |
| 37.5°  | 89.8  | 96.2   | 101.3 | 105.6  | 107.6 | 109.4  | 111.0 | 112.1  | 113.0 | 114.6  | 116.7 |
| 40°    | 100.0 | 107.0  | 112.1 | 115.9  | 117.7 | 119.2  | 120.6 | 121.2  | 122.2 | 123.7  | 126.9 |
| 42.5°  | 110.2 | 117.7  | 122.9 | 126.1  | 127.5 | 128.8  | 129.6 | 130.0  | 131.1 | 133.2  | 136.6 |
| 45°    | 120.5 | 128.1  | 133.7 | 136.0  | 137.1 | 138.1  | 138.3 | 138.6  | 139.3 | 142.5  | 146.6 |
| 47.5°  | 128.1 | 136.5  | 143.6 | 146.7  | 148.8 | 150.0  | 149.5 | 148.0  | 148.1 | 151.5  | 156.3 |
| 50°    | 135.5 | 145.0  | 153.4 | 158.3  | 162.8 | 166.3  | 168.6 | 170.0  | 172.1 | 173.3  | 173.5 |
| 52.5°  | 143.1 | 153.6  | 163.5 | 170.7  | 177.7 | 184.1  | 189.6 | 194.4  | 200.6 | 204.0  | 204.1 |
| 55°    | 150.6 | 162.6  | 174.1 | 183.9  | 193.6 | 203.1  | 212.2 | 221.6  | 231.0 | 235.9  | 232.7 |
| 57.5°  | 158.1 | 171.7  | 185.2 | 197.7  | 210.3 | 223.4  | 236.4 | 250.6  | 262.0 | 266.0  | 259.4 |
| 60°    | 165.7 | 180.9  | 196.7 | 212.1  | 228.1 | 244.9  | 261.9 | 281.3  | 293.9 | 293.4  | 284.1 |
| 62.5°  | 173.2 | 190.3  | 208.5 | 227.1  | 246.7 | 267.6  | 289.1 | 313.4  | 326.4 | 319.3  | 307.0 |
| 65°    | 180.7 | 199.8  | 220.7 | 242.4  | 266.0 | 291.2  | 317.9 | 345.1  | 359.3 | 343.9  | 328.3 |
| 67.5°  | 188.2 | 209.4  | 233.1 | 258.2  | 285.8 | 315.5  | 347.5 | 376.4  | 385.8 | 367.3  | 348.0 |
| 70°    | 190.5 | 212.4  | 236.9 | 263.9  | 294.4 | 327.7  | 364.8 | 397.0  | 405.3 | 388.1  | 367.7 |
| 72.5°  | 192.7 | 214.7  | 239.3 | 267.1  | 298.2 | 331.8  | 368.6 | 399.2  | 404.8 | 391.7  | 376.2 |
| 75°    | 194.9 | 216.9  | 241.5 | 270.0  | 301.6 | 335.3  | 371.4 | 401.2  | 406.0 | 397.3  | 383.8 |
| 77.5°  | 197.1 | 218.9  | 243.4 | 272.6  | 304.6 | 338.2  | 373.3 | 403.1  | 408.6 | 404.5  | 391.7 |
| 80°    | 200.0 | 220.7  | 245.1 | 275.0  | 307.2 | 340.5  | 374.3 | 404.7  | 412.2 | 413.0  | 400.1 |
| 82.5°  | 201.8 | 222.9  | 247.5 | 277.1  | 309.4 | 342.3  | 374.5 | 405.9  | 416.6 | 422.4  | 408.8 |
| 85°    | 203.7 | 224.1  | 248.3 | 279.6  | 311.9 | 344.5  | 375.0 | 407.9  | 421.5 | 432.5  | 417.9 |
| 87.5°  | 205.5 | 225.3  | 249.1 | 280.7  | 312.8 | 344.7  | 373.1 | 407.3  | 426.7 | 443.0  | 427.2 |
| 90°    | 207.3 | 226.5  | 249.9 | 281.8  | 313.6 | 344.8  | 371.3 | 406.7  | 431.3 | 453.0  | 437.3 |
| 92.5°  | 205.5 | 225.3  | 249.1 | 280.7  | 312.8 | 344.7  | 373.1 | 407.3  | 426.7 | 443.0  | 427.2 |
| 95°    | 203.7 | 224.1  | 248.3 | 279.6  | 311.9 | 344.5  | 375.0 | 407.9  | 421.5 | 432.5  | 417.9 |
| 97.5°  | 201.8 | 222.9  | 247.5 | 277.1  | 309.4 | 342.3  | 374.5 | 405.9  | 416.6 | 422.4  | 408.8 |
| 100°   | 200.0 | 220.7  | 245.1 | 275.0  | 307.2 | 340.5  | 374.3 | 404.7  | 412.2 | 413.0  | 400.1 |
| 102.5° | 197.1 | 218.9  | 243.4 | 272.6  | 304.6 | 338.2  | 373.3 | 403.1  | 408.6 | 404.5  | 391.7 |
| 105°   | 194.9 | 216.9  | 241.5 | 270.0  | 301.6 | 335.3  | 371.4 | 401.2  | 406.0 | 397.3  | 383.8 |
| 107.5° | 192.7 | 214.7  | 239.3 | 267.1  | 298.2 | 331.8  | 368.6 | 399.2  | 404.8 | 391.7  | 376.2 |
| 110°   | 190.5 | 212.4  | 236.9 | 263.9  | 294.4 | 327.7  | 364.8 | 397.0  | 405.3 | 388.1  | 367.7 |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 277.5° | 280°  | 282.5° | 285°  | 287.5° | 290°  | 292.5° | 295°  | 297.5° | 300°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 188.2 | 209.4  | 233.1 | 258.2  | 285.8 | 315.5  | 347.5 | 376.4  | 385.8 | 367.3  | 348.0 |
| 115°   | 180.7 | 199.8  | 220.7 | 242.4  | 266.0 | 291.2  | 317.9 | 345.1  | 359.3 | 343.9  | 328.3 |
| 117.5° | 173.2 | 190.3  | 208.5 | 227.1  | 246.7 | 267.6  | 289.1 | 313.4  | 326.4 | 319.3  | 307.0 |
| 120°   | 165.7 | 180.9  | 196.7 | 212.1  | 228.1 | 244.9  | 261.9 | 281.3  | 293.9 | 293.4  | 284.1 |
| 122.5° | 158.1 | 171.7  | 185.2 | 197.7  | 210.3 | 223.4  | 236.4 | 250.6  | 262.0 | 266.0  | 259.4 |
| 125°   | 150.6 | 162.6  | 174.1 | 183.9  | 193.6 | 203.1  | 212.2 | 221.6  | 231.0 | 235.9  | 232.7 |
| 127.5° | 143.1 | 153.6  | 163.5 | 170.7  | 177.7 | 184.1  | 189.6 | 194.4  | 200.6 | 204.0  | 204.1 |
| 130°   | 135.5 | 145.0  | 153.4 | 158.3  | 162.8 | 166.3  | 168.6 | 170.0  | 172.1 | 173.3  | 173.5 |
| 132.5° | 128.1 | 136.5  | 143.6 | 146.7  | 148.8 | 150.0  | 149.5 | 148.0  | 148.1 | 151.5  | 156.3 |
| 135°   | 120.5 | 128.1  | 133.7 | 136.0  | 137.1 | 138.1  | 138.3 | 138.6  | 139.3 | 142.5  | 146.6 |
| 137.5° | 110.2 | 117.7  | 122.9 | 126.1  | 127.5 | 128.8  | 129.6 | 130.0  | 131.1 | 133.2  | 136.6 |
| 140°   | 100.0 | 107.0  | 112.1 | 115.9  | 117.7 | 119.2  | 120.6 | 121.2  | 122.2 | 123.7  | 126.9 |
| 142.5° | 89.8  | 96.2   | 101.3 | 105.6  | 107.6 | 109.4  | 111.0 | 112.1  | 113.0 | 114.6  | 116.7 |
| 145°   | 79.5  | 85.5   | 90.5  | 94.5   | 97.2  | 99.4   | 101.0 | 102.6  | 103.6 | 104.7  | 106.8 |
| 147.5° | 69.3  | 74.8   | 79.6  | 83.4   | 86.5  | 88.7   | 90.7  | 92.5   | 93.9  | 94.9   | 96.4  |
| 150°   | 59.1  | 64.0   | 68.9  | 72.2   | 75.6  | 77.8   | 80.0  | 81.9   | 83.7  | 84.9   | 85.9  |
| 152.5° | 49.1  | 53.3   | 57.6  | 61.1   | 64.0  | 66.5   | 68.8  | 70.9   | 72.7  | 74.4   | 75.5  |
| 155°   | 39.1  | 42.7   | 46.5  | 49.9   | 52.5  | 54.9   | 57.2  | 59.4   | 61.3  | 63.1   | 65.9  |
| 157.5° | 29.4  | 32.5   | 36.3  | 40.0   | 43.1  | 46.0   | 48.8  | 51.8   | 54.7  | 57.5   | 60.2  |
| 160°   | 26.2  | 28.7   | 32.0  | 35.3   | 38.5  | 41.2   | 43.8  | 46.3   | 48.9  | 51.5   | 54.0  |
| 162.5° | 23.0  | 25.1   | 27.8  | 30.7   | 33.5  | 36.2   | 38.5  | 40.8   | 43.0  | 45.3   | 47.5  |
| 165°   | 19.8  | 21.6   | 23.5  | 26.0   | 28.4  | 30.8   | 33.1  | 35.1   | 37.0  | 39.0   | 41.1  |
| 167.5° | 16.5  | 18.1   | 19.6  | 21.3   | 23.3  | 25.3   | 27.2  | 29.1   | 30.8  | 32.4   | 34.0  |
| 170°   | 13.2  | 14.5   | 15.7  | 16.9   | 18.2  | 19.7   | 21.3  | 22.8   | 24.2  | 25.6   | 27.1  |
| 172.5° | 10.0  | 10.9   | 11.8  | 12.7   | 13.6  | 14.5   | 15.4  | 16.5   | 17.6  | 18.6   | 19.6  |
| 175°   | 6.6   | 7.3    | 7.9   | 8.5    | 9.1   | 9.7    | 10.3  | 10.8   | 11.3  | 11.8   | 12.3  |
| 177.5° | 3.3   | 3.7    | 4.0   | 4.3    | 4.6   | 4.9    | 5.2   | 5.4    | 5.7   | 5.9    | 6.2   |
| 180°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 302.5° | 305°  | 307.5° | 310°  | 312.5° | 315°  | 317.5° | 320°  | 322.5° | 325°  | 327.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0°     | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 2.5°   | 6.4    | 6.6   | 6.8    | 7.0   | 7.2    | 7.4   | 7.5    | 7.7   | 7.8    | 7.9   | 8.0    |
| 5°     | 12.9   | 13.6  | 14.1   | 14.7  | 15.2   | 15.7  | 16.2   | 16.6  | 17.0   | 17.3  | 17.6   |
| 7.5°   | 20.6   | 21.5  | 22.4   | 23.2  | 24.0   | 24.8  | 25.5   | 26.1  | 26.7   | 27.2  | 27.7   |
| 10°    | 28.2   | 29.4  | 30.6   | 31.7  | 32.7   | 33.7  | 34.6   | 35.5  | 36.3   | 37.0  | 37.7   |
| 12.5°  | 35.6   | 37.0  | 38.4   | 39.8  | 41.2   | 42.4  | 43.6   | 44.7  | 45.7   | 46.8  | 47.8   |
| 15°    | 42.7   | 44.5  | 46.2   | 47.9  | 49.5   | 51.1  | 52.7   | 54.2  | 55.6   | 57.0  | 58.3   |
| 17.5°  | 49.7   | 52.0  | 53.8   | 55.9  | 57.8   | 59.8  | 61.7   | 63.5  | 65.4   | 67.2  | 68.9   |
| 20°    | 56.5   | 58.8  | 61.2   | 63.5  | 65.7   | 67.9  | 70.1   | 72.3  | 74.4   | 76.4  | 78.3   |
| 22.5°  | 62.8   | 65.4  | 67.8   | 70.2  | 72.7   | 75.5  | 78.2   | 80.7  | 83.0   | 84.7  | 86.0   |
| 25°    | 68.5   | 71.0  | 73.8   | 76.9  | 80.2   | 83.3  | 86.2   | 88.7  | 90.9   | 92.8  | 94.8   |
| 27.5°  | 76.5   | 77.9  | 80.2   | 84.0  | 88.0   | 91.7  | 95.3   | 98.3  | 101.2  | 103.8 | 106.0  |
| 30°    | 87.5   | 89.8  | 92.2   | 95.1  | 98.0   | 101.7 | 106.0  | 109.8 | 113.3  | 116.3 | 119.0  |
| 32.5°  | 98.6   | 101.2 | 104.5  | 107.7 | 111.6  | 115.3 | 119.1  | 122.9 | 126.5  | 129.2 | 131.7  |
| 35°    | 109.4  | 112.8 | 116.5  | 120.7 | 124.9  | 129.3 | 133.5  | 136.5 | 139.1  | 142.5 | 146.8  |
| 37.5°  | 120.2  | 124.0 | 128.6  | 133.4 | 138.3  | 142.7 | 146.4  | 150.1 | 154.2  | 158.7 | 163.0  |
| 40°    | 130.6  | 135.5 | 140.5  | 146.0 | 151.0  | 155.5 | 160.1  | 164.9 | 170.2  | 175.7 | 181.7  |
| 42.5°  | 141.4  | 146.6 | 152.4  | 158.1 | 163.4  | 168.8 | 174.0  | 180.4 | 187.3  | 194.9 | 203.0  |
| 45°    | 151.6  | 157.8 | 164.0  | 170.2 | 176.1  | 181.8 | 188.9  | 196.3 | 205.4  | 215.3 | 227.1  |
| 47.5°  | 162.1  | 168.7 | 175.7  | 182.1 | 188.2  | 195.7 | 203.7  | 213.4 | 224.7  | 237.3 | 254.4  |
| 50°    | 173.5  | 179.8 | 187.2  | 193.6 | 201.0  | 209.2 | 219.3  | 231.0 | 244.8  | 263.6 | 284.2  |
| 52.5°  | 202.5  | 202.6 | 203.1  | 205.0 | 213.7  | 223.3 | 234.8  | 248.7 | 268.4  | 290.8 | 315.9  |
| 55°    | 229.3  | 227.2 | 226.2  | 227.4 | 231.3  | 237.6 | 249.6  | 269.3 | 292.4  | 318.9 | 350.4  |
| 57.5°  | 253.7  | 249.6 | 247.5  | 248.0 | 251.5  | 259.0 | 271.8  | 290.1 | 316.9  | 349.3 | 385.1  |
| 60°    | 275.8  | 269.9 | 267.1  | 267.0 | 270.9  | 279.5 | 295.8  | 318.2 | 345.8  | 378.7 | 421.1  |
| 62.5°  | 296.6  | 289.2 | 284.8  | 283.7 | 289.2  | 301.3 | 319.9  | 344.5 | 376.2  | 414.7 | 457.1  |
| 65°    | 316.0  | 307.1 | 301.4  | 300.4 | 306.7  | 320.4 | 342.2  | 371.0 | 406.6  | 448.3 | 494.9  |
| 67.5°  | 334.0  | 323.6 | 316.3  | 316.6 | 324.6  | 340.0 | 363.4  | 394.2 | 434.3  | 480.6 | 532.4  |
| 70°    | 351.4  | 338.9 | 329.5  | 331.5 | 340.3  | 357.9 | 383.7  | 418.1 | 460.6  | 510.0 | 568.6  |
| 72.5°  | 361.9  | 350.5 | 343.4  | 346.1 | 354.6  | 374.3 | 401.0  | 438.5 | 484.3  | 538.6 | 598.8  |
| 75°    | 369.7  | 359.1 | 355.6  | 360.1 | 370.3  | 389.9 | 418.2  | 456.4 | 504.3  | 563.2 | 622.5  |
| 77.5°  | 377.8  | 368.4 | 368.1  | 373.3 | 384.7  | 405.9 | 436.4  | 475.5 | 524.8  | 582.7 | 638.7  |
| 80°    | 386.0  | 378.2 | 380.7  | 385.9 | 397.9  | 420.5 | 451.8  | 490.7 | 541.5  | 598.7 | 656.8  |
| 82.5°  | 394.6  | 388.5 | 393.3  | 397.9 | 409.9  | 433.7 | 464.7  | 502.2 | 553.8  | 611.5 | 670.4  |
| 85°    | 403.5  | 399.2 | 406.0  | 409.5 | 421.0  | 445.6 | 475.4  | 510.4 | 562.1  | 620.7 | 679.5  |
| 87.5°  | 412.5  | 410.0 | 418.6  | 420.8 | 431.5  | 456.7 | 484.9  | 516.9 | 568.3  | 628.3 | 686.3  |
| 90°    | 422.3  | 421.1 | 430.7  | 431.9 | 441.0  | 465.6 | 491.4  | 519.6 | 568.3  | 628.4 | 684.9  |
| 92.5°  | 412.5  | 410.0 | 418.6  | 420.8 | 431.5  | 456.7 | 484.9  | 516.9 | 568.3  | 628.3 | 686.3  |
| 95°    | 403.5  | 399.2 | 406.0  | 409.5 | 421.0  | 445.6 | 475.4  | 510.4 | 562.1  | 620.7 | 679.5  |
| 97.5°  | 394.6  | 388.5 | 393.3  | 397.9 | 409.9  | 433.7 | 464.7  | 502.2 | 553.8  | 611.5 | 670.4  |
| 100°   | 386.0  | 378.2 | 380.7  | 385.9 | 397.9  | 420.5 | 451.8  | 490.7 | 541.5  | 598.7 | 656.8  |
| 102.5° | 377.8  | 368.4 | 368.1  | 373.3 | 384.7  | 405.9 | 436.4  | 475.5 | 524.8  | 582.7 | 638.7  |
| 105°   | 369.7  | 359.1 | 355.6  | 360.1 | 370.3  | 389.9 | 418.2  | 456.4 | 504.3  | 563.2 | 622.5  |
| 107.5° | 361.9  | 350.5 | 343.4  | 346.1 | 354.6  | 374.3 | 401.0  | 438.5 | 484.3  | 538.6 | 598.8  |
| 110°   | 351.4  | 338.9 | 329.5  | 331.5 | 340.3  | 357.9 | 383.7  | 418.1 | 460.6  | 510.0 | 568.6  |



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CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 302.5° | 305°  | 307.5° | 310°  | 312.5° | 315°  | 317.5° | 320°  | 322.5° | 325°  | 327.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 112.5° | 334.0  | 323.6 | 316.3  | 316.6 | 324.6  | 340.0 | 363.4  | 394.2 | 434.3  | 480.6 | 532.4  |
| 115°   | 316.0  | 307.1 | 301.4  | 300.4 | 306.7  | 320.4 | 342.2  | 371.0 | 406.6  | 448.3 | 494.9  |
| 117.5° | 296.6  | 289.2 | 284.8  | 283.7 | 289.2  | 301.3 | 319.9  | 344.5 | 376.2  | 414.7 | 457.1  |
| 120°   | 275.8  | 269.9 | 267.1  | 267.0 | 270.9  | 279.5 | 295.8  | 318.2 | 345.8  | 378.7 | 421.1  |
| 122.5° | 253.7  | 249.6 | 247.5  | 248.0 | 251.5  | 259.0 | 271.8  | 290.1 | 316.9  | 349.3 | 385.1  |
| 125°   | 229.3  | 227.2 | 226.2  | 227.4 | 231.3  | 237.6 | 249.6  | 269.3 | 292.4  | 318.9 | 350.4  |
| 127.5° | 202.5  | 202.6 | 203.1  | 205.0 | 213.7  | 223.3 | 234.8  | 248.7 | 268.4  | 290.8 | 315.9  |
| 130°   | 173.5  | 179.8 | 187.2  | 193.6 | 201.0  | 209.2 | 219.3  | 231.0 | 244.8  | 263.6 | 284.2  |
| 132.5° | 162.1  | 168.7 | 175.7  | 182.1 | 188.2  | 195.7 | 203.7  | 213.4 | 224.7  | 237.3 | 254.4  |
| 135°   | 151.6  | 157.8 | 164.0  | 170.2 | 176.1  | 181.8 | 188.9  | 196.3 | 205.4  | 215.3 | 227.1  |
| 137.5° | 141.4  | 146.6 | 152.4  | 158.1 | 163.4  | 168.8 | 174.0  | 180.4 | 187.3  | 194.9 | 203.0  |
| 140°   | 130.6  | 135.5 | 140.5  | 146.0 | 151.0  | 155.5 | 160.1  | 164.9 | 170.2  | 175.7 | 181.7  |
| 142.5° | 120.2  | 124.0 | 128.6  | 133.4 | 138.3  | 142.7 | 146.4  | 150.1 | 154.2  | 158.7 | 163.0  |
| 145°   | 109.4  | 112.8 | 116.5  | 120.7 | 124.9  | 129.3 | 133.5  | 136.5 | 139.1  | 142.5 | 146.8  |
| 147.5° | 98.6   | 101.2 | 104.5  | 107.7 | 111.6  | 115.3 | 119.1  | 122.9 | 126.5  | 129.2 | 131.7  |
| 150°   | 87.5   | 89.8  | 92.2   | 95.1  | 98.0   | 101.7 | 106.0  | 109.8 | 113.3  | 116.3 | 119.0  |
| 152.5° | 76.5   | 77.9  | 80.2   | 84.0  | 88.0   | 91.7  | 95.3   | 98.3  | 101.2  | 103.8 | 106.0  |
| 155°   | 68.5   | 71.0  | 73.8   | 76.9  | 80.2   | 83.3  | 86.2   | 88.7  | 90.9   | 92.8  | 94.8   |
| 157.5° | 62.8   | 65.4  | 67.8   | 70.2  | 72.7   | 75.5  | 78.2   | 80.7  | 83.0   | 84.7  | 86.0   |
| 160°   | 56.5   | 58.8  | 61.2   | 63.5  | 65.7   | 67.9  | 70.1   | 72.3  | 74.4   | 76.4  | 78.3   |
| 162.5° | 49.7   | 52.0  | 53.8   | 55.9  | 57.8   | 59.8  | 61.7   | 63.5  | 65.4   | 67.2  | 68.9   |
| 165°   | 42.7   | 44.5  | 46.2   | 47.9  | 49.5   | 51.1  | 52.7   | 54.2  | 55.6   | 57.0  | 58.3   |
| 167.5° | 35.6   | 37.0  | 38.4   | 39.8  | 41.2   | 42.4  | 43.6   | 44.7  | 45.7   | 46.8  | 47.8   |
| 170°   | 28.2   | 29.4  | 30.6   | 31.7  | 32.7   | 33.7  | 34.6   | 35.5  | 36.3   | 37.0  | 37.7   |
| 172.5° | 20.6   | 21.5  | 22.4   | 23.2  | 24.0   | 24.8  | 25.5   | 26.1  | 26.7   | 27.2  | 27.7   |
| 175°   | 12.9   | 13.6  | 14.1   | 14.7  | 15.2   | 15.7  | 16.2   | 16.6  | 17.0   | 17.3  | 17.6   |
| 177.5° | 6.4    | 6.6   | 6.8    | 7.0   | 7.2    | 7.4   | 7.5    | 7.7   | 7.8    | 7.9   | 8.0    |
| 180°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 332.5° | 335°  | 337.5° | 340°  | 342.5° | 345°  | 347.5° | 350°   | 352.5° | 355°   |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|
| 0°     | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    |
| 2.5°   | 8.1   | 8.1    | 8.2   | 8.2    | 8.2   | 8.2    | 8.5   | 8.4    | 8.3    | 8.1    | 8.0    |
| 5°     | 17.9  | 18.1   | 18.3  | 18.4   | 18.6  | 18.6   | 18.7  | 18.6   | 18.9   | 18.7   | 18.5   |
| 7.5°   | 28.1  | 28.5   | 28.8  | 29.1   | 29.3  | 29.5   | 29.5  | 29.6   | 29.5   | 29.7   | 29.4   |
| 10°    | 38.3  | 38.8   | 39.3  | 39.7   | 40.0  | 40.2   | 40.4  | 40.5   | 40.5   | 40.7   | 40.4   |
| 12.5°  | 48.7  | 49.6   | 50.3  | 51.0   | 51.6  | 52.0   | 52.4  | 52.7   | 52.8   | 52.9   | 53.0   |
| 15°    | 59.6  | 60.9   | 62.0  | 63.1   | 64.1  | 65.0   | 65.7  | 66.3   | 66.8   | 67.2   | 67.7   |
| 17.5°  | 70.6  | 71.9   | 73.1  | 74.2   | 75.1  | 75.9   | 76.6  | 77.1   | 77.5   | 77.7   | 78.0   |
| 20°    | 79.9  | 81.2   | 81.9  | 82.3   | 82.6  | 82.6   | 82.5  | 82.2   | 81.8   | 81.3   | 80.8   |
| 22.5°  | 87.1  | 87.8   | 88.6  | 89.3   | 89.7  | 89.8   | 89.7  | 89.3   | 88.7   | 88.0   | 87.2   |
| 25°    | 96.4  | 97.6   | 98.5  | 99.1   | 99.4  | 99.4   | 99.0  | 98.3   | 97.4   | 96.2   | 94.7   |
| 27.5°  | 107.8 | 109.1  | 110.0 | 110.7  | 111.4 | 111.8  | 111.8 | 111.6  | 111.0  | 110.2  | 109.0  |
| 30°    | 120.6 | 122.3  | 123.7 | 124.8  | 127.1 | 129.1  | 130.7 | 132.0  | 132.8  | 133.2  | 133.0  |
| 32.5°  | 134.3 | 137.9  | 141.3 | 144.5  | 147.8 | 150.9  | 153.7 | 156.0  | 157.7  | 158.9  | 159.5  |
| 35°    | 151.1 | 155.9  | 160.8 | 165.4  | 170.0 | 175.5  | 180.5 | 184.9  | 188.7  | 191.7  | 193.8  |
| 37.5°  | 168.9 | 175.1  | 182.7 | 190.0  | 197.1 | 205.1  | 212.8 | 219.6  | 225.5  | 230.4  | 234.1  |
| 40°    | 188.9 | 197.3  | 207.8 | 218.6  | 228.8 | 239.8  | 251.0 | 261.0  | 269.6  | 276.8  | 282.3  |
| 42.5°  | 213.1 | 223.7  | 236.7 | 252.6  | 267.5 | 281.7  | 295.9 | 308.6  | 319.6  | 328.9  | 336.3  |
| 45°    | 240.1 | 256.7  | 272.8 | 291.7  | 310.4 | 329.6  | 346.3 | 363.4  | 378.2  | 390.6  | 400.5  |
| 47.5°  | 272.8 | 293.0  | 313.4 | 335.0  | 359.7 | 382.8  | 406.0 | 428.3  | 448.0  | 464.6  | 478.1  |
| 50°    | 307.4 | 331.6  | 359.2 | 386.1  | 416.4 | 446.2  | 475.0 | 503.0  | 526.7  | 546.2  | 561.2  |
| 52.5°  | 344.7 | 375.1  | 409.2 | 443.6  | 481.3 | 519.7  | 554.1 | 588.5  | 618.1  | 642.4  | 661.3  |
| 55°    | 383.9 | 422.3  | 462.5 | 507.0  | 553.0 | 602.4  | 646.0 | 676.3  | 702.0  | 725.3  | 745.2  |
| 57.5°  | 425.9 | 470.6  | 518.5 | 572.2  | 630.2 | 671.2  | 708.3 | 739.5  | 768.2  | 794.8  | 818.5  |
| 60°    | 467.5 | 517.8  | 574.6 | 631.8  | 683.1 | 724.8  | 760.0 | 792.9  | 824.0  | 853.3  | 880.2  |
| 62.5°  | 505.6 | 562.7  | 626.1 | 686.6  | 731.4 | 771.3  | 804.4 | 836.2  | 867.8  | 898.3  | 926.7  |
| 65°    | 546.5 | 608.2  | 677.4 | 728.2  | 770.4 | 807.5  | 840.0 | 870.1  | 902.7  | 936.1  | 965.3  |
| 67.5°  | 591.0 | 660.3  | 714.7 | 760.0  | 799.7 | 835.5  | 870.4 | 905.1  | 937.9  | 970.3  | 998.3  |
| 70°    | 632.6 | 692.9  | 743.9 | 784.8  | 822.2 | 860.1  | 898.1 | 935.1  | 970.2  | 1002.1 | 1028.7 |
| 72.5°  | 661.7 | 719.7  | 767.9 | 806.1  | 842.9 | 880.3  | 921.4 | 961.2  | 1000.3 | 1032.1 | 1055.7 |
| 75°    | 683.2 | 739.6  | 784.8 | 823.5  | 862.3 | 901.2  | 940.8 | 982.5  | 1020.7 | 1057.0 | 1084.2 |
| 77.5°  | 699.7 | 758.4  | 796.8 | 837.9  | 878.7 | 919.9  | 959.8 | 997.3  | 1039.5 | 1078.6 | 1110.6 |
| 80°    | 716.5 | 767.7  | 806.0 | 848.7  | 890.7 | 935.4  | 973.3 | 1013.7 | 1054.0 | 1095.3 | 1125.4 |
| 82.5°  | 731.4 | 777.1  | 816.9 | 857.8  | 899.4 | 940.9  | 981.9 | 1024.7 | 1067.8 | 1112.2 | 1138.1 |
| 85°    | 741.9 | 783.2  | 823.7 | 864.1  | 907.0 | 949.1  | 989.1 | 1029.6 | 1074.7 | 1119.6 | 1152.4 |
| 87.5°  | 750.3 | 786.1  | 826.2 | 865.9  | 909.4 | 954.7  | 995.8 | 1038.5 | 1080.4 | 1123.9 | 1147.8 |
| 90°    | 749.1 | 785.8  | 824.8 | 863.3  | 906.5 | 955.2  | 996.0 | 1039.3 | 1081.4 | 1124.6 | 1143.2 |
| 92.5°  | 750.3 | 786.1  | 826.2 | 865.9  | 909.4 | 954.7  | 995.8 | 1038.5 | 1080.4 | 1123.9 | 1147.8 |
| 95°    | 741.9 | 783.2  | 823.7 | 864.1  | 907.0 | 949.1  | 989.1 | 1029.6 | 1074.7 | 1119.6 | 1152.4 |
| 97.5°  | 731.4 | 777.1  | 816.9 | 857.8  | 899.4 | 940.9  | 981.9 | 1024.7 | 1067.8 | 1112.2 | 1138.1 |
| 100°   | 716.5 | 767.7  | 806.0 | 848.7  | 890.7 | 935.4  | 973.3 | 1013.7 | 1054.0 | 1095.3 | 1125.4 |
| 102.5° | 699.7 | 758.4  | 796.8 | 837.9  | 878.7 | 919.9  | 959.8 | 997.3  | 1039.5 | 1078.6 | 1110.6 |
| 105°   | 683.2 | 739.6  | 784.8 | 823.5  | 862.3 | 901.2  | 940.8 | 982.5  | 1020.7 | 1057.0 | 1084.2 |
| 107.5° | 661.7 | 719.7  | 767.9 | 806.1  | 842.9 | 880.3  | 921.4 | 961.2  | 1000.3 | 1032.1 | 1055.7 |
| 110°   | 632.6 | 692.9  | 743.9 | 784.8  | 822.2 | 860.1  | 898.1 | 935.1  | 970.2  | 1002.1 | 1028.7 |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 332.5° | 335°  | 337.5° | 340°  | 342.5° | 345°  | 347.5° | 350°  | 352.5° | 355°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 591.0 | 660.3  | 714.7 | 760.0  | 799.7 | 835.5  | 870.4 | 905.1  | 937.9 | 970.3  | 998.3 |
| 115°   | 546.5 | 608.2  | 677.4 | 728.2  | 770.4 | 807.5  | 840.0 | 870.1  | 902.7 | 936.1  | 965.3 |
| 117.5° | 505.6 | 562.7  | 626.1 | 686.6  | 731.4 | 771.3  | 804.4 | 836.2  | 867.8 | 898.3  | 926.7 |
| 120°   | 467.5 | 517.8  | 574.6 | 631.8  | 683.1 | 724.8  | 760.0 | 792.9  | 824.0 | 853.3  | 880.2 |
| 122.5° | 425.9 | 470.6  | 518.5 | 572.2  | 630.2 | 671.2  | 708.3 | 739.5  | 768.2 | 794.8  | 818.5 |
| 125°   | 383.9 | 422.3  | 462.5 | 507.0  | 553.0 | 602.4  | 646.0 | 676.3  | 702.0 | 725.3  | 745.2 |
| 127.5° | 344.7 | 375.1  | 409.2 | 443.6  | 481.3 | 519.7  | 554.1 | 588.5  | 618.1 | 642.4  | 661.3 |
| 130°   | 307.4 | 331.6  | 359.2 | 386.1  | 416.4 | 446.2  | 475.0 | 503.0  | 526.7 | 546.2  | 561.2 |
| 132.5° | 272.8 | 293.0  | 313.4 | 335.0  | 359.7 | 382.8  | 406.0 | 428.3  | 448.0 | 464.6  | 478.1 |
| 135°   | 240.1 | 256.7  | 272.8 | 291.7  | 310.4 | 329.6  | 346.3 | 363.4  | 378.2 | 390.6  | 400.5 |
| 137.5° | 213.1 | 223.7  | 236.7 | 252.6  | 267.5 | 281.7  | 295.9 | 308.6  | 319.6 | 328.9  | 336.3 |
| 140°   | 188.9 | 197.3  | 207.8 | 218.6  | 228.8 | 239.8  | 251.0 | 261.0  | 269.6 | 276.8  | 282.3 |
| 142.5° | 168.9 | 175.1  | 182.7 | 190.0  | 197.1 | 205.1  | 212.8 | 219.6  | 225.5 | 230.4  | 234.1 |
| 145°   | 151.1 | 155.9  | 160.8 | 165.4  | 170.0 | 175.5  | 180.5 | 184.9  | 188.7 | 191.7  | 193.8 |
| 147.5° | 134.3 | 137.9  | 141.3 | 144.5  | 147.8 | 150.9  | 153.7 | 156.0  | 157.7 | 158.9  | 159.5 |
| 150°   | 120.6 | 122.3  | 123.7 | 124.8  | 127.1 | 129.1  | 130.7 | 132.0  | 132.8 | 133.2  | 133.0 |
| 152.5° | 107.8 | 109.1  | 110.0 | 110.7  | 111.4 | 111.8  | 111.8 | 111.6  | 111.0 | 110.2  | 109.0 |
| 155°   | 96.4  | 97.6   | 98.5  | 99.1   | 99.4  | 99.4   | 99.0  | 98.3   | 97.4  | 96.2   | 94.7  |
| 157.5° | 87.1  | 87.8   | 88.6  | 89.3   | 89.7  | 89.8   | 89.7  | 89.3   | 88.7  | 88.0   | 87.2  |
| 160°   | 79.9  | 81.2   | 81.9  | 82.3   | 82.6  | 82.6   | 82.5  | 82.2   | 81.8  | 81.3   | 80.8  |
| 162.5° | 70.6  | 71.9   | 73.1  | 74.2   | 75.1  | 75.9   | 76.6  | 77.1   | 77.5  | 77.7   | 78.0  |
| 165°   | 59.6  | 60.9   | 62.0  | 63.1   | 64.1  | 65.0   | 65.7  | 66.3   | 66.8  | 67.2   | 67.7  |
| 167.5° | 48.7  | 49.6   | 50.3  | 51.0   | 51.6  | 52.0   | 52.4  | 52.7   | 52.8  | 52.9   | 53.0  |
| 170°   | 38.3  | 38.8   | 39.3  | 39.7   | 40.0  | 40.2   | 40.4  | 40.5   | 40.5  | 40.7   | 40.4  |
| 172.5° | 28.1  | 28.5   | 28.8  | 29.1   | 29.3  | 29.5   | 29.5  | 29.6   | 29.5  | 29.7   | 29.4  |
| 175°   | 17.9  | 18.1   | 18.3  | 18.4   | 18.6  | 18.6   | 18.7  | 18.6   | 18.9  | 18.7   | 18.5  |
| 177.5° | 8.1   | 8.1    | 8.2   | 8.2    | 8.2   | 8.2    | 8.5   | 8.4    | 8.3   | 8.1    | 8.0   |
| 180°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |



TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360°   |
|--------|--------|--------|
| 0°     | 0.0    | 0.0    |
| 2.5°   | 7.9    | 7.8    |
| 5°     | 18.2   | 18.0   |
| 7.5°   | 29.1   | 28.8   |
| 10°    | 40.0   | 39.6   |
| 12.5°  | 52.7   | 52.3   |
| 15°    | 67.5   | 67.3   |
| 17.5°  | 77.8   | 77.5   |
| 20°    | 80.1   | 79.3   |
| 22.5°  | 86.0   | 84.7   |
| 25°    | 93.2   | 91.3   |
| 27.5°  | 107.7  | 105.7  |
| 30°    | 132.6  | 131.0  |
| 32.5°  | 159.8  | 158.6  |
| 35°    | 195.6  | 195.2  |
| 37.5°  | 237.4  | 237.9  |
| 40°    | 287.2  | 288.4  |
| 42.5°  | 342.7  | 344.8  |
| 45°    | 409.2  | 412.1  |
| 47.5°  | 490.0  | 494.4  |
| 50°    | 573.9  | 577.9  |
| 52.5°  | 677.5  | 681.9  |
| 55°    | 763.7  | 772.0  |
| 57.5°  | 841.1  | 853.7  |
| 60°    | 906.2  | 922.8  |
| 62.5°  | 952.4  | 974.4  |
| 65°    | 990.4  | 1011.7 |
| 67.5°  | 1021.9 | 1041.7 |
| 70°    | 1050.0 | 1066.9 |
| 72.5°  | 1073.3 | 1086.2 |
| 75°    | 1100.9 | 1112.0 |
| 77.5°  | 1123.2 | 1129.4 |
| 80°    | 1137.4 | 1141.4 |
| 82.5°  | 1147.8 | 1148.6 |
| 85°    | 1156.0 | 1148.6 |
| 87.5°  | 1161.9 | 1156.4 |
| 90°    | 1161.9 | 1170.3 |
| 92.5°  | 1161.9 | 1156.4 |
| 95°    | 1156.0 | 1148.6 |
| 97.5°  | 1147.8 | 1148.6 |
| 100°   | 1137.4 | 1141.4 |
| 102.5° | 1123.2 | 1129.4 |
| 105°   | 1100.9 | 1112.0 |
| 107.5° | 1073.3 | 1086.2 |
| 110°   | 1050.0 | 1066.9 |





TEST NUMBER: P231933

CATALOG NUMBER: FVS4WM-2-LD4-35-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360°   |
|--------|--------|--------|
| 112.5° | 1021.9 | 1041.7 |
| 115°   | 990.4  | 1011.7 |
| 117.5° | 952.4  | 974.4  |
| 120°   | 906.2  | 922.8  |
| 122.5° | 841.1  | 853.7  |
| 125°   | 763.7  | 772.0  |
| 127.5° | 677.5  | 681.9  |
| 130°   | 573.9  | 577.9  |
| 132.5° | 490.0  | 494.4  |
| 135°   | 409.2  | 412.1  |
| 137.5° | 342.7  | 344.8  |
| 140°   | 287.2  | 288.4  |
| 142.5° | 237.4  | 237.9  |
| 145°   | 195.6  | 195.2  |
| 147.5° | 159.8  | 158.6  |
| 150°   | 132.6  | 131.0  |
| 152.5° | 107.7  | 105.7  |
| 155°   | 93.2   | 91.3   |
| 157.5° | 86.0   | 84.7   |
| 160°   | 80.1   | 79.3   |
| 162.5° | 77.8   | 77.5   |
| 165°   | 67.5   | 67.3   |
| 167.5° | 52.7   | 52.3   |
| 170°   | 40.0   | 39.6   |
| 172.5° | 29.1   | 28.8   |
| 175°   | 18.2   | 18.0   |
| 177.5° | 7.9    | 7.8    |
| 180°   | 0.0    | 0.0    |

(END OF REPORT)