

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: P231947

Luminaire Tested: **FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-13)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
4FT LENGTH, 1-MODULE LED WITH P125 LENS  
Light Source: (84) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

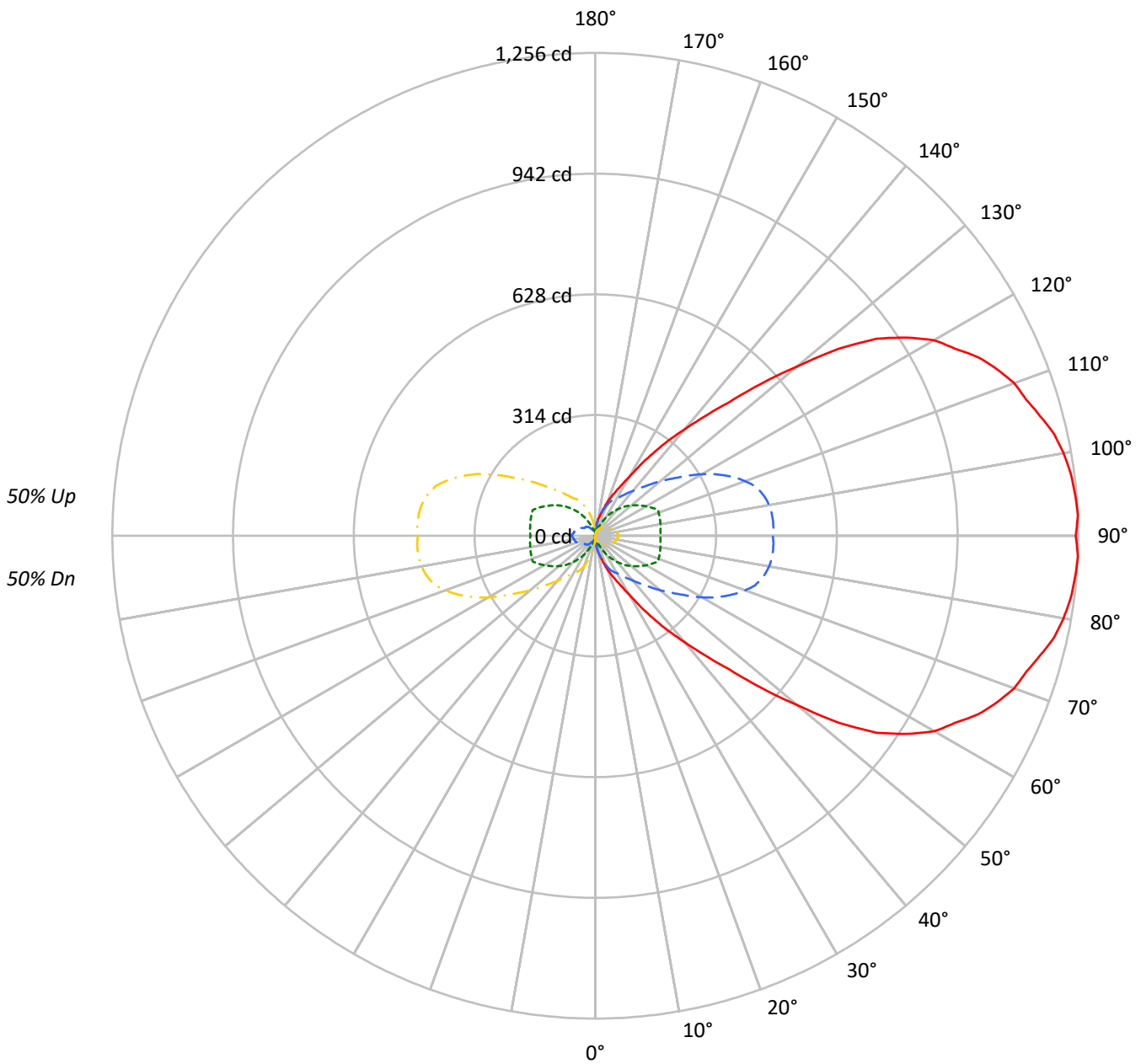
Lumens per Lamp: N/A  
Luminaire Lumens: 2937.7 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 24.15 / 15.62 / 16.26  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 23.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot



— 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  | 53  | 72 | 63 | 55 | 48 | 51 | 45 | 39 | 40 | 35 | 31 | 30 | 26 | 23 | 18 |
| 3   | 71  | 59  | 49  | 41  | 64 | 53 | 44 | 37 | 43 | 36 | 30 | 33 | 28 | 23 | 24 | 20 | 17 | 12 |
| 4   | 64  | 50  | 40  | 33  | 58 | 46 | 37 | 30 | 37 | 30 | 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 | 27 | 20 | 28 | 21 | 16 | 22 | 16 | 12 | 16 | 12 | 8  | 5  |
| 7   | 49  | 35  | 25  | 19  | 44 | 32 | 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  | 36 | 23 | 16 | 11 | 19 | 13 | 9  | 15 | 10 | 6  | 11 | 7  | 4  | 2  |

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

|     | 0°    | 90°   | 180° | 270°  |
|-----|-------|-------|------|-------|
| 0°  | 11    | 11    | 11   | 11    |
| 5°  | 325   | 101   | 9    | 101   |
| 10° | 535   | 192   | 8    | 192   |
| 15° | 680   | 288   | 8    | 288   |
| 20° | 942   | 388   | 7    | 388   |
| 25° | 1200  | 589   | 7    | 589   |
| 30° | 1580  | 906   | 6    | 906   |
| 35° | 2229  | 1256  | 6    | 1256  |
| 40° | 2971  | 1656  | 6    | 1656  |
| 45° | 3936  | 2121  | 6    | 2121  |
| 50° | 5405  | 2627  | 6    | 2627  |
| 55° | 6979  | 3254  | 5    | 3254  |
| 60° | 7926  | 4057  | 5    | 4057  |
| 65° | 8605  | 5127  | 10   | 5127  |
| 70° | 9201  | 6324  | 10   | 6324  |
| 75° | 9711  | 7766  | 11   | 7766  |
| 80° | 10313 | 10214 | 0    | 10214 |
| 85° | 10849 | 15234 | 0    | 15234 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.4    | 0.0       |
| 10°-20°   | 9.5    | 0.3       |
| 20°-30°   | 26.6   | 0.9       |
| 30°-40°   | 59.1   | 2.0       |
| 40°-50°   | 115.3  | 3.9       |
| 50°-60°   | 204.0  | 6.9       |
| 60°-70°   | 297.1  | 10.1      |
| 70°-80°   | 361.6  | 12.3      |
| 80°-90°   | 394.2  | 13.4      |
| 90°-100°  | 394.2  | 13.4      |
| 100°-110° | 361.6  | 12.3      |
| 110°-120° | 297.1  | 10.1      |
| 120°-130° | 204.0  | 6.9       |
| 130°-140° | 115.3  | 3.9       |
| 140°-150° | 59.1   | 2.0       |
| 150°-160° | 26.6   | 0.9       |
| 160°-170° | 9.5    | 0.3       |
| 170°-180° | 1.4    | 0.0       |
| 0°-30°    | 37.6   | 1.3       |
| 0°-40°    | 96.7   | 3.3       |
| 0°-60°    | 416.0  | 14.2      |
| 0°-90°    | 1468.8 | 50.0      |
| 90°-120°  | 1052.9 | 35.8      |
| 90°-150°  | 1431.2 | 48.7      |
| 90°-180°  | 1469.0 | 50.0      |
| 0°-180°   | 2937.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0°   | 1    | 1   | 1    | 1    | 1    |      |
| 5°   | 24   | 7   | 1    | 7    | 24   | 3    |
| 15°  | 63   | 19  | 1    | 19   | 63   | 19   |
| 25°  | 128  | 37  | 1    | 37   | 128  | 62   |
| 35°  | 261  | 72  | 1    | 72   | 261  | 169  |
| 45°  | 490  | 107 | 1    | 107  | 490  | 394  |
| 55°  | 894  | 138 | 1    | 138  | 894  | 789  |
| 65°  | 1099 | 168 | 1    | 168  | 1099 | 1086 |
| 75°  | 1199 | 174 | 1    | 174  | 1199 | 1268 |
| 85°  | 1252 | 170 | 0    | 170  | 1252 | 1020 |
| 90°  | 1250 | 169 | 0    | 169  | 1250 | 687  |
| 95°  | 1252 | 170 | 0    | 170  | 1252 | 1020 |
| 105° | 1199 | 174 | 1    | 174  | 1199 | 1268 |
| 115° | 1099 | 168 | 1    | 168  | 1099 | 1086 |
| 125° | 894  | 138 | 1    | 138  | 894  | 789  |
| 135° | 490  | 107 | 1    | 107  | 490  | 394  |
| 145° | 261  | 72  | 1    | 72   | 261  | 169  |
| 155° | 128  | 37  | 1    | 37   | 128  | 62   |
| 165° | 63   | 19  | 1    | 19   | 63   | 19   |
| 175° | 24   | 7   | 1    | 7    | 24   | 3    |
| 180° | 0    | 0   | 0    | 0    | 0    |      |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 25°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 2.5°   | 11.2   | 11.3   | 11.5   | 11.6   | 11.7   | 11.8   | 11.9   | 11.6   | 11.6   | 11.5   | 11.4   |
| 5°     | 24.5   | 24.7   | 25.0   | 25.2   | 25.4   | 25.0   | 25.0   | 24.9   | 24.7   | 24.5   | 24.3   |
| 7.5°   | 35.1   | 35.5   | 35.9   | 36.3   | 36.1   | 36.2   | 36.3   | 36.2   | 36.1   | 36.0   | 35.7   |
| 10°    | 45.0   | 45.6   | 46.2   | 46.7   | 46.7   | 46.9   | 47.0   | 47.1   | 47.0   | 46.9   | 46.6   |
| 12.5°  | 52.3   | 53.2   | 54.1   | 54.6   | 55.2   | 55.8   | 56.2   | 56.5   | 56.7   | 56.8   | 56.7   |
| 15°    | 62.8   | 63.9   | 65.0   | 65.6   | 66.3   | 66.8   | 67.2   | 67.5   | 67.6   | 67.5   | 67.4   |
| 17.5°  | 77.4   | 78.4   | 79.4   | 79.6   | 80.0   | 80.2   | 80.3   | 80.2   | 80.0   | 79.7   | 79.3   |
| 20°    | 93.9   | 94.6   | 95.3   | 94.9   | 94.8   | 94.6   | 94.1   | 93.6   | 92.9   | 92.2   | 91.4   |
| 22.5°  | 110.5  | 110.8  | 111.1  | 110.2  | 109.6  | 108.8  | 107.9  | 106.8  | 105.6  | 104.3  | 102.9  |
| 25°    | 127.7  | 127.7  | 127.0  | 126.2  | 125.1  | 123.8  | 122.2  | 120.4  | 118.4  | 116.2  | 113.9  |
| 27.5°  | 148.8  | 148.5  | 147.2  | 145.7  | 143.9  | 141.6  | 139.1  | 136.2  | 133.0  | 129.5  | 126.3  |
| 30°    | 177.3  | 176.5  | 174.4  | 171.9  | 168.9  | 165.2  | 161.0  | 156.4  | 151.2  | 145.7  | 141.3  |
| 32.5°  | 217.6  | 216.1  | 212.5  | 208.5  | 203.5  | 197.6  | 190.9  | 183.5  | 175.4  | 167.7  | 160.9  |
| 35°    | 261.3  | 259.6  | 255.3  | 250.3  | 244.1  | 236.6  | 228.0  | 218.2  | 207.3  | 197.0  | 186.6  |
| 37.5°  | 310.9  | 308.9  | 303.6  | 297.5  | 289.9  | 280.7  | 270.2  | 258.2  | 245.2  | 232.2  | 218.0  |
| 40°    | 360.5  | 358.8  | 353.5  | 347.1  | 338.9  | 328.7  | 316.6  | 302.5  | 287.4  | 271.5  | 254.5  |
| 42.5°  | 420.1  | 419.0  | 412.9  | 405.7  | 395.8  | 383.5  | 368.6  | 351.3  | 333.9  | 315.0  | 294.2  |
| 45°    | 490.2  | 489.2  | 482.0  | 473.3  | 461.6  | 446.9  | 429.4  | 411.7  | 388.3  | 364.7  | 339.6  |
| 47.5°  | 585.4  | 582.0  | 569.9  | 556.4  | 539.4  | 519.6  | 497.1  | 473.5  | 448.8  | 421.3  | 393.7  |
| 50°    | 685.3  | 680.2  | 665.1  | 647.9  | 626.5  | 601.1  | 572.1  | 542.8  | 512.9  | 480.8  | 449.0  |
| 52.5°  | 799.1  | 793.2  | 774.5  | 752.9  | 725.5  | 692.6  | 654.6  | 618.7  | 579.5  | 540.4  | 503.7  |
| 55°    | 893.7  | 889.8  | 873.6  | 853.8  | 827.2  | 793.7  | 753.3  | 705.3  | 651.2  | 603.2  | 558.1  |
| 57.5°  | 959.2  | 959.8  | 950.1  | 936.6  | 916.2  | 888.4  | 849.8  | 791.5  | 733.0  | 669.8  | 612.2  |
| 60°    | 1017.4 | 1018.0 | 1009.9 | 999.8  | 985.5  | 967.5  | 926.9  | 868.4  | 804.1  | 735.6  | 670.1  |
| 62.5°  | 1054.4 | 1054.6 | 1051.5 | 1044.8 | 1034.5 | 1020.7 | 980.8  | 932.1  | 867.7  | 797.3  | 724.1  |
| 65°    | 1098.7 | 1097.2 | 1092.0 | 1083.7 | 1072.8 | 1055.3 | 1024.6 | 982.0  | 922.4  | 851.5  | 773.7  |
| 67.5°  | 1131.2 | 1129.3 | 1124.4 | 1116.6 | 1106.4 | 1090.5 | 1065.7 | 1028.3 | 974.3  | 901.9  | 820.6  |
| 70°    | 1159.6 | 1157.1 | 1151.6 | 1143.4 | 1132.5 | 1118.3 | 1102.1 | 1070.4 | 1024.2 | 953.3  | 869.9  |
| 72.5°  | 1175.5 | 1177.1 | 1175.0 | 1167.9 | 1155.1 | 1139.7 | 1123.6 | 1104.5 | 1062.0 | 995.2  | 913.9  |
| 75°    | 1198.6 | 1198.5 | 1195.6 | 1188.3 | 1175.2 | 1157.9 | 1140.5 | 1123.4 | 1094.9 | 1029.0 | 947.0  |
| 77.5°  | 1222.4 | 1215.9 | 1209.0 | 1200.2 | 1187.9 | 1174.7 | 1158.4 | 1141.9 | 1114.9 | 1062.1 | 973.2  |
| 80°    | 1236.3 | 1229.2 | 1219.0 | 1207.7 | 1195.4 | 1185.7 | 1173.9 | 1159.8 | 1137.1 | 1089.1 | 997.1  |
| 82.5°  | 1246.9 | 1236.4 | 1226.2 | 1214.3 | 1205.9 | 1195.4 | 1183.7 | 1170.5 | 1149.5 | 1104.7 | 1022.3 |
| 85°    | 1252.2 | 1239.6 | 1228.7 | 1222.3 | 1213.4 | 1202.8 | 1189.4 | 1174.5 | 1155.3 | 1117.0 | 1037.3 |
| 87.5°  | 1256.2 | 1235.8 | 1233.8 | 1227.2 | 1215.4 | 1204.4 | 1191.6 | 1176.0 | 1158.2 | 1125.1 | 1042.0 |
| 90°    | 1249.6 | 1237.0 | 1231.0 | 1225.8 | 1212.5 | 1203.3 | 1191.4 | 1175.5 | 1157.6 | 1126.5 | 1036.6 |
| 92.5°  | 1256.2 | 1235.8 | 1233.8 | 1227.2 | 1215.4 | 1204.4 | 1191.6 | 1176.0 | 1158.2 | 1125.1 | 1042.0 |
| 95°    | 1252.2 | 1239.6 | 1228.7 | 1222.3 | 1213.4 | 1202.8 | 1189.4 | 1174.5 | 1155.3 | 1117.0 | 1037.3 |
| 97.5°  | 1246.9 | 1236.4 | 1226.2 | 1214.3 | 1205.9 | 1195.4 | 1183.7 | 1170.5 | 1149.5 | 1104.7 | 1022.3 |
| 100°   | 1236.3 | 1229.2 | 1219.0 | 1207.7 | 1195.4 | 1185.7 | 1173.9 | 1159.8 | 1137.1 | 1089.1 | 997.1  |
| 102.5° | 1222.4 | 1215.9 | 1209.0 | 1200.2 | 1187.9 | 1174.7 | 1158.4 | 1141.9 | 1114.9 | 1062.1 | 973.2  |
| 105°   | 1198.6 | 1198.5 | 1195.6 | 1188.3 | 1175.2 | 1157.9 | 1140.5 | 1123.4 | 1094.9 | 1029.0 | 947.0  |
| 107.5° | 1175.5 | 1177.1 | 1175.0 | 1167.9 | 1155.1 | 1139.7 | 1123.6 | 1104.5 | 1062.0 | 995.2  | 913.9  |
| 110°   | 1159.6 | 1157.1 | 1151.6 | 1143.4 | 1132.5 | 1118.3 | 1102.1 | 1070.4 | 1024.2 | 953.3  | 869.9  |



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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° | 1131.2 | 1129.3 | 1124.4 | 1116.6 | 1106.4 | 1090.5 | 1065.7 | 1028.3 | 974.3 | 901.9 | 820.6 |
| 115°   | 1098.7 | 1097.2 | 1092.0 | 1083.7 | 1072.8 | 1055.3 | 1024.6 | 982.0  | 922.4 | 851.5 | 773.7 |
| 117.5° | 1054.4 | 1054.6 | 1051.5 | 1044.8 | 1034.5 | 1020.7 | 980.8  | 932.1  | 867.7 | 797.3 | 724.1 |
| 120°   | 1017.4 | 1018.0 | 1009.9 | 999.8  | 985.5  | 967.5  | 926.9  | 868.4  | 804.1 | 735.6 | 670.1 |
| 122.5° | 959.2  | 959.8  | 950.1  | 936.6  | 916.2  | 888.4  | 849.8  | 791.5  | 733.0 | 669.8 | 612.2 |
| 125°   | 893.7  | 889.8  | 873.6  | 853.8  | 827.2  | 793.7  | 753.3  | 705.3  | 651.2 | 603.2 | 558.1 |
| 127.5° | 799.1  | 793.2  | 774.5  | 752.9  | 725.5  | 692.6  | 654.6  | 618.7  | 579.5 | 540.4 | 503.7 |
| 130°   | 685.3  | 680.2  | 665.1  | 647.9  | 626.5  | 601.1  | 572.1  | 542.8  | 512.9 | 480.8 | 449.0 |
| 132.5° | 585.4  | 582.0  | 569.9  | 556.4  | 539.4  | 519.6  | 497.1  | 473.5  | 448.8 | 421.3 | 393.7 |
| 135°   | 490.2  | 489.2  | 482.0  | 473.3  | 461.6  | 446.9  | 429.4  | 411.7  | 388.3 | 364.7 | 339.6 |
| 137.5° | 420.1  | 419.0  | 412.9  | 405.7  | 395.8  | 383.5  | 368.6  | 351.3  | 333.9 | 315.0 | 294.2 |
| 140°   | 360.5  | 358.8  | 353.5  | 347.1  | 338.9  | 328.7  | 316.6  | 302.5  | 287.4 | 271.5 | 254.5 |
| 142.5° | 310.9  | 308.9  | 303.6  | 297.5  | 289.9  | 280.7  | 270.2  | 258.2  | 245.2 | 232.2 | 218.0 |
| 145°   | 261.3  | 259.6  | 255.3  | 250.3  | 244.1  | 236.6  | 228.0  | 218.2  | 207.3 | 197.0 | 186.6 |
| 147.5° | 217.6  | 216.1  | 212.5  | 208.5  | 203.5  | 197.6  | 190.9  | 183.5  | 175.4 | 167.7 | 160.9 |
| 150°   | 177.3  | 176.5  | 174.4  | 171.9  | 168.9  | 165.2  | 161.0  | 156.4  | 151.2 | 145.7 | 141.3 |
| 152.5° | 148.8  | 148.5  | 147.2  | 145.7  | 143.9  | 141.6  | 139.1  | 136.2  | 133.0 | 129.5 | 126.3 |
| 155°   | 127.7  | 127.7  | 127.0  | 126.2  | 125.1  | 123.8  | 122.2  | 120.4  | 118.4 | 116.2 | 113.9 |
| 157.5° | 110.5  | 110.8  | 111.1  | 110.2  | 109.6  | 108.8  | 107.9  | 106.8  | 105.6 | 104.3 | 102.9 |
| 160°   | 93.9   | 94.6   | 95.3   | 94.9   | 94.8   | 94.6   | 94.1   | 93.6   | 92.9  | 92.2  | 91.4  |
| 162.5° | 77.4   | 78.4   | 79.4   | 79.6   | 80.0   | 80.2   | 80.3   | 80.2   | 80.0  | 79.7  | 79.3  |
| 165°   | 62.8   | 63.9   | 65.0   | 65.6   | 66.3   | 66.8   | 67.2   | 67.5   | 67.6  | 67.5  | 67.4  |
| 167.5° | 52.3   | 53.2   | 54.1   | 54.6   | 55.2   | 55.8   | 56.2   | 56.5   | 56.7  | 56.8  | 56.7  |
| 170°   | 45.0   | 45.6   | 46.2   | 46.7   | 46.7   | 46.9   | 47.0   | 47.1   | 47.0  | 46.9  | 46.6  |
| 172.5° | 35.1   | 35.5   | 35.9   | 36.3   | 36.1   | 36.2   | 36.3   | 36.2   | 36.1  | 36.0  | 35.7  |
| 175°   | 24.5   | 24.7   | 25.0   | 25.2   | 25.4   | 25.0   | 25.0   | 24.9   | 24.7  | 24.5  | 24.3  |
| 177.5° | 11.2   | 11.3   | 11.5   | 11.6   | 11.7   | 11.8   | 11.9   | 11.6   | 11.6  | 11.5  | 11.4  |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 27.5° | 30°   | 32.5° | 35°   | 37.5° | 40°   | 42.5° | 45°   | 47.5° | 50°   | 52.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 2.5°   | 11.3  | 11.2  | 11.1  | 11.0  | 10.8  | 10.6  | 10.4  | 10.2  | 9.9   | 9.7   | 9.4   |
| 5°     | 24.0  | 23.6  | 23.2  | 22.8  | 22.3  | 21.8  | 21.2  | 20.6  | 20.0  | 19.3  | 18.6  |
| 7.5°   | 35.4  | 35.1  | 34.6  | 34.1  | 33.5  | 32.9  | 32.2  | 31.5  | 30.6  | 29.6  | 28.5  |
| 10°    | 46.3  | 45.9  | 45.4  | 44.8  | 44.1  | 43.3  | 42.4  | 41.4  | 40.3  | 39.1  | 37.8  |
| 12.5°  | 56.6  | 56.3  | 55.9  | 55.4  | 54.6  | 53.7  | 52.6  | 51.4  | 50.1  | 48.7  | 47.1  |
| 15°    | 67.1  | 66.6  | 66.0  | 65.4  | 64.6  | 63.7  | 62.7  | 61.4  | 60.0  | 58.3  | 56.5  |
| 17.5°  | 78.8  | 78.2  | 77.5  | 76.7  | 75.6  | 74.5  | 73.1  | 71.6  | 69.9  | 68.1  | 66.0  |
| 20°    | 90.5  | 89.6  | 88.7  | 87.7  | 86.7  | 85.6  | 84.2  | 82.4  | 80.5  | 78.4  | 76.0  |
| 22.5°  | 101.5 | 100.2 | 98.9  | 97.6  | 96.3  | 95.1  | 93.8  | 92.5  | 91.3  | 88.8  | 86.2  |
| 25°    | 112.0 | 110.1 | 108.2 | 106.3 | 104.7 | 103.2 | 101.9 | 100.7 | 99.3  | 97.9  | 96.8  |
| 27.5°  | 123.3 | 120.3 | 117.2 | 114.4 | 112.3 | 110.3 | 108.7 | 107.2 | 106.0 | 104.9 | 103.6 |
| 30°    | 136.8 | 132.1 | 127.7 | 123.8 | 120.2 | 116.6 | 114.5 | 112.6 | 111.8 | 111.7 | 111.5 |
| 32.5°  | 153.8 | 146.4 | 140.3 | 134.7 | 129.1 | 124.7 | 122.1 | 120.1 | 119.5 | 118.8 | 118.5 |
| 35°    | 175.6 | 165.1 | 156.6 | 147.8 | 141.1 | 136.9 | 132.5 | 130.0 | 127.4 | 126.2 | 125.5 |
| 37.5°  | 202.9 | 189.7 | 176.8 | 167.0 | 158.7 | 150.9 | 145.3 | 140.5 | 136.9 | 134.2 | 132.6 |
| 40°    | 236.7 | 219.8 | 204.5 | 191.4 | 179.2 | 168.3 | 159.7 | 152.2 | 147.0 | 142.9 | 140.1 |
| 42.5°  | 274.3 | 256.3 | 237.9 | 220.6 | 204.1 | 189.4 | 175.8 | 166.4 | 157.8 | 152.4 | 148.2 |
| 45°    | 317.8 | 294.7 | 273.4 | 252.1 | 232.1 | 212.6 | 196.5 | 181.2 | 171.1 | 162.3 | 156.7 |
| 47.5°  | 365.6 | 337.4 | 311.3 | 285.3 | 261.9 | 239.3 | 218.3 | 200.6 | 184.6 | 173.9 | 165.8 |
| 50°    | 416.6 | 384.5 | 351.6 | 321.7 | 293.4 | 266.7 | 242.4 | 220.1 | 201.9 | 186.3 | 175.2 |
| 52.5°  | 466.7 | 431.2 | 395.6 | 359.5 | 326.1 | 295.3 | 266.9 | 241.7 | 219.7 | 200.5 | 190.5 |
| 55°    | 516.2 | 475.2 | 437.0 | 399.2 | 360.4 | 324.6 | 291.4 | 263.6 | 242.8 | 225.6 | 212.4 |
| 57.5°  | 564.2 | 518.7 | 475.2 | 435.1 | 395.7 | 354.9 | 321.6 | 292.7 | 268.4 | 250.0 | 235.3 |
| 60°    | 609.2 | 559.0 | 512.3 | 467.2 | 428.7 | 390.3 | 352.4 | 320.1 | 294.0 | 273.5 | 257.7 |
| 62.5°  | 654.9 | 594.3 | 546.0 | 501.6 | 459.2 | 421.1 | 382.2 | 347.4 | 318.1 | 294.4 | 278.8 |
| 65°    | 697.2 | 632.9 | 577.0 | 531.3 | 487.6 | 447.3 | 409.1 | 371.5 | 340.6 | 315.5 | 298.6 |
| 67.5°  | 742.8 | 671.8 | 609.6 | 556.5 | 511.8 | 470.2 | 432.1 | 394.7 | 362.3 | 335.6 | 316.3 |
| 70°    | 786.6 | 708.0 | 640.0 | 579.1 | 531.9 | 490.2 | 451.7 | 415.0 | 381.2 | 353.8 | 332.0 |
| 72.5°  | 824.2 | 739.9 | 665.4 | 601.4 | 548.2 | 506.0 | 468.3 | 433.4 | 397.9 | 370.6 | 348.6 |
| 75°    | 857.8 | 767.4 | 686.1 | 618.8 | 560.4 | 518.1 | 480.8 | 444.7 | 411.2 | 384.0 | 363.2 |
| 77.5°  | 884.4 | 788.7 | 702.9 | 634.3 | 573.5 | 525.7 | 487.6 | 453.2 | 421.2 | 395.0 | 375.9 |
| 80°    | 903.9 | 812.2 | 725.1 | 649.2 | 583.4 | 530.6 | 491.8 | 458.9 | 428.9 | 403.9 | 387.0 |
| 82.5°  | 923.0 | 831.2 | 741.3 | 661.3 | 590.3 | 532.9 | 493.6 | 462.3 | 434.6 | 411.1 | 396.8 |
| 85°    | 934.8 | 842.5 | 751.5 | 669.8 | 593.9 | 532.9 | 493.3 | 463.6 | 438.5 | 416.9 | 405.6 |
| 87.5°  | 939.0 | 849.6 | 758.5 | 676.8 | 595.9 | 531.5 | 491.9 | 463.8 | 441.4 | 421.9 | 413.7 |
| 90°    | 935.4 | 842.7 | 754.1 | 674.1 | 590.7 | 525.9 | 487.5 | 461.7 | 442.5 | 426.0 | 421.4 |
| 92.5°  | 939.0 | 849.6 | 758.5 | 676.8 | 595.9 | 531.5 | 491.9 | 463.8 | 441.4 | 421.9 | 413.7 |
| 95°    | 934.8 | 842.5 | 751.5 | 669.8 | 593.9 | 532.9 | 493.3 | 463.6 | 438.5 | 416.9 | 405.6 |
| 97.5°  | 923.0 | 831.2 | 741.3 | 661.3 | 590.3 | 532.9 | 493.6 | 462.3 | 434.6 | 411.1 | 396.8 |
| 100°   | 903.9 | 812.2 | 725.1 | 649.2 | 583.4 | 530.6 | 491.8 | 458.9 | 428.9 | 403.9 | 387.0 |
| 102.5° | 884.4 | 788.7 | 702.9 | 634.3 | 573.5 | 525.7 | 487.6 | 453.2 | 421.2 | 395.0 | 375.9 |
| 105°   | 857.8 | 767.4 | 686.1 | 618.8 | 560.4 | 518.1 | 480.8 | 444.7 | 411.2 | 384.0 | 363.2 |
| 107.5° | 824.2 | 739.9 | 665.4 | 601.4 | 548.2 | 506.0 | 468.3 | 433.4 | 397.9 | 370.6 | 348.6 |
| 110°   | 786.6 | 708.0 | 640.0 | 579.1 | 531.9 | 490.2 | 451.7 | 415.0 | 381.2 | 353.8 | 332.0 |





TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 27.5° | 30°   | 32.5° | 35°   | 37.5° | 40°   | 42.5° | 45°   | 47.5° | 50°   | 52.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 742.8 | 671.8 | 609.6 | 556.5 | 511.8 | 470.2 | 432.1 | 394.7 | 362.3 | 335.6 | 316.3 |
| 115°   | 697.2 | 632.9 | 577.0 | 531.3 | 487.6 | 447.3 | 409.1 | 371.5 | 340.6 | 315.5 | 298.6 |
| 117.5° | 654.9 | 594.3 | 546.0 | 501.6 | 459.2 | 421.1 | 382.2 | 347.4 | 318.1 | 294.4 | 278.8 |
| 120°   | 609.2 | 559.0 | 512.3 | 467.2 | 428.7 | 390.3 | 352.4 | 320.1 | 294.0 | 273.5 | 257.7 |
| 122.5° | 564.2 | 518.7 | 475.2 | 435.1 | 395.7 | 354.9 | 321.6 | 292.7 | 268.4 | 250.0 | 235.3 |
| 125°   | 516.2 | 475.2 | 437.0 | 399.2 | 360.4 | 324.6 | 291.4 | 263.6 | 242.8 | 225.6 | 212.4 |
| 127.5° | 466.7 | 431.2 | 395.6 | 359.5 | 326.1 | 295.3 | 266.9 | 241.7 | 219.7 | 200.5 | 190.5 |
| 130°   | 416.6 | 384.5 | 351.6 | 321.7 | 293.4 | 266.7 | 242.4 | 220.1 | 201.9 | 186.3 | 175.2 |
| 132.5° | 365.6 | 337.4 | 311.3 | 285.3 | 261.9 | 239.3 | 218.3 | 200.6 | 184.6 | 173.9 | 165.8 |
| 135°   | 317.8 | 294.7 | 273.4 | 252.1 | 232.1 | 212.6 | 196.5 | 181.2 | 171.1 | 162.3 | 156.7 |
| 137.5° | 274.3 | 256.3 | 237.9 | 220.6 | 204.1 | 189.4 | 175.8 | 166.4 | 157.8 | 152.4 | 148.2 |
| 140°   | 236.7 | 219.8 | 204.5 | 191.4 | 179.2 | 168.3 | 159.7 | 152.2 | 147.0 | 142.9 | 140.1 |
| 142.5° | 202.9 | 189.7 | 176.8 | 167.0 | 158.7 | 150.9 | 145.3 | 140.5 | 136.9 | 134.2 | 132.6 |
| 145°   | 175.6 | 165.1 | 156.6 | 147.8 | 141.1 | 136.9 | 132.5 | 130.0 | 127.4 | 126.2 | 125.5 |
| 147.5° | 153.8 | 146.4 | 140.3 | 134.7 | 129.1 | 124.7 | 122.1 | 120.1 | 119.5 | 118.8 | 118.5 |
| 150°   | 136.8 | 132.1 | 127.7 | 123.8 | 120.2 | 116.6 | 114.5 | 112.6 | 111.8 | 111.7 | 111.5 |
| 152.5° | 123.3 | 120.3 | 117.2 | 114.4 | 112.3 | 110.3 | 108.7 | 107.2 | 106.0 | 104.9 | 103.6 |
| 155°   | 112.0 | 110.1 | 108.2 | 106.3 | 104.7 | 103.2 | 101.9 | 100.7 | 99.3  | 97.9  | 96.8  |
| 157.5° | 101.5 | 100.2 | 98.9  | 97.6  | 96.3  | 95.1  | 93.8  | 92.5  | 91.3  | 88.8  | 86.2  |
| 160°   | 90.5  | 89.6  | 88.7  | 87.7  | 86.7  | 85.6  | 84.2  | 82.4  | 80.5  | 78.4  | 76.0  |
| 162.5° | 78.8  | 78.2  | 77.5  | 76.7  | 75.6  | 74.5  | 73.1  | 71.6  | 69.9  | 68.1  | 66.0  |
| 165°   | 67.1  | 66.6  | 66.0  | 65.4  | 64.6  | 63.7  | 62.7  | 61.4  | 60.0  | 58.3  | 56.5  |
| 167.5° | 56.6  | 56.3  | 55.9  | 55.4  | 54.6  | 53.7  | 52.6  | 51.4  | 50.1  | 48.7  | 47.1  |
| 170°   | 46.3  | 45.9  | 45.4  | 44.8  | 44.1  | 43.3  | 42.4  | 41.4  | 40.3  | 39.1  | 37.8  |
| 172.5° | 35.4  | 35.1  | 34.6  | 34.1  | 33.5  | 32.9  | 32.2  | 31.5  | 30.6  | 29.6  | 28.5  |
| 175°   | 24.0  | 23.6  | 23.2  | 22.8  | 22.3  | 21.8  | 21.2  | 20.6  | 20.0  | 19.3  | 18.6  |
| 177.5° | 11.3  | 11.2  | 11.1  | 11.0  | 10.8  | 10.6  | 10.4  | 10.2  | 9.9   | 9.7   | 9.4   |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 57.5° | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   | 77.5° | 80°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 2.5°   | 9.1   | 8.8   | 8.5   | 8.2   | 7.8   | 7.4   | 7.1   | 6.7   | 6.3   | 5.9   | 5.5   |
| 5°     | 17.8  | 17.0  | 16.2  | 15.5  | 14.8  | 14.1  | 13.3  | 12.6  | 11.8  | 11.0  | 10.2  |
| 7.5°   | 27.4  | 26.2  | 25.0  | 23.7  | 22.4  | 21.0  | 19.6  | 18.4  | 17.2  | 16.0  | 14.8  |
| 10°    | 36.5  | 35.1  | 33.7  | 31.9  | 30.1  | 28.3  | 26.5  | 24.6  | 22.7  | 21.0  | 19.4  |
| 12.5°  | 45.4  | 43.6  | 41.7  | 39.8  | 37.7  | 35.5  | 33.2  | 30.9  | 28.5  | 26.1  | 24.0  |
| 15°    | 54.5  | 52.4  | 50.4  | 47.7  | 45.2  | 42.5  | 39.8  | 37.1  | 34.3  | 31.4  | 28.5  |
| 17.5°  | 64.1  | 61.3  | 58.6  | 55.8  | 52.8  | 49.7  | 46.5  | 43.1  | 39.9  | 36.6  | 33.3  |
| 20°    | 73.3  | 70.4  | 67.3  | 64.0  | 60.6  | 57.0  | 53.3  | 49.4  | 45.4  | 41.7  | 38.0  |
| 22.5°  | 83.4  | 80.1  | 76.4  | 72.6  | 68.6  | 64.4  | 60.2  | 55.7  | 51.2  | 46.7  | 42.6  |
| 25°    | 93.2  | 89.9  | 86.1  | 81.6  | 77.4  | 73.3  | 69.1  | 64.7  | 60.2  | 55.6  | 51.5  |
| 27.5°  | 102.7 | 100.4 | 97.0  | 93.4  | 89.0  | 84.4  | 79.9  | 75.1  | 70.3  | 65.5  | 60.8  |
| 30°    | 110.8 | 109.9 | 107.7 | 104.0 | 100.0 | 95.3  | 90.5  | 85.4  | 80.5  | 75.1  | 70.1  |
| 32.5°  | 118.3 | 117.7 | 116.7 | 114.2 | 110.2 | 105.7 | 100.7 | 95.5  | 89.9  | 84.6  | 79.3  |
| 35°    | 125.1 | 124.9 | 124.2 | 123.2 | 119.9 | 115.6 | 110.6 | 105.8 | 99.6  | 93.7  | 88.3  |
| 37.5°  | 131.8 | 131.4 | 131.2 | 130.4 | 129.5 | 124.8 | 120.1 | 114.9 | 109.1 | 102.8 | 97.2  |
| 40°    | 138.6 | 137.7 | 137.6 | 137.4 | 136.4 | 133.7 | 129.2 | 124.0 | 118.4 | 111.8 | 106.0 |
| 42.5°  | 145.5 | 144.3 | 143.7 | 143.7 | 143.2 | 142.3 | 137.7 | 132.8 | 127.5 | 120.8 | 114.5 |
| 45°    | 153.0 | 150.6 | 149.9 | 149.7 | 149.8 | 149.0 | 146.0 | 141.3 | 136.1 | 129.6 | 122.9 |
| 47.5°  | 160.1 | 157.5 | 156.0 | 155.5 | 155.8 | 156.7 | 157.8 | 155.7 | 152.8 | 148.0 | 140.7 |
| 50°    | 168.5 | 164.8 | 166.0 | 168.9 | 172.4 | 175.8 | 178.4 | 177.1 | 174.8 | 170.5 | 161.2 |
| 52.5°  | 184.4 | 182.5 | 183.7 | 186.4 | 190.1 | 194.5 | 197.8 | 198.2 | 196.5 | 193.4 | 182.2 |
| 55°    | 204.3 | 201.0 | 200.9 | 203.4 | 207.6 | 212.5 | 216.8 | 219.0 | 217.9 | 215.8 | 203.5 |
| 57.5°  | 224.9 | 218.9 | 217.6 | 220.3 | 224.9 | 230.3 | 235.5 | 239.4 | 239.1 | 237.4 | 225.2 |
| 60°    | 244.8 | 237.1 | 235.2 | 237.2 | 241.8 | 247.8 | 254.0 | 259.3 | 259.8 | 258.9 | 247.1 |
| 62.5°  | 265.5 | 256.5 | 252.6 | 253.6 | 258.3 | 265.0 | 272.1 | 278.3 | 280.4 | 280.2 | 269.2 |
| 65°    | 285.7 | 275.2 | 269.5 | 269.7 | 274.5 | 282.1 | 289.9 | 297.1 | 300.7 | 301.3 | 291.6 |
| 67.5°  | 304.6 | 293.4 | 286.2 | 286.1 | 291.1 | 299.0 | 307.6 | 315.8 | 320.8 | 322.3 | 314.0 |
| 70°    | 322.4 | 311.6 | 304.2 | 302.5 | 306.0 | 312.7 | 320.0 | 326.9 | 331.0 | 329.1 | 317.9 |
| 72.5°  | 337.0 | 326.0 | 316.9 | 313.7 | 316.1 | 321.6 | 327.7 | 333.6 | 337.8 | 333.2 | 319.2 |
| 75°    | 349.7 | 338.5 | 328.6 | 324.8 | 326.5 | 331.0 | 335.8 | 340.4 | 344.9 | 337.9 | 320.3 |
| 77.5°  | 362.2 | 350.7 | 340.0 | 335.6 | 337.1 | 340.7 | 344.3 | 347.2 | 352.2 | 343.1 | 321.3 |
| 80°    | 374.6 | 362.6 | 350.9 | 346.4 | 347.9 | 350.7 | 353.0 | 354.2 | 359.8 | 348.5 | 322.2 |
| 82.5°  | 386.8 | 374.2 | 361.6 | 357.1 | 358.9 | 360.9 | 362.0 | 361.3 | 367.5 | 354.2 | 324.2 |
| 85°    | 398.7 | 385.5 | 372.0 | 367.7 | 370.0 | 371.3 | 371.3 | 368.2 | 375.5 | 360.5 | 324.0 |
| 87.5°  | 410.5 | 396.5 | 382.3 | 378.3 | 381.1 | 381.8 | 380.4 | 375.6 | 382.9 | 365.4 | 323.7 |
| 90°    | 421.4 | 406.8 | 392.3 | 389.0 | 392.3 | 392.3 | 389.6 | 383.0 | 390.3 | 370.4 | 323.5 |
| 92.5°  | 410.5 | 396.5 | 382.3 | 378.3 | 381.1 | 381.8 | 380.4 | 375.6 | 382.9 | 365.4 | 323.7 |
| 95°    | 398.7 | 385.5 | 372.0 | 367.7 | 370.0 | 371.3 | 371.3 | 368.2 | 375.5 | 360.5 | 324.0 |
| 97.5°  | 386.8 | 374.2 | 361.6 | 357.1 | 358.9 | 360.9 | 362.0 | 361.3 | 367.5 | 354.2 | 324.2 |
| 100°   | 374.6 | 362.6 | 350.9 | 346.4 | 347.9 | 350.7 | 353.0 | 354.2 | 359.8 | 348.5 | 322.2 |
| 102.5° | 362.2 | 350.7 | 340.0 | 335.6 | 337.1 | 340.7 | 344.3 | 347.2 | 352.2 | 343.1 | 321.3 |
| 105°   | 349.7 | 338.5 | 328.6 | 324.8 | 326.5 | 331.0 | 335.8 | 340.4 | 344.9 | 337.9 | 320.3 |
| 107.5° | 337.0 | 326.0 | 316.9 | 313.7 | 316.1 | 321.6 | 327.7 | 333.6 | 337.8 | 333.2 | 319.2 |
| 110°   | 322.4 | 311.6 | 304.2 | 302.5 | 306.0 | 312.7 | 320.0 | 326.9 | 331.0 | 329.1 | 317.9 |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 57.5° | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   | 77.5° | 80°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 304.6 | 293.4 | 286.2 | 286.1 | 291.1 | 299.0 | 307.6 | 315.8 | 320.8 | 322.3 | 314.0 |
| 115°   | 285.7 | 275.2 | 269.5 | 269.7 | 274.5 | 282.1 | 289.9 | 297.1 | 300.7 | 301.3 | 291.6 |
| 117.5° | 265.5 | 256.5 | 252.6 | 253.6 | 258.3 | 265.0 | 272.1 | 278.3 | 280.4 | 280.2 | 269.2 |
| 120°   | 244.8 | 237.1 | 235.2 | 237.2 | 241.8 | 247.8 | 254.0 | 259.3 | 259.8 | 258.9 | 247.1 |
| 122.5° | 224.9 | 218.9 | 217.6 | 220.3 | 224.9 | 230.3 | 235.5 | 239.4 | 239.1 | 237.4 | 225.2 |
| 125°   | 204.3 | 201.0 | 200.9 | 203.4 | 207.6 | 212.5 | 216.8 | 219.0 | 217.9 | 215.8 | 203.5 |
| 127.5° | 184.4 | 182.5 | 183.7 | 186.4 | 190.1 | 194.5 | 197.8 | 198.2 | 196.5 | 193.4 | 182.2 |
| 130°   | 168.5 | 164.8 | 166.0 | 168.9 | 172.4 | 175.8 | 178.4 | 177.1 | 174.8 | 170.5 | 161.2 |
| 132.5° | 160.1 | 157.5 | 156.0 | 155.5 | 155.8 | 156.7 | 157.8 | 155.7 | 152.8 | 148.0 | 140.7 |
| 135°   | 153.0 | 150.6 | 149.9 | 149.7 | 149.8 | 149.0 | 146.0 | 141.3 | 136.1 | 129.6 | 122.9 |
| 137.5° | 145.5 | 144.3 | 143.7 | 143.7 | 143.2 | 142.3 | 137.7 | 132.8 | 127.5 | 120.8 | 114.5 |
| 140°   | 138.6 | 137.7 | 137.6 | 137.4 | 136.4 | 133.7 | 129.2 | 124.0 | 118.4 | 111.8 | 106.0 |
| 142.5° | 131.8 | 131.4 | 131.2 | 130.4 | 129.5 | 124.8 | 120.1 | 114.9 | 109.1 | 102.8 | 97.2  |
| 145°   | 125.1 | 124.9 | 124.2 | 123.2 | 119.9 | 115.6 | 110.6 | 105.8 | 99.6  | 93.7  | 88.3  |
| 147.5° | 118.3 | 117.7 | 116.7 | 114.2 | 110.2 | 105.7 | 100.7 | 95.5  | 89.9  | 84.6  | 79.3  |
| 150°   | 110.8 | 109.9 | 107.7 | 104.0 | 100.0 | 95.3  | 90.5  | 85.4  | 80.5  | 75.1  | 70.1  |
| 152.5° | 102.7 | 100.4 | 97.0  | 93.4  | 89.0  | 84.4  | 79.9  | 75.1  | 70.3  | 65.5  | 60.8  |
| 155°   | 93.2  | 89.9  | 86.1  | 81.6  | 77.4  | 73.3  | 69.1  | 64.7  | 60.2  | 55.6  | 51.5  |
| 157.5° | 83.4  | 80.1  | 76.4  | 72.6  | 68.6  | 64.4  | 60.2  | 55.7  | 51.2  | 46.7  | 42.6  |
| 160°   | 73.3  | 70.4  | 67.3  | 64.0  | 60.6  | 57.0  | 53.3  | 49.4  | 45.4  | 41.7  | 38.0  |
| 162.5° | 64.1  | 61.3  | 58.6  | 55.8  | 52.8  | 49.7  | 46.5  | 43.1  | 39.9  | 36.6  | 33.3  |
| 165°   | 54.5  | 52.4  | 50.4  | 47.7  | 45.2  | 42.5  | 39.8  | 37.1  | 34.3  | 31.4  | 28.5  |
| 167.5° | 45.4  | 43.6  | 41.7  | 39.8  | 37.7  | 35.5  | 33.2  | 30.9  | 28.5  | 26.1  | 24.0  |
| 170°   | 36.5  | 35.1  | 33.7  | 31.9  | 30.1  | 28.3  | 26.5  | 24.6  | 22.7  | 21.0  | 19.4  |
| 172.5° | 27.4  | 26.2  | 25.0  | 23.7  | 22.4  | 21.0  | 19.6  | 18.4  | 17.2  | 16.0  | 14.8  |
| 175°   | 17.8  | 17.0  | 16.2  | 15.5  | 14.8  | 14.1  | 13.3  | 12.6  | 11.8  | 11.0  | 10.2  |
| 177.5° | 9.1   | 8.8   | 8.5   | 8.2   | 7.8   | 7.4   | 7.1   | 6.7   | 6.3   | 5.9   | 5.5   |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85°   | 87.5° | 90°   | 92.5° | 95°   | 97.5° | 100°  | 102.5° | 105°  | 107.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 0°     | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7    | 0.7   | 0.7    |
| 2.5°   | 5.0   | 4.6   | 4.2   | 3.7   | 3.7   | 3.7   | 3.7   | 3.6   | 3.6    | 3.6   | 3.5    |
| 5°     | 9.3   | 8.5   | 7.6   | 6.7   | 6.7   | 6.6   | 6.6   | 6.5   | 6.4    | 6.3   | 6.2    |
| 7.5°   | 13.6  | 12.3  | 11.0  | 9.7   | 9.6   | 9.5   | 9.4   | 9.3   | 9.1    | 8.9   | 8.7    |
| 10°    | 17.8  | 16.1  | 14.5  | 12.7  | 12.6  | 12.4  | 12.2  | 12.0  | 11.7   | 11.5  | 11.3   |
| 12.5°  | 22.0  | 19.9  | 17.9  | 15.8  | 15.5  | 15.2  | 14.9  | 14.6  | 14.3   | 14.1  | 13.8   |
| 15°    | 26.1  | 23.7  | 21.2  | 18.8  | 18.4  | 18.0  | 17.6  | 17.2  | 16.9   | 16.6  | 16.3   |
| 17.5°  | 30.2  | 27.4  | 24.6  | 21.8  | 21.3  | 20.8  | 20.2  | 19.8  | 19.5   | 19.2  | 18.8   |
| 20°    | 34.2  | 31.1  | 28.0  | 24.8  | 24.2  | 23.5  | 22.8  | 22.5  | 22.1   | 21.7  | 21.3   |
| 22.5°  | 38.4  | 34.7  | 31.3  | 27.8  | 27.0  | 26.2  | 25.5  | 25.1  | 24.6   | 24.2  | 23.7   |
| 25°    | 47.4  | 43.5  | 40.1  | 36.6  | 35.9  | 34.9  | 34.2  | 33.5  | 32.5   | 31.3  | 29.9   |
| 27.5°  | 56.5  | 52.3  | 48.9  | 45.4  | 44.8  | 43.9  | 43.4  | 42.7  | 41.6   | 40.1  | 38.3   |
| 30°    | 65.5  | 61.0  | 57.7  | 54.3  | 53.7  | 53.0  | 52.7  | 52.1  | 50.5   | 48.8  | 46.3   |
| 32.5°  | 74.5  | 69.7  | 66.4  | 63.1  | 62.7  | 62.2  | 62.0  | 61.3  | 59.3   | 56.9  | 53.8   |
| 35°    | 83.2  | 78.4  | 75.0  | 71.9  | 71.7  | 71.5  | 71.4  | 70.3  | 68.1   | 64.7  | 60.9   |
| 37.5°  | 91.9  | 87.1  | 83.6  | 80.7  | 80.8  | 80.8  | 80.9  | 79.2  | 76.8   | 72.2  | 67.4   |
| 40°    | 100.5 | 95.6  | 92.1  | 89.6  | 89.8  | 90.1  | 90.5  | 88.1  | 84.5   | 79.3  | 73.5   |
| 42.5°  | 108.9 | 104.1 | 100.5 | 98.4  | 98.9  | 99.5  | 100.1 | 96.9  | 92.2   | 86.4  | 79.1   |
| 45°    | 117.4 | 112.5 | 108.9 | 107.2 | 108.0 | 108.9 | 109.1 | 105.6 | 99.6   | 92.4  | 84.3   |
| 47.5°  | 133.1 | 125.6 | 119.2 | 114.8 | 113.7 | 113.1 | 111.8 | 108.1 | 101.8  | 94.8  | 87.2   |
| 50°    | 150.2 | 139.3 | 129.7 | 122.5 | 119.3 | 116.7 | 113.6 | 108.8 | 102.1  | 94.9  | 87.8   |
| 52.5°  | 168.0 | 153.4 | 140.3 | 130.1 | 124.6 | 120.1 | 115.3 | 109.4 | 102.5  | 95.4  | 89.0   |
| 55°    | 186.3 | 167.9 | 151.1 | 137.8 | 129.9 | 123.3 | 116.9 | 110.1 | 103.0  | 96.2  | 90.7   |
| 57.5°  | 205.2 | 182.6 | 162.1 | 145.4 | 135.0 | 126.3 | 118.3 | 110.8 | 103.7  | 97.3  | 92.9   |
| 60°    | 224.6 | 197.7 | 173.2 | 153.1 | 140.0 | 129.0 | 119.7 | 111.6 | 104.6  | 99.1  | 95.7   |
| 62.5°  | 244.3 | 212.9 | 184.4 | 160.7 | 144.9 | 131.6 | 121.0 | 112.4 | 105.8  | 101.3 | 99.1   |
| 65°    | 264.3 | 228.4 | 195.7 | 168.4 | 149.8 | 134.1 | 122.2 | 113.3 | 107.1  | 103.7 | 103.0  |
| 67.5°  | 284.7 | 244.0 | 207.0 | 176.0 | 154.5 | 136.4 | 123.3 | 114.2 | 108.6  | 106.4 | 107.2  |
| 70°    | 286.7 | 244.7 | 206.7 | 175.2 | 153.4 | 135.4 | 122.5 | 113.6 | 108.4  | 106.8 | 108.6  |
| 72.5°  | 287.1 | 244.7 | 206.2 | 174.4 | 152.3 | 134.3 | 121.6 | 112.8 | 107.7  | 106.3 | 108.1  |
| 75°    | 287.3 | 244.7 | 206.8 | 173.6 | 151.2 | 133.3 | 120.8 | 112.1 | 107.1  | 105.7 | 107.5  |
| 77.5°  | 287.1 | 244.4 | 205.9 | 172.8 | 150.1 | 132.4 | 120.1 | 111.4 | 106.6  | 105.1 | 106.8  |
| 80°    | 286.7 | 245.2 | 204.9 | 171.9 | 149.1 | 131.6 | 119.5 | 110.8 | 106.1  | 104.5 | 106.0  |
| 82.5°  | 287.2 | 244.1 | 204.0 | 171.1 | 148.1 | 130.8 | 118.9 | 110.3 | 105.6  | 103.8 | 105.2  |
| 85°    | 285.6 | 243.0 | 203.0 | 170.3 | 147.2 | 130.2 | 118.4 | 109.8 | 105.2  | 103.2 | 104.3  |
| 87.5°  | 284.1 | 241.9 | 202.1 | 169.5 | 146.3 | 129.5 | 118.0 | 109.4 | 104.8  | 102.5 | 103.4  |
| 90°    | 282.5 | 240.8 | 201.1 | 168.7 | 145.5 | 129.0 | 117.7 | 109.1 | 104.5  | 101.9 | 102.5  |
| 92.5°  | 284.1 | 241.9 | 202.1 | 169.5 | 146.3 | 129.5 | 118.0 | 109.4 | 104.8  | 102.5 | 103.4  |
| 95°    | 285.6 | 243.0 | 203.0 | 170.3 | 147.2 | 130.2 | 118.4 | 109.8 | 105.2  | 103.2 | 104.3  |
| 97.5°  | 287.2 | 244.1 | 204.0 | 171.1 | 148.1 | 130.8 | 118.9 | 110.3 | 105.6  | 103.8 | 105.2  |
| 100°   | 286.7 | 245.2 | 204.9 | 171.9 | 149.1 | 131.6 | 119.5 | 110.8 | 106.1  | 104.5 | 106.0  |
| 102.5° | 287.1 | 244.4 | 205.9 | 172.8 | 150.1 | 132.4 | 120.1 | 111.4 | 106.6  | 105.1 | 106.8  |
| 105°   | 287.3 | 244.7 | 206.8 | 173.6 | 151.2 | 133.3 | 120.8 | 112.1 | 107.1  | 105.7 | 107.5  |
| 107.5° | 287.1 | 244.7 | 206.2 | 174.4 | 152.3 | 134.3 | 121.6 | 112.8 | 107.7  | 106.3 | 108.1  |
| 110°   | 286.7 | 244.7 | 206.7 | 175.2 | 153.4 | 135.4 | 122.5 | 113.6 | 108.4  | 106.8 | 108.6  |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85°   | 87.5° | 90°   | 92.5° | 95°   | 97.5° | 100°  | 102.5° | 105°  | 107.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 112.5° | 284.7 | 244.0 | 207.0 | 176.0 | 154.5 | 136.4 | 123.3 | 114.2 | 108.6  | 106.4 | 107.2  |
| 115°   | 264.3 | 228.4 | 195.7 | 168.4 | 149.8 | 134.1 | 122.2 | 113.3 | 107.1  | 103.7 | 103.0  |
| 117.5° | 244.3 | 212.9 | 184.4 | 160.7 | 144.9 | 131.6 | 121.0 | 112.4 | 105.8  | 101.3 | 99.1   |
| 120°   | 224.6 | 197.7 | 173.2 | 153.1 | 140.0 | 129.0 | 119.7 | 111.6 | 104.6  | 99.1  | 95.7   |
| 122.5° | 205.2 | 182.6 | 162.1 | 145.4 | 135.0 | 126.3 | 118.3 | 110.8 | 103.7  | 97.3  | 92.9   |
| 125°   | 186.3 | 167.9 | 151.1 | 137.8 | 129.9 | 123.3 | 116.9 | 110.1 | 103.0  | 96.2  | 90.7   |
| 127.5° | 168.0 | 153.4 | 140.3 | 130.1 | 124.6 | 120.1 | 115.3 | 109.4 | 102.5  | 95.4  | 89.0   |
| 130°   | 150.2 | 139.3 | 129.7 | 122.5 | 119.3 | 116.7 | 113.6 | 108.8 | 102.1  | 94.9  | 87.8   |
| 132.5° | 133.1 | 125.6 | 119.2 | 114.8 | 113.7 | 113.1 | 111.8 | 108.1 | 101.8  | 94.8  | 87.2   |
| 135°   | 117.4 | 112.5 | 108.9 | 107.2 | 108.0 | 108.9 | 109.1 | 105.6 | 99.6   | 92.4  | 84.3   |
| 137.5° | 108.9 | 104.1 | 100.5 | 98.4  | 98.9  | 99.5  | 100.1 | 96.9  | 92.2   | 86.4  | 79.1   |
| 140°   | 100.5 | 95.6  | 92.1  | 89.6  | 89.8  | 90.1  | 90.5  | 88.1  | 84.5   | 79.3  | 73.5   |
| 142.5° | 91.9  | 87.1  | 83.6  | 80.7  | 80.8  | 80.8  | 80.9  | 79.2  | 76.8   | 72.2  | 67.4   |
| 145°   | 83.2  | 78.4  | 75.0  | 71.9  | 71.7  | 71.5  | 71.4  | 70.3  | 68.1   | 64.7  | 60.9   |
| 147.5° | 74.5  | 69.7  | 66.4  | 63.1  | 62.7  | 62.2  | 62.0  | 61.3  | 59.3   | 56.9  | 53.8   |
| 150°   | 65.5  | 61.0  | 57.7  | 54.3  | 53.7  | 53.0  | 52.7  | 52.1  | 50.5   | 48.8  | 46.3   |
| 152.5° | 56.5  | 52.3  | 48.9  | 45.4  | 44.8  | 43.9  | 43.4  | 42.7  | 41.6   | 40.1  | 38.3   |
| 155°   | 47.4  | 43.5  | 40.1  | 36.6  | 35.9  | 34.9  | 34.2  | 33.5  | 32.5   | 31.3  | 29.9   |
| 157.5° | 38.4  | 34.7  | 31.3  | 27.8  | 27.0  | 26.2  | 25.5  | 25.1  | 24.6   | 24.2  | 23.7   |
| 160°   | 34.2  | 31.1  | 28.0  | 24.8  | 24.2  | 23.5  | 22.8  | 22.5  | 22.1   | 21.7  | 21.3   |
| 162.5° | 30.2  | 27.4  | 24.6  | 21.8  | 21.3  | 20.8  | 20.2  | 19.8  | 19.5   | 19.2  | 18.8   |
| 165°   | 26.1  | 23.7  | 21.2  | 18.8  | 18.4  | 18.0  | 17.6  | 17.2  | 16.9   | 16.6  | 16.3   |
| 167.5° | 22.0  | 19.9  | 17.9  | 15.8  | 15.5  | 15.2  | 14.9  | 14.6  | 14.3   | 14.1  | 13.8   |
| 170°   | 17.8  | 16.1  | 14.5  | 12.7  | 12.6  | 12.4  | 12.2  | 12.0  | 11.7   | 11.5  | 11.3   |
| 172.5° | 13.6  | 12.3  | 11.0  | 9.7   | 9.6   | 9.5   | 9.4   | 9.3   | 9.1    | 8.9   | 8.7    |
| 175°   | 9.3   | 8.5   | 7.6   | 6.7   | 6.7   | 6.6   | 6.6   | 6.5   | 6.4    | 6.3   | 6.2    |
| 177.5° | 5.0   | 4.6   | 4.2   | 3.7   | 3.7   | 3.7   | 3.7   | 3.6   | 3.6    | 3.6   | 3.5    |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130° | 132.5° | 135° |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|--------|------|
| 0°     | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7  | 0.7    | 0.7  |
| 2.5°   | 3.5   | 3.4    | 3.3   | 3.3    | 3.2   | 3.1    | 3.1   | 3.0    | 2.9  | 2.8    | 2.7  |
| 5°     | 6.1   | 6.0    | 5.8   | 5.7    | 5.5   | 5.4    | 5.3   | 5.1    | 4.9  | 4.8    | 4.6  |
| 7.5°   | 8.6   | 8.4    | 8.2   | 8.1    | 7.9   | 7.6    | 7.4   | 7.2    | 7.0  | 6.7    | 6.5  |
| 10°    | 11.1  | 10.9   | 10.6  | 10.4   | 10.1  | 9.8    | 9.6   | 9.2    | 8.9  | 8.6    | 8.3  |
| 12.5°  | 13.6  | 13.3   | 13.0  | 12.7   | 12.3  | 12.0   | 11.6  | 11.3   | 10.8 | 10.4   | 10.0 |
| 15°    | 16.0  | 15.7   | 15.3  | 14.9   | 14.5  | 14.1   | 13.6  | 13.2   | 12.7 | 12.2   | 11.7 |
| 17.5°  | 18.4  | 18.0   | 17.6  | 17.1   | 16.6  | 16.1   | 15.6  | 15.0   | 14.5 | 13.9   | 13.3 |
| 20°    | 20.8  | 20.4   | 19.8  | 19.3   | 18.7  | 18.1   | 17.5  | 16.9   | 16.2 | 15.6   | 14.9 |
| 22.5°  | 23.2  | 22.6   | 22.0  | 21.4   | 20.7  | 20.1   | 19.4  | 18.7   | 17.9 | 17.2   | 16.4 |
| 25°    | 28.4  | 26.7   | 25.1  | 23.5   | 22.8  | 22.0   | 21.2  | 20.4   | 19.6 | 18.7   | 17.8 |
| 27.5°  | 36.3  | 34.1   | 32.0  | 29.8   | 27.8  | 25.7   | 23.8  | 22.1   | 21.2 | 20.2   | 19.3 |
| 30°    | 43.7  | 40.9   | 38.1  | 35.5   | 32.9  | 30.5   | 28.2  | 26.1   | 24.2 | 22.3   | 20.7 |
| 32.5°  | 50.5  | 47.0   | 43.6  | 40.4   | 37.4  | 34.6   | 32.0  | 29.7   | 27.5 | 25.4   | 23.4 |
| 35°    | 56.7  | 52.5   | 48.5  | 44.7   | 41.3  | 38.1   | 35.4  | 32.7   | 30.3 | 27.9   | 25.7 |
| 37.5°  | 62.3  | 57.4   | 52.8  | 48.6   | 44.7  | 41.4   | 38.3  | 35.3   | 32.6 | 30.1   | 27.9 |
| 40°    | 67.5  | 61.9   | 56.7  | 51.9   | 47.9  | 44.2   | 40.8  | 37.6   | 34.6 | 32.1   | 30.0 |
| 42.5°  | 72.3  | 65.9   | 60.2  | 55.1   | 50.7  | 46.7   | 42.9  | 39.5   | 36.5 | 34.0   | 31.5 |
| 45°    | 76.7  | 69.7   | 63.3  | 58.1   | 53.3  | 48.8   | 44.8  | 41.3   | 38.4 | 35.5   | 32.7 |
| 47.5°  | 79.9  | 73.0   | 66.4  | 60.7   | 55.6  | 50.8   | 46.5  | 43.1   | 39.8 | 36.6   | 33.7 |
| 50°    | 81.2  | 75.2   | 69.8  | 64.3   | 58.6  | 52.8   | 48.3  | 44.6   | 41.0 | 37.5   | 34.3 |
| 52.5°  | 83.4  | 78.3   | 73.9  | 69.0   | 63.6  | 57.9   | 52.5  | 47.1   | 41.9 | 38.1   | 34.6 |
| 55°    | 86.3  | 82.4   | 78.8  | 74.4   | 69.0  | 63.2   | 57.4  | 51.7   | 45.9 | 40.3   | 35.1 |
| 57.5°  | 89.8  | 87.2   | 84.2  | 80.1   | 74.7  | 68.5   | 62.2  | 56.0   | 49.7 | 43.6   | 38.3 |
| 60°    | 93.9  | 92.5   | 90.1  | 86.0   | 80.3  | 73.6   | 66.9  | 60.1   | 53.2 | 46.8   | 41.1 |
| 62.5°  | 98.5  | 98.4   | 96.5  | 92.2   | 85.8  | 78.6   | 71.4  | 64.0   | 56.4 | 49.9   | 43.7 |
| 65°    | 103.8 | 104.5  | 103.3 | 98.6   | 91.2  | 83.6   | 75.8  | 67.6   | 59.7 | 52.8   | 46.2 |
| 67.5°  | 109.3 | 110.8  | 109.7 | 104.8  | 96.7  | 88.6   | 80.1  | 71.1   | 62.9 | 55.5   | 48.6 |
| 70°    | 112.0 | 114.7  | 114.6 | 110.3  | 102.1 | 93.5   | 84.4  | 74.4   | 66.1 | 58.2   | 50.9 |
| 72.5°  | 111.5 | 114.3  | 114.2 | 110.2  | 103.4 | 95.7   | 86.9  | 77.3   | 69.2 | 60.9   | 53.2 |
| 75°    | 111.0 | 114.0  | 114.2 | 110.6  | 104.7 | 97.1   | 88.0  | 78.5   | 69.9 | 61.8   | 54.5 |
| 77.5°  | 110.4 | 113.8  | 114.3 | 111.5  | 106.3 | 98.8   | 89.4  | 79.7   | 70.7 | 62.5   | 55.1 |
| 80°    | 109.7 | 113.5  | 114.7 | 112.9  | 108.3 | 100.7  | 91.1  | 81.0   | 71.7 | 63.3   | 55.9 |
| 82.5°  | 109.0 | 113.3  | 115.3 | 114.5  | 110.5 | 103.0  | 93.2  | 82.5   | 73.0 | 64.4   | 57.0 |
| 85°    | 108.2 | 113.1  | 115.9 | 116.4  | 113.0 | 105.4  | 95.5  | 84.2   | 74.6 | 65.8   | 58.5 |
| 87.5°  | 107.4 | 112.8  | 116.5 | 118.4  | 115.6 | 108.2  | 98.2  | 86.2   | 76.5 | 67.5   | 60.2 |
| 90°    | 106.5 | 112.5  | 117.1 | 120.4  | 118.4 | 111.1  | 101.2 | 88.6   | 78.7 | 69.5   | 62.2 |
| 92.5°  | 107.4 | 112.8  | 116.5 | 118.4  | 115.6 | 108.2  | 98.2  | 86.2   | 76.5 | 67.5   | 60.2 |
| 95°    | 108.2 | 113.1  | 115.9 | 116.4  | 113.0 | 105.4  | 95.5  | 84.2   | 74.6 | 65.8   | 58.5 |
| 97.5°  | 109.0 | 113.3  | 115.3 | 114.5  | 110.5 | 103.0  | 93.2  | 82.5   | 73.0 | 64.4   | 57.0 |
| 100°   | 109.7 | 113.5  | 114.7 | 112.9  | 108.3 | 100.7  | 91.1  | 81.0   | 71.7 | 63.3   | 55.9 |
| 102.5° | 110.4 | 113.8  | 114.3 | 111.5  | 106.3 | 98.8   | 89.4  | 79.7   | 70.7 | 62.5   | 55.1 |
| 105°   | 111.0 | 114.0  | 114.2 | 110.6  | 104.7 | 97.1   | 88.0  | 78.5   | 69.9 | 61.8   | 54.5 |
| 107.5° | 111.5 | 114.3  | 114.2 | 110.2  | 103.4 | 95.7   | 86.9  | 77.3   | 69.2 | 60.9   | 53.2 |
| 110°   | 112.0 | 114.7  | 114.6 | 110.3  | 102.1 | 93.5   | 84.4  | 74.4   | 66.1 | 58.2   | 50.9 |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 112.5° | 115°  | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 109.3 | 110.8  | 109.7 | 104.8  | 96.7 | 88.6   | 80.1 | 71.1   | 62.9 | 55.5   | 48.6 |
| 115°   | 103.8 | 104.5  | 103.3 | 98.6   | 91.2 | 83.6   | 75.8 | 67.6   | 59.7 | 52.8   | 46.2 |
| 117.5° | 98.5  | 98.4   | 96.5  | 92.2   | 85.8 | 78.6   | 71.4 | 64.0   | 56.4 | 49.9   | 43.7 |
| 120°   | 93.9  | 92.5   | 90.1  | 86.0   | 80.3 | 73.6   | 66.9 | 60.1   | 53.2 | 46.8   | 41.1 |
| 122.5° | 89.8  | 87.2   | 84.2  | 80.1   | 74.7 | 68.5   | 62.2 | 56.0   | 49.7 | 43.6   | 38.3 |
| 125°   | 86.3  | 82.4   | 78.8  | 74.4   | 69.0 | 63.2   | 57.4 | 51.7   | 45.9 | 40.3   | 35.1 |
| 127.5° | 83.4  | 78.3   | 73.9  | 69.0   | 63.6 | 57.9   | 52.5 | 47.1   | 41.9 | 38.1   | 34.6 |
| 130°   | 81.2  | 75.2   | 69.8  | 64.3   | 58.6 | 52.8   | 48.3 | 44.6   | 41.0 | 37.5   | 34.3 |
| 132.5° | 79.9  | 73.0   | 66.4  | 60.7   | 55.6 | 50.8   | 46.5 | 43.1   | 39.8 | 36.6   | 33.7 |
| 135°   | 76.7  | 69.7   | 63.3  | 58.1   | 53.3 | 48.8   | 44.8 | 41.3   | 38.4 | 35.5   | 32.7 |
| 137.5° | 72.3  | 65.9   | 60.2  | 55.1   | 50.7 | 46.7   | 42.9 | 39.5   | 36.5 | 34.0   | 31.5 |
| 140°   | 67.5  | 61.9   | 56.7  | 51.9   | 47.9 | 44.2   | 40.8 | 37.6   | 34.6 | 32.1   | 30.0 |
| 142.5° | 62.3  | 57.4   | 52.8  | 48.6   | 44.7 | 41.4   | 38.3 | 35.3   | 32.6 | 30.1   | 27.9 |
| 145°   | 56.7  | 52.5   | 48.5  | 44.7   | 41.3 | 38.1   | 35.4 | 32.7   | 30.3 | 27.9   | 25.7 |
| 147.5° | 50.5  | 47.0   | 43.6  | 40.4   | 37.4 | 34.6   | 32.0 | 29.7   | 27.5 | 25.4   | 23.4 |
| 150°   | 43.7  | 40.9   | 38.1  | 35.5   | 32.9 | 30.5   | 28.2 | 26.1   | 24.2 | 22.3   | 20.7 |
| 152.5° | 36.3  | 34.1   | 32.0  | 29.8   | 27.8 | 25.7   | 23.8 | 22.1   | 21.2 | 20.2   | 19.3 |
| 155°   | 28.4  | 26.7   | 25.1  | 23.5   | 22.8 | 22.0   | 21.2 | 20.4   | 19.6 | 18.7   | 17.8 |
| 157.5° | 23.2  | 22.6   | 22.0  | 21.4   | 20.7 | 20.1   | 19.4 | 18.7   | 17.9 | 17.2   | 16.4 |
| 160°   | 20.8  | 20.4   | 19.8  | 19.3   | 18.7 | 18.1   | 17.5 | 16.9   | 16.2 | 15.6   | 14.9 |
| 162.5° | 18.4  | 18.0   | 17.6  | 17.1   | 16.6 | 16.1   | 15.6 | 15.0   | 14.5 | 13.9   | 13.3 |
| 165°   | 16.0  | 15.7   | 15.3  | 14.9   | 14.5 | 14.1   | 13.6 | 13.2   | 12.7 | 12.2   | 11.7 |
| 167.5° | 13.6  | 13.3   | 13.0  | 12.7   | 12.3 | 12.0   | 11.6 | 11.3   | 10.8 | 10.4   | 10.0 |
| 170°   | 11.1  | 10.9   | 10.6  | 10.4   | 10.1 | 9.8    | 9.6  | 9.2    | 8.9  | 8.6    | 8.3  |
| 172.5° | 8.6   | 8.4    | 8.2   | 8.1    | 7.9  | 7.6    | 7.4  | 7.2    | 7.0  | 6.7    | 6.5  |
| 175°   | 6.1   | 6.0    | 5.8   | 5.7    | 5.5  | 5.4    | 5.3  | 5.1    | 4.9  | 4.8    | 4.6  |
| 177.5° | 3.5   | 3.4    | 3.3   | 3.3    | 3.2  | 3.1    | 3.1  | 3.0    | 2.9  | 2.8    | 2.7  |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 0°     | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    |
| 2.5°   | 2.6    | 2.5  | 2.4    | 2.3  | 2.2    | 2.1  | 2.0    | 1.9  | 1.8    | 1.7  | 1.5    |
| 5°     | 4.4    | 4.2  | 4.0    | 3.8  | 3.6    | 3.4  | 3.2    | 3.0  | 2.8    | 2.6  | 2.3    |
| 7.5°   | 6.2    | 5.9  | 5.6    | 5.3  | 5.0    | 4.7  | 4.4    | 4.1  | 3.8    | 3.4  | 3.1    |
| 10°    | 7.9    | 7.5  | 7.1    | 6.8  | 6.4    | 6.0  | 5.5    | 5.1  | 4.7    | 4.3  | 3.8    |
| 12.5°  | 9.5    | 9.1  | 8.6    | 8.1  | 7.6    | 7.1  | 6.6    | 6.1  | 5.6    | 5.1  | 4.5    |
| 15°    | 11.1   | 10.6 | 10.0   | 9.5  | 8.9    | 8.3  | 7.7    | 7.1  | 6.5    | 5.8  | 5.2    |
| 17.5°  | 12.7   | 12.0 | 11.4   | 10.7 | 10.1   | 9.4  | 8.7    | 8.0  | 7.3    | 6.6  | 5.8    |
| 20°    | 14.2   | 13.4 | 12.7   | 11.9 | 11.2   | 10.4 | 9.6    | 8.8  | 8.1    | 7.3  | 6.5    |
| 22.5°  | 15.6   | 14.8 | 13.9   | 13.1 | 12.3   | 11.4 | 10.6   | 9.7  | 8.8    | 7.9  | 7.0    |
| 25°    | 17.0   | 16.1 | 15.2   | 14.3 | 13.4   | 12.4 | 11.5   | 10.5 | 9.5    | 8.6  | 7.6    |
| 27.5°  | 18.4   | 17.4 | 16.4   | 15.4 | 14.4   | 13.3 | 12.3   | 11.3 | 10.3   | 9.3  | 8.3    |
| 30°    | 19.7   | 18.6 | 17.5   | 16.4 | 15.3   | 14.4 | 13.4   | 12.3 | 11.3   | 10.1 | 9.0    |
| 32.5°  | 21.5   | 19.8 | 18.7   | 17.7 | 16.7   | 15.7 | 14.4   | 13.2 | 12.0   | 10.8 | 9.6    |
| 35°    | 23.7   | 22.1 | 20.5   | 19.2 | 17.9   | 16.6 | 15.4   | 14.3 | 13.0   | 11.8 | 10.4   |
| 37.5°  | 26.0   | 24.2 | 22.3   | 20.6 | 19.1   | 18.0 | 16.7   | 15.3 | 13.8   | 12.4 | 10.9   |
| 40°    | 27.8   | 25.7 | 23.8   | 22.2 | 20.6   | 19.0 | 17.5   | 16.0 | 14.5   | 13.0 | 11.5   |
| 42.5°  | 29.1   | 27.0 | 25.1   | 23.2 | 21.4   | 19.8 | 18.3   | 16.8 | 15.2   | 13.6 | 12.0   |
| 45°    | 30.2   | 27.9 | 25.7   | 23.7 | 21.9   | 20.3 | 18.8   | 17.4 | 15.7   | 13.8 | 12.0   |
| 47.5°  | 31.0   | 28.4 | 26.1   | 24.0 | 22.1   | 20.4 | 18.8   | 17.2 | 15.7   | 13.9 | 12.1   |
| 50°    | 31.3   | 28.6 | 26.3   | 24.1 | 22.1   | 20.2 | 18.5   | 16.8 | 15.3   | 13.8 | 11.9   |
| 52.5°  | 31.5   | 28.8 | 26.2   | 23.9 | 21.8   | 19.8 | 17.8   | 16.2 | 14.7   | 13.5 | 12.2   |
| 55°    | 31.6   | 28.6 | 25.9   | 23.6 | 21.2   | 19.0 | 17.3   | 15.8 | 14.5   | 13.3 | 12.0   |
| 57.5°  | 33.2   | 28.5 | 25.7   | 23.0 | 20.5   | 18.7 | 17.0   | 15.6 | 14.1   | 12.6 | 11.3   |
| 60°    | 35.7   | 31.0 | 26.5   | 22.3 | 20.3   | 18.4 | 16.7   | 15.0 | 13.5   | 12.1 | 10.9   |
| 62.5°  | 38.1   | 33.0 | 28.1   | 24.1 | 20.6   | 18.0 | 16.2   | 14.6 | 13.2   | 12.1 | 10.9   |
| 65°    | 40.3   | 34.8 | 29.9   | 25.7 | 22.0   | 18.7 | 15.9   | 14.5 | 13.4   | 12.0 | 10.4   |
| 67.5°  | 42.3   | 36.5 | 31.5   | 27.1 | 23.3   | 19.9 | 17.0   | 15.0 | 13.5   | 11.7 | 9.9    |
| 70°    | 44.3   | 38.3 | 33.0   | 28.5 | 24.6   | 21.0 | 18.2   | 15.8 | 13.4   | 11.2 | 9.3    |
| 72.5°  | 46.2   | 40.0 | 34.5   | 30.0 | 25.8   | 22.0 | 19.0   | 15.8 | 13.1   | 10.7 | 8.8    |
| 75°    | 47.8   | 41.7 | 36.0   | 31.5 | 26.8   | 22.9 | 19.1   | 15.6 | 12.6   | 10.2 | 8.3    |
| 77.5°  | 48.4   | 42.2 | 37.0   | 32.5 | 27.7   | 23.5 | 18.9   | 15.2 | 12.1   | 9.3  | 7.1    |
| 80°    | 49.1   | 42.9 | 37.7   | 32.8 | 27.9   | 23.3 | 18.8   | 15.0 | 11.5   | 8.2  | 5.6    |
| 82.5°  | 50.1   | 43.9 | 38.5   | 33.3 | 28.2   | 23.3 | 18.8   | 14.9 | 11.0   | 7.2  | 4.3    |
| 85°    | 51.4   | 45.0 | 39.5   | 34.0 | 28.7   | 23.5 | 19.0   | 15.1 | 10.9   | 7.1  | 3.9    |
| 87.5°  | 53.0   | 46.5 | 40.8   | 35.0 | 29.4   | 24.1 | 19.6   | 15.7 | 11.2   | 7.3  | 4.1    |
| 90°    | 54.9   | 48.3 | 42.3   | 36.4 | 30.4   | 25.1 | 20.5   | 16.5 | 11.9   | 7.9  | 4.6    |
| 92.5°  | 53.0   | 46.5 | 40.8   | 35.0 | 29.4   | 24.1 | 19.6   | 15.7 | 11.2   | 7.3  | 4.1    |
| 95°    | 51.4   | 45.0 | 39.5   | 34.0 | 28.7   | 23.5 | 19.0   | 15.1 | 10.9   | 7.1  | 3.9    |
| 97.5°  | 50.1   | 43.9 | 38.5   | 33.3 | 28.2   | 23.3 | 18.8   | 14.9 | 11.0   | 7.2  | 4.3    |
| 100°   | 49.1   | 42.9 | 37.7   | 32.8 | 27.9   | 23.3 | 18.8   | 15.0 | 11.5   | 8.2  | 5.6    |
| 102.5° | 48.4   | 42.2 | 37.0   | 32.5 | 27.7   | 23.5 | 18.9   | 15.2 | 12.1   | 9.3  | 7.1    |
| 105°   | 47.8   | 41.7 | 36.0   | 31.5 | 26.8   | 22.9 | 19.1   | 15.6 | 12.6   | 10.2 | 8.3    |
| 107.5° | 46.2   | 40.0 | 34.5   | 30.0 | 25.8   | 22.0 | 19.0   | 15.8 | 13.1   | 10.7 | 8.8    |
| 110°   | 44.3   | 38.3 | 33.0   | 28.5 | 24.6   | 21.0 | 18.2   | 15.8 | 13.4   | 11.2 | 9.3    |





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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° | 42.3   | 36.5 | 31.5   | 27.1 | 23.3   | 19.9 | 17.0   | 15.0 | 13.5   | 11.7 | 9.9    |
| 115°   | 40.3   | 34.8 | 29.9   | 25.7 | 22.0   | 18.7 | 15.9   | 14.5 | 13.4   | 12.0 | 10.4   |
| 117.5° | 38.1   | 33.0 | 28.1   | 24.1 | 20.6   | 18.0 | 16.2   | 14.6 | 13.2   | 12.1 | 10.9   |
| 120°   | 35.7   | 31.0 | 26.5   | 22.3 | 20.3   | 18.4 | 16.7   | 15.0 | 13.5   | 12.1 | 10.9   |
| 122.5° | 33.2   | 28.5 | 25.7   | 23.0 | 20.5   | 18.7 | 17.0   | 15.6 | 14.1   | 12.6 | 11.3   |
| 125°   | 31.6   | 28.6 | 25.9   | 23.6 | 21.2   | 19.0 | 17.3   | 15.8 | 14.5   | 13.3 | 12.0   |
| 127.5° | 31.5   | 28.8 | 26.2   | 23.9 | 21.8   | 19.8 | 17.8   | 16.2 | 14.7   | 13.5 | 12.2   |
| 130°   | 31.3   | 28.6 | 26.3   | 24.1 | 22.1   | 20.2 | 18.5   | 16.8 | 15.3   | 13.8 | 11.9   |
| 132.5° | 31.0   | 28.4 | 26.1   | 24.0 | 22.1   | 20.4 | 18.8   | 17.2 | 15.7   | 13.9 | 12.1   |
| 135°   | 30.2   | 27.9 | 25.7   | 23.7 | 21.9   | 20.3 | 18.8   | 17.4 | 15.7   | 13.8 | 12.0   |
| 137.5° | 29.1   | 27.0 | 25.1   | 23.2 | 21.4   | 19.8 | 18.3   | 16.8 | 15.2   | 13.6 | 12.0   |
| 140°   | 27.8   | 25.7 | 23.8   | 22.2 | 20.6   | 19.0 | 17.5   | 16.0 | 14.5   | 13.0 | 11.5   |
| 142.5° | 26.0   | 24.2 | 22.3   | 20.6 | 19.1   | 18.0 | 16.7   | 15.3 | 13.8   | 12.4 | 10.9   |
| 145°   | 23.7   | 22.1 | 20.5   | 19.2 | 17.9   | 16.6 | 15.4   | 14.3 | 13.0   | 11.8 | 10.4   |
| 147.5° | 21.5   | 19.8 | 18.7   | 17.7 | 16.7   | 15.7 | 14.4   | 13.2 | 12.0   | 10.8 | 9.6    |
| 150°   | 19.7   | 18.6 | 17.5   | 16.4 | 15.3   | 14.4 | 13.4   | 12.3 | 11.3   | 10.1 | 9.0    |
| 152.5° | 18.4   | 17.4 | 16.4   | 15.4 | 14.4   | 13.3 | 12.3   | 11.3 | 10.3   | 9.3  | 8.3    |
| 155°   | 17.0   | 16.1 | 15.2   | 14.3 | 13.4   | 12.4 | 11.5   | 10.5 | 9.5    | 8.6  | 7.6    |
| 157.5° | 15.6   | 14.8 | 13.9   | 13.1 | 12.3   | 11.4 | 10.6   | 9.7  | 8.8    | 7.9  | 7.0    |
| 160°   | 14.2   | 13.4 | 12.7   | 11.9 | 11.2   | 10.4 | 9.6    | 8.8  | 8.1    | 7.3  | 6.5    |
| 162.5° | 12.7   | 12.0 | 11.4   | 10.7 | 10.1   | 9.4  | 8.7    | 8.0  | 7.3    | 6.6  | 5.8    |
| 165°   | 11.1   | 10.6 | 10.0   | 9.5  | 8.9    | 8.3  | 7.7    | 7.1  | 6.5    | 5.8  | 5.2    |
| 167.5° | 9.5    | 9.1  | 8.6    | 8.1  | 7.6    | 7.1  | 6.6    | 6.1  | 5.6    | 5.1  | 4.5    |
| 170°   | 7.9    | 7.5  | 7.1    | 6.8  | 6.4    | 6.0  | 5.5    | 5.1  | 4.7    | 4.3  | 3.8    |
| 172.5° | 6.2    | 5.9  | 5.6    | 5.3  | 5.0    | 4.7  | 4.4    | 4.1  | 3.8    | 3.4  | 3.1    |
| 175°   | 4.4    | 4.2  | 4.0    | 3.8  | 3.6    | 3.4  | 3.2    | 3.0  | 2.8    | 2.6  | 2.3    |
| 177.5° | 2.6    | 2.5  | 2.4    | 2.3  | 2.2    | 2.1  | 2.0    | 1.9  | 1.8    | 1.7  | 1.5    |
| 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°     | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 2.5°   | 1.4  | 1.3    | 1.2  | 1.1    | 0.9  | 0.8    | 0.7  | 0.8    | 0.9  | 1.1    | 1.2  |
| 5°     | 2.1  | 1.9    | 1.6  | 1.4    | 1.2  | 0.9    | 0.7  | 0.9    | 1.2  | 1.4    | 1.6  |
| 7.5°   | 2.8  | 2.4    | 2.1  | 1.7    | 1.4  | 1.0    | 0.7  | 1.0    | 1.4  | 1.7    | 2.1  |
| 10°    | 3.4  | 3.0    | 2.5  | 2.1    | 1.6  | 1.2    | 0.7  | 1.2    | 1.6  | 2.1    | 2.5  |
| 12.5°  | 4.0  | 3.5    | 2.9  | 2.4    | 1.8  | 1.3    | 0.7  | 1.3    | 1.8  | 2.4    | 2.9  |
| 15°    | 4.6  | 3.9    | 3.3  | 2.6    | 2.0  | 1.3    | 0.7  | 1.3    | 2.0  | 2.6    | 3.3  |
| 17.5°  | 5.1  | 4.4    | 3.6  | 2.9    | 2.2  | 1.4    | 0.7  | 1.4    | 2.2  | 2.9    | 3.6  |
| 20°    | 5.6  | 4.8    | 4.0  | 3.2    | 2.4  | 1.5    | 0.7  | 1.5    | 2.4  | 3.2    | 4.0  |
| 22.5°  | 6.1  | 5.2    | 4.3  | 3.4    | 2.5  | 1.6    | 0.7  | 1.6    | 2.5  | 3.4    | 4.3  |
| 25°    | 6.6  | 5.6    | 4.7  | 3.7    | 2.7  | 1.7    | 0.7  | 1.7    | 2.7  | 3.7    | 4.7  |
| 27.5°  | 7.2  | 6.2    | 5.1  | 4.0    | 2.9  | 1.8    | 0.7  | 1.8    | 2.9  | 4.0    | 5.1  |
| 30°    | 7.8  | 6.6    | 5.4  | 4.3    | 3.1  | 1.9    | 0.7  | 1.9    | 3.1  | 4.3    | 5.4  |
| 32.5°  | 8.4  | 7.2    | 5.9  | 4.6    | 3.3  | 2.0    | 0.7  | 2.0    | 3.3  | 4.6    | 5.9  |
| 35°    | 9.0  | 7.6    | 6.2  | 4.9    | 3.5  | 2.1    | 0.7  | 2.1    | 3.5  | 4.9    | 6.2  |
| 37.5°  | 9.5  | 8.0    | 6.6  | 5.1    | 3.6  | 2.2    | 0.7  | 2.2    | 3.6  | 5.1    | 6.6  |
| 40°    | 9.9  | 8.4    | 6.9  | 5.3    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.3    | 6.9  |
| 42.5°  | 10.3 | 8.6    | 7.0  | 5.4    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.4    | 7.0  |
| 45°    | 10.3 | 8.6    | 7.0  | 5.4    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.4    | 7.0  |
| 47.5°  | 10.3 | 8.6    | 6.9  | 5.3    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.3    | 6.9  |
| 50°    | 10.2 | 8.6    | 7.0  | 5.4    | 3.9  | 2.3    | 0.7  | 2.3    | 3.9  | 5.4    | 7.0  |
| 52.5°  | 10.6 | 8.7    | 7.0  | 5.4    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.4    | 7.0  |
| 55°    | 10.3 | 8.5    | 6.8  | 5.2    | 3.7  | 2.2    | 0.7  | 2.2    | 3.7  | 5.2    | 6.8  |
| 57.5°  | 10.0 | 8.3    | 6.7  | 5.2    | 3.7  | 2.2    | 0.7  | 2.2    | 3.7  | 5.2    | 6.7  |
| 60°    | 9.9  | 8.4    | 6.7  | 5.0    | 3.5  | 2.1    | 0.7  | 2.1    | 3.5  | 5.0    | 6.7  |
| 62.5°  | 9.4  | 7.9    | 6.3  | 4.8    | 3.6  | 2.4    | 1.3  | 2.4    | 3.6  | 4.8    | 6.3  |
| 65°    | 8.8  | 7.2    | 5.8  | 4.5    | 3.3  | 2.3    | 1.3  | 2.3    | 3.3  | 4.5    | 5.8  |
| 67.5°  | 8.1  | 6.5    | 5.1  | 3.9    | 2.9  | 2.0    | 1.3  | 2.0    | 2.9  | 3.9    | 5.1  |
| 70°    | 7.5  | 5.9    | 4.4  | 3.4    | 2.6  | 1.9    | 1.3  | 1.9    | 2.6  | 3.4    | 4.4  |
| 72.5°  | 7.1  | 5.5    | 4.1  | 2.8    | 2.0  | 1.6    | 1.3  | 1.6    | 2.0  | 2.8    | 4.1  |
| 75°    | 6.7  | 4.9    | 3.2  | 2.2    | 1.9  | 1.6    | 1.3  | 1.6    | 1.9  | 2.2    | 3.2  |
| 77.5°  | 5.4  | 4.0    | 2.5  | 1.6    | 0.7  | 0.2    | 0.0  | 0.2    | 0.7  | 1.6    | 2.5  |
| 80°    | 3.8  | 2.5    | 1.3  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 1.3  |
| 82.5°  | 2.4  | 1.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 85°    | 1.8  | 0.5    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 87.5°  | 1.5  | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 90°    | 1.3  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92.5°  | 1.5  | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95°    | 1.8  | 0.5    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97.5°  | 2.4  | 1.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100°   | 3.8  | 2.5    | 1.3  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 1.3  |
| 102.5° | 5.4  | 4.0    | 2.5  | 1.6    | 0.7  | 0.2    | 0.0  | 0.2    | 0.7  | 1.6    | 2.5  |
| 105°   | 6.7  | 4.9    | 3.2  | 2.2    | 1.9  | 1.6    | 1.3  | 1.6    | 1.9  | 2.2    | 3.2  |
| 107.5° | 7.1  | 5.5    | 4.1  | 2.8    | 2.0  | 1.6    | 1.3  | 1.6    | 2.0  | 2.8    | 4.1  |
| 110°   | 7.5  | 5.9    | 4.4  | 3.4    | 2.6  | 1.9    | 1.3  | 1.9    | 2.6  | 3.4    | 4.4  |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 8.1  | 6.5    | 5.1  | 3.9    | 2.9  | 2.0    | 1.3  | 2.0    | 2.9  | 3.9    | 5.1  |
| 115°   | 8.8  | 7.2    | 5.8  | 4.5    | 3.3  | 2.3    | 1.3  | 2.3    | 3.3  | 4.5    | 5.8  |
| 117.5° | 9.4  | 7.9    | 6.3  | 4.8    | 3.6  | 2.4    | 1.3  | 2.4    | 3.6  | 4.8    | 6.3  |
| 120°   | 9.9  | 8.4    | 6.7  | 5.0    | 3.5  | 2.1    | 0.7  | 2.1    | 3.5  | 5.0    | 6.7  |
| 122.5° | 10.0 | 8.3    | 6.7  | 5.2    | 3.7  | 2.2    | 0.7  | 2.2    | 3.7  | 5.2    | 6.7  |
| 125°   | 10.3 | 8.5    | 6.8  | 5.2    | 3.7  | 2.2    | 0.7  | 2.2    | 3.7  | 5.2    | 6.8  |
| 127.5° | 10.6 | 8.7    | 7.0  | 5.4    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.4    | 7.0  |
| 130°   | 10.2 | 8.6    | 7.0  | 5.4    | 3.9  | 2.3    | 0.7  | 2.3    | 3.9  | 5.4    | 7.0  |
| 132.5° | 10.3 | 8.6    | 6.9  | 5.3    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.3    | 6.9  |
| 135°   | 10.3 | 8.6    | 7.0  | 5.4    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.4    | 7.0  |
| 137.5° | 10.3 | 8.6    | 7.0  | 5.4    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.4    | 7.0  |
| 140°   | 9.9  | 8.4    | 6.9  | 5.3    | 3.8  | 2.2    | 0.7  | 2.2    | 3.8  | 5.3    | 6.9  |
| 142.5° | 9.5  | 8.0    | 6.6  | 5.1    | 3.6  | 2.2    | 0.7  | 2.2    | 3.6  | 5.1    | 6.6  |
| 145°   | 9.0  | 7.6    | 6.2  | 4.9    | 3.5  | 2.1    | 0.7  | 2.1    | 3.5  | 4.9    | 6.2  |
| 147.5° | 8.4  | 7.2    | 5.9  | 4.6    | 3.3  | 2.0    | 0.7  | 2.0    | 3.3  | 4.6    | 5.9  |
| 150°   | 7.8  | 6.6    | 5.4  | 4.3    | 3.1  | 1.9    | 0.7  | 1.9    | 3.1  | 4.3    | 5.4  |
| 152.5° | 7.2  | 6.2    | 5.1  | 4.0    | 2.9  | 1.8    | 0.7  | 1.8    | 2.9  | 4.0    | 5.1  |
| 155°   | 6.6  | 5.6    | 4.7  | 3.7    | 2.7  | 1.7    | 0.7  | 1.7    | 2.7  | 3.7    | 4.7  |
| 157.5° | 6.1  | 5.2    | 4.3  | 3.4    | 2.5  | 1.6    | 0.7  | 1.6    | 2.5  | 3.4    | 4.3  |
| 160°   | 5.6  | 4.8    | 4.0  | 3.2    | 2.4  | 1.5    | 0.7  | 1.5    | 2.4  | 3.2    | 4.0  |
| 162.5° | 5.1  | 4.4    | 3.6  | 2.9    | 2.2  | 1.4    | 0.7  | 1.4    | 2.2  | 2.9    | 3.6  |
| 165°   | 4.6  | 3.9    | 3.3  | 2.6    | 2.0  | 1.3    | 0.7  | 1.3    | 2.0  | 2.6    | 3.3  |
| 167.5° | 4.0  | 3.5    | 2.9  | 2.4    | 1.8  | 1.3    | 0.7  | 1.3    | 1.8  | 2.4    | 2.9  |
| 170°   | 3.4  | 3.0    | 2.5  | 2.1    | 1.6  | 1.2    | 0.7  | 1.2    | 1.6  | 2.1    | 2.5  |
| 172.5° | 2.8  | 2.4    | 2.1  | 1.7    | 1.4  | 1.0    | 0.7  | 1.0    | 1.4  | 1.7    | 2.1  |
| 175°   | 2.1  | 1.9    | 1.6  | 1.4    | 1.2  | 0.9    | 0.7  | 0.9    | 1.2  | 1.4    | 1.6  |
| 177.5° | 1.4  | 1.3    | 1.2  | 1.1    | 0.9  | 0.8    | 0.7  | 0.8    | 0.9  | 1.1    | 1.2  |
| 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: P231947

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**CANDELA DISTRIBUTION (continued):**

|        | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 0°     | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    |
| 2.5°   | 1.3    | 1.4  | 1.5    | 1.7  | 1.8    | 1.9  | 2.0    | 2.1  | 2.2    | 2.3  | 2.4    |
| 5°     | 1.9    | 2.1  | 2.3    | 2.6  | 2.8    | 3.0  | 3.2    | 3.4  | 3.6    | 3.8  | 4.0    |
| 7.5°   | 2.4    | 2.8  | 3.1    | 3.4  | 3.8    | 4.1  | 4.4    | 4.7  | 5.0    | 5.3  | 5.6    |
| 10°    | 3.0    | 3.4  | 3.8    | 4.3  | 4.7    | 5.1  | 5.5    | 6.0  | 6.4    | 6.8  | 7.1    |
| 12.5°  | 3.5    | 4.0  | 4.5    | 5.1  | 5.6    | 6.1  | 6.6    | 7.1  | 7.6    | 8.1  | 8.6    |
| 15°    | 3.9    | 4.6  | 5.2    | 5.8  | 6.5    | 7.1  | 7.7    | 8.3  | 8.9    | 9.5  | 10.0   |
| 17.5°  | 4.4    | 5.1  | 5.8    | 6.6  | 7.3    | 8.0  | 8.7    | 9.4  | 10.1   | 10.7 | 11.4   |
| 20°    | 4.8    | 5.6  | 6.5    | 7.3  | 8.1    | 8.8  | 9.6    | 10.4 | 11.2   | 11.9 | 12.7   |
| 22.5°  | 5.2    | 6.1  | 7.0    | 7.9  | 8.8    | 9.7  | 10.6   | 11.4 | 12.3   | 13.1 | 13.9   |
| 25°    | 5.6    | 6.6  | 7.6    | 8.6  | 9.5    | 10.5 | 11.5   | 12.4 | 13.4   | 14.3 | 15.2   |
| 27.5°  | 6.2    | 7.2  | 8.3    | 9.3  | 10.3   | 11.3 | 12.3   | 13.3 | 14.4   | 15.4 | 16.4   |
| 30°    | 6.6    | 7.8  | 9.0    | 10.1 | 11.3   | 12.3 | 13.4   | 14.4 | 15.3   | 16.4 | 17.5   |
| 32.5°  | 7.2    | 8.4  | 9.6    | 10.8 | 12.0   | 13.2 | 14.4   | 15.7 | 16.7   | 17.7 | 18.7   |
| 35°    | 7.6    | 9.0  | 10.4   | 11.8 | 13.0   | 14.3 | 15.4   | 16.6 | 17.9   | 19.2 | 20.5   |
| 37.5°  | 8.0    | 9.5  | 10.9   | 12.4 | 13.8   | 15.3 | 16.7   | 18.0 | 19.1   | 20.6 | 22.3   |
| 40°    | 8.4    | 9.9  | 11.5   | 13.0 | 14.5   | 16.0 | 17.5   | 19.0 | 20.6   | 22.2 | 23.8   |
| 42.5°  | 8.6    | 10.3 | 12.0   | 13.6 | 15.2   | 16.8 | 18.3   | 19.8 | 21.4   | 23.2 | 25.1   |
| 45°    | 8.6    | 10.3 | 12.0   | 13.8 | 15.7   | 17.4 | 18.8   | 20.3 | 21.9   | 23.7 | 25.7   |
| 47.5°  | 8.6    | 10.3 | 12.1   | 13.9 | 15.7   | 17.2 | 18.8   | 20.4 | 22.1   | 24.0 | 26.1   |
| 50°    | 8.6    | 10.2 | 11.9   | 13.8 | 15.3   | 16.8 | 18.5   | 20.2 | 22.1   | 24.1 | 26.3   |
| 52.5°  | 8.7    | 10.6 | 12.2   | 13.5 | 14.7   | 16.2 | 17.8   | 19.8 | 21.8   | 23.9 | 26.2   |
| 55°    | 8.5    | 10.3 | 12.0   | 13.3 | 14.5   | 15.8 | 17.3   | 19.0 | 21.2   | 23.6 | 25.9   |
| 57.5°  | 8.3    | 10.0 | 11.3   | 12.6 | 14.1   | 15.6 | 17.0   | 18.7 | 20.5   | 23.0 | 25.7   |
| 60°    | 8.4    | 9.9  | 10.9   | 12.1 | 13.5   | 15.0 | 16.7   | 18.4 | 20.3   | 22.3 | 26.5   |
| 62.5°  | 7.9    | 9.4  | 10.9   | 12.1 | 13.2   | 14.6 | 16.2   | 18.0 | 20.6   | 24.1 | 28.1   |
| 65°    | 7.2    | 8.8  | 10.4   | 12.0 | 13.4   | 14.5 | 15.9   | 18.7 | 22.0   | 25.7 | 29.9   |
| 67.5°  | 6.5    | 8.1  | 9.9    | 11.7 | 13.5   | 15.0 | 17.0   | 19.9 | 23.3   | 27.1 | 31.5   |
| 70°    | 5.9    | 7.5  | 9.3    | 11.2 | 13.4   | 15.8 | 18.2   | 21.0 | 24.6   | 28.5 | 33.0   |
| 72.5°  | 5.5    | 7.1  | 8.8    | 10.7 | 13.1   | 15.8 | 19.0   | 22.0 | 25.8   | 30.0 | 34.5   |
| 75°    | 4.9    | 6.7  | 8.3    | 10.2 | 12.6   | 15.6 | 19.1   | 22.9 | 26.8   | 31.5 | 36.0   |
| 77.5°  | 4.0    | 5.4  | 7.1    | 9.3  | 12.1   | 15.2 | 18.9   | 23.5 | 27.7   | 32.5 | 37.0   |
| 80°    | 2.5    | 3.8  | 5.6    | 8.2  | 11.5   | 15.0 | 18.8   | 23.3 | 27.9   | 32.8 | 37.7   |
| 82.5°  | 1.3    | 2.4  | 4.3    | 7.2  | 11.0   | 14.9 | 18.8   | 23.3 | 28.2   | 33.3 | 38.5   |
| 85°    | 0.5    | 1.8  | 3.9    | 7.1  | 10.9   | 15.1 | 19.0   | 23.5 | 28.7   | 34.0 | 39.5   |
| 87.5°  | 0.1    | 1.5  | 4.1    | 7.3  | 11.2   | 15.7 | 19.6   | 24.1 | 29.4   | 35.0 | 40.8   |
| 90°    | 0.0    | 1.3  | 4.6    | 7.9  | 11.9   | 16.5 | 20.5   | 25.1 | 30.4   | 36.4 | 42.3   |
| 92.5°  | 0.1    | 1.5  | 4.1    | 7.3  | 11.2   | 15.7 | 19.6   | 24.1 | 29.4   | 35.0 | 40.8   |
| 95°    | 0.5    | 1.8  | 3.9    | 7.1  | 10.9   | 15.1 | 19.0   | 23.5 | 28.7   | 34.0 | 39.5   |
| 97.5°  | 1.3    | 2.4  | 4.3    | 7.2  | 11.0   | 14.9 | 18.8   | 23.3 | 28.2   | 33.3 | 38.5   |
| 100°   | 2.5    | 3.8  | 5.6    | 8.2  | 11.5   | 15.0 | 18.8   | 23.3 | 27.9   | 32.8 | 37.7   |
| 102.5° | 4.0    | 5.4  | 7.1    | 9.3  | 12.1   | 15.2 | 18.9   | 23.5 | 27.7   | 32.5 | 37.0   |
| 105°   | 4.9    | 6.7  | 8.3    | 10.2 | 12.6   | 15.6 | 19.1   | 22.9 | 26.8   | 31.5 | 36.0   |
| 107.5° | 5.5    | 7.1  | 8.8    | 10.7 | 13.1   | 15.8 | 19.0   | 22.0 | 25.8   | 30.0 | 34.5   |
| 110°   | 5.9    | 7.5  | 9.3    | 11.2 | 13.4   | 15.8 | 18.2   | 21.0 | 24.6   | 28.5 | 33.0   |



TEST NUMBER: P231947

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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° | 6.5    | 8.1  | 9.9    | 11.7 | 13.5   | 15.0 | 17.0   | 19.9 | 23.3   | 27.1 | 31.5   |
| 115°   | 7.2    | 8.8  | 10.4   | 12.0 | 13.4   | 14.5 | 15.9   | 18.7 | 22.0   | 25.7 | 29.9   |
| 117.5° | 7.9    | 9.4  | 10.9   | 12.1 | 13.2   | 14.6 | 16.2   | 18.0 | 20.6   | 24.1 | 28.1   |
| 120°   | 8.4    | 9.9  | 10.9   | 12.1 | 13.5   | 15.0 | 16.7   | 18.4 | 20.3   | 22.3 | 26.5   |
| 122.5° | 8.3    | 10.0 | 11.3   | 12.6 | 14.1   | 15.6 | 17.0   | 18.7 | 20.5   | 23.0 | 25.7   |
| 125°   | 8.5    | 10.3 | 12.0   | 13.3 | 14.5   | 15.8 | 17.3   | 19.0 | 21.2   | 23.6 | 25.9   |
| 127.5° | 8.7    | 10.6 | 12.2   | 13.5 | 14.7   | 16.2 | 17.8   | 19.8 | 21.8   | 23.9 | 26.2   |
| 130°   | 8.6    | 10.2 | 11.9   | 13.8 | 15.3   | 16.8 | 18.5   | 20.2 | 22.1   | 24.1 | 26.3   |
| 132.5° | 8.6    | 10.3 | 12.1   | 13.9 | 15.7   | 17.2 | 18.8   | 20.4 | 22.1   | 24.0 | 26.1   |
| 135°   | 8.6    | 10.3 | 12.0   | 13.8 | 15.7   | 17.4 | 18.8   | 20.3 | 21.9   | 23.7 | 25.7   |
| 137.5° | 8.6    | 10.3 | 12.0   | 13.6 | 15.2   | 16.8 | 18.3   | 19.8 | 21.4   | 23.2 | 25.1   |
| 140°   | 8.4    | 9.9  | 11.5   | 13.0 | 14.5   | 16.0 | 17.5   | 19.0 | 20.6   | 22.2 | 23.8   |
| 142.5° | 8.0    | 9.5  | 10.9   | 12.4 | 13.8   | 15.3 | 16.7   | 18.0 | 19.1   | 20.6 | 22.3   |
| 145°   | 7.6    | 9.0  | 10.4   | 11.8 | 13.0   | 14.3 | 15.4   | 16.6 | 17.9   | 19.2 | 20.5   |
| 147.5° | 7.2    | 8.4  | 9.6    | 10.8 | 12.0   | 13.2 | 14.4   | 15.7 | 16.7   | 17.7 | 18.7   |
| 150°   | 6.6    | 7.8  | 9.0    | 10.1 | 11.3   | 12.3 | 13.4   | 14.4 | 15.3   | 16.4 | 17.5   |
| 152.5° | 6.2    | 7.2  | 8.3    | 9.3  | 10.3   | 11.3 | 12.3   | 13.3 | 14.4   | 15.4 | 16.4   |
| 155°   | 5.6    | 6.6  | 7.6    | 8.6  | 9.5    | 10.5 | 11.5   | 12.4 | 13.4   | 14.3 | 15.2   |
| 157.5° | 5.2    | 6.1  | 7.0    | 7.9  | 8.8    | 9.7  | 10.6   | 11.4 | 12.3   | 13.1 | 13.9   |
| 160°   | 4.8    | 5.6  | 6.5    | 7.3  | 8.1    | 8.8  | 9.6    | 10.4 | 11.2   | 11.9 | 12.7   |
| 162.5° | 4.4    | 5.1  | 5.8    | 6.6  | 7.3    | 8.0  | 8.7    | 9.4  | 10.1   | 10.7 | 11.4   |
| 165°   | 3.9    | 4.6  | 5.2    | 5.8  | 6.5    | 7.1  | 7.7    | 8.3  | 8.9    | 9.5  | 10.0   |
| 167.5° | 3.5    | 4.0  | 4.5    | 5.1  | 5.6    | 6.1  | 6.6    | 7.1  | 7.6    | 8.1  | 8.6    |
| 170°   | 3.0    | 3.4  | 3.8    | 4.3  | 4.7    | 5.1  | 5.5    | 6.0  | 6.4    | 6.8  | 7.1    |
| 172.5° | 2.4    | 2.8  | 3.1    | 3.4  | 3.8    | 4.1  | 4.4    | 4.7  | 5.0    | 5.3  | 5.6    |
| 175°   | 1.9    | 2.1  | 2.3    | 2.6  | 2.8    | 3.0  | 3.2    | 3.4  | 3.6    | 3.8  | 4.0    |
| 177.5° | 1.3    | 1.4  | 1.5    | 1.7  | 1.8    | 1.9  | 2.0    | 2.1  | 2.2    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|        | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235°  | 237.5° | 240°  | 242.5° | 245°  |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| 0°     | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   |
| 2.5°   | 2.5  | 2.6    | 2.7  | 2.8    | 2.9  | 3.0    | 3.1   | 3.1    | 3.2   | 3.3    | 3.3   |
| 5°     | 4.2  | 4.4    | 4.6  | 4.8    | 4.9  | 5.1    | 5.3   | 5.4    | 5.5   | 5.7    | 5.8   |
| 7.5°   | 5.9  | 6.2    | 6.5  | 6.7    | 7.0  | 7.2    | 7.4   | 7.6    | 7.9   | 8.1    | 8.2   |
| 10°    | 7.5  | 7.9    | 8.3  | 8.6    | 8.9  | 9.2    | 9.6   | 9.8    | 10.1  | 10.4   | 10.6  |
| 12.5°  | 9.1  | 9.5    | 10.0 | 10.4   | 10.8 | 11.3   | 11.6  | 12.0   | 12.3  | 12.7   | 13.0  |
| 15°    | 10.6 | 11.1   | 11.7 | 12.2   | 12.7 | 13.2   | 13.6  | 14.1   | 14.5  | 14.9   | 15.3  |
| 17.5°  | 12.0 | 12.7   | 13.3 | 13.9   | 14.5 | 15.0   | 15.6  | 16.1   | 16.6  | 17.1   | 17.6  |
| 20°    | 13.4 | 14.2   | 14.9 | 15.6   | 16.2 | 16.9   | 17.5  | 18.1   | 18.7  | 19.3   | 19.8  |
| 22.5°  | 14.8 | 15.6   | 16.4 | 17.2   | 17.9 | 18.7   | 19.4  | 20.1   | 20.7  | 21.4   | 22.0  |
| 25°    | 16.1 | 17.0   | 17.8 | 18.7   | 19.6 | 20.4   | 21.2  | 22.0   | 22.8  | 23.5   | 25.1  |
| 27.5°  | 17.4 | 18.4   | 19.3 | 20.2   | 21.2 | 22.1   | 23.8  | 25.7   | 27.8  | 29.8   | 32.0  |
| 30°    | 18.6 | 19.7   | 20.7 | 22.3   | 24.2 | 26.1   | 28.2  | 30.5   | 32.9  | 35.5   | 38.1  |
| 32.5°  | 19.8 | 21.5   | 23.4 | 25.4   | 27.5 | 29.7   | 32.0  | 34.6   | 37.4  | 40.4   | 43.6  |
| 35°    | 22.1 | 23.7   | 25.7 | 27.9   | 30.3 | 32.7   | 35.4  | 38.1   | 41.3  | 44.7   | 48.5  |
| 37.5°  | 24.2 | 26.0   | 27.9 | 30.1   | 32.6 | 35.3   | 38.3  | 41.4   | 44.7  | 48.6   | 52.8  |
| 40°    | 25.7 | 27.8   | 30.0 | 32.1   | 34.6 | 37.6   | 40.8  | 44.2   | 47.9  | 51.9   | 56.7  |
| 42.5°  | 27.0 | 29.1   | 31.5 | 34.0   | 36.5 | 39.5   | 42.9  | 46.7   | 50.7  | 55.1   | 60.2  |
| 45°    | 27.9 | 30.2   | 32.7 | 35.5   | 38.4 | 41.3   | 44.8  | 48.8   | 53.3  | 58.1   | 63.3  |
| 47.5°  | 28.4 | 31.0   | 33.7 | 36.6   | 39.8 | 43.1   | 46.5  | 50.8   | 55.6  | 60.7   | 66.4  |
| 50°    | 28.6 | 31.3   | 34.3 | 37.5   | 41.0 | 44.6   | 48.3  | 52.8   | 58.6  | 64.3   | 69.8  |
| 52.5°  | 28.8 | 31.5   | 34.6 | 38.1   | 41.9 | 47.1   | 52.5  | 57.9   | 63.6  | 69.0   | 73.9  |
| 55°    | 28.6 | 31.6   | 35.1 | 40.3   | 45.9 | 51.7   | 57.4  | 63.2   | 69.0  | 74.4   | 78.8  |
| 57.5°  | 28.5 | 33.2   | 38.3 | 43.6   | 49.7 | 56.0   | 62.2  | 68.5   | 74.7  | 80.1   | 84.2  |
| 60°    | 31.0 | 35.7   | 41.1 | 46.8   | 53.2 | 60.1   | 66.9  | 73.6   | 80.3  | 86.0   | 90.1  |
| 62.5°  | 33.0 | 38.1   | 43.7 | 49.9   | 56.4 | 64.0   | 71.4  | 78.6   | 85.8  | 92.2   | 96.5  |
| 65°    | 34.8 | 40.3   | 46.2 | 52.8   | 59.7 | 67.6   | 75.8  | 83.6   | 91.2  | 98.6   | 103.3 |
| 67.5°  | 36.5 | 42.3   | 48.6 | 55.5   | 62.9 | 71.1   | 80.1  | 88.6   | 96.7  | 104.8  | 109.7 |
| 70°    | 38.3 | 44.3   | 50.9 | 58.2   | 66.1 | 74.4   | 84.4  | 93.5   | 102.1 | 110.3  | 114.6 |
| 72.5°  | 40.0 | 46.2   | 53.2 | 60.9   | 69.2 | 77.3   | 86.9  | 95.7   | 103.4 | 110.2  | 114.2 |
| 75°    | 41.7 | 47.8   | 54.5 | 61.8   | 69.9 | 78.5   | 88.0  | 97.1   | 104.7 | 110.6  | 114.2 |
| 77.5°  | 42.2 | 48.4   | 55.1 | 62.5   | 70.7 | 79.7   | 89.4  | 98.8   | 106.3 | 111.5  | 114.3 |
| 80°    | 42.9 | 49.1   | 55.9 | 63.3   | 71.7 | 81.0   | 91.1  | 100.7  | 108.3 | 112.9  | 114.7 |
| 82.5°  | 43.9 | 50.1   | 57.0 | 64.4   | 73.0 | 82.5   | 93.2  | 103.0  | 110.5 | 114.5  | 115.3 |
| 85°    | 45.0 | 51.4   | 58.5 | 65.8   | 74.6 | 84.2   | 95.5  | 105.4  | 113.0 | 116.4  | 115.9 |
| 87.5°  | 46.5 | 53.0   | 60.2 | 67.5   | 76.5 | 86.2   | 98.2  | 108.2  | 115.6 | 118.4  | 116.5 |
| 90°    | 48.3 | 54.9   | 62.2 | 69.5   | 78.7 | 88.6   | 101.2 | 111.1  | 118.4 | 120.4  | 117.1 |
| 92.5°  | 46.5 | 53.0   | 60.2 | 67.5   | 76.5 | 86.2   | 98.2  | 108.2  | 115.6 | 118.4  | 116.5 |
| 95°    | 45.0 | 51.4   | 58.5 | 65.8   | 74.6 | 84.2   | 95.5  | 105.4  | 113.0 | 116.4  | 115.9 |
| 97.5°  | 43.9 | 50.1   | 57.0 | 64.4   | 73.0 | 82.5   | 93.2  | 103.0  | 110.5 | 114.5  | 115.3 |
| 100°   | 42.9 | 49.1   | 55.9 | 63.3   | 71.7 | 81.0   | 91.1  | 100.7  | 108.3 | 112.9  | 114.7 |
| 102.5° | 42.2 | 48.4   | 55.1 | 62.5   | 70.7 | 79.7   | 89.4  | 98.8   | 106.3 | 111.5  | 114.3 |
| 105°   | 41.7 | 47.8   | 54.5 | 61.8   | 69.9 | 78.5   | 88.0  | 97.1   | 104.7 | 110.6  | 114.2 |
| 107.5° | 40.0 | 46.2   | 53.2 | 60.9   | 69.2 | 77.3   | 86.9  | 95.7   | 103.4 | 110.2  | 114.2 |
| 110°   | 38.3 | 44.3   | 50.9 | 58.2   | 66.1 | 74.4   | 84.4  | 93.5   | 102.1 | 110.3  | 114.6 |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245°  |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| 112.5° | 36.5 | 42.3   | 48.6 | 55.5   | 62.9 | 71.1   | 80.1 | 88.6   | 96.7 | 104.8  | 109.7 |
| 115°   | 34.8 | 40.3   | 46.2 | 52.8   | 59.7 | 67.6   | 75.8 | 83.6   | 91.2 | 98.6   | 103.3 |
| 117.5° | 33.0 | 38.1   | 43.7 | 49.9   | 56.4 | 64.0   | 71.4 | 78.6   | 85.8 | 92.2   | 96.5  |
| 120°   | 31.0 | 35.7   | 41.1 | 46.8   | 53.2 | 60.1   | 66.9 | 73.6   | 80.3 | 86.0   | 90.1  |
| 122.5° | 28.5 | 33.2   | 38.3 | 43.6   | 49.7 | 56.0   | 62.2 | 68.5   | 74.7 | 80.1   | 84.2  |
| 125°   | 28.6 | 31.6   | 35.1 | 40.3   | 45.9 | 51.7   | 57.4 | 63.2   | 69.0 | 74.4   | 78.8  |
| 127.5° | 28.8 | 31.5   | 34.6 | 38.1   | 41.9 | 47.1   | 52.5 | 57.9   | 63.6 | 69.0   | 73.9  |
| 130°   | 28.6 | 31.3   | 34.3 | 37.5   | 41.0 | 44.6   | 48.3 | 52.8   | 58.6 | 64.3   | 69.8  |
| 132.5° | 28.4 | 31.0   | 33.7 | 36.6   | 39.8 | 43.1   | 46.5 | 50.8   | 55.6 | 60.7   | 66.4  |
| 135°   | 27.9 | 30.2   | 32.7 | 35.5   | 38.4 | 41.3   | 44.8 | 48.8   | 53.3 | 58.1   | 63.3  |
| 137.5° | 27.0 | 29.1   | 31.5 | 34.0   | 36.5 | 39.5   | 42.9 | 46.7   | 50.7 | 55.1   | 60.2  |
| 140°   | 25.7 | 27.8   | 30.0 | 32.1   | 34.6 | 37.6   | 40.8 | 44.2   | 47.9 | 51.9   | 56.7  |
| 142.5° | 24.2 | 26.0   | 27.9 | 30.1   | 32.6 | 35.3   | 38.3 | 41.4   | 44.7 | 48.6   | 52.8  |
| 145°   | 22.1 | 23.7   | 25.7 | 27.9   | 30.3 | 32.7   | 35.4 | 38.1   | 41.3 | 44.7   | 48.5  |
| 147.5° | 19.8 | 21.5   | 23.4 | 25.4   | 27.5 | 29.7   | 32.0 | 34.6   | 37.4 | 40.4   | 43.6  |
| 150°   | 18.6 | 19.7   | 20.7 | 22.3   | 24.2 | 26.1   | 28.2 | 30.5   | 32.9 | 35.5   | 38.1  |
| 152.5° | 17.4 | 18.4   | 19.3 | 20.2   | 21.2 | 22.1   | 23.8 | 25.7   | 27.8 | 29.8   | 32.0  |
| 155°   | 16.1 | 17.0   | 17.8 | 18.7   | 19.6 | 20.4   | 21.2 | 22.0   | 22.8 | 23.5   | 25.1  |
| 157.5° | 14.8 | 15.6   | 16.4 | 17.2   | 17.9 | 18.7   | 19.4 | 20.1   | 20.7 | 21.4   | 22.0  |
| 160°   | 13.4 | 14.2   | 14.9 | 15.6   | 16.2 | 16.9   | 17.5 | 18.1   | 18.7 | 19.3   | 19.8  |
| 162.5° | 12.0 | 12.7   | 13.3 | 13.9   | 14.5 | 15.0   | 15.6 | 16.1   | 16.6 | 17.1   | 17.6  |
| 165°   | 10.6 | 11.1   | 11.7 | 12.2   | 12.7 | 13.2   | 13.6 | 14.1   | 14.5 | 14.9   | 15.3  |
| 167.5° | 9.1  | 9.5    | 10.0 | 10.4   | 10.8 | 11.3   | 11.6 | 12.0   | 12.3 | 12.7   | 13.0  |
| 170°   | 7.5  | 7.9    | 8.3  | 8.6    | 8.9  | 9.2    | 9.6  | 9.8    | 10.1 | 10.4   | 10.6  |
| 172.5° | 5.9  | 6.2    | 6.5  | 6.7    | 7.0  | 7.2    | 7.4  | 7.6    | 7.9  | 8.1    | 8.2   |
| 175°   | 4.2  | 4.4    | 4.6  | 4.8    | 4.9  | 5.1    | 5.3  | 5.4    | 5.5  | 5.7    | 5.8   |
| 177.5° | 2.5  | 2.6    | 2.7  | 2.8    | 2.9  | 3.0    | 3.1  | 3.1    | 3.2  | 3.3    | 3.3   |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 252.5° | 255°  | 257.5° | 260°  | 262.5° | 265°  | 267.5° | 270°  | 272.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0°     | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    |
| 2.5°   | 3.4    | 3.5   | 3.5    | 3.6   | 3.6    | 3.6   | 3.7    | 3.7   | 3.7    | 3.7   | 4.2    |
| 5°     | 6.0    | 6.1   | 6.2    | 6.3   | 6.4    | 6.5   | 6.6    | 6.6   | 6.7    | 6.7   | 7.6    |
| 7.5°   | 8.4    | 8.6   | 8.7    | 8.9   | 9.1    | 9.3   | 9.4    | 9.5   | 9.6    | 9.7   | 11.0   |
| 10°    | 10.9   | 11.1  | 11.3   | 11.5  | 11.7   | 12.0  | 12.2   | 12.4  | 12.6   | 12.7  | 14.5   |
| 12.5°  | 13.3   | 13.6  | 13.8   | 14.1  | 14.3   | 14.6  | 14.9   | 15.2  | 15.5   | 15.8  | 17.9   |
| 15°    | 15.7   | 16.0  | 16.3   | 16.6  | 16.9   | 17.2  | 17.6   | 18.0  | 18.4   | 18.8  | 21.2   |
| 17.5°  | 18.0   | 18.4  | 18.8   | 19.2  | 19.5   | 19.8  | 20.2   | 20.8  | 21.3   | 21.8  | 24.6   |
| 20°    | 20.4   | 20.8  | 21.3   | 21.7  | 22.1   | 22.5  | 22.8   | 23.5  | 24.2   | 24.8  | 28.0   |
| 22.5°  | 22.6   | 23.2  | 23.7   | 24.2  | 24.6   | 25.1  | 25.5   | 26.2  | 27.0   | 27.8  | 31.3   |
| 25°    | 26.7   | 28.4  | 29.9   | 31.3  | 32.5   | 33.5  | 34.2   | 34.9  | 35.9   | 36.6  | 40.1   |
| 27.5°  | 34.1   | 36.3  | 38.3   | 40.1  | 41.6   | 42.7  | 43.4   | 43.9  | 44.8   | 45.4  | 48.9   |
| 30°    | 40.9   | 43.7  | 46.3   | 48.8  | 50.5   | 52.1  | 52.7   | 53.0  | 53.7   | 54.3  | 57.7   |
| 32.5°  | 47.0   | 50.5  | 53.8   | 56.9  | 59.3   | 61.3  | 62.0   | 62.2  | 62.7   | 63.1  | 66.4   |
| 35°    | 52.5   | 56.7  | 60.9   | 64.7  | 68.1   | 70.3  | 71.4   | 71.5  | 71.7   | 71.9  | 75.0   |
| 37.5°  | 57.4   | 62.3  | 67.4   | 72.2  | 76.8   | 79.2  | 80.9   | 80.8  | 80.8   | 80.7  | 83.6   |
| 40°    | 61.9   | 67.5  | 73.5   | 79.3  | 84.5   | 88.1  | 90.5   | 90.1  | 89.8   | 89.6  | 92.1   |
| 42.5°  | 65.9   | 72.3  | 79.1   | 86.4  | 92.2   | 96.9  | 100.1  | 99.5  | 98.9   | 98.4  | 100.5  |
| 45°    | 69.7   | 76.7  | 84.3   | 92.4  | 99.6   | 105.6 | 109.1  | 108.9 | 108.0  | 107.2 | 108.9  |
| 47.5°  | 73.0   | 79.9  | 87.2   | 94.8  | 101.8  | 108.1 | 111.8  | 113.1 | 113.7  | 114.8 | 119.2  |
| 50°    | 75.2   | 81.2  | 87.8   | 94.9  | 102.1  | 108.8 | 113.6  | 116.7 | 119.3  | 122.5 | 129.7  |
| 52.5°  | 78.3   | 83.4  | 89.0   | 95.4  | 102.5  | 109.4 | 115.3  | 120.1 | 124.6  | 130.1 | 140.3  |
| 55°    | 82.4   | 86.3  | 90.7   | 96.2  | 103.0  | 110.1 | 116.9  | 123.3 | 129.9  | 137.8 | 151.1  |
| 57.5°  | 87.2   | 89.8  | 92.9   | 97.3  | 103.7  | 110.8 | 118.3  | 126.3 | 135.0  | 145.4 | 162.1  |
| 60°    | 92.5   | 93.9  | 95.7   | 99.1  | 104.6  | 111.6 | 119.7  | 129.0 | 140.0  | 153.1 | 173.2  |
| 62.5°  | 98.4   | 98.5  | 99.1   | 101.3 | 105.8  | 112.4 | 121.0  | 131.6 | 144.9  | 160.7 | 184.4  |
| 65°    | 104.5  | 103.8 | 103.0  | 103.7 | 107.1  | 113.3 | 122.2  | 134.1 | 149.8  | 168.4 | 195.7  |
| 67.5°  | 110.8  | 109.3 | 107.2  | 106.4 | 108.6  | 114.2 | 123.3  | 136.4 | 154.5  | 176.0 | 207.0  |
| 70°    | 114.7  | 112.0 | 108.6  | 106.8 | 108.4  | 113.6 | 122.5  | 135.4 | 153.4  | 175.2 | 206.7  |
| 72.5°  | 114.3  | 111.5 | 108.1  | 106.3 | 107.7  | 112.8 | 121.6  | 134.3 | 152.3  | 174.4 | 206.2  |
| 75°    | 114.0  | 111.0 | 107.5  | 105.7 | 107.1  | 112.1 | 120.8  | 133.3 | 151.2  | 173.6 | 206.8  |
| 77.5°  | 113.8  | 110.4 | 106.8  | 105.1 | 106.6  | 111.4 | 120.1  | 132.4 | 150.1  | 172.8 | 205.9  |
| 80°    | 113.5  | 109.7 | 106.0  | 104.5 | 106.1  | 110.8 | 119.5  | 131.6 | 149.1  | 171.9 | 204.9  |
| 82.5°  | 113.3  | 109.0 | 105.2  | 103.8 | 105.6  | 110.3 | 118.9  | 130.8 | 148.1  | 171.1 | 204.0  |
| 85°    | 113.1  | 108.2 | 104.3  | 103.2 | 105.2  | 109.8 | 118.4  | 130.2 | 147.2  | 170.3 | 203.0  |
| 87.5°  | 112.8  | 107.4 | 103.4  | 102.5 | 104.8  | 109.4 | 118.0  | 129.5 | 146.3  | 169.5 | 202.1  |
| 90°    | 112.5  | 106.5 | 102.5  | 101.9 | 104.5  | 109.1 | 117.7  | 129.0 | 145.5  | 168.7 | 201.1  |
| 92.5°  | 112.8  | 107.4 | 103.4  | 102.5 | 104.8  | 109.4 | 118.0  | 129.5 | 146.3  | 169.5 | 202.1  |
| 95°    | 113.1  | 108.2 | 104.3  | 103.2 | 105.2  | 109.8 | 118.4  | 130.2 | 147.2  | 170.3 | 203.0  |
| 97.5°  | 113.3  | 109.0 | 105.2  | 103.8 | 105.6  | 110.3 | 118.9  | 130.8 | 148.1  | 171.1 | 204.0  |
| 100°   | 113.5  | 109.7 | 106.0  | 104.5 | 106.1  | 110.8 | 119.5  | 131.6 | 149.1  | 171.9 | 204.9  |
| 102.5° | 113.8  | 110.4 | 106.8  | 105.1 | 106.6  | 111.4 | 120.1  | 132.4 | 150.1  | 172.8 | 205.9  |
| 105°   | 114.0  | 111.0 | 107.5  | 105.7 | 107.1  | 112.1 | 120.8  | 133.3 | 151.2  | 173.6 | 206.8  |
| 107.5° | 114.3  | 111.5 | 108.1  | 106.3 | 107.7  | 112.8 | 121.6  | 134.3 | 152.3  | 174.4 | 206.2  |
| 110°   | 114.7  | 112.0 | 108.6  | 106.8 | 108.4  | 113.6 | 122.5  | 135.4 | 153.4  | 175.2 | 206.7  |





TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 252.5° | 255°  | 257.5° | 260°  | 262.5° | 265°  | 267.5° | 270°  | 272.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 112.5° | 110.8  | 109.3 | 107.2  | 106.4 | 108.6  | 114.2 | 123.3  | 136.4 | 154.5  | 176.0 | 207.0  |
| 115°   | 104.5  | 103.8 | 103.0  | 103.7 | 107.1  | 113.3 | 122.2  | 134.1 | 149.8  | 168.4 | 195.7  |
| 117.5° | 98.4   | 98.5  | 99.1   | 101.3 | 105.8  | 112.4 | 121.0  | 131.6 | 144.9  | 160.7 | 184.4  |
| 120°   | 92.5   | 93.9  | 95.7   | 99.1  | 104.6  | 111.6 | 119.7  | 129.0 | 140.0  | 153.1 | 173.2  |
| 122.5° | 87.2   | 89.8  | 92.9   | 97.3  | 103.7  | 110.8 | 118.3  | 126.3 | 135.0  | 145.4 | 162.1  |
| 125°   | 82.4   | 86.3  | 90.7   | 96.2  | 103.0  | 110.1 | 116.9  | 123.3 | 129.9  | 137.8 | 151.1  |
| 127.5° | 78.3   | 83.4  | 89.0   | 95.4  | 102.5  | 109.4 | 115.3  | 120.1 | 124.6  | 130.1 | 140.3  |
| 130°   | 75.2   | 81.2  | 87.8   | 94.9  | 102.1  | 108.8 | 113.6  | 116.7 | 119.3  | 122.5 | 129.7  |
| 132.5° | 73.0   | 79.9  | 87.2   | 94.8  | 101.8  | 108.1 | 111.8  | 113.1 | 113.7  | 114.8 | 119.2  |
| 135°   | 69.7   | 76.7  | 84.3   | 92.4  | 99.6   | 105.6 | 109.1  | 108.9 | 108.0  | 107.2 | 108.9  |
| 137.5° | 65.9   | 72.3  | 79.1   | 86.4  | 92.2   | 96.9  | 100.1  | 99.5  | 98.9   | 98.4  | 100.5  |
| 140°   | 61.9   | 67.5  | 73.5   | 79.3  | 84.5   | 88.1  | 90.5   | 90.1  | 89.8   | 89.6  | 92.1   |
| 142.5° | 57.4   | 62.3  | 67.4   | 72.2  | 76.8   | 79.2  | 80.9   | 80.8  | 80.8   | 80.7  | 83.6   |
| 145°   | 52.5   | 56.7  | 60.9   | 64.7  | 68.1   | 70.3  | 71.4   | 71.5  | 71.7   | 71.9  | 75.0   |
| 147.5° | 47.0   | 50.5  | 53.8   | 56.9  | 59.3   | 61.3  | 62.0   | 62.2  | 62.7   | 63.1  | 66.4   |
| 150°   | 40.9   | 43.7  | 46.3   | 48.8  | 50.5   | 52.1  | 52.7   | 53.0  | 53.7   | 54.3  | 57.7   |
| 152.5° | 34.1   | 36.3  | 38.3   | 40.1  | 41.6   | 42.7  | 43.4   | 43.9  | 44.8   | 45.4  | 48.9   |
| 155°   | 26.7   | 28.4  | 29.9   | 31.3  | 32.5   | 33.5  | 34.2   | 34.9  | 35.9   | 36.6  | 40.1   |
| 157.5° | 22.6   | 23.2  | 23.7   | 24.2  | 24.6   | 25.1  | 25.5   | 26.2  | 27.0   | 27.8  | 31.3   |
| 160°   | 20.4   | 20.8  | 21.3   | 21.7  | 22.1   | 22.5  | 22.8   | 23.5  | 24.2   | 24.8  | 28.0   |
| 162.5° | 18.0   | 18.4  | 18.8   | 19.2  | 19.5   | 19.8  | 20.2   | 20.8  | 21.3   | 21.8  | 24.6   |
| 165°   | 15.7   | 16.0  | 16.3   | 16.6  | 16.9   | 17.2  | 17.6   | 18.0  | 18.4   | 18.8  | 21.2   |
| 167.5° | 13.3   | 13.6  | 13.8   | 14.1  | 14.3   | 14.6  | 14.9   | 15.2  | 15.5   | 15.8  | 17.9   |
| 170°   | 10.9   | 11.1  | 11.3   | 11.5  | 11.7   | 12.0  | 12.2   | 12.4  | 12.6   | 12.7  | 14.5   |
| 172.5° | 8.4    | 8.6   | 8.7    | 8.9   | 9.1    | 9.3   | 9.4    | 9.5   | 9.6    | 9.7   | 11.0   |
| 175°   | 6.0    | 6.1   | 6.2    | 6.3   | 6.4    | 6.5   | 6.6    | 6.6   | 6.7    | 6.7   | 7.6    |
| 177.5° | 3.4    | 3.5   | 3.5    | 3.6   | 3.6    | 3.6   | 3.7    | 3.7   | 3.7    | 3.7   | 4.2    |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 277.5° | 280°  | 282.5° | 285°  | 287.5° | 290°  | 292.5° | 295°  | 297.5° | 300°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°     | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   |
| 2.5°   | 4.6   | 5.0    | 5.5   | 5.9    | 6.3   | 6.7    | 7.1   | 7.4    | 7.8   | 8.2    | 8.5   |
| 5°     | 8.5   | 9.3    | 10.2  | 11.0   | 11.8  | 12.6   | 13.3  | 14.1   | 14.8  | 15.5   | 16.2  |
| 7.5°   | 12.3  | 13.6   | 14.8  | 16.0   | 17.2  | 18.4   | 19.6  | 21.0   | 22.4  | 23.7   | 25.0  |
| 10°    | 16.1  | 17.8   | 19.4  | 21.0   | 22.7  | 24.6   | 26.5  | 28.3   | 30.1  | 31.9   | 33.7  |
| 12.5°  | 19.9  | 22.0   | 24.0  | 26.1   | 28.5  | 30.9   | 33.2  | 35.5   | 37.7  | 39.8   | 41.7  |
| 15°    | 23.7  | 26.1   | 28.5  | 31.4   | 34.3  | 37.1   | 39.8  | 42.5   | 45.2  | 47.7   | 50.4  |
| 17.5°  | 27.4  | 30.2   | 33.3  | 36.6   | 39.9  | 43.1   | 46.5  | 49.7   | 52.8  | 55.8   | 58.6  |
| 20°    | 31.1  | 34.2   | 38.0  | 41.7   | 45.4  | 49.4   | 53.3  | 57.0   | 60.6  | 64.0   | 67.3  |
| 22.5°  | 34.7  | 38.4   | 42.6  | 46.7   | 51.2  | 55.7   | 60.2  | 64.4   | 68.6  | 72.6   | 76.4  |
| 25°    | 43.5  | 47.4   | 51.5  | 55.6   | 60.2  | 64.7   | 69.1  | 73.3   | 77.4  | 81.6   | 86.1  |
| 27.5°  | 52.3  | 56.5   | 60.8  | 65.5   | 70.3  | 75.1   | 79.9  | 84.4   | 89.0  | 93.4   | 97.0  |
| 30°    | 61.0  | 65.5   | 70.1  | 75.1   | 80.5  | 85.4   | 90.5  | 95.3   | 100.0 | 104.0  | 107.7 |
| 32.5°  | 69.7  | 74.5   | 79.3  | 84.6   | 89.9  | 95.5   | 100.7 | 105.7  | 110.2 | 114.2  | 116.7 |
| 35°    | 78.4  | 83.2   | 88.3  | 93.7   | 99.6  | 105.8  | 110.6 | 115.6  | 119.9 | 123.2  | 124.2 |
| 37.5°  | 87.1  | 91.9   | 97.2  | 102.8  | 109.1 | 114.9  | 120.1 | 124.8  | 129.5 | 130.4  | 131.2 |
| 40°    | 95.6  | 100.5  | 106.0 | 111.8  | 118.4 | 124.0  | 129.2 | 133.7  | 136.4 | 137.4  | 137.6 |
| 42.5°  | 104.1 | 108.9  | 114.5 | 120.8  | 127.5 | 132.8  | 137.7 | 142.3  | 143.2 | 143.7  | 143.7 |
| 45°    | 112.5 | 117.4  | 122.9 | 129.6  | 136.1 | 141.3  | 146.0 | 149.0  | 149.8 | 149.7  | 149.9 |
| 47.5°  | 125.6 | 133.1  | 140.7 | 148.0  | 152.8 | 155.7  | 157.8 | 156.7  | 155.8 | 155.5  | 156.0 |
| 50°    | 139.3 | 150.2  | 161.2 | 170.5  | 174.8 | 177.1  | 178.4 | 175.8  | 172.4 | 168.9  | 166.0 |
| 52.5°  | 153.4 | 168.0  | 182.2 | 193.4  | 196.5 | 198.2  | 197.8 | 194.5  | 190.1 | 186.4  | 183.7 |
| 55°    | 167.9 | 186.3  | 203.5 | 215.8  | 217.9 | 219.0  | 216.8 | 212.5  | 207.6 | 203.4  | 200.9 |
| 57.5°  | 182.6 | 205.2  | 225.2 | 237.4  | 239.1 | 239.4  | 235.5 | 230.3  | 224.9 | 220.3  | 217.6 |
| 60°    | 197.7 | 224.6  | 247.1 | 258.9  | 259.8 | 259.3  | 254.0 | 247.8  | 241.8 | 237.2  | 235.2 |
| 62.5°  | 212.9 | 244.3  | 269.2 | 280.2  | 280.4 | 278.3  | 272.1 | 265.0  | 258.3 | 253.6  | 252.6 |
| 65°    | 228.4 | 264.3  | 291.6 | 301.3  | 300.7 | 297.1  | 289.9 | 282.1  | 274.5 | 269.7  | 269.5 |
| 67.5°  | 244.0 | 284.7  | 314.0 | 322.3  | 320.8 | 315.8  | 307.6 | 299.0  | 291.1 | 286.1  | 286.2 |
| 70°    | 244.7 | 286.7  | 317.9 | 329.1  | 331.0 | 326.9  | 320.0 | 312.7  | 306.0 | 302.5  | 304.2 |
| 72.5°  | 244.7 | 287.1  | 319.2 | 333.2  | 337.8 | 333.6  | 327.7 | 321.6  | 316.1 | 313.7  | 316.9 |
| 75°    | 244.7 | 287.3  | 320.3 | 337.9  | 344.9 | 340.4  | 335.8 | 331.0  | 326.5 | 324.8  | 328.6 |
| 77.5°  | 244.4 | 287.1  | 321.3 | 343.1  | 352.2 | 347.2  | 344.3 | 340.7  | 337.1 | 335.6  | 340.0 |
| 80°    | 245.2 | 286.7  | 322.2 | 348.5  | 359.8 | 354.2  | 353.0 | 350.7  | 347.9 | 346.4  | 350.9 |
| 82.5°  | 244.1 | 287.2  | 324.2 | 354.2  | 367.5 | 361.3  | 362.0 | 360.9  | 358.9 | 357.1  | 361.6 |
| 85°    | 243.0 | 285.6  | 324.0 | 360.5  | 375.5 | 368.2  | 371.3 | 371.3  | 370.0 | 367.7  | 372.0 |
| 87.5°  | 241.9 | 284.1  | 323.7 | 365.4  | 382.9 | 375.6  | 380.4 | 381.8  | 381.1 | 378.3  | 382.3 |
| 90°    | 240.8 | 282.5  | 323.5 | 370.4  | 390.3 | 383.0  | 389.6 | 392.3  | 392.3 | 389.0  | 392.3 |
| 92.5°  | 241.9 | 284.1  | 323.7 | 365.4  | 382.9 | 375.6  | 380.4 | 381.8  | 381.1 | 378.3  | 382.3 |
| 95°    | 243.0 | 285.6  | 324.0 | 360.5  | 375.5 | 368.2  | 371.3 | 371.3  | 370.0 | 367.7  | 372.0 |
| 97.5°  | 244.1 | 287.2  | 324.2 | 354.2  | 367.5 | 361.3  | 362.0 | 360.9  | 358.9 | 357.1  | 361.6 |
| 100°   | 245.2 | 286.7  | 322.2 | 348.5  | 359.8 | 354.2  | 353.0 | 350.7  | 347.9 | 346.4  | 350.9 |
| 102.5° | 244.4 | 287.1  | 321.3 | 343.1  | 352.2 | 347.2  | 344.3 | 340.7  | 337.1 | 335.6  | 340.0 |
| 105°   | 244.7 | 287.3  | 320.3 | 337.9  | 344.9 | 340.4  | 335.8 | 331.0  | 326.5 | 324.8  | 328.6 |
| 107.5° | 244.7 | 287.1  | 319.2 | 333.2  | 337.8 | 333.6  | 327.7 | 321.6  | 316.1 | 313.7  | 316.9 |
| 110°   | 244.7 | 286.7  | 317.9 | 329.1  | 331.0 | 326.9  | 320.0 | 312.7  | 306.0 | 302.5  | 304.2 |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 277.5° | 280°  | 282.5° | 285°  | 287.5° | 290°  | 292.5° | 295°  | 297.5° | 300°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 244.0 | 284.7  | 314.0 | 322.3  | 320.8 | 315.8  | 307.6 | 299.0  | 291.1 | 286.1  | 286.2 |
| 115°   | 228.4 | 264.3  | 291.6 | 301.3  | 300.7 | 297.1  | 289.9 | 282.1  | 274.5 | 269.7  | 269.5 |
| 117.5° | 212.9 | 244.3  | 269.2 | 280.2  | 280.4 | 278.3  | 272.1 | 265.0  | 258.3 | 253.6  | 252.6 |
| 120°   | 197.7 | 224.6  | 247.1 | 258.9  | 259.8 | 259.3  | 254.0 | 247.8  | 241.8 | 237.2  | 235.2 |
| 122.5° | 182.6 | 205.2  | 225.2 | 237.4  | 239.1 | 239.4  | 235.5 | 230.3  | 224.9 | 220.3  | 217.6 |
| 125°   | 167.9 | 186.3  | 203.5 | 215.8  | 217.9 | 219.0  | 216.8 | 212.5  | 207.6 | 203.4  | 200.9 |
| 127.5° | 153.4 | 168.0  | 182.2 | 193.4  | 196.5 | 198.2  | 197.8 | 194.5  | 190.1 | 186.4  | 183.7 |
| 130°   | 139.3 | 150.2  | 161.2 | 170.5  | 174.8 | 177.1  | 178.4 | 175.8  | 172.4 | 168.9  | 166.0 |
| 132.5° | 125.6 | 133.1  | 140.7 | 148.0  | 152.8 | 155.7  | 157.8 | 156.7  | 155.8 | 155.5  | 156.0 |
| 135°   | 112.5 | 117.4  | 122.9 | 129.6  | 136.1 | 141.3  | 146.0 | 149.0  | 149.8 | 149.7  | 149.9 |
| 137.5° | 104.1 | 108.9  | 114.5 | 120.8  | 127.5 | 132.8  | 137.7 | 142.3  | 143.2 | 143.7  | 143.7 |
| 140°   | 95.6  | 100.5  | 106.0 | 111.8  | 118.4 | 124.0  | 129.2 | 133.7  | 136.4 | 137.4  | 137.6 |
| 142.5° | 87.1  | 91.9   | 97.2  | 102.8  | 109.1 | 114.9  | 120.1 | 124.8  | 129.5 | 130.4  | 131.2 |
| 145°   | 78.4  | 83.2   | 88.3  | 93.7   | 99.6  | 105.8  | 110.6 | 115.6  | 119.9 | 123.2  | 124.2 |
| 147.5° | 69.7  | 74.5   | 79.3  | 84.6   | 89.9  | 95.5   | 100.7 | 105.7  | 110.2 | 114.2  | 116.7 |
| 150°   | 61.0  | 65.5   | 70.1  | 75.1   | 80.5  | 85.4   | 90.5  | 95.3   | 100.0 | 104.0  | 107.7 |
| 152.5° | 52.3  | 56.5   | 60.8  | 65.5   | 70.3  | 75.1   | 79.9  | 84.4   | 89.0  | 93.4   | 97.0  |
| 155°   | 43.5  | 47.4   | 51.5  | 55.6   | 60.2  | 64.7   | 69.1  | 73.3   | 77.4  | 81.6   | 86.1  |
| 157.5° | 34.7  | 38.4   | 42.6  | 46.7   | 51.2  | 55.7   | 60.2  | 64.4   | 68.6  | 72.6   | 76.4  |
| 160°   | 31.1  | 34.2   | 38.0  | 41.7   | 45.4  | 49.4   | 53.3  | 57.0   | 60.6  | 64.0   | 67.3  |
| 162.5° | 27.4  | 30.2   | 33.3  | 36.6   | 39.9  | 43.1   | 46.5  | 49.7   | 52.8  | 55.8   | 58.6  |
| 165°   | 23.7  | 26.1   | 28.5  | 31.4   | 34.3  | 37.1   | 39.8  | 42.5   | 45.2  | 47.7   | 50.4  |
| 167.5° | 19.9  | 22.0   | 24.0  | 26.1   | 28.5  | 30.9   | 33.2  | 35.5   | 37.7  | 39.8   | 41.7  |
| 170°   | 16.1  | 17.8   | 19.4  | 21.0   | 22.7  | 24.6   | 26.5  | 28.3   | 30.1  | 31.9   | 33.7  |
| 172.5° | 12.3  | 13.6   | 14.8  | 16.0   | 17.2  | 18.4   | 19.6  | 21.0   | 22.4  | 23.7   | 25.0  |
| 175°   | 8.5   | 9.3    | 10.2  | 11.0   | 11.8  | 12.6   | 13.3  | 14.1   | 14.8  | 15.5   | 16.2  |
| 177.5° | 4.6   | 5.0    | 5.5   | 5.9    | 6.3   | 6.7    | 7.1   | 7.4    | 7.8   | 8.2    | 8.5   |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 302.5° | 305°  | 307.5° | 310°  | 312.5° | 315°  | 317.5° | 320°  | 322.5° | 325°  | 327.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0°     | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    | 0.7   | 0.7    |
| 2.5°   | 8.8    | 9.1   | 9.4    | 9.7   | 9.9    | 10.2  | 10.4   | 10.6  | 10.8   | 11.0  | 11.1   |
| 5°     | 17.0   | 17.8  | 18.6   | 19.3  | 20.0   | 20.6  | 21.2   | 21.8  | 22.3   | 22.8  | 23.2   |
| 7.5°   | 26.2   | 27.4  | 28.5   | 29.6  | 30.6   | 31.5  | 32.2   | 32.9  | 33.5   | 34.1  | 34.6   |
| 10°    | 35.1   | 36.5  | 37.8   | 39.1  | 40.3   | 41.4  | 42.4   | 43.3  | 44.1   | 44.8  | 45.4   |
| 12.5°  | 43.6   | 45.4  | 47.1   | 48.7  | 50.1   | 51.4  | 52.6   | 53.7  | 54.6   | 55.4  | 55.9   |
| 15°    | 52.4   | 54.5  | 56.5   | 58.3  | 60.0   | 61.4  | 62.7   | 63.7  | 64.6   | 65.4  | 66.0   |
| 17.5°  | 61.3   | 64.1  | 66.0   | 68.1  | 69.9   | 71.6  | 73.1   | 74.5  | 75.6   | 76.7  | 77.5   |
| 20°    | 70.4   | 73.3  | 76.0   | 78.4  | 80.5   | 82.4  | 84.2   | 85.6  | 86.7   | 87.7  | 88.7   |
| 22.5°  | 80.1   | 83.4  | 86.2   | 88.8  | 91.3   | 92.5  | 93.8   | 95.1  | 96.3   | 97.6  | 98.9   |
| 25°    | 89.9   | 93.2  | 96.8   | 97.9  | 99.3   | 100.7 | 101.9  | 103.2 | 104.7  | 106.3 | 108.2  |
| 27.5°  | 100.4  | 102.7 | 103.6  | 104.9 | 106.0  | 107.2 | 108.7  | 110.3 | 112.3  | 114.4 | 117.2  |
| 30°    | 109.9  | 110.8 | 111.5  | 111.7 | 111.8  | 112.6 | 114.5  | 116.6 | 120.2  | 123.8 | 127.7  |
| 32.5°  | 117.7  | 118.3 | 118.5  | 118.8 | 119.5  | 120.1 | 122.1  | 124.7 | 129.1  | 134.7 | 140.3  |
| 35°    | 124.9  | 125.1 | 125.5  | 126.2 | 127.4  | 130.0 | 132.5  | 136.9 | 141.1  | 147.8 | 156.6  |
| 37.5°  | 131.4  | 131.8 | 132.6  | 134.2 | 136.9  | 140.5 | 145.3  | 150.9 | 158.7  | 167.0 | 176.8  |
| 40°    | 137.7  | 138.6 | 140.1  | 142.9 | 147.0  | 152.2 | 159.7  | 168.3 | 179.2  | 191.4 | 204.5  |
| 42.5°  | 144.3  | 145.5 | 148.2  | 152.4 | 157.8  | 166.4 | 175.8  | 189.4 | 204.1  | 220.6 | 237.9  |
| 45°    | 150.6  | 153.0 | 156.7  | 162.3 | 171.1  | 181.2 | 196.5  | 212.6 | 232.1  | 252.1 | 273.4  |
| 47.5°  | 157.5  | 160.1 | 165.8  | 173.9 | 184.6  | 200.6 | 218.3  | 239.3 | 261.9  | 285.3 | 311.3  |
| 50°    | 164.8  | 168.5 | 175.2  | 186.3 | 201.9  | 220.1 | 242.4  | 266.7 | 293.4  | 321.7 | 351.6  |
| 52.5°  | 182.5  | 184.4 | 190.5  | 200.5 | 219.7  | 241.7 | 266.9  | 295.3 | 326.1  | 359.5 | 395.6  |
| 55°    | 201.0  | 204.3 | 212.4  | 225.6 | 242.8  | 263.6 | 291.4  | 324.6 | 360.4  | 399.2 | 437.0  |
| 57.5°  | 218.9  | 224.9 | 235.3  | 250.0 | 268.4  | 292.7 | 321.6  | 354.9 | 395.7  | 435.1 | 475.2  |
| 60°    | 237.1  | 244.8 | 257.7  | 273.5 | 294.0  | 320.1 | 352.4  | 390.3 | 428.7  | 467.2 | 512.3  |
| 62.5°  | 256.5  | 265.5 | 278.8  | 294.4 | 318.1  | 347.4 | 382.2  | 421.1 | 459.2  | 501.6 | 546.0  |
| 65°    | 275.2  | 285.7 | 298.6  | 315.5 | 340.6  | 371.5 | 409.1  | 447.3 | 487.6  | 531.3 | 577.0  |
| 67.5°  | 293.4  | 304.6 | 316.3  | 335.6 | 362.3  | 394.7 | 432.1  | 470.2 | 511.8  | 556.5 | 609.6  |
| 70°    | 311.6  | 322.4 | 332.0  | 353.8 | 381.2  | 415.0 | 451.7  | 490.2 | 531.9  | 579.1 | 640.0  |
| 72.5°  | 326.0  | 337.0 | 348.6  | 370.6 | 397.9  | 433.4 | 468.3  | 506.0 | 548.2  | 601.4 | 665.4  |
| 75°    | 338.5  | 349.7 | 363.2  | 384.0 | 411.2  | 444.7 | 480.8  | 518.1 | 560.4  | 618.8 | 686.1  |
| 77.5°  | 350.7  | 362.2 | 375.9  | 395.0 | 421.2  | 453.2 | 487.6  | 525.7 | 573.5  | 634.3 | 702.9  |
| 80°    | 362.6  | 374.6 | 387.0  | 403.9 | 428.9  | 458.9 | 491.8  | 530.6 | 583.4  | 649.2 | 725.1  |
| 82.5°  | 374.2  | 386.8 | 396.8  | 411.1 | 434.6  | 462.3 | 493.6  | 532.9 | 590.3  | 661.3 | 741.3  |
| 85°    | 385.5  | 398.7 | 405.6  | 416.9 | 438.5  | 463.6 | 493.3  | 532.9 | 593.9  | 669.8 | 751.5  |
| 87.5°  | 396.5  | 410.5 | 413.7  | 421.9 | 441.4  | 463.8 | 491.9  | 531.5 | 595.9  | 676.8 | 758.5  |
| 90°    | 406.8  | 421.4 | 421.4  | 426.0 | 442.5  | 461.7 | 487.5  | 525.9 | 590.7  | 674.1 | 754.1  |
| 92.5°  | 396.5  | 410.5 | 413.7  | 421.9 | 441.4  | 463.8 | 491.9  | 531.5 | 595.9  | 676.8 | 758.5  |
| 95°    | 385.5  | 398.7 | 405.6  | 416.9 | 438.5  | 463.6 | 493.3  | 532.9 | 593.9  | 669.8 | 751.5  |
| 97.5°  | 374.2  | 386.8 | 396.8  | 411.1 | 434.6  | 462.3 | 493.6  | 532.9 | 590.3  | 661.3 | 741.3  |
| 100°   | 362.6  | 374.6 | 387.0  | 403.9 | 428.9  | 458.9 | 491.8  | 530.6 | 583.4  | 649.2 | 725.1  |
| 102.5° | 350.7  | 362.2 | 375.9  | 395.0 | 421.2  | 453.2 | 487.6  | 525.7 | 573.5  | 634.3 | 702.9  |
| 105°   | 338.5  | 349.7 | 363.2  | 384.0 | 411.2  | 444.7 | 480.8  | 518.1 | 560.4  | 618.8 | 686.1  |
| 107.5° | 326.0  | 337.0 | 348.6  | 370.6 | 397.9  | 433.4 | 468.3  | 506.0 | 548.2  | 601.4 | 665.4  |
| 110°   | 311.6  | 322.4 | 332.0  | 353.8 | 381.2  | 415.0 | 451.7  | 490.2 | 531.9  | 579.1 | 640.0  |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 302.5° | 305°  | 307.5° | 310°  | 312.5° | 315°  | 317.5° | 320°  | 322.5° | 325°  | 327.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 112.5° | 293.4  | 304.6 | 316.3  | 335.6 | 362.3  | 394.7 | 432.1  | 470.2 | 511.8  | 556.5 | 609.6  |
| 115°   | 275.2  | 285.7 | 298.6  | 315.5 | 340.6  | 371.5 | 409.1  | 447.3 | 487.6  | 531.3 | 577.0  |
| 117.5° | 256.5  | 265.5 | 278.8  | 294.4 | 318.1  | 347.4 | 382.2  | 421.1 | 459.2  | 501.6 | 546.0  |
| 120°   | 237.1  | 244.8 | 257.7  | 273.5 | 294.0  | 320.1 | 352.4  | 390.3 | 428.7  | 467.2 | 512.3  |
| 122.5° | 218.9  | 224.9 | 235.3  | 250.0 | 268.4  | 292.7 | 321.6  | 354.9 | 395.7  | 435.1 | 475.2  |
| 125°   | 201.0  | 204.3 | 212.4  | 225.6 | 242.8  | 263.6 | 291.4  | 324.6 | 360.4  | 399.2 | 437.0  |
| 127.5° | 182.5  | 184.4 | 190.5  | 200.5 | 219.7  | 241.7 | 266.9  | 295.3 | 326.1  | 359.5 | 395.6  |
| 130°   | 164.8  | 168.5 | 175.2  | 186.3 | 201.9  | 220.1 | 242.4  | 266.7 | 293.4  | 321.7 | 351.6  |
| 132.5° | 157.5  | 160.1 | 165.8  | 173.9 | 184.6  | 200.6 | 218.3  | 239.3 | 261.9  | 285.3 | 311.3  |
| 135°   | 150.6  | 153.0 | 156.7  | 162.3 | 171.1  | 181.2 | 196.5  | 212.6 | 232.1  | 252.1 | 273.4  |
| 137.5° | 144.3  | 145.5 | 148.2  | 152.4 | 157.8  | 166.4 | 175.8  | 189.4 | 204.1  | 220.6 | 237.9  |
| 140°   | 137.7  | 138.6 | 140.1  | 142.9 | 147.0  | 152.2 | 159.7  | 168.3 | 179.2  | 191.4 | 204.5  |
| 142.5° | 131.4  | 131.8 | 132.6  | 134.2 | 136.9  | 140.5 | 145.3  | 150.9 | 158.7  | 167.0 | 176.8  |
| 145°   | 124.9  | 125.1 | 125.5  | 126.2 | 127.4  | 130.0 | 132.5  | 136.9 | 141.1  | 147.8 | 156.6  |
| 147.5° | 117.7  | 118.3 | 118.5  | 118.8 | 119.5  | 120.1 | 122.1  | 124.7 | 129.1  | 134.7 | 140.3  |
| 150°   | 109.9  | 110.8 | 111.5  | 111.7 | 111.8  | 112.6 | 114.5  | 116.6 | 120.2  | 123.8 | 127.7  |
| 152.5° | 100.4  | 102.7 | 103.6  | 104.9 | 106.0  | 107.2 | 108.7  | 110.3 | 112.3  | 114.4 | 117.2  |
| 155°   | 89.9   | 93.2  | 96.8   | 97.9  | 99.3   | 100.7 | 101.9  | 103.2 | 104.7  | 106.3 | 108.2  |
| 157.5° | 80.1   | 83.4  | 86.2   | 88.8  | 91.3   | 92.5  | 93.8   | 95.1  | 96.3   | 97.6  | 98.9   |
| 160°   | 70.4   | 73.3  | 76.0   | 78.4  | 80.5   | 82.4  | 84.2   | 85.6  | 86.7   | 87.7  | 88.7   |
| 162.5° | 61.3   | 64.1  | 66.0   | 68.1  | 69.9   | 71.6  | 73.1   | 74.5  | 75.6   | 76.7  | 77.5   |
| 165°   | 52.4   | 54.5  | 56.5   | 58.3  | 60.0   | 61.4  | 62.7   | 63.7  | 64.6   | 65.4  | 66.0   |
| 167.5° | 43.6   | 45.4  | 47.1   | 48.7  | 50.1   | 51.4  | 52.6   | 53.7  | 54.6   | 55.4  | 55.9   |
| 170°   | 35.1   | 36.5  | 37.8   | 39.1  | 40.3   | 41.4  | 42.4   | 43.3  | 44.1   | 44.8  | 45.4   |
| 172.5° | 26.2   | 27.4  | 28.5   | 29.6  | 30.6   | 31.5  | 32.2   | 32.9  | 33.5   | 34.1  | 34.6   |
| 175°   | 17.0   | 17.8  | 18.6   | 19.3  | 20.0   | 20.6  | 21.2   | 21.8  | 22.3   | 22.8  | 23.2   |
| 177.5° | 8.8    | 9.1   | 9.4    | 9.7   | 9.9    | 10.2  | 10.4   | 10.6  | 10.8   | 11.0  | 11.1   |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 332.5° | 335°   | 337.5° | 340°   | 342.5° | 345°   | 347.5° | 350°   | 352.5° | 355°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 0.7   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 2.5°   | 11.2  | 11.3   | 11.4   | 11.5   | 11.6   | 11.6   | 11.9   | 11.8   | 11.7   | 11.6   | 11.5   |
| 5°     | 23.6  | 24.0   | 24.3   | 24.5   | 24.7   | 24.9   | 25.0   | 25.0   | 25.4   | 25.2   | 25.0   |
| 7.5°   | 35.1  | 35.4   | 35.7   | 36.0   | 36.1   | 36.2   | 36.3   | 36.2   | 36.1   | 36.3   | 35.9   |
| 10°    | 45.9  | 46.3   | 46.6   | 46.9   | 47.0   | 47.1   | 47.0   | 46.9   | 46.7   | 46.7   | 46.2   |
| 12.5°  | 56.3  | 56.6   | 56.7   | 56.8   | 56.7   | 56.5   | 56.2   | 55.8   | 55.2   | 54.6   | 54.1   |
| 15°    | 66.6  | 67.1   | 67.4   | 67.5   | 67.6   | 67.5   | 67.2   | 66.8   | 66.3   | 65.6   | 65.0   |
| 17.5°  | 78.2  | 78.8   | 79.3   | 79.7   | 80.0   | 80.2   | 80.3   | 80.2   | 80.0   | 79.6   | 79.4   |
| 20°    | 89.6  | 90.5   | 91.4   | 92.2   | 92.9   | 93.6   | 94.1   | 94.6   | 94.8   | 94.9   | 95.3   |
| 22.5°  | 100.2 | 101.5  | 102.9  | 104.3  | 105.6  | 106.8  | 107.9  | 108.8  | 109.6  | 110.2  | 111.1  |
| 25°    | 110.1 | 112.0  | 113.9  | 116.2  | 118.4  | 120.4  | 122.2  | 123.8  | 125.1  | 126.2  | 127.0  |
| 27.5°  | 120.3 | 123.3  | 126.3  | 129.5  | 133.0  | 136.2  | 139.1  | 141.6  | 143.9  | 145.7  | 147.2  |
| 30°    | 132.1 | 136.8  | 141.3  | 145.7  | 151.2  | 156.4  | 161.0  | 165.2  | 168.9  | 171.9  | 174.4  |
| 32.5°  | 146.4 | 153.8  | 160.9  | 167.7  | 175.4  | 183.5  | 190.9  | 197.6  | 203.5  | 208.5  | 212.5  |
| 35°    | 165.1 | 175.6  | 186.6  | 197.0  | 207.3  | 218.2  | 228.0  | 236.6  | 244.1  | 250.3  | 255.3  |
| 37.5°  | 189.7 | 202.9  | 218.0  | 232.2  | 245.2  | 258.2  | 270.2  | 280.7  | 289.9  | 297.5  | 303.6  |
| 40°    | 219.8 | 236.7  | 254.5  | 271.5  | 287.4  | 302.5  | 316.6  | 328.7  | 338.9  | 347.1  | 353.5  |
| 42.5°  | 256.3 | 274.3  | 294.2  | 315.0  | 333.9  | 351.3  | 368.6  | 383.5  | 395.8  | 405.7  | 412.9  |
| 45°    | 294.7 | 317.8  | 339.6  | 364.7  | 388.3  | 411.7  | 429.4  | 446.9  | 461.6  | 473.3  | 482.0  |
| 47.5°  | 337.4 | 365.6  | 393.7  | 421.3  | 448.8  | 473.5  | 497.1  | 519.6  | 539.4  | 556.4  | 569.9  |
| 50°    | 384.5 | 416.6  | 449.0  | 480.8  | 512.9  | 542.8  | 572.1  | 601.1  | 626.5  | 647.9  | 665.1  |
| 52.5°  | 431.2 | 466.7  | 503.7  | 540.4  | 579.5  | 618.7  | 654.6  | 692.6  | 725.5  | 752.9  | 774.5  |
| 55°    | 475.2 | 516.2  | 558.1  | 603.2  | 651.2  | 705.3  | 753.3  | 793.7  | 827.2  | 853.8  | 873.6  |
| 57.5°  | 518.7 | 564.2  | 612.2  | 669.8  | 733.0  | 791.5  | 849.8  | 888.4  | 916.2  | 936.6  | 950.1  |
| 60°    | 559.0 | 609.2  | 670.1  | 735.6  | 804.1  | 868.4  | 926.9  | 967.5  | 985.5  | 999.8  | 1009.9 |
| 62.5°  | 594.3 | 654.9  | 724.1  | 797.3  | 867.7  | 932.1  | 980.8  | 1020.7 | 1034.5 | 1044.8 | 1051.5 |
| 65°    | 632.9 | 697.2  | 773.7  | 851.5  | 922.4  | 982.0  | 1024.6 | 1055.3 | 1072.8 | 1083.7 | 1092.0 |
| 67.5°  | 671.8 | 742.8  | 820.6  | 901.9  | 974.3  | 1028.3 | 1065.7 | 1090.5 | 1106.4 | 1116.6 | 1124.4 |
| 70°    | 708.0 | 786.6  | 869.9  | 953.3  | 1024.2 | 1070.4 | 1102.1 | 1118.3 | 1132.5 | 1143.4 | 1151.6 |
| 72.5°  | 739.9 | 824.2  | 913.9  | 995.2  | 1062.0 | 1104.5 | 1123.6 | 1139.7 | 1155.1 | 1167.9 | 1175.0 |
| 75°    | 767.4 | 857.8  | 947.0  | 1029.0 | 1094.9 | 1123.4 | 1140.5 | 1157.9 | 1175.2 | 1188.3 | 1195.6 |
| 77.5°  | 788.7 | 884.4  | 973.2  | 1062.1 | 1114.9 | 1141.9 | 1158.4 | 1174.7 | 1187.9 | 1200.2 | 1209.0 |
| 80°    | 812.2 | 903.9  | 997.1  | 1089.1 | 1137.1 | 1159.8 | 1173.9 | 1185.7 | 1195.4 | 1207.7 | 1219.0 |
| 82.5°  | 831.2 | 923.0  | 1022.3 | 1104.7 | 1149.5 | 1170.5 | 1183.7 | 1195.4 | 1205.9 | 1214.3 | 1226.2 |
| 85°    | 842.5 | 934.8  | 1037.3 | 1117.0 | 1155.3 | 1174.5 | 1189.4 | 1202.8 | 1213.4 | 1222.3 | 1228.7 |
| 87.5°  | 849.6 | 939.0  | 1042.0 | 1125.1 | 1158.2 | 1176.0 | 1191.6 | 1204.4 | 1215.4 | 1227.2 | 1233.8 |
| 90°    | 842.7 | 935.4  | 1036.6 | 1126.5 | 1157.6 | 1175.5 | 1191.4 | 1203.3 | 1212.5 | 1225.8 | 1231.0 |
| 92.5°  | 849.6 | 939.0  | 1042.0 | 1125.1 | 1158.2 | 1176.0 | 1191.6 | 1204.4 | 1215.4 | 1227.2 | 1233.8 |
| 95°    | 842.5 | 934.8  | 1037.3 | 1117.0 | 1155.3 | 1174.5 | 1189.4 | 1202.8 | 1213.4 | 1222.3 | 1228.7 |
| 97.5°  | 831.2 | 923.0  | 1022.3 | 1104.7 | 1149.5 | 1170.5 | 1183.7 | 1195.4 | 1205.9 | 1214.3 | 1226.2 |
| 100°   | 812.2 | 903.9  | 997.1  | 1089.1 | 1137.1 | 1159.8 | 1173.9 | 1185.7 | 1195.4 | 1207.7 | 1219.0 |
| 102.5° | 788.7 | 884.4  | 973.2  | 1062.1 | 1114.9 | 1141.9 | 1158.4 | 1174.7 | 1187.9 | 1200.2 | 1209.0 |
| 105°   | 767.4 | 857.8  | 947.0  | 1029.0 | 1094.9 | 1123.4 | 1140.5 | 1157.9 | 1175.2 | 1188.3 | 1195.6 |
| 107.5° | 739.9 | 824.2  | 913.9  | 995.2  | 1062.0 | 1104.5 | 1123.6 | 1139.7 | 1155.1 | 1167.9 | 1175.0 |
| 110°   | 708.0 | 786.6  | 869.9  | 953.3  | 1024.2 | 1070.4 | 1102.1 | 1118.3 | 1132.5 | 1143.4 | 1151.6 |



TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 332.5° | 335°  | 337.5° | 340°  | 342.5° | 345°   | 347.5° | 350°   | 352.5° | 355°   |
|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 671.8 | 742.8  | 820.6 | 901.9  | 974.3 | 1028.3 | 1065.7 | 1090.5 | 1106.4 | 1116.6 | 1124.4 |
| 115°   | 632.9 | 697.2  | 773.7 | 851.5  | 922.4 | 982.0  | 1024.6 | 1055.3 | 1072.8 | 1083.7 | 1092.0 |
| 117.5° | 594.3 | 654.9  | 724.1 | 797.3  | 867.7 | 932.1  | 980.8  | 1020.7 | 1034.5 | 1044.8 | 1051.5 |
| 120°   | 559.0 | 609.2  | 670.1 | 735.6  | 804.1 | 868.4  | 926.9  | 967.5  | 985.5  | 999.8  | 1009.9 |
| 122.5° | 518.7 | 564.2  | 612.1 | 669.8  | 733.0 | 791.5  | 849.8  | 888.4  | 916.2  | 936.6  | 950.1  |
| 125°   | 475.2 | 516.2  | 558.1 | 603.2  | 651.2 | 705.3  | 753.3  | 793.7  | 827.2  | 853.8  | 873.6  |
| 127.5° | 431.2 | 466.7  | 503.7 | 540.4  | 579.5 | 618.7  | 654.6  | 692.6  | 725.5  | 752.9  | 774.5  |
| 130°   | 384.5 | 416.6  | 449.0 | 480.8  | 512.9 | 542.8  | 572.1  | 601.1  | 626.5  | 647.9  | 665.1  |
| 132.5° | 337.4 | 365.6  | 393.7 | 421.3  | 448.8 | 473.5  | 497.1  | 519.6  | 539.4  | 556.4  | 569.9  |
| 135°   | 294.7 | 317.8  | 339.6 | 364.7  | 388.3 | 411.7  | 429.4  | 446.9  | 461.6  | 473.3  | 482.0  |
| 137.5° | 256.3 | 274.3  | 294.2 | 315.0  | 333.9 | 351.3  | 368.6  | 383.5  | 395.8  | 405.7  | 412.9  |
| 140°   | 219.8 | 236.7  | 254.5 | 271.5  | 287.4 | 302.5  | 316.6  | 328.7  | 338.9  | 347.1  | 353.5  |
| 142.5° | 189.7 | 202.9  | 218.0 | 232.2  | 245.2 | 258.2  | 270.2  | 280.7  | 289.9  | 297.5  | 303.6  |
| 145°   | 165.1 | 175.6  | 186.6 | 197.0  | 207.3 | 218.2  | 228.0  | 236.6  | 244.1  | 250.3  | 255.3  |
| 147.5° | 146.4 | 153.8  | 160.9 | 167.7  | 175.4 | 183.5  | 190.9  | 197.6  | 203.5  | 208.5  | 212.5  |
| 150°   | 132.1 | 136.8  | 141.3 | 145.7  | 151.2 | 156.4  | 161.0  | 165.2  | 168.9  | 171.9  | 174.4  |
| 152.5° | 120.3 | 123.3  | 126.3 | 129.5  | 133.0 | 136.2  | 139.1  | 141.6  | 143.9  | 145.7  | 147.2  |
| 155°   | 110.1 | 112.0  | 113.9 | 116.2  | 118.4 | 120.4  | 122.2  | 123.8  | 125.1  | 126.2  | 127.0  |
| 157.5° | 100.2 | 101.5  | 102.9 | 104.3  | 105.6 | 106.8  | 107.9  | 108.8  | 109.6  | 110.2  | 111.1  |
| 160°   | 89.6  | 90.5   | 91.4  | 92.2   | 92.9  | 93.6   | 94.1   | 94.6   | 94.8   | 94.9   | 95.3   |
| 162.5° | 78.2  | 78.8   | 79.3  | 79.7   | 80.0  | 80.2   | 80.3   | 80.2   | 80.0   | 79.6   | 79.4   |
| 165°   | 66.6  | 67.1   | 67.4  | 67.5   | 67.6  | 67.5   | 67.2   | 66.8   | 66.3   | 65.6   | 65.0   |
| 167.5° | 56.3  | 56.6   | 56.7  | 56.8   | 56.7  | 56.5   | 56.2   | 55.8   | 55.2   | 54.6   | 54.1   |
| 170°   | 45.9  | 46.3   | 46.6  | 46.9   | 47.0  | 47.1   | 47.0   | 46.9   | 46.7   | 46.7   | 46.2   |
| 172.5° | 35.1  | 35.4   | 35.7  | 36.0   | 36.1  | 36.2   | 36.3   | 36.2   | 36.1   | 36.3   | 35.9   |
| 175°   | 23.6  | 24.0   | 24.3  | 24.5   | 24.7  | 24.9   | 25.0   | 25.0   | 25.4   | 25.2   | 25.0   |
| 177.5° | 11.2  | 11.3   | 11.4  | 11.5   | 11.6  | 11.6   | 11.9   | 11.8   | 11.7   | 11.6   | 11.5   |
| 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: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360°   |
|--------|--------|--------|
| 0°     | 0.7    | 0.7    |
| 2.5°   | 11.3   | 11.2   |
| 5°     | 24.7   | 24.5   |
| 7.5°   | 35.5   | 35.1   |
| 10°    | 45.6   | 45.0   |
| 12.5°  | 53.2   | 52.3   |
| 15°    | 63.9   | 62.8   |
| 17.5°  | 78.4   | 77.4   |
| 20°    | 94.6   | 93.9   |
| 22.5°  | 110.8  | 110.5  |
| 25°    | 127.7  | 127.7  |
| 27.5°  | 148.5  | 148.8  |
| 30°    | 176.5  | 177.3  |
| 32.5°  | 216.1  | 217.6  |
| 35°    | 259.6  | 261.3  |
| 37.5°  | 308.9  | 310.9  |
| 40°    | 358.8  | 360.5  |
| 42.5°  | 419.0  | 420.1  |
| 45°    | 489.2  | 490.2  |
| 47.5°  | 582.0  | 585.4  |
| 50°    | 680.2  | 685.3  |
| 52.5°  | 793.2  | 799.1  |
| 55°    | 889.8  | 893.7  |
| 57.5°  | 959.8  | 959.2  |
| 60°    | 1018.0 | 1017.4 |
| 62.5°  | 1054.6 | 1054.4 |
| 65°    | 1097.2 | 1098.7 |
| 67.5°  | 1129.3 | 1131.2 |
| 70°    | 1157.1 | 1159.6 |
| 72.5°  | 1177.1 | 1175.5 |
| 75°    | 1198.5 | 1198.6 |
| 77.5°  | 1215.9 | 1222.4 |
| 80°    | 1229.2 | 1236.3 |
| 82.5°  | 1236.4 | 1246.9 |
| 85°    | 1239.6 | 1252.2 |
| 87.5°  | 1235.8 | 1256.2 |
| 90°    | 1237.0 | 1249.6 |
| 92.5°  | 1235.8 | 1256.2 |
| 95°    | 1239.6 | 1252.2 |
| 97.5°  | 1236.4 | 1246.9 |
| 100°   | 1229.2 | 1236.3 |
| 102.5° | 1215.9 | 1222.4 |
| 105°   | 1198.5 | 1198.6 |
| 107.5° | 1177.1 | 1175.5 |
| 110°   | 1157.1 | 1159.6 |





TEST NUMBER: P231947

CATALOG NUMBER: FVS4WM-4-LD4-50-1LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360°   |
|--------|--------|--------|
| 112.5° | 1129.3 | 1131.2 |
| 115°   | 1097.2 | 1098.7 |
| 117.5° | 1054.6 | 1054.4 |
| 120°   | 1018.0 | 1017.4 |
| 122.5° | 959.8  | 959.2  |
| 125°   | 889.8  | 893.7  |
| 127.5° | 793.2  | 799.1  |
| 130°   | 680.2  | 685.3  |
| 132.5° | 582.0  | 585.4  |
| 135°   | 489.2  | 490.2  |
| 137.5° | 419.0  | 420.1  |
| 140°   | 358.8  | 360.5  |
| 142.5° | 308.9  | 310.9  |
| 145°   | 259.6  | 261.3  |
| 147.5° | 216.1  | 217.6  |
| 150°   | 176.5  | 177.3  |
| 152.5° | 148.5  | 148.8  |
| 155°   | 127.7  | 127.7  |
| 157.5° | 110.8  | 110.5  |
| 160°   | 94.6   | 93.9   |
| 162.5° | 78.4   | 77.4   |
| 165°   | 63.9   | 62.8   |
| 167.5° | 53.2   | 52.3   |
| 170°   | 45.6   | 45.0   |
| 172.5° | 35.5   | 35.1   |
| 175°   | 24.7   | 24.5   |
| 177.5° | 11.3   | 11.2   |
| 180°   | 0.0    | 0.0    |

(END OF REPORT)