

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: P232044

Luminaire Tested: **FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232044  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-25)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 1-MODULE LED WITH PA187 LENS  
Light Source: (84) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

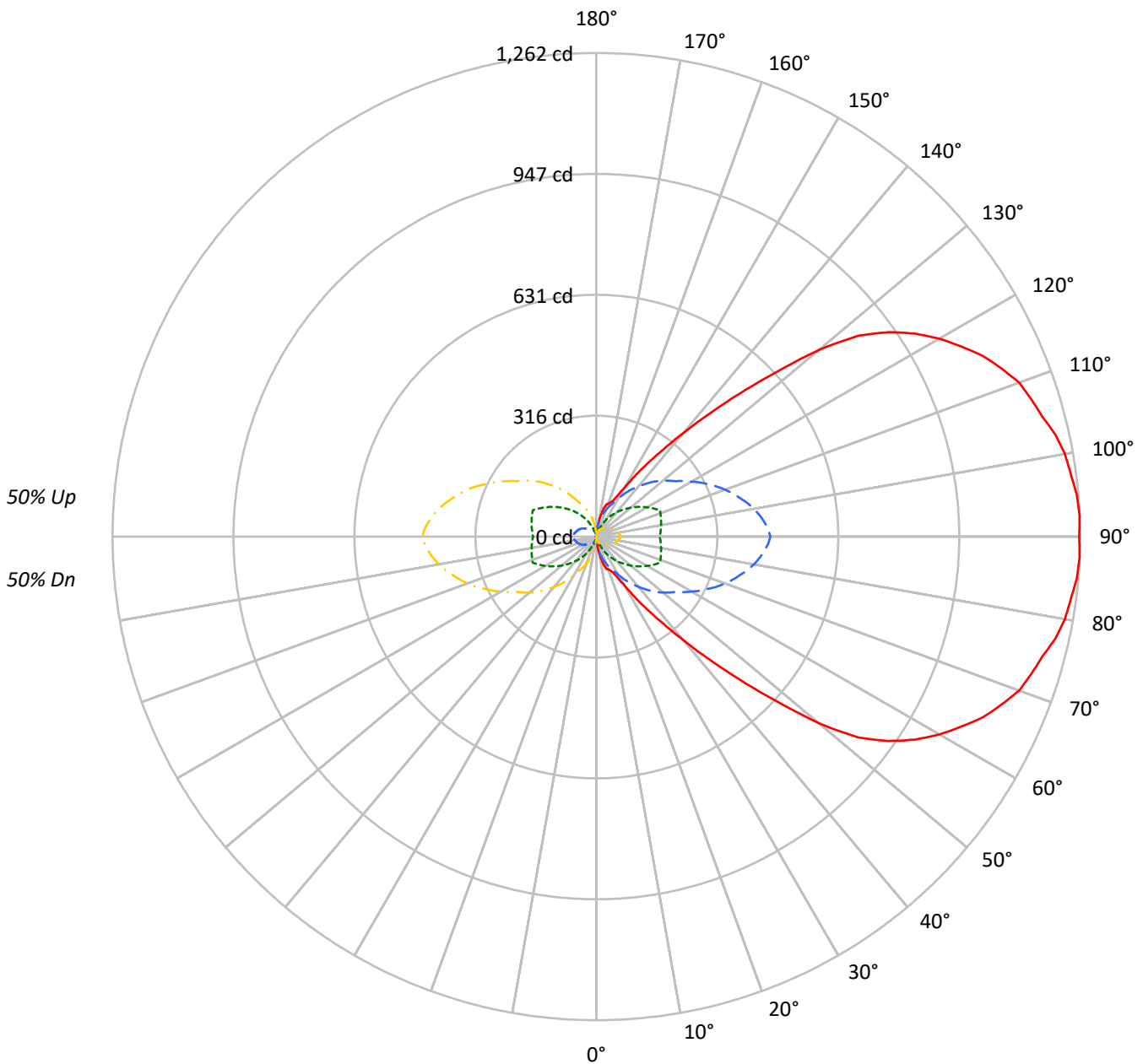
Lumens per Lamp: N/A  
Luminaire Lumens: 2897.7 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 28.5  
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	52	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	58	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	33	58	46	37	30	37	29	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	11	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

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

	0°	90°	180°	270°
0°	0	0	0	0
5°	343	108	0	108
10°	715	216	0	216
15°	1102	327	0	327
20°	1185	444	0	444
25°	1267	683	0	683
30°	1708	1064	0	1064
35°	2574	1484	0	1484
40°	3776	1957	0	1957
45°	5495	2507	0	2507
50°	7768	3188	0	3188
55°	9440	4021	0	4021
60°	10460	5073	0	5073
65°	11343	6457	0	6457
70°	12109	7905	8	7905
75°	12692	9485	8	9485
80°	13457	12092	0	12092
85°	14166	17085	0	17085



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	9.2	0.3
20°-30°	24.8	0.9
30°-40°	57.1	2.0
40°-50°	113.2	3.9
50°-60°	202.2	7.0
60°-70°	294.3	10.2
70°-80°	357.2	12.3
80°-90°	389.6	13.4
90°-100°	389.6	13.4
100°-110°	357.2	12.3
110°-120°	294.3	10.2
120°-130°	202.2	7.0
130°-140°	113.2	3.9
140°-150°	57.1	2.0
150°-160°	24.8	0.9
160°-170°	9.2	0.3
170°-180°	1.2	0.0
0°-30°	35.3	1.2
0°-40°	92.3	3.2
0°-60°	407.7	14.1
0°-90°	1448.8	50.0
90°-120°	1041.1	35.9
90°-150°	1413.6	48.8
90°-180°	1449.0	50.0
0°-180°	2897.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	20	6	0	6	20	3
15°	78	16	0	16	78	22
25°	104	33	0	33	104	52
35°	232	66	0	66	232	153
45°	526	100	0	100	526	419
55°	930	135	0	135	930	826
65°	1114	170	0	170	1114	1102
75°	1205	175	1	175	1205	1277
85°	1258	168	0	168	1258	1023
90°	1259	165	0	165	1259	691
95°	1258	168	0	168	1258	1023
105°	1205	175	1	175	1205	1277
115°	1114	170	0	170	1114	1102
125°	930	135	0	135	930	826
135°	526	100	0	100	526	419
145°	232	66	0	66	232	153
155°	104	33	0	33	104	52
165°	78	16	0	16	78	22
175°	20	6	0	6	20	3
180°	0	0	0	0	0	



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.0	8.1	8.2	8.3	8.5	8.6	8.7	8.4	8.4	8.4	8.4
5°	19.9	20.1	20.4	20.6	20.8	20.5	20.4	20.4	20.2	20.1	19.9
7.5°	33.5	33.8	34.1	34.4	34.0	34.0	33.9	33.7	33.4	33.0	32.6
10°	46.3	46.6	47.0	47.3	46.9	46.8	46.6	46.3	46.0	45.5	44.9
12.5°	60.6	60.9	61.2	60.9	60.7	60.4	60.0	59.5	58.9	58.1	57.3
15°	78.2	78.3	78.4	77.6	77.0	76.3	75.4	74.4	73.2	71.9	70.5
17.5°	88.5	88.7	88.8	88.4	88.0	87.5	86.9	86.1	85.1	84.0	82.8
20°	90.9	91.7	92.5	93.0	93.5	93.8	94.0	93.9	93.6	93.0	92.2
22.5°	96.5	98.0	99.4	100.3	101.2	101.9	102.3	102.5	102.3	101.8	101.0
25°	103.7	106.0	107.9	109.7	111.1	112.3	113.2	113.6	113.7	113.3	112.4
27.5°	120.4	123.0	124.8	126.4	127.6	128.4	128.8	128.7	128.2	127.4	126.4
30°	147.5	149.9	151.0	151.8	152.0	151.6	150.7	149.4	147.5	145.3	143.8
32.5°	187.4	189.0	188.5	187.5	185.8	183.3	180.1	176.3	172.1	168.2	165.0
35°	232.1	232.7	230.8	228.3	224.8	220.3	215.0	209.0	202.4	196.3	190.2
37.5°	286.3	285.4	281.1	276.2	270.0	262.7	254.4	245.3	235.8	227.3	218.3
40°	352.5	350.1	343.1	335.2	325.5	314.0	301.1	286.8	273.3	261.1	248.7
42.5°	430.7	426.2	415.8	404.4	390.6	374.8	357.2	338.1	319.9	301.2	281.8
45°	526.4	519.1	504.0	487.5	467.9	445.8	421.4	398.0	372.3	348.1	323.7
47.5°	631.6	621.6	602.0	580.7	555.6	527.2	495.8	463.6	432.0	399.4	370.4
50°	757.6	744.6	719.1	691.2	658.1	620.5	578.8	538.7	498.6	459.2	423.7
52.5°	861.3	851.4	828.8	802.3	768.5	726.9	677.6	627.2	575.6	526.1	482.0
55°	929.9	928.4	916.1	898.7	872.5	836.4	789.1	729.5	664.3	603.9	544.7
57.5°	985.7	989.3	983.9	974.6	958.8	935.7	897.8	831.3	764.1	687.3	615.5
60°	1032.8	1036.0	1032.3	1027.2	1019.2	1008.6	973.3	916.1	846.8	767.7	688.9
62.5°	1073.5	1075.4	1073.8	1068.9	1060.7	1049.5	1020.7	979.2	915.2	840.4	755.3
65°	1114.1	1113.1	1109.3	1103.4	1096.5	1086.5	1063.4	1028.8	973.9	901.1	814.5
67.5°	1144.4	1144.1	1140.4	1133.6	1123.7	1115.2	1103.4	1077.6	1032.0	960.3	871.1
70°	1173.9	1170.7	1165.1	1158.4	1152.4	1142.3	1131.2	1114.7	1084.6	1018.7	925.6
72.5°	1189.9	1188.9	1184.9	1177.4	1172.4	1164.2	1153.2	1140.8	1113.6	1056.5	970.7
75°	1205.0	1205.0	1202.2	1196.6	1189.0	1182.1	1172.1	1158.1	1136.2	1085.1	1002.8
77.5°	1226.6	1224.3	1219.1	1212.3	1204.1	1193.3	1187.0	1175.5	1154.8	1111.0	1031.7
80°	1240.9	1237.8	1232.9	1223.5	1215.6	1205.5	1194.3	1189.5	1175.6	1135.6	1053.4
82.5°	1248.1	1246.6	1244.7	1240.0	1223.6	1214.1	1201.5	1194.6	1184.4	1149.2	1074.9
85°	1257.7	1256.3	1250.8	1240.9	1228.4	1220.7	1206.8	1196.2	1186.1	1157.9	1088.4
87.5°	1261.7	1256.6	1251.2	1242.2	1227.0	1222.1	1208.7	1197.7	1186.9	1162.5	1093.2
90°	1259.3	1253.7	1246.5	1245.7	1227.4	1220.2	1208.2	1198.7	1185.9	1161.2	1088.6
92.5°	1261.7	1256.6	1251.2	1242.2	1227.0	1222.1	1208.7	1197.7	1186.9	1162.5	1093.2
95°	1257.7	1256.3	1250.8	1240.9	1228.4	1220.7	1206.8	1196.2	1186.1	1157.9	1088.4
97.5°	1248.1	1246.6	1244.7	1240.0	1223.6	1214.1	1201.5	1194.6	1184.4	1149.2	1074.9
100°	1240.9	1237.8	1232.9	1223.5	1215.6	1205.5	1194.3	1189.5	1175.6	1135.6	1053.4
102.5°	1226.6	1224.3	1219.1	1212.3	1204.1	1193.3	1187.0	1175.5	1154.8	1111.0	1031.7
105°	1205.0	1205.0	1202.2	1196.6	1189.0	1182.1	1172.1	1158.1	1136.2	1085.1	1002.8
107.5°	1189.9	1188.9	1184.9	1177.4	1172.4	1164.2	1153.2	1140.8	1113.6	1056.5	970.7
110°	1173.9	1170.7	1165.1	1158.4	1152.4	1142.3	1131.2	1114.7	1084.6	1018.7	925.6



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CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1144.4	1144.1	1140.4	1133.6	1123.7	1115.2	1103.4	1077.6	1032.0	960.3	871.1
115°	1114.1	1113.1	1109.3	1103.4	1096.5	1086.5	1063.4	1028.8	973.9	901.1	814.5
117.5°	1073.5	1075.4	1073.8	1068.9	1060.7	1049.5	1020.7	979.2	915.2	840.4	755.3
120°	1032.8	1036.0	1032.3	1027.2	1019.2	1008.6	973.3	916.1	846.8	767.7	688.9
122.5°	985.7	989.3	983.9	974.6	958.8	935.7	897.8	831.3	764.1	687.3	615.5
125°	929.9	928.4	916.1	898.7	872.5	836.4	789.1	729.5	664.3	603.9	544.7
127.5°	861.3	851.4	828.8	802.3	768.5	726.9	677.6	627.2	575.6	526.1	482.0
130°	757.6	744.6	719.1	691.2	658.1	620.5	578.8	538.7	498.6	459.2	423.7
132.5°	631.6	621.6	602.0	580.7	555.6	527.2	495.8	463.6	432.0	399.4	370.4
135°	526.4	519.1	504.0	487.5	467.9	445.8	421.4	398.0	372.3	348.1	323.7
137.5°	430.7	426.2	415.8	404.4	390.6	374.8	357.2	338.1	319.9	301.2	281.8
140°	352.5	350.1	343.1	335.2	325.5	314.0	301.1	286.8	273.3	261.1	248.7
142.5°	286.3	285.4	281.1	276.2	270.0	262.7	254.4	245.3	235.8	227.3	218.3
145°	232.1	232.7	230.8	228.3	224.8	220.3	215.0	209.0	202.4	196.3	190.2
147.5°	187.4	189.0	188.5	187.5	185.8	183.3	180.1	176.3	172.1	168.2	165.0
150°	147.5	149.9	151.0	151.8	152.0	151.6	150.7	149.4	147.5	145.3	143.8
152.5°	120.4	123.0	124.8	126.4	127.6	128.4	128.8	128.7	128.2	127.4	126.4
155°	103.7	106.0	107.9	109.7	111.1	112.3	113.2	113.6	113.7	113.3	112.4
157.5°	96.5	98.0	99.4	100.3	101.2	101.9	102.3	102.5	102.3	101.8	101.0
160°	90.9	91.7	92.5	93.0	93.5	93.8	94.0	93.9	93.6	93.0	92.2
162.5°	88.5	88.7	88.8	88.4	88.0	87.5	86.9	86.1	85.1	84.0	82.8
165°	78.2	78.3	78.4	77.6	77.0	76.3	75.4	74.4	73.2	71.9	70.5
167.5°	60.6	60.9	61.2	60.9	60.7	60.4	60.0	59.5	58.9	58.1	57.3
170°	46.3	46.6	47.0	47.3	46.9	46.8	46.6	46.3	46.0	45.5	44.9
172.5°	33.5	33.8	34.1	34.4	34.0	34.0	33.9	33.7	33.4	33.0	32.6
175°	19.9	20.1	20.4	20.6	20.8	20.5	20.4	20.4	20.2	20.1	19.9
177.5°	8.0	8.1	8.2	8.3	8.5	8.6	8.7	8.4	8.4	8.4	8.4
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: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.3	8.3	8.2	8.1	8.0	7.8	7.7	7.6	7.4	7.2	7.0
5°	19.6	19.3	19.0	18.6	18.2	17.7	17.2	16.6	16.0	15.4	14.8
7.5°	32.1	31.6	30.9	30.3	29.5	28.7	27.8	26.9	25.9	25.0	24.0
10°	44.3	43.6	42.8	41.9	41.0	39.9	38.8	37.5	36.2	34.9	33.4
12.5°	56.3	55.3	54.2	53.0	51.7	50.4	49.0	47.6	46.0	44.4	42.7
15°	68.9	67.3	65.6	64.0	62.4	60.7	59.0	57.2	55.3	53.4	51.3
17.5°	81.4	79.9	77.8	75.6	73.3	71.0	68.6	66.3	64.1	61.9	59.6
20°	91.1	89.5	87.6	85.5	83.3	80.9	78.2	75.4	72.6	69.8	67.2
22.5°	99.9	98.6	97.0	94.9	92.4	89.6	86.7	83.7	80.5	77.4	74.3
25°	111.4	109.9	108.0	105.6	102.8	99.7	96.0	91.9	88.3	84.5	81.0
27.5°	125.3	123.6	121.2	118.5	115.4	111.7	108.1	102.8	97.5	92.0	87.7
30°	141.9	139.6	137.2	133.8	130.0	125.5	120.9	115.5	109.9	104.4	98.7
32.5°	161.4	157.5	154.1	150.6	146.6	141.8	135.8	129.5	123.6	117.5	111.5
35°	183.8	177.9	173.1	168.1	162.7	157.0	150.8	143.9	136.7	130.0	123.4
37.5°	209.1	201.2	193.7	186.5	179.0	171.7	164.8	157.8	150.3	142.4	135.0
40°	236.6	226.0	215.1	205.5	196.5	187.8	179.4	171.1	163.2	154.9	146.4
42.5°	266.1	252.0	238.3	226.3	215.4	204.7	194.8	185.3	175.8	167.0	157.9
45°	302.2	280.3	263.2	247.5	233.9	221.4	210.5	199.9	189.3	178.8	169.1
47.5°	343.1	316.2	292.1	269.9	253.3	238.3	225.5	214.0	203.0	191.3	180.1
50°	387.2	355.1	324.4	297.8	273.6	255.4	240.0	227.2	215.7	204.1	191.2
52.5°	438.2	397.8	359.7	327.0	298.1	272.9	254.5	239.6	227.9	215.9	205.8
55°	492.4	443.7	399.4	357.5	323.2	293.7	268.7	251.8	241.0	231.9	224.1
57.5°	551.1	491.3	439.8	392.5	349.3	314.4	289.0	269.6	255.8	246.6	238.6
60°	612.2	543.0	479.9	426.7	380.9	342.3	310.7	286.7	271.2	260.3	252.2
62.5°	672.0	593.8	524.2	465.1	414.2	369.1	333.7	305.8	285.7	272.8	264.7
65°	725.0	645.2	571.5	503.2	446.5	397.3	355.6	322.5	299.7	285.6	276.6
67.5°	779.6	694.0	615.2	542.6	476.0	421.5	376.9	340.9	314.6	297.5	287.5
70°	830.6	738.3	654.4	576.5	506.1	446.3	397.1	357.7	327.4	308.2	297.4
72.5°	872.3	776.3	686.0	605.1	533.0	467.4	413.7	373.6	339.0	318.8	307.1
75°	905.0	806.7	712.9	626.7	554.3	486.0	430.6	387.9	353.6	330.0	315.6
77.5°	928.4	828.2	733.5	647.6	574.4	508.0	450.0	403.5	366.9	340.5	323.8
80°	950.3	850.6	757.2	668.7	591.1	525.4	466.3	417.2	378.6	350.3	331.8
82.5°	972.9	869.4	774.3	684.3	602.8	538.2	479.6	429.2	388.8	359.4	339.6
85°	986.0	880.7	784.6	694.3	609.9	546.9	489.9	439.3	397.4	367.7	347.0
87.5°	989.6	887.9	791.4	701.5	614.5	553.2	498.6	448.4	405.3	375.6	354.2
90°	984.1	880.5	785.6	697.8	611.7	553.5	502.4	453.8	410.7	382.0	360.5
92.5°	989.6	887.9	791.4	701.5	614.5	553.2	498.6	448.4	405.3	375.6	354.2
95°	986.0	880.7	784.6	694.3	609.9	546.9	489.9	439.3	397.4	367.7	347.0
97.5°	972.9	869.4	774.3	684.3	602.8	538.2	479.6	429.2	388.8	359.4	339.6
100°	950.3	850.6	757.2	668.7	591.1	525.4	466.3	417.2	378.6	350.3	331.8
102.5°	928.4	828.2	733.5	647.6	574.4	508.0	450.0	403.5	366.9	340.5	323.8
105°	905.0	806.7	712.9	626.7	554.3	486.0	430.6	387.9	353.6	330.0	315.6
107.5°	872.3	776.3	686.0	605.1	533.0	467.4	413.7	373.6	339.0	318.8	307.1
110°	830.6	738.3	654.4	576.5	506.1	446.3	397.1	357.7	327.4	308.2	297.4





TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	779.6	694.0	615.2	542.6	476.0	421.5	376.9	340.9	314.6	297.5	287.5
115°	725.0	645.2	571.5	503.2	446.5	397.3	355.6	322.5	299.7	285.6	276.6
117.5°	672.0	593.8	524.2	465.1	414.2	369.1	333.7	305.8	285.7	272.8	264.7
120°	612.2	543.0	479.9	426.7	380.9	342.3	310.7	286.7	271.2	260.3	252.2
122.5°	551.1	491.3	439.8	392.5	349.3	314.4	289.0	269.6	255.8	246.6	238.6
125°	492.4	443.7	399.4	357.5	323.2	293.7	268.7	251.8	241.0	231.9	224.1
127.5°	438.2	397.8	359.7	327.0	298.1	272.9	254.5	239.6	227.9	215.9	205.8
130°	387.2	355.1	324.4	297.8	273.6	255.4	240.0	227.2	215.7	204.1	191.2
132.5°	343.1	316.2	292.1	269.9	253.3	238.3	225.5	214.0	203.0	191.3	180.1
135°	302.2	280.3	263.2	247.5	233.9	221.4	210.5	199.9	189.3	178.8	169.1
137.5°	266.1	252.0	238.3	226.3	215.4	204.7	194.8	185.3	175.8	167.0	157.9
140°	236.6	226.0	215.1	205.5	196.5	187.8	179.4	171.1	163.2	154.9	146.4
142.5°	209.1	201.2	193.7	186.5	179.0	171.7	164.8	157.8	150.3	142.4	135.0
145°	183.8	177.9	173.1	168.1	162.7	157.0	150.8	143.9	136.7	130.0	123.4
147.5°	161.4	157.5	154.1	150.6	146.6	141.8	135.8	129.5	123.6	117.5	111.5
150°	141.9	139.6	137.2	133.8	130.0	125.5	120.9	115.5	109.9	104.4	98.7
152.5°	125.3	123.6	121.2	118.5	115.4	111.7	108.1	102.8	97.5	92.0	87.7
155°	111.4	109.9	108.0	105.6	102.8	99.7	96.0	91.9	88.3	84.5	81.0
157.5°	99.9	98.6	97.0	94.9	92.4	89.6	86.7	83.7	80.5	77.4	74.3
160°	91.1	89.5	87.6	85.5	83.3	80.9	78.2	75.4	72.6	69.8	67.2
162.5°	81.4	79.9	77.8	75.6	73.3	71.0	68.6	66.3	64.1	61.9	59.6
165°	68.9	67.3	65.6	64.0	62.4	60.7	59.0	57.2	55.3	53.4	51.3
167.5°	56.3	55.3	54.2	53.0	51.7	50.4	49.0	47.6	46.0	44.4	42.7
170°	44.3	43.6	42.8	41.9	41.0	39.9	38.8	37.5	36.2	34.9	33.4
172.5°	32.1	31.6	30.9	30.3	29.5	28.7	27.8	26.9	25.9	25.0	24.0
175°	19.6	19.3	19.0	18.6	18.2	17.7	17.2	16.6	16.0	15.4	14.8
177.5°	8.3	8.3	8.2	8.1	8.0	7.8	7.7	7.6	7.4	7.2	7.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.8	6.6	6.3	6.1	5.8	5.6	5.3	5.0	4.7	4.4	4.1
5°	14.1	13.3	12.6	12.1	11.6	11.1	10.5	9.9	9.4	8.7	8.1
7.5°	22.9	21.9	20.7	19.5	18.3	17.1	15.8	14.8	14.0	13.1	12.1
10°	31.9	30.4	28.9	27.2	25.6	23.9	22.2	20.4	18.6	17.3	16.1
12.5°	40.8	38.9	36.9	34.9	32.8	30.7	28.6	26.4	24.1	21.8	20.0
15°	49.2	47.0	45.1	42.4	39.9	37.4	34.8	32.2	29.6	26.8	24.0
17.5°	57.6	54.7	52.1	49.5	46.7	43.9	41.0	38.0	34.9	31.8	28.6
20°	64.6	62.0	59.2	56.2	53.2	50.0	46.8	43.5	40.2	36.7	33.0
22.5°	71.3	68.4	65.6	62.7	59.4	55.9	52.4	48.8	45.2	41.5	37.4
25°	77.5	74.3	71.3	68.2	65.9	63.1	60.0	56.8	53.4	50.0	46.1
27.5°	84.3	81.8	79.7	77.5	75.2	72.7	69.6	66.3	62.8	59.2	55.3
30°	94.9	91.6	88.7	86.5	84.2	81.6	78.9	75.5	72.2	68.2	64.3
32.5°	105.6	101.2	97.8	95.0	92.7	90.2	87.6	84.4	80.9	77.1	73.0
35°	117.1	111.1	106.7	103.4	100.9	98.5	95.8	93.3	89.5	85.8	81.6
37.5°	127.9	121.5	115.3	111.7	108.8	106.3	103.9	101.1	97.9	94.3	90.0
40°	138.5	131.1	124.8	119.3	116.3	113.8	111.5	108.9	106.0	102.5	98.4
42.5°	148.8	140.8	133.4	127.5	123.5	121.0	118.8	116.5	113.8	110.5	106.6
45°	159.4	150.0	142.1	135.4	130.1	127.9	125.9	123.8	121.3	118.2	114.7
47.5°	169.6	159.5	150.5	142.9	137.3	135.4	135.9	135.9	135.3	134.2	132.0
50°	179.8	169.5	162.6	157.9	154.7	153.3	153.9	153.8	153.6	153.0	151.3
52.5°	196.3	188.8	182.5	177.3	173.2	171.3	171.8	171.7	171.5	171.8	170.3
55°	214.2	207.0	201.2	196.2	191.7	189.8	189.6	189.7	189.1	190.2	189.2
57.5°	230.8	223.8	218.8	214.5	210.4	207.8	207.3	207.7	206.7	208.3	208.0
60°	245.5	239.4	235.1	231.9	228.6	225.6	224.9	225.7	224.5	226.2	226.6
62.5°	258.6	253.8	250.5	248.3	246.3	243.1	242.5	243.3	242.3	243.9	245.2
65°	270.7	266.8	264.8	263.9	263.6	260.7	260.2	260.9	260.2	261.4	263.8
67.5°	281.7	278.5	278.1	278.7	279.8	278.2	277.7	278.5	278.0	278.8	282.2
70°	291.9	289.5	290.6	292.2	293.0	291.5	290.0	290.0	289.3	288.6	288.8
72.5°	300.1	295.7	294.6	295.7	297.6	298.0	297.3	297.8	297.9	297.0	294.2
75°	306.4	300.3	297.7	298.9	301.9	304.1	304.5	305.6	306.2	305.8	300.1
77.5°	312.9	305.1	300.9	301.9	306.0	309.8	311.6	313.3	314.4	314.9	306.4
80°	319.5	310.1	304.2	304.7	309.9	315.2	318.5	321.0	322.4	324.2	312.9
82.5°	326.1	315.1	307.5	307.4	313.7	320.4	325.4	328.7	330.4	333.7	320.6
85°	332.5	320.0	310.8	310.1	317.5	325.2	332.2	336.3	338.1	343.6	326.7
87.5°	338.9	325.0	314.1	312.8	321.3	330.5	339.1	344.0	346.1	352.8	332.8
90°	344.5	329.4	317.4	315.8	325.4	335.8	346.1	351.7	354.1	362.1	338.9
92.5°	338.9	325.0	314.1	312.8	321.3	330.5	339.1	344.0	346.1	352.8	332.8
95°	332.5	320.0	310.8	310.1	317.5	325.2	332.2	336.3	338.1	343.6	326.7
97.5°	326.1	315.1	307.5	307.4	313.7	320.4	325.4	328.7	330.4	333.7	320.6
100°	319.5	310.1	304.2	304.7	309.9	315.2	318.5	321.0	322.4	324.2	312.9
102.5°	312.9	305.1	300.9	301.9	306.0	309.8	311.6	313.3	314.4	314.9	306.4
105°	306.4	300.3	297.7	298.9	301.9	304.1	304.5	305.6	306.2	305.8	300.1
107.5°	300.1	295.7	294.6	295.7	297.6	298.0	297.3	297.8	297.9	297.0	294.2
110°	291.9	289.5	290.6	292.2	293.0	291.5	290.0	290.0	289.3	288.6	288.8



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	281.7	278.5	278.1	278.7	279.8	278.2	277.7	278.5	278.0	278.8	282.2
115°	270.7	266.8	264.8	263.9	263.6	260.7	260.2	260.9	260.2	261.4	263.8
117.5°	258.6	253.8	250.5	248.3	246.3	243.1	242.5	243.3	242.3	243.9	245.2
120°	245.5	239.4	235.1	231.9	228.6	225.6	224.9	225.7	224.5	226.2	226.6
122.5°	230.8	223.8	218.8	214.5	210.4	207.8	207.3	207.7	206.7	208.3	208.0
125°	214.2	207.0	201.2	196.2	191.7	189.8	189.6	189.7	189.1	190.2	189.2
127.5°	196.3	188.8	182.5	177.3	173.2	171.3	171.8	171.7	171.5	171.8	170.3
130°	179.8	169.5	162.6	157.9	154.7	153.3	153.9	153.8	153.6	153.0	151.3
132.5°	169.6	159.5	150.5	142.9	137.3	135.4	135.9	135.9	135.3	134.2	132.0
135°	159.4	150.0	142.1	135.4	130.1	127.9	125.9	123.8	121.3	118.2	114.7
137.5°	148.8	140.8	133.4	127.5	123.5	121.0	118.8	116.5	113.8	110.5	106.6
140°	138.5	131.1	124.8	119.3	116.3	113.8	111.5	108.9	106.0	102.5	98.4
142.5°	127.9	121.5	115.3	111.7	108.8	106.3	103.9	101.1	97.9	94.3	90.0
145°	117.1	111.1	106.7	103.4	100.9	98.5	95.8	93.3	89.5	85.8	81.6
147.5°	105.6	101.2	97.8	95.0	92.7	90.2	87.6	84.4	80.9	77.1	73.0
150°	94.9	91.6	88.7	86.5	84.2	81.6	78.9	75.5	72.2	68.2	64.3
152.5°	84.3	81.8	79.7	77.5	75.2	72.7	69.6	66.3	62.8	59.2	55.3
155°	77.5	74.3	71.3	68.2	65.9	63.1	60.0	56.8	53.4	50.0	46.1
157.5°	71.3	68.4	65.6	62.7	59.4	55.9	52.4	48.8	45.2	41.5	37.4
160°	64.6	62.0	59.2	56.2	53.2	50.0	46.8	43.5	40.2	36.7	33.0
162.5°	57.6	54.7	52.1	49.5	46.7	43.9	41.0	38.0	34.9	31.8	28.6
165°	49.2	47.0	45.1	42.4	39.9	37.4	34.8	32.2	29.6	26.8	24.0
167.5°	40.8	38.9	36.9	34.9	32.8	30.7	28.6	26.4	24.1	21.8	20.0
170°	31.9	30.4	28.9	27.2	25.6	23.9	22.2	20.4	18.6	17.3	16.1
172.5°	22.9	21.9	20.7	19.5	18.3	17.1	15.8	14.8	14.0	13.1	12.1
175°	14.1	13.3	12.6	12.1	11.6	11.1	10.5	9.9	9.4	8.7	8.1
177.5°	6.8	6.6	6.3	6.1	5.8	5.6	5.3	5.0	4.7	4.4	4.1
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: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.8	3.4	3.1	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
5°	7.5	6.8	6.2	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.1
7.5°	11.2	10.2	9.2	8.2	8.2	8.1	8.1	8.0	7.9	7.8	7.6
10°	14.9	13.6	12.3	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.1
12.5°	18.5	16.9	15.3	13.7	13.6	13.5	13.3	13.1	13.0	12.8	12.7
15°	22.1	20.3	18.4	16.5	16.3	16.1	15.9	15.7	15.6	15.4	15.2
17.5°	25.7	23.6	21.4	19.2	19.0	18.8	18.5	18.3	18.2	18.0	17.8
20°	29.3	26.9	24.4	22.0	21.7	21.4	21.1	20.9	20.8	20.6	20.3
22.5°	33.3	30.1	27.4	24.7	24.4	24.0	23.7	23.6	23.4	23.2	22.9
25°	42.1	38.5	35.8	33.0	32.8	32.4	32.0	31.6	31.0	30.1	29.1
27.5°	51.0	46.9	44.2	41.4	41.2	41.0	40.8	40.5	39.8	38.8	37.5
30°	59.8	55.3	52.6	49.7	49.8	49.6	49.6	49.4	48.5	47.5	45.3
32.5°	68.5	63.8	60.9	58.0	58.3	58.4	58.5	58.3	57.3	55.6	52.8
35°	77.1	72.3	69.1	66.4	66.8	67.2	67.5	67.1	66.0	63.2	59.9
37.5°	85.5	80.8	77.4	74.7	75.4	76.0	76.5	75.9	74.8	70.6	65.8
40°	93.9	89.1	85.6	83.0	84.0	84.9	85.6	84.7	82.4	77.6	71.2
42.5°	102.1	97.4	93.7	91.4	92.7	93.8	94.7	93.5	89.9	84.6	76.0
45°	110.2	105.5	101.9	99.7	101.3	102.7	103.5	102.3	97.2	89.9	80.4
47.5°	126.6	119.9	113.3	108.6	107.8	107.2	106.5	105.0	99.3	91.6	82.6
50°	144.3	134.9	125.0	117.4	114.0	111.2	108.7	106.0	99.4	91.3	83.1
52.5°	162.4	150.3	136.9	126.3	120.1	114.8	110.6	106.5	99.5	91.4	84.2
55°	180.8	166.1	148.9	135.1	126.0	118.2	112.5	107.0	99.6	91.9	85.9
57.5°	199.4	182.2	161.1	144.0	131.7	121.3	114.1	107.6	99.9	93.0	88.0
60°	218.4	198.6	173.4	152.8	137.4	124.2	115.7	108.1	100.6	94.7	90.9
62.5°	237.5	215.2	185.9	161.7	142.9	126.9	117.1	108.7	101.5	96.8	94.2
65°	256.8	232.1	198.4	170.5	148.3	129.4	118.4	109.3	102.7	99.3	97.9
67.5°	276.2	249.1	211.0	179.4	153.6	131.8	119.6	109.9	104.1	102.1	102.1
70°	279.3	249.3	209.9	177.8	152.0	130.5	118.6	108.7	103.4	102.2	103.2
72.5°	281.2	248.9	208.6	176.2	150.5	129.1	117.4	107.2	102.3	101.1	102.4
75°	283.1	248.3	208.4	174.6	149.0	127.8	116.3	105.8	101.3	100.1	101.6
77.5°	285.0	247.6	206.6	173.0	147.5	126.6	115.2	104.5	100.2	99.0	100.8
80°	286.9	248.0	204.9	171.5	146.2	125.5	114.2	103.2	99.3	97.8	100.0
82.5°	289.7	246.4	203.1	169.9	144.9	124.5	113.3	102.0	98.3	96.7	99.1
85°	290.7	244.8	201.3	168.3	143.6	123.6	112.4	100.9	97.4	95.6	98.3
87.5°	291.7	243.2	199.6	166.7	142.4	122.8	111.6	99.8	96.5	94.4	97.4
90°	292.7	241.6	197.8	165.1	141.2	122.0	110.9	98.9	95.7	93.3	96.5
92.5°	291.7	243.2	199.6	166.7	142.4	122.8	111.6	99.8	96.5	94.4	97.4
95°	290.7	244.8	201.3	168.3	143.6	123.6	112.4	100.9	97.4	95.6	98.3
97.5°	289.7	246.4	203.1	169.9	144.9	124.5	113.3	102.0	98.3	96.7	99.1
100°	286.9	248.0	204.9	171.5	146.2	125.5	114.2	103.2	99.3	97.8	100.0
102.5°	285.0	247.6	206.6	173.0	147.5	126.6	115.2	104.5	100.2	99.0	100.8
105°	283.1	248.3	208.4	174.6	149.0	127.8	116.3	105.8	101.3	100.1	101.6
107.5°	281.2	248.9	208.6	176.2	150.5	129.1	117.4	107.2	102.3	101.1	102.4
110°	279.3	249.3	209.9	177.8	152.0	130.5	118.6	108.7	103.4	102.2	103.2



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	276.2	249.1	211.0	179.4	153.6	131.8	119.6	109.9	104.1	102.1	102.1
115°	256.8	232.1	198.4	170.5	148.3	129.4	118.4	109.3	102.7	99.3	97.9
117.5°	237.5	215.2	185.9	161.7	142.9	126.9	117.1	108.7	101.5	96.8	94.2
120°	218.4	198.6	173.4	152.8	137.4	124.2	115.7	108.1	100.6	94.7	90.9
122.5°	199.4	182.2	161.1	144.0	131.7	121.3	114.1	107.6	99.9	93.0	88.0
125°	180.8	166.1	148.9	135.1	126.0	118.2	112.5	107.0	99.6	91.9	85.9
127.5°	162.4	150.3	136.9	126.3	120.1	114.8	110.6	106.5	99.5	91.4	84.2
130°	144.3	134.9	125.0	117.4	114.0	111.2	108.7	106.0	99.4	91.3	83.1
132.5°	126.6	119.9	113.3	108.6	107.8	107.2	106.5	105.0	99.3	91.6	82.6
135°	110.2	105.5	101.9	99.7	101.3	102.7	103.5	102.3	97.2	89.9	80.4
137.5°	102.1	97.4	93.7	91.4	92.7	93.8	94.7	93.5	89.9	84.6	76.0
140°	93.9	89.1	85.6	83.0	84.0	84.9	85.6	84.7	82.4	77.6	71.2
142.5°	85.5	80.8	77.4	74.7	75.4	76.0	76.5	75.9	74.8	70.6	65.8
145°	77.1	72.3	69.1	66.4	66.8	67.2	67.5	67.1	66.0	63.2	59.9
147.5°	68.5	63.8	60.9	58.0	58.3	58.4	58.5	58.3	57.3	55.6	52.8
150°	59.8	55.3	52.6	49.7	49.8	49.6	49.6	49.4	48.5	47.5	45.3
152.5°	51.0	46.9	44.2	41.4	41.2	41.0	40.8	40.5	39.8	38.8	37.5
155°	42.1	38.5	35.8	33.0	32.8	32.4	32.0	31.6	31.0	30.1	29.1
157.5°	33.3	30.1	27.4	24.7	24.4	24.0	23.7	23.6	23.4	23.2	22.9
160°	29.3	26.9	24.4	22.0	21.7	21.4	21.1	20.9	20.8	20.6	20.3
162.5°	25.7	23.6	21.4	19.2	19.0	18.8	18.5	18.3	18.2	18.0	17.8
165°	22.1	20.3	18.4	16.5	16.3	16.1	15.9	15.7	15.6	15.4	15.2
167.5°	18.5	16.9	15.3	13.7	13.6	13.5	13.3	13.1	13.0	12.8	12.7
170°	14.9	13.6	12.3	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.1
172.5°	11.2	10.2	9.2	8.2	8.2	8.1	8.1	8.0	7.9	7.8	7.6
175°	7.5	6.8	6.2	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.1
177.5°	3.8	3.4	3.1	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
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: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9
5°	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.2	4.1	3.9	3.8
7.5°	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6
10°	10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.2	7.9	7.5
12.5°	12.5	12.3	12.1	11.8	11.5	11.2	10.9	10.6	10.2	9.9	9.5
15°	15.0	14.8	14.5	14.2	13.9	13.5	13.1	12.7	12.3	11.9	11.3
17.5°	17.5	17.3	16.9	16.6	16.2	15.8	15.4	14.8	14.2	13.6	12.9
20°	20.1	19.7	19.4	19.0	18.6	18.0	17.3	16.6	16.0	15.4	14.8
22.5°	22.6	22.2	21.9	21.4	20.7	19.9	19.2	18.7	18.1	17.4	16.8
25°	27.9	26.6	25.1	23.5	22.7	22.0	21.5	20.8	20.2	19.5	18.7
27.5°	35.7	33.9	31.6	29.3	27.5	25.9	24.4	23.0	22.3	21.4	20.3
30°	43.1	40.1	37.1	34.6	32.3	30.3	28.4	26.6	24.8	23.2	21.8
32.5°	49.5	45.6	42.1	39.1	36.3	33.8	31.5	29.2	27.2	25.4	23.7
35°	55.0	50.4	46.4	42.8	39.5	36.5	33.7	31.2	29.1	27.2	25.7
37.5°	60.0	54.7	50.0	45.9	42.0	38.6	35.5	32.9	30.8	29.1	27.4
40°	64.4	58.5	53.1	48.3	44.0	40.1	37.1	34.5	32.5	30.5	28.6
42.5°	68.5	61.6	55.7	50.3	45.5	41.8	38.5	36.1	33.8	31.6	29.7
45°	72.1	64.5	57.7	51.9	47.0	43.1	40.1	37.4	35.0	32.8	30.8
47.5°	74.5	66.9	59.6	53.2	48.5	44.6	41.4	38.6	36.1	33.9	31.9
50°	75.7	68.9	62.4	56.4	51.0	46.2	42.7	39.7	37.3	35.2	33.2
52.5°	77.8	71.7	66.1	61.3	56.5	51.7	46.9	42.6	38.6	36.6	34.5
55°	80.5	75.5	70.8	66.8	62.2	57.3	52.4	47.8	43.6	39.8	36.0
57.5°	83.9	79.9	76.3	72.8	68.1	62.9	57.8	52.9	48.3	43.9	39.3
60°	87.8	84.8	82.4	78.9	74.0	68.5	63.1	57.7	52.5	47.3	42.2
62.5°	92.2	90.3	88.9	85.1	79.9	74.1	68.2	62.1	56.3	50.2	44.8
65°	97.2	96.3	95.9	91.6	85.8	79.6	72.9	66.2	59.5	52.8	47.0
67.5°	102.5	102.8	102.4	97.9	91.8	85.0	77.5	70.1	62.4	55.2	48.8
70°	104.9	106.9	107.3	103.8	97.6	90.3	81.9	73.8	65.1	57.4	50.5
72.5°	104.3	106.7	106.9	103.8	98.7	92.2	84.5	76.5	67.7	59.4	52.0
75°	103.8	106.5	106.8	104.2	99.6	93.2	85.7	77.7	69.2	61.1	53.6
77.5°	103.3	106.2	106.9	104.9	100.8	94.6	87.2	79.3	71.0	62.8	55.0
80°	102.8	106.0	107.2	106.0	102.3	96.2	89.0	81.2	73.1	64.7	56.6
82.5°	102.3	105.7	107.7	107.3	104.0	98.2	91.1	83.6	75.5	66.8	58.4
85°	101.7	105.3	108.2	108.7	105.9	100.3	93.5	86.3	78.2	69.2	60.4
87.5°	101.1	104.9	108.8	110.2	108.0	102.7	96.1	89.3	81.2	71.9	62.7
90°	100.5	104.5	109.3	111.7	110.1	105.3	98.9	92.5	84.5	75.0	65.4
92.5°	101.1	104.9	108.8	110.2	108.0	102.7	96.1	89.3	81.2	71.9	62.7
95°	101.7	105.3	108.2	108.7	105.9	100.3	93.5	86.3	78.2	69.2	60.4
97.5°	102.3	105.7	107.7	107.3	104.0	98.2	91.1	83.6	75.5	66.8	58.4
100°	102.8	106.0	107.2	106.0	102.3	96.2	89.0	81.2	73.1	64.7	56.6
102.5°	103.3	106.2	106.9	104.9	100.8	94.6	87.2	79.3	71.0	62.8	55.0
105°	103.8	106.5	106.8	104.2	99.6	93.2	85.7	77.7	69.2	61.1	53.6
107.5°	104.3	106.7	106.9	103.8	98.7	92.2	84.5	76.5	67.7	59.4	52.0
110°	104.9	106.9	107.3	103.8	97.6	90.3	81.9	73.8	65.1	57.4	50.5



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	102.5	102.8	102.4	97.9	91.8	85.0	77.5	70.1	62.4	55.2	48.8
115°	97.2	96.3	95.9	91.6	85.8	79.6	72.9	66.2	59.5	52.8	47.0
117.5°	92.2	90.3	88.9	85.1	79.9	74.1	68.2	62.1	56.3	50.2	44.8
120°	87.8	84.8	82.4	78.9	74.0	68.5	63.1	57.7	52.5	47.3	42.2
122.5°	83.9	79.9	76.3	72.8	68.1	62.9	57.8	52.9	48.3	43.9	39.3
125°	80.5	75.5	70.8	66.8	62.2	57.3	52.4	47.8	43.6	39.8	36.0
127.5°	77.8	71.7	66.1	61.3	56.5	51.7	46.9	42.6	38.6	36.6	34.5
130°	75.7	68.9	62.4	56.4	51.0	46.2	42.7	39.7	37.3	35.2	33.2
132.5°	74.5	66.9	59.6	53.2	48.5	44.6	41.4	38.6	36.1	33.9	31.9
135°	72.1	64.5	57.7	51.9	47.0	43.1	40.1	37.4	35.0	32.8	30.8
137.5°	68.5	61.6	55.7	50.3	45.5	41.8	38.5	36.1	33.8	31.6	29.7
140°	64.4	58.5	53.1	48.3	44.0	40.1	37.1	34.5	32.5	30.5	28.6
142.5°	60.0	54.7	50.0	45.9	42.0	38.6	35.5	32.9	30.8	29.1	27.4
145°	55.0	50.4	46.4	42.8	39.5	36.5	33.7	31.2	29.1	27.2	25.7
147.5°	49.5	45.6	42.1	39.1	36.3	33.8	31.5	29.2	27.2	25.4	23.7
150°	43.1	40.1	37.1	34.6	32.3	30.3	28.4	26.6	24.8	23.2	21.8
152.5°	35.7	33.9	31.6	29.3	27.5	25.9	24.4	23.0	22.3	21.4	20.3
155°	27.9	26.6	25.1	23.5	22.7	22.0	21.5	20.8	20.2	19.5	18.7
157.5°	22.6	22.2	21.9	21.4	20.7	19.9	19.2	18.7	18.1	17.4	16.8
160°	20.1	19.7	19.4	19.0	18.6	18.0	17.3	16.6	16.0	15.4	14.8
162.5°	17.5	17.3	16.9	16.6	16.2	15.8	15.4	14.8	14.2	13.6	12.9
165°	15.0	14.8	14.5	14.2	13.9	13.5	13.1	12.7	12.3	11.9	11.3
167.5°	12.5	12.3	12.1	11.8	11.5	11.2	10.9	10.6	10.2	9.9	9.5
170°	10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.2	7.9	7.5
172.5°	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6
175°	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.2	4.1	3.9	3.8
177.5°	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
5°	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.2	2.0	1.8	1.6
7.5°	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.4
10°	7.2	6.9	6.5	6.1	5.7	5.4	4.9	4.5	4.1	3.7	3.2
12.5°	9.0	8.6	8.2	7.7	7.2	6.6	6.1	5.6	5.0	4.5	3.9
15°	10.8	10.2	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.4	4.7
17.5°	12.3	11.8	11.2	10.5	9.9	9.2	8.5	7.8	7.1	6.3	5.6
20°	14.2	13.5	12.8	12.1	11.4	10.6	9.8	8.9	8.0	7.2	6.3
22.5°	16.1	15.3	14.5	13.6	12.6	11.7	10.8	9.8	8.8	7.9	6.9
25°	17.8	16.8	15.8	14.8	13.8	12.7	11.7	10.7	9.7	8.7	7.6
27.5°	19.2	18.1	17.1	16.0	14.9	13.9	12.9	11.9	10.7	9.5	8.4
30°	20.6	19.5	18.5	17.5	16.5	15.2	14.0	12.7	11.5	10.2	8.9
32.5°	22.4	21.3	20.2	18.9	17.5	16.2	14.9	13.5	12.2	10.8	9.3
35°	24.4	22.9	21.4	20.0	18.5	17.1	15.6	14.0	12.4	10.9	9.6
37.5°	25.7	24.0	22.5	21.0	19.2	17.5	15.8	14.4	12.9	11.5	10.0
40°	26.8	25.1	23.4	21.5	19.7	18.1	16.5	15.0	13.5	12.0	10.5
42.5°	27.9	26.0	24.0	22.3	20.6	18.9	17.3	15.6	14.1	12.5	10.9
45°	28.8	26.9	25.1	23.3	21.4	19.6	18.0	16.3	14.7	13.0	11.3
47.5°	29.9	28.1	26.1	24.0	22.2	20.4	18.6	16.9	15.2	13.4	11.7
50°	31.2	29.0	26.8	24.9	23.0	21.0	19.1	17.3	15.6	13.9	12.1
52.5°	32.2	29.8	27.8	25.7	23.5	21.5	19.6	17.8	16.0	14.2	12.4
55°	33.1	30.9	28.6	26.2	24.1	22.1	20.2	18.3	16.4	14.5	12.7
57.5°	35.3	32.0	29.1	26.9	24.8	22.7	20.7	18.7	16.8	14.9	12.9
60°	38.0	33.9	30.4	27.7	25.5	23.3	21.2	19.2	17.0	14.9	12.8
62.5°	40.0	35.5	32.0	28.9	26.3	24.0	21.8	19.4	17.0	14.6	12.3
65°	41.6	37.1	33.2	29.8	26.9	24.4	22.0	19.3	16.7	14.1	11.9
67.5°	43.1	38.3	34.1	30.3	27.1	24.3	21.6	19.0	16.2	13.4	11.2
70°	44.5	39.3	34.7	30.5	27.1	23.9	20.9	18.0	15.2	12.8	10.4
72.5°	45.7	40.2	35.0	30.6	26.8	23.4	20.2	16.9	14.4	12.1	9.7
75°	46.9	40.9	35.3	30.5	26.6	22.9	19.3	16.3	13.8	11.2	8.7
77.5°	48.0	41.6	35.7	30.6	26.4	22.4	18.6	16.1	13.2	10.4	7.9
80°	49.3	42.4	36.1	30.8	26.1	21.8	18.3	15.8	12.7	9.6	7.0
82.5°	50.7	43.4	36.7	31.0	25.8	21.2	17.6	14.7	11.8	8.9	6.2
85°	52.4	44.6	37.5	31.3	25.7	20.7	16.9	13.8	11.0	8.2	5.8
87.5°	54.3	46.0	38.5	31.8	25.8	20.5	16.3	13.2	10.5	7.9	5.9
90°	56.6	47.9	39.9	32.7	26.3	20.7	16.0	12.8	10.4	8.0	6.4
92.5°	54.3	46.0	38.5	31.8	25.8	20.5	16.3	13.2	10.5	7.9	5.9
95°	52.4	44.6	37.5	31.3	25.7	20.7	16.9	13.8	11.0	8.2	5.8
97.5°	50.7	43.4	36.7	31.0	25.8	21.2	17.6	14.7	11.8	8.9	6.2
100°	49.3	42.4	36.1	30.8	26.1	21.8	18.3	15.8	12.7	9.6	7.0
102.5°	48.0	41.6	35.7	30.6	26.4	22.4	18.6	16.1	13.2	10.4	7.9
105°	46.9	40.9	35.3	30.5	26.6	22.9	19.3	16.3	13.8	11.2	8.7
107.5°	45.7	40.2	35.0	30.6	26.8	23.4	20.2	16.9	14.4	12.1	9.7
110°	44.5	39.3	34.7	30.5	27.1	23.9	20.9	18.0	15.2	12.8	10.4





TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	43.1	38.3	34.1	30.3	27.1	24.3	21.6	19.0	16.2	13.4	11.2
115°	41.6	37.1	33.2	29.8	26.9	24.4	22.0	19.3	16.7	14.1	11.9
117.5°	40.0	35.5	32.0	28.9	26.3	24.0	21.8	19.4	17.0	14.6	12.3
120°	38.0	33.9	30.4	27.7	25.5	23.3	21.2	19.2	17.0	14.9	12.8
122.5°	35.3	32.0	29.1	26.9	24.8	22.7	20.7	18.7	16.8	14.9	12.9
125°	33.1	30.9	28.6	26.2	24.1	22.1	20.2	18.3	16.4	14.5	12.7
127.5°	32.2	29.8	27.8	25.7	23.5	21.5	19.6	17.8	16.0	14.2	12.4
130°	31.2	29.0	26.8	24.9	23.0	21.0	19.1	17.3	15.6	13.9	12.1
132.5°	29.9	28.1	26.1	24.0	22.2	20.4	18.6	16.9	15.2	13.4	11.7
135°	28.8	26.9	25.1	23.3	21.4	19.6	18.0	16.3	14.7	13.0	11.3
137.5°	27.9	26.0	24.0	22.3	20.6	18.9	17.3	15.6	14.1	12.5	10.9
140°	26.8	25.1	23.4	21.5	19.7	18.1	16.5	15.0	13.5	12.0	10.5
142.5°	25.7	24.0	22.5	21.0	19.2	17.5	15.8	14.4	12.9	11.5	10.0
145°	24.4	22.9	21.4	20.0	18.5	17.1	15.6	14.0	12.4	10.9	9.6
147.5°	22.4	21.3	20.2	18.9	17.5	16.2	14.9	13.5	12.2	10.8	9.3
150°	20.6	19.5	18.5	17.5	16.5	15.2	14.0	12.7	11.5	10.2	8.9
152.5°	19.2	18.1	17.1	16.0	14.9	13.9	12.9	11.9	10.7	9.5	8.4
155°	17.8	16.8	15.8	14.8	13.8	12.7	11.7	10.7	9.7	8.7	7.6
157.5°	16.1	15.3	14.5	13.6	12.6	11.7	10.8	9.8	8.8	7.9	6.9
160°	14.2	13.5	12.8	12.1	11.4	10.6	9.8	8.9	8.0	7.2	6.3
162.5°	12.3	11.8	11.2	10.5	9.9	9.2	8.5	7.8	7.1	6.3	5.6
165°	10.8	10.2	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.4	4.7
167.5°	9.0	8.6	8.2	7.7	7.2	6.6	6.1	5.6	5.0	4.5	3.9
170°	7.2	6.9	6.5	6.1	5.7	5.4	4.9	4.5	4.1	3.7	3.2
172.5°	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.4
175°	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.2	2.0	1.8	1.6
177.5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.5
5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
7.5°	2.1	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
10°	2.8	2.3	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
12.5°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
15°	4.1	3.4	2.7	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.7
17.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
20°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
22.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
25°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
27.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
30°	7.7	6.4	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
32.5°	7.9	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
35°	8.2	6.8	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
37.5°	8.6	7.1	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
40°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
42.5°	9.3	7.8	6.2	4.7	3.1	1.5	0.0	1.5	3.1	4.7	6.2
45°	9.7	8.0	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
47.5°	10.0	8.3	6.6	5.0	3.3	1.6	0.0	1.6	3.3	5.0	6.6
50°	10.3	8.6	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
52.5°	10.6	8.8	7.0	5.2	3.5	1.7	0.0	1.7	3.5	5.2	7.0
55°	10.9	9.0	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
57.5°	11.1	9.1	7.1	5.2	3.4	1.7	0.0	1.7	3.4	5.2	7.1
60°	10.7	8.7	6.9	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.9
62.5°	10.4	8.8	6.8	4.9	3.2	1.5	0.0	1.5	3.2	4.9	6.8
65°	9.9	8.0	6.1	4.4	2.8	1.3	0.0	1.3	2.8	4.4	6.1
67.5°	9.0	7.1	5.5	4.1	2.9	1.8	0.8	1.8	2.9	4.1	5.5
70°	8.2	6.5	5.1	4.0	2.8	1.8	0.8	1.8	2.8	4.0	5.1
72.5°	7.5	6.0	4.7	3.7	2.6	1.7	0.8	1.7	2.6	3.7	4.7
75°	7.0	5.3	3.9	3.0	2.3	1.5	0.8	1.5	2.3	3.0	3.9
77.5°	6.0	4.1	2.9	2.0	0.9	0.2	0.0	0.2	0.9	2.0	2.9
80°	4.8	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
82.5°	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.8	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
102.5°	6.0	4.1	2.9	2.0	0.9	0.2	0.0	0.2	0.9	2.0	2.9
105°	7.0	5.3	3.9	3.0	2.3	1.5	0.8	1.5	2.3	3.0	3.9
107.5°	7.5	6.0	4.7	3.7	2.6	1.7	0.8	1.7	2.6	3.7	4.7
110°	8.2	6.5	5.1	4.0	2.8	1.8	0.8	1.8	2.8	4.0	5.1



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	9.0	7.1	5.5	4.1	2.9	1.8	0.8	1.8	2.9	4.1	5.5
115°	9.9	8.0	6.1	4.4	2.8	1.3	0.0	1.3	2.8	4.4	6.1
117.5°	10.4	8.8	6.8	4.9	3.2	1.5	0.0	1.5	3.2	4.9	6.8
120°	10.7	8.7	6.9	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.9
122.5°	11.1	9.1	7.1	5.2	3.4	1.7	0.0	1.7	3.4	5.2	7.1
125°	10.9	9.0	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
127.5°	10.6	8.8	7.0	5.2	3.5	1.7	0.0	1.7	3.5	5.2	7.0
130°	10.3	8.6	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
132.5°	10.0	8.3	6.6	5.0	3.3	1.6	0.0	1.6	3.3	5.0	6.6
135°	9.7	8.0	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
137.5°	9.3	7.8	6.2	4.7	3.1	1.5	0.0	1.5	3.1	4.7	6.2
140°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
142.5°	8.6	7.1	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
145°	8.2	6.8	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
147.5°	7.9	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
150°	7.7	6.4	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
152.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
155°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
157.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
160°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
162.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
165°	4.1	3.4	2.7	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.7
167.5°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
170°	2.8	2.3	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
172.5°	2.1	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
175°	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
177.5°	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
5°	1.2	1.4	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.1	3.2
7.5°	1.7	2.1	2.4	2.7	3.1	3.4	3.7	4.0	4.3	4.6	4.9
10°	2.3	2.8	3.2	3.7	4.1	4.5	4.9	5.4	5.7	6.1	6.5
12.5°	2.8	3.4	3.9	4.5	5.0	5.6	6.1	6.6	7.2	7.7	8.2
15°	3.4	4.1	4.7	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6
17.5°	4.0	4.8	5.6	6.3	7.1	7.8	8.5	9.2	9.9	10.5	11.2
20°	4.5	5.4	6.3	7.2	8.0	8.9	9.8	10.6	11.4	12.1	12.8
22.5°	4.9	5.9	6.9	7.9	8.8	9.8	10.8	11.7	12.6	13.6	14.5
25°	5.5	6.6	7.6	8.7	9.7	10.7	11.7	12.7	13.8	14.8	15.8
27.5°	6.0	7.2	8.4	9.5	10.7	11.9	12.9	13.9	14.9	16.0	17.1
30°	6.4	7.7	8.9	10.2	11.5	12.7	14.0	15.2	16.5	17.5	18.5
32.5°	6.6	7.9	9.3	10.8	12.2	13.5	14.9	16.2	17.5	18.9	20.2
35°	6.8	8.2	9.6	10.9	12.4	14.0	15.6	17.1	18.5	20.0	21.4
37.5°	7.1	8.6	10.0	11.5	12.9	14.4	15.8	17.5	19.2	21.0	22.5
40°	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.1	19.7	21.5	23.4
42.5°	7.8	9.3	10.9	12.5	14.1	15.6	17.3	18.9	20.6	22.3	24.0
45°	8.0	9.7	11.3	13.0	14.7	16.3	18.0	19.6	21.4	23.3	25.1
47.5°	8.3	10.0	11.7	13.4	15.2	16.9	18.6	20.4	22.2	24.0	26.1
50°	8.6	10.3	12.1	13.9	15.6	17.3	19.1	21.0	23.0	24.9	26.8
52.5°	8.8	10.6	12.4	14.2	16.0	17.8	19.6	21.5	23.5	25.7	27.8
55°	9.0	10.9	12.7	14.5	16.4	18.3	20.2	22.1	24.1	26.2	28.6
57.5°	9.1	11.1	12.9	14.9	16.8	18.7	20.7	22.7	24.8	26.9	29.1
60°	8.7	10.7	12.8	14.9	17.0	19.2	21.2	23.3	25.5	27.7	30.4
62.5°	8.8	10.4	12.3	14.6	17.0	19.4	21.8	24.0	26.3	28.9	32.0
65°	8.0	9.9	11.9	14.1	16.7	19.3	22.0	24.4	26.9	29.8	33.2
67.5°	7.1	9.0	11.2	13.4	16.2	19.0	21.6	24.3	27.1	30.3	34.1
70°	6.5	8.2	10.4	12.8	15.2	18.0	20.9	23.9	27.1	30.5	34.7
72.5°	6.0	7.5	9.7	12.1	14.4	16.9	20.2	23.4	26.8	30.6	35.0
75°	5.3	7.0	8.7	11.2	13.8	16.3	19.3	22.9	26.6	30.5	35.3
77.5°	4.1	6.0	7.9	10.4	13.2	16.1	18.6	22.4	26.4	30.6	35.7
80°	3.1	4.8	7.0	9.6	12.7	15.8	18.3	21.8	26.1	30.8	36.1
82.5°	2.0	4.0	6.2	8.9	11.8	14.7	17.6	21.2	25.8	31.0	36.7
85°	0.9	3.4	5.8	8.2	11.0	13.8	16.9	20.7	25.7	31.3	37.5
87.5°	0.3	3.5	5.9	7.9	10.5	13.2	16.3	20.5	25.8	31.8	38.5
90°	0.0	4.0	6.4	8.0	10.4	12.8	16.0	20.7	26.3	32.7	39.9
92.5°	0.3	3.5	5.9	7.9	10.5	13.2	16.3	20.5	25.8	31.8	38.5
95°	0.9	3.4	5.8	8.2	11.0	13.8	16.9	20.7	25.7	31.3	37.5
97.5°	2.0	4.0	6.2	8.9	11.8	14.7	17.6	21.2	25.8	31.0	36.7
100°	3.1	4.8	7.0	9.6	12.7	15.8	18.3	21.8	26.1	30.8	36.1
102.5°	4.1	6.0	7.9	10.4	13.2	16.1	18.6	22.4	26.4	30.6	35.7
105°	5.3	7.0	8.7	11.2	13.8	16.3	19.3	22.9	26.6	30.5	35.3
107.5°	6.0	7.5	9.7	12.1	14.4	16.9	20.2	23.4	26.8	30.6	35.0
110°	6.5	8.2	10.4	12.8	15.2	18.0	20.9	23.9	27.1	30.5	34.7



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	7.1	9.0	11.2	13.4	16.2	19.0	21.6	24.3	27.1	30.3	34.1
115°	8.0	9.9	11.9	14.1	16.7	19.3	22.0	24.4	26.9	29.8	33.2
117.5°	8.8	10.4	12.3	14.6	17.0	19.4	21.8	24.0	26.3	28.9	32.0
120°	8.7	10.7	12.8	14.9	17.0	19.2	21.2	23.3	25.5	27.7	30.4
122.5°	9.1	11.1	12.9	14.9	16.8	18.7	20.7	22.7	24.8	26.9	29.1
125°	9.0	10.9	12.7	14.5	16.4	18.3	20.2	22.1	24.1	26.2	28.6
127.5°	8.8	10.6	12.4	14.2	16.0	17.8	19.6	21.5	23.5	25.7	27.8
130°	8.6	10.3	12.1	13.9	15.6	17.3	19.1	21.0	23.0	24.9	26.8
132.5°	8.3	10.0	11.7	13.4	15.2	16.9	18.6	20.4	22.2	24.0	26.1
135°	8.0	9.7	11.3	13.0	14.7	16.3	18.0	19.6	21.4	23.3	25.1
137.5°	7.8	9.3	10.9	12.5	14.1	15.6	17.3	18.9	20.6	22.3	24.0
140°	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.1	19.7	21.5	23.4
142.5°	7.1	8.6	10.0	11.5	12.9	14.4	15.8	17.5	19.2	21.0	22.5
145°	6.8	8.2	9.6	10.9	12.4	14.0	15.6	17.1	18.5	20.0	21.4
147.5°	6.6	7.9	9.3	10.8	12.2	13.5	14.9	16.2	17.5	18.9	20.2
150°	6.4	7.7	8.9	10.2	11.5	12.7	14.0	15.2	16.5	17.5	18.5
152.5°	6.0	7.2	8.4	9.5	10.7	11.9	12.9	13.9	14.9	16.0	17.1
155°	5.5	6.6	7.6	8.7	9.7	10.7	11.7	12.7	13.8	14.8	15.8
157.5°	4.9	5.9	6.9	7.9	8.8	9.8	10.8	11.7	12.6	13.6	14.5
160°	4.5	5.4	6.3	7.2	8.0	8.9	9.8	10.6	11.4	12.1	12.8
162.5°	4.0	4.8	5.6	6.3	7.1	7.8	8.5	9.2	9.9	10.5	11.2
165°	3.4	4.1	4.7	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6
167.5°	2.8	3.4	3.9	4.5	5.0	5.6	6.1	6.6	7.2	7.7	8.2
170°	2.3	2.8	3.2	3.7	4.1	4.5	4.9	5.4	5.7	6.1	6.5
172.5°	1.7	2.1	2.4	2.7	3.1	3.4	3.7	4.0	4.3	4.6	4.9
175°	1.2	1.4	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.1	3.2
177.5°	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5
5°	3.4	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.6	4.7	4.8
7.5°	5.1	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.2
10°	6.9	7.2	7.5	7.9	8.2	8.5	8.7	9.0	9.2	9.4	9.6
12.5°	8.6	9.0	9.5	9.9	10.2	10.6	10.9	11.2	11.5	11.8	12.1
15°	10.2	10.8	11.3	11.9	12.3	12.7	13.1	13.5	13.9	14.2	14.5
17.5°	11.8	12.3	12.9	13.6	14.2	14.8	15.4	15.8	16.2	16.6	16.9
20°	13.5	14.2	14.8	15.4	16.0	16.6	17.3	18.0	18.6	19.0	19.4
22.5°	15.3	16.1	16.8	17.4	18.1	18.7	19.2	19.9	20.7	21.4	21.9
25°	16.8	17.8	18.7	19.5	20.2	20.8	21.5	22.0	22.7	23.5	25.1
27.5°	18.1	19.2	20.3	21.4	22.3	23.0	24.4	25.9	27.5	29.3	31.6
30°	19.5	20.6	21.8	23.2	24.8	26.6	28.4	30.3	32.3	34.6	37.1
32.5°	21.3	22.4	23.7	25.4	27.2	29.2	31.5	33.8	36.3	39.1	42.1
35°	22.9	24.4	25.7	27.2	29.1	31.2	33.7	36.5	39.5	42.8	46.4
37.5°	24.0	25.7	27.4	29.1	30.8	32.9	35.5	38.6	42.0	45.9	50.0
40°	25.1	26.8	28.6	30.5	32.5	34.5	37.1	40.1	44.0	48.3	53.1
42.5°	26.0	27.9	29.7	31.6	33.8	36.1	38.5	41.8	45.5	50.3	55.7
45°	26.9	28.8	30.8	32.8	35.0	37.4	40.1	43.1	47.0	51.9	57.7
47.5°	28.1	29.9	31.9	33.9	36.1	38.6	41.4	44.6	48.5	53.2	59.6
50°	29.0	31.2	33.2	35.2	37.3	39.7	42.7	46.2	51.0	56.4	62.4
52.5°	29.8	32.2	34.5	36.6	38.6	42.6	46.9	51.7	56.5	61.3	66.1
55°	30.9	33.1	36.0	39.8	43.6	47.8	52.4	57.3	62.2	66.8	70.8
57.5°	32.0	35.3	39.3	43.9	48.3	52.9	57.8	62.9	68.1	72.8	76.3
60°	33.9	38.0	42.2	47.3	52.5	57.7	63.1	68.5	74.0	78.9	82.4
62.5°	35.5	40.0	44.8	50.2	56.3	62.1	68.2	74.1	79.9	85.1	88.9
65°	37.1	41.6	47.0	52.8	59.5	66.2	72.9	79.6	85.8	91.6	95.9
67.5°	38.3	43.1	48.8	55.2	62.4	70.1	77.5	85.0	91.8	97.9	102.4
70°	39.3	44.5	50.5	57.4	65.1	73.8	81.9	90.3	97.6	103.8	107.3
72.5°	40.2	45.7	52.0	59.4	67.7	76.5	84.5	92.2	98.7	103.8	106.9
75°	40.9	46.9	53.6	61.1	69.2	77.7	85.7	93.2	99.6	104.2	106.8
77.5°	41.6	48.0	55.0	62.8	71.0	79.3	87.2	94.6	100.8	104.9	106.9
80°	42.4	49.3	56.6	64.7	73.1	81.2	89.0	96.2	102.3	106.0	107.2
82.5°	43.4	50.7	58.4	66.8	75.5	83.6	91.1	98.2	104.0	107.3	107.7
85°	44.6	52.4	60.4	69.2	78.2	86.3	93.5	100.3	105.9	108.7	108.2
87.5°	46.0	54.3	62.7	71.9	81.2	89.3	96.1	102.7	108.0	110.2	108.8
90°	47.9	56.6	65.4	75.0	84.5	92.5	98.9	105.3	110.1	111.7	109.3
92.5°	46.0	54.3	62.7	71.9	81.2	89.3	96.1	102.7	108.0	110.2	108.8
95°	44.6	52.4	60.4	69.2	78.2	86.3	93.5	100.3	105.9	108.7	108.2
97.5°	43.4	50.7	58.4	66.8	75.5	83.6	91.1	98.2	104.0	107.3	107.7
100°	42.4	49.3	56.6	64.7	73.1	81.2	89.0	96.2	102.3	106.0	107.2
102.5°	41.6	48.0	55.0	62.8	71.0	79.3	87.2	94.6	100.8	104.9	106.9
105°	40.9	46.9	53.6	61.1	69.2	77.7	85.7	93.2	99.6	104.2	106.8
107.5°	40.2	45.7	52.0	59.4	67.7	76.5	84.5	92.2	98.7	103.8	106.9
110°	39.3	44.5	50.5	57.4	65.1	73.8	81.9	90.3	97.6	103.8	107.3



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	38.3	43.1	48.8	55.2	62.4	70.1	77.5	85.0	91.8	97.9	102.4
115°	37.1	41.6	47.0	52.8	59.5	66.2	72.9	79.6	85.8	91.6	95.9
117.5°	35.5	40.0	44.8	50.2	56.3	62.1	68.2	74.1	79.9	85.1	88.9
120°	33.9	38.0	42.2	47.3	52.5	57.7	63.1	68.5	74.0	78.9	82.4
122.5°	32.0	35.3	39.3	43.9	48.3	52.9	57.8	62.9	68.1	72.8	76.3
125°	30.9	33.1	36.0	39.8	43.6	47.8	52.4	57.3	62.2	66.8	70.8
127.5°	29.8	32.2	34.5	36.6	38.6	42.6	46.9	51.7	56.5	61.3	66.1
130°	29.0	31.2	33.2	35.2	37.3	39.7	42.7	46.2	51.0	56.4	62.4
132.5°	28.1	29.9	31.9	33.9	36.1	38.6	41.4	44.6	48.5	53.2	59.6
135°	26.9	28.8	30.8	32.8	35.0	37.4	40.1	43.1	47.0	51.9	57.7
137.5°	26.0	27.9	29.7	31.6	33.8	36.1	38.5	41.8	45.5	50.3	55.7
140°	25.1	26.8	28.6	30.5	32.5	34.5	37.1	40.1	44.0	48.3	53.1
142.5°	24.0	25.7	27.4	29.1	30.8	32.9	35.5	38.6	42.0	45.9	50.0
145°	22.9	24.4	25.7	27.2	29.1	31.2	33.7	36.5	39.5	42.8	46.4
147.5°	21.3	22.4	23.7	25.4	27.2	29.2	31.5	33.8	36.3	39.1	42.1
150°	19.5	20.6	21.8	23.2	24.8	26.6	28.4	30.3	32.3	34.6	37.1
152.5°	18.1	19.2	20.3	21.4	22.3	23.0	24.4	25.9	27.5	29.3	31.6
155°	16.8	17.8	18.7	19.5	20.2	20.8	21.5	22.0	22.7	23.5	25.1
157.5°	15.3	16.1	16.8	17.4	18.1	18.7	19.2	19.9	20.7	21.4	21.9
160°	13.5	14.2	14.8	15.4	16.0	16.6	17.3	18.0	18.6	19.0	19.4
162.5°	11.8	12.3	12.9	13.6	14.2	14.8	15.4	15.8	16.2	16.6	16.9
165°	10.2	10.8	11.3	11.9	12.3	12.7	13.1	13.5	13.9	14.2	14.5
167.5°	8.6	9.0	9.5	9.9	10.2	10.6	10.9	11.2	11.5	11.8	12.1
170°	6.9	7.2	7.5	7.9	8.2	8.5	8.7	9.0	9.2	9.4	9.6
172.5°	5.1	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.2
175°	3.4	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.6	4.7	4.8
177.5°	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	3.1
5°	4.9	5.0	5.1	5.2	5.3	5.3	5.4	5.4	5.5	5.5	6.2
7.5°	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.1	8.2	8.2	9.2
10°	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.9	11.0	12.3
12.5°	12.3	12.5	12.7	12.8	13.0	13.1	13.3	13.5	13.6	13.7	15.3
15°	14.8	15.0	15.2	15.4	15.6	15.7	15.9	16.1	16.3	16.5	18.4
17.5°	17.3	17.5	17.8	18.0	18.2	18.3	18.5	18.8	19.0	19.2	21.4
20°	19.7	20.1	20.3	20.6	20.8	20.9	21.1	21.4	21.7	22.0	24.4
22.5°	22.2	22.6	22.9	23.2	23.4	23.6	23.7	24.0	24.4	24.7	27.4
25°	26.6	27.9	29.1	30.1	31.0	31.6	32.0	32.4	32.8	33.0	35.8
27.5°	33.9	35.7	37.5	38.8	39.8	40.5	40.8	41.0	41.2	41.4	44.2
30°	40.1	43.1	45.3	47.5	48.5	49.4	49.6	49.6	49.8	49.7	52.6
32.5°	45.6	49.5	52.8	55.6	57.3	58.3	58.5	58.4	58.3	58.0	60.9
35°	50.4	55.0	59.9	63.2	66.0	67.1	67.5	67.2	66.8	66.4	69.1
37.5°	54.7	60.0	65.8	70.6	74.8	75.9	76.5	76.0	75.4	74.7	77.4
40°	58.5	64.4	71.2	77.6	82.4	84.7	85.6	84.9	84.0	83.0	85.6
42.5°	61.6	68.5	76.0	84.6	89.9	93.5	94.7	93.8	92.7	91.4	93.7
45°	64.5	72.1	80.4	89.9	97.2	102.3	103.5	102.7	101.3	99.7	101.9
47.5°	66.9	74.5	82.6	91.6	99.3	105.0	106.5	107.2	107.8	108.6	113.3
50°	68.9	75.7	83.1	91.3	99.4	106.0	108.7	111.2	114.0	117.4	125.0
52.5°	71.7	77.8	84.2	91.4	99.5	106.5	110.6	114.8	120.1	126.3	136.9
55°	75.5	80.5	85.9	91.9	99.6	107.0	112.5	118.2	126.0	135.1	148.9
57.5°	79.9	83.9	88.0	93.0	99.9	107.6	114.1	121.3	131.7	144.0	161.1
60°	84.8	87.8	90.9	94.7	100.6	108.1	115.7	124.2	137.4	152.8	173.4
62.5°	90.3	92.2	94.2	96.8	101.5	108.7	117.1	126.9	142.9	161.7	185.9
65°	96.3	97.2	97.9	99.3	102.7	109.3	118.4	129.4	148.3	170.5	198.4
67.5°	102.8	102.5	102.1	102.1	104.1	109.9	119.6	131.8	153.6	179.4	211.0
70°	106.9	104.9	103.2	102.2	103.4	108.7	118.6	130.5	152.0	177.8	209.9
72.5°	106.7	104.3	102.4	101.1	102.3	107.2	117.4	129.1	150.5	176.2	208.6
75°	106.5	103.8	101.6	100.1	101.3	105.8	116.3	127.8	149.0	174.6	208.4
77.5°	106.2	103.3	100.8	99.0	100.2	104.5	115.2	126.6	147.5	173.0	206.6
80°	106.0	102.8	100.0	97.8	99.3	103.2	114.2	125.5	146.2	171.5	204.9
82.5°	105.7	102.3	99.1	96.7	98.3	102.0	113.3	124.5	144.9	169.9	203.1
85°	105.3	101.7	98.3	95.6	97.4	100.9	112.4	123.6	143.6	168.3	201.3
87.5°	104.9	101.1	97.4	94.4	96.5	99.8	111.6	122.8	142.4	166.7	199.6
90°	104.5	100.5	96.5	93.3	95.7	98.9	110.9	122.0	141.2	165.1	197.8
92.5°	104.9	101.1	97.4	94.4	96.5	99.8	111.6	122.8	142.4	166.7	199.6
95°	105.3	101.7	98.3	95.6	97.4	100.9	112.4	123.6	143.6	168.3	201.3
97.5°	105.7	102.3	99.1	96.7	98.3	102.0	113.3	124.5	144.9	169.9	203.1
100°	106.0	102.8	100.0	97.8	99.3	103.2	114.2	125.5	146.2	171.5	204.9
102.5°	106.2	103.3	100.8	99.0	100.2	104.5	115.2	126.6	147.5	173.0	206.6
105°	106.5	103.8	101.6	100.1	101.3	105.8	116.3	127.8	149.0	174.6	208.4
107.5°	106.7	104.3	102.4	101.1	102.3	107.2	117.4	129.1	150.5	176.2	208.6
110°	106.9	104.9	103.2	102.2	103.4	108.7	118.6	130.5	152.0	177.8	209.9





TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	102.8	102.5	102.1	102.1	104.1	109.9	119.6	131.8	153.6	179.4	211.0
115°	96.3	97.2	97.9	99.3	102.7	109.3	118.4	129.4	148.3	170.5	198.4
117.5°	90.3	92.2	94.2	96.8	101.5	108.7	117.1	126.9	142.9	161.7	185.9
120°	84.8	87.8	90.9	94.7	100.6	108.1	115.7	124.2	137.4	152.8	173.4
122.5°	79.9	83.9	88.0	93.0	99.9	107.6	114.1	121.3	131.7	144.0	161.1
125°	75.5	80.5	85.9	91.9	99.6	107.0	112.5	118.2	126.0	135.1	148.9
127.5°	71.7	77.8	84.2	91.4	99.5	106.5	110.6	114.8	120.1	126.3	136.9
130°	68.9	75.7	83.1	91.3	99.4	106.0	108.7	111.2	114.0	117.4	125.0
132.5°	66.9	74.5	82.6	91.6	99.3	105.0	106.5	107.2	107.8	108.6	113.3
135°	64.5	72.1	80.4	89.9	97.2	102.3	103.5	102.7	101.3	99.7	101.9
137.5°	61.6	68.5	76.0	84.6	89.9	93.5	94.7	93.8	92.7	91.4	93.7
140°	58.5	64.4	71.2	77.6	82.4	84.7	85.6	84.9	84.0	83.0	85.6
142.5°	54.7	60.0	65.8	70.6	74.8	75.9	76.5	76.0	75.4	74.7	77.4
145°	50.4	55.0	59.9	63.2	66.0	67.1	67.5	67.2	66.8	66.4	69.1
147.5°	45.6	49.5	52.8	55.6	57.3	58.3	58.5	58.4	58.3	58.0	60.9
150°	40.1	43.1	45.3	47.5	48.5	49.4	49.6	49.6	49.8	49.7	52.6
152.5°	33.9	35.7	37.5	38.8	39.8	40.5	40.8	41.0	41.2	41.4	44.2
155°	26.6	27.9	29.1	30.1	31.0	31.6	32.0	32.4	32.8	33.0	35.8
157.5°	22.2	22.6	22.9	23.2	23.4	23.6	23.7	24.0	24.4	24.7	27.4
160°	19.7	20.1	20.3	20.6	20.8	20.9	21.1	21.4	21.7	22.0	24.4
162.5°	17.3	17.5	17.8	18.0	18.2	18.3	18.5	18.8	19.0	19.2	21.4
165°	14.8	15.0	15.2	15.4	15.6	15.7	15.9	16.1	16.3	16.5	18.4
167.5°	12.3	12.5	12.7	12.8	13.0	13.1	13.3	13.5	13.6	13.7	15.3
170°	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.9	11.0	12.3
172.5°	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.1	8.2	8.2	9.2
175°	4.9	5.0	5.1	5.2	5.3	5.3	5.4	5.4	5.5	5.5	6.2
177.5°	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	3.1
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: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.4	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.8	6.1	6.3
5°	6.8	7.5	8.1	8.7	9.4	9.9	10.5	11.1	11.6	12.1	12.6
7.5°	10.2	11.2	12.1	13.1	14.0	14.8	15.8	17.1	18.3	19.5	20.7
10°	13.6	14.9	16.1	17.3	18.6	20.4	22.2	23.9	25.6	27.2	28.9
12.5°	16.9	18.5	20.0	21.8	24.1	26.4	28.6	30.7	32.8	34.9	36.9
15°	20.3	22.1	24.0	26.8	29.6	32.2	34.8	37.4	39.9	42.4	45.1
17.5°	23.6	25.7	28.6	31.8	34.9	38.0	41.0	43.9	46.7	49.5	52.1
20°	26.9	29.3	33.0	36.7	40.2	43.5	46.8	50.0	53.2	56.2	59.2
22.5°	30.1	33.3	37.4	41.5	45.2	48.8	52.4	55.9	59.4	62.7	65.6
25°	38.5	42.1	46.1	50.0	53.4	56.8	60.0	63.1	65.9	68.2	71.3
27.5°	46.9	51.0	55.3	59.2	62.8	66.3	69.6	72.7	75.2	77.5	79.7
30°	55.3	59.8	64.3	68.2	72.2	75.5	78.9	81.6	84.2	86.5	88.7
32.5°	63.8	68.5	73.0	77.1	80.9	84.4	87.6	90.2	92.7	95.0	97.8
35°	72.3	77.1	81.6	85.8	89.5	93.3	95.8	98.5	100.9	103.4	106.7
37.5°	80.8	85.5	90.0	94.3	97.9	101.1	103.9	106.3	108.8	111.7	115.3
40°	89.1	93.9	98.4	102.5	106.0	108.9	111.5	113.8	116.3	119.3	124.8
42.5°	97.4	102.1	106.6	110.5	113.8	116.5	118.8	121.0	123.5	127.5	133.4
45°	105.5	110.2	114.7	118.2	121.3	123.8	125.9	127.9	130.1	135.4	142.1
47.5°	119.9	126.6	132.0	134.2	135.3	135.9	135.9	135.4	137.3	142.9	150.5
50°	134.9	144.3	151.3	153.0	153.6	153.8	153.9	153.3	154.7	157.9	162.6
52.5°	150.3	162.4	170.3	171.8	171.5	171.7	171.8	171.3	173.2	177.3	182.5
55°	166.1	180.8	189.2	190.2	189.1	189.7	189.6	189.8	191.7	196.2	201.2
57.5°	182.2	199.4	208.0	208.3	206.7	207.7	207.3	207.8	210.4	214.5	218.8
60°	198.6	218.4	226.6	226.2	224.5	225.7	224.9	225.6	228.6	231.9	235.1
62.5°	215.2	237.5	245.2	243.9	242.3	243.3	242.5	243.1	246.3	248.3	250.5
65°	232.1	256.8	263.8	261.4	260.2	260.9	260.2	260.7	263.6	263.9	264.8
67.5°	249.1	276.2	282.2	278.8	278.0	278.5	277.7	278.2	279.8	278.7	278.1
70°	249.3	279.3	288.8	288.6	289.3	290.0	290.0	291.5	293.0	292.2	290.6
72.5°	248.9	281.2	294.2	297.0	297.9	297.8	297.3	298.0	297.6	295.7	294.6
75°	248.3	283.1	300.1	305.8	306.2	305.6	304.5	304.1	301.9	298.9	297.7
77.5°	247.6	285.0	306.4	314.9	314.4	313.3	311.6	309.8	306.0	301.9	300.9
80°	248.0	286.9	312.9	324.2	322.4	321.0	318.5	315.2	309.9	304.7	304.2
82.5°	246.4	289.7	320.6	333.7	330.4	328.7	325.4	320.4	313.7	307.4	307.5
85°	244.8	290.7	326.7	343.6	338.1	336.3	332.2	325.2	317.5	310.1	310.8
87.5°	243.2	291.7	332.8	352.8	346.1	344.0	339.1	330.5	321.3	312.8	314.1
90°	241.6	292.7	338.9	362.1	354.1	351.7	346.1	335.8	325.4	315.8	317.4
92.5°	243.2	291.7	332.8	352.8	346.1	344.0	339.1	330.5	321.3	312.8	314.1
95°	244.8	290.7	326.7	343.6	338.1	336.3	332.2	325.2	317.5	310.1	310.8
97.5°	246.4	289.7	320.6	333.7	330.4	328.7	325.4	320.4	313.7	307.4	307.5
100°	248.0	286.9	312.9	324.2	322.4	321.0	318.5	315.2	309.9	304.7	304.2
102.5°	247.6	285.0	306.4	314.9	314.4	313.3	311.6	309.8	306.0	301.9	300.9
105°	248.3	283.1	300.1	305.8	306.2	305.6	304.5	304.1	301.9	298.9	297.7
107.5°	248.9	281.2	294.2	297.0	297.9	297.8	297.3	298.0	297.6	295.7	294.6
110°	249.3	279.3	288.8	288.6	289.3	290.0	290.0	291.5	293.0	292.2	290.6



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	249.1	276.2	282.2	278.8	278.0	278.5	277.7	278.2	279.8	278.7	278.1
115°	232.1	256.8	263.8	261.4	260.2	260.9	260.2	260.7	263.6	263.9	264.8
117.5°	215.2	237.5	245.2	243.9	242.3	243.3	242.5	243.1	246.3	248.3	250.5
120°	198.6	218.4	226.6	226.2	224.5	225.7	224.9	225.6	228.6	231.9	235.1
122.5°	182.2	199.4	208.0	208.3	206.7	207.7	207.3	207.8	210.4	214.5	218.8
125°	166.1	180.8	189.2	190.2	189.1	189.7	189.6	189.8	191.7	196.2	201.2
127.5°	150.3	162.4	170.3	171.8	171.5	171.7	171.8	171.3	173.2	177.3	182.5
130°	134.9	144.3	151.3	153.0	153.6	153.8	153.9	153.3	154.7	157.9	162.6
132.5°	119.9	126.6	132.0	134.2	135.3	135.9	135.9	135.4	137.3	142.9	150.5
135°	105.5	110.2	114.7	118.2	121.3	123.8	125.9	127.9	130.1	135.4	142.1
137.5°	97.4	102.1	106.6	110.5	113.8	116.5	118.8	121.0	123.5	127.5	133.4
140°	89.1	93.9	98.4	102.5	106.0	108.9	111.5	113.8	116.3	119.3	124.8
142.5°	80.8	85.5	90.0	94.3	97.9	101.1	103.9	106.3	108.8	111.7	115.3
145°	72.3	77.1	81.6	85.8	89.5	93.3	95.8	98.5	100.9	103.4	106.7
147.5°	63.8	68.5	73.0	77.1	80.9	84.4	87.6	90.2	92.7	95.0	97.8
150°	55.3	59.8	64.3	68.2	72.2	75.5	78.9	81.6	84.2	86.5	88.7
152.5°	46.9	51.0	55.3	59.2	62.8	66.3	69.6	72.7	75.2	77.5	79.7
155°	38.5	42.1	46.1	50.0	53.4	56.8	60.0	63.1	65.9	68.2	71.3
157.5°	30.1	33.3	37.4	41.5	45.2	48.8	52.4	55.9	59.4	62.7	65.6
160°	26.9	29.3	33.0	36.7	40.2	43.5	46.8	50.0	53.2	56.2	59.2
162.5°	23.6	25.7	28.6	31.8	34.9	38.0	41.0	43.9	46.7	49.5	52.1
165°	20.3	22.1	24.0	26.8	29.6	32.2	34.8	37.4	39.9	42.4	45.1
167.5°	16.9	18.5	20.0	21.8	24.1	26.4	28.6	30.7	32.8	34.9	36.9
170°	13.6	14.9	16.1	17.3	18.6	20.4	22.2	23.9	25.6	27.2	28.9
172.5°	10.2	11.2	12.1	13.1	14.0	14.8	15.8	17.1	18.3	19.5	20.7
175°	6.8	7.5	8.1	8.7	9.4	9.9	10.5	11.1	11.6	12.1	12.6
177.5°	3.4	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.8	6.1	6.3
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: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.6	6.8	7.0	7.2	7.4	7.6	7.7	7.8	8.0	8.1	8.2
5°	13.3	14.1	14.8	15.4	16.0	16.6	17.2	17.7	18.2	18.6	19.0
7.5°	21.9	22.9	24.0	25.0	25.9	26.9	27.8	28.7	29.5	30.3	30.9
10°	30.4	31.9	33.4	34.9	36.2	37.5	38.8	39.9	41.0	41.9	42.8
12.5°	38.9	40.8	42.7	44.4	46.0	47.6	49.0	50.4	51.7	53.0	54.2
15°	47.0	49.2	51.3	53.4	55.3	57.2	59.0	60.7	62.4	64.0	65.6
17.5°	54.7	57.6	59.6	61.9	64.1	66.3	68.6	71.0	73.3	75.6	77.8
20°	62.0	64.6	67.2	69.8	72.6	75.4	78.2	80.9	83.3	85.5	87.6
22.5°	68.4	71.3	74.3	77.4	80.5	83.7	86.7	89.6	92.4	94.9	97.0
25°	74.3	77.5	81.0	84.5	88.3	91.9	96.0	99.7	102.8	105.6	108.0
27.5°	81.8	84.3	87.7	92.0	97.5	102.8	108.1	111.7	115.4	118.5	121.2
30°	91.6	94.9	98.7	104.4	109.9	115.5	120.9	125.5	130.0	133.8	137.2
32.5°	101.2	105.6	111.5	117.5	123.6	129.5	135.8	141.8	146.6	150.6	154.1
35°	111.1	117.1	123.4	130.0	136.7	143.9	150.8	157.0	162.7	168.1	173.1
37.5°	121.5	127.9	135.0	142.4	150.3	157.8	164.8	171.7	179.0	186.5	193.7
40°	131.1	138.5	146.4	154.9	163.2	171.1	179.4	187.8	196.5	205.5	215.1
42.5°	140.8	148.8	157.9	167.0	175.8	185.3	194.8	204.7	215.4	226.3	238.3
45°	150.0	159.4	169.1	178.8	189.3	199.9	210.5	221.4	233.9	247.5	263.2
47.5°	159.5	169.6	180.1	191.3	203.0	214.0	225.5	238.3	253.3	269.9	292.1
50°	169.5	179.8	191.2	204.1	215.7	227.2	240.0	255.4	273.6	297.8	324.4
52.5°	188.8	196.3	205.8	215.9	227.9	239.6	254.5	272.9	298.1	327.0	359.7
55°	207.0	214.2	224.1	231.9	241.0	251.8	268.7	293.7	323.2	357.5	399.4
57.5°	223.8	230.8	238.6	246.6	255.8	269.6	289.0	314.4	349.3	392.5	439.8
60°	239.4	245.5	252.2	260.3	271.2	286.7	310.7	342.3	380.9	426.7	479.9
62.5°	253.8	258.6	264.7	272.8	285.7	305.8	333.7	369.1	414.2	465.1	524.2
65°	266.8	270.7	276.6	285.6	299.7	322.5	355.6	397.3	446.5	503.2	571.5
67.5°	278.5	281.7	287.5	297.5	314.6	340.9	376.9	421.5	476.0	542.6	615.2
70°	289.5	291.9	297.4	308.2	327.4	357.7	397.1	446.3	506.1	576.5	654.4
72.5°	295.7	300.1	307.1	318.8	339.0	373.6	413.7	467.4	533.0	605.1	686.0
75°	300.3	306.4	315.6	330.0	353.6	387.9	430.6	486.0	554.3	626.7	712.9
77.5°	305.1	312.9	323.8	340.5	366.9	403.5	450.0	508.0	574.4	647.6	733.5
80°	310.1	319.5	331.8	350.3	378.6	417.2	466.3	525.4	591.1	668.7	757.2
82.5°	315.1	326.1	339.6	359.4	388.8	429.2	479.6	538.2	602.8	684.3	774.3
85°	320.0	332.5	347.0	367.7	397.4	439.3	489.9	546.9	609.9	694.3	784.6
87.5°	325.0	338.9	354.2	375.6	405.3	448.4	498.6	553.2	614.5	701.5	791.4
90°	329.4	344.5	360.5	382.0	410.7	453.8	502.4	553.5	611.7	697.8	785.6
92.5°	325.0	338.9	354.2	375.6	405.3	448.4	498.6	553.2	614.5	701.5	791.4
95°	320.0	332.5	347.0	367.7	397.4	439.3	489.9	546.9	609.9	694.3	784.6
97.5°	315.1	326.1	339.6	359.4	388.8	429.2	479.6	538.2	602.8	684.3	774.3
100°	310.1	319.5	331.8	350.3	378.6	417.2	466.3	525.4	591.1	668.7	757.2
102.5°	305.1	312.9	323.8	340.5	366.9	403.5	450.0	508.0	574.4	647.6	733.5
105°	300.3	306.4	315.6	330.0	353.6	387.9	430.6	486.0	554.3	626.7	712.9
107.5°	295.7	300.1	307.1	318.8	339.0	373.6	413.7	467.4	533.0	605.1	686.0
110°	289.5	291.9	297.4	308.2	327.4	357.7	397.1	446.3	506.1	576.5	654.4



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	278.5	281.7	287.5	297.5	314.6	340.9	376.9	421.5	476.0	542.6	615.2
115°	266.8	270.7	276.6	285.6	299.7	322.5	355.6	397.3	446.5	503.2	571.5
117.5°	253.8	258.6	264.7	272.8	285.7	305.8	333.7	369.1	414.2	465.1	524.2
120°	239.4	245.5	252.2	260.3	271.2	286.7	310.7	342.3	380.9	426.7	479.9
122.5°	223.8	230.8	238.6	246.6	255.8	269.6	289.0	314.4	349.3	392.5	439.8
125°	207.0	214.2	224.1	231.9	241.0	251.8	268.7	293.7	323.2	357.5	399.4
127.5°	188.8	196.3	205.8	215.9	227.9	239.6	254.5	272.9	298.1	327.0	359.7
130°	169.5	179.8	191.2	204.1	215.7	227.2	240.0	255.4	273.6	297.8	324.4
132.5°	159.5	169.6	180.1	191.3	203.0	214.0	225.5	238.3	253.3	269.9	292.1
135°	150.0	159.4	169.1	178.8	189.3	199.9	210.5	221.4	233.9	247.5	263.2
137.5°	140.8	148.8	157.9	167.0	175.8	185.3	194.8	204.7	215.4	226.3	238.3
140°	131.1	138.5	146.4	154.9	163.2	171.1	179.4	187.8	196.5	205.5	215.1
142.5°	121.5	127.9	135.0	142.4	150.3	157.8	164.8	171.7	179.0	186.5	193.7
145°	111.1	117.1	123.4	130.0	136.7	143.9	150.8	157.0	162.7	168.1	173.1
147.5°	101.2	105.6	111.5	117.5	123.6	129.5	135.8	141.8	146.6	150.6	154.1
150°	91.6	94.9	98.7	104.4	109.9	115.5	120.9	125.5	130.0	133.8	137.2
152.5°	81.8	84.3	87.7	92.0	97.5	102.8	108.1	111.7	115.4	118.5	121.2
155°	74.3	77.5	81.0	84.5	88.3	91.9	96.0	99.7	102.8	105.6	108.0
157.5°	68.4	71.3	74.3	77.4	80.5	83.7	86.7	89.6	92.4	94.9	97.0
160°	62.0	64.6	67.2	69.8	72.6	75.4	78.2	80.9	83.3	85.5	87.6
162.5°	54.7	57.6	59.6	61.9	64.1	66.3	68.6	71.0	73.3	75.6	77.8
165°	47.0	49.2	51.3	53.4	55.3	57.2	59.0	60.7	62.4	64.0	65.6
167.5°	38.9	40.8	42.7	44.4	46.0	47.6	49.0	50.4	51.7	53.0	54.2
170°	30.4	31.9	33.4	34.9	36.2	37.5	38.8	39.9	41.0	41.9	42.8
172.5°	21.9	22.9	24.0	25.0	25.9	26.9	27.8	28.7	29.5	30.3	30.9
175°	13.3	14.1	14.8	15.4	16.0	16.6	17.2	17.7	18.2	18.6	19.0
177.5°	6.6	6.8	7.0	7.2	7.4	7.6	7.7	7.8	8.0	8.1	8.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.3	8.3	8.4	8.4	8.4	8.4	8.7	8.6	8.5	8.3	8.2
5°	19.3	19.6	19.9	20.1	20.2	20.4	20.4	20.5	20.8	20.6	20.4
7.5°	31.6	32.1	32.6	33.0	33.4	33.7	33.9	34.0	34.0	34.4	34.1
10°	43.6	44.3	44.9	45.5	46.0	46.3	46.6	46.8	46.9	47.3	47.0
12.5°	55.3	56.3	57.3	58.1	58.9	59.5	60.0	60.4	60.7	60.9	61.2
15°	67.3	68.9	70.5	71.9	73.2	74.4	75.4	76.3	77.0	77.6	78.4
17.5°	79.9	81.4	82.8	84.0	85.1	86.1	86.9	87.5	88.0	88.4	88.8
20°	89.5	91.1	92.2	93.0	93.6	93.9	94.0	93.8	93.5	93.0	92.5
22.5°	98.6	99.9	101.0	101.8	102.3	102.5	102.3	101.9	101.2	100.3	99.4
25°	109.9	111.4	112.4	113.3	113.7	113.6	113.2	112.3	111.1	109.7	107.9
27.5°	123.6	125.3	126.4	127.4	128.2	128.7	128.8	128.4	127.6	126.4	124.8
30°	139.6	141.9	143.8	145.3	147.5	149.4	150.7	151.6	152.0	151.8	151.0
32.5°	157.5	161.4	165.0	168.2	172.1	176.3	180.1	183.3	185.8	187.5	188.5
35°	177.9	183.8	190.2	196.3	202.4	209.0	215.0	220.3	224.8	228.3	230.8
37.5°	201.2	209.1	218.3	227.3	235.8	245.3	254.4	262.7	270.0	276.2	281.1
40°	226.0	236.6	248.7	261.1	273.3	286.8	301.1	314.0	325.5	335.2	343.1
42.5°	252.0	266.1	281.8	301.2	319.9	338.1	357.2	374.8	390.6	404.4	415.8
45°	280.3	302.2	323.7	348.1	372.3	398.0	421.4	445.8	467.9	487.5	504.0
47.5°	316.2	343.1	370.4	399.4	432.0	463.6	495.8	527.2	555.6	580.7	602.0
50°	355.1	387.2	423.7	459.2	498.6	538.7	578.8	620.5	658.1	691.2	719.1
52.5°	397.8	438.2	482.0	526.1	575.6	627.2	677.6	726.9	768.5	802.3	828.8
55°	443.7	492.4	544.7	603.9	664.3	729.5	789.1	836.4	872.5	898.7	916.1
57.5°	491.3	551.1	615.5	687.3	764.1	831.3	897.8	935.7	958.8	974.6	983.9
60°	543.0	612.2	688.9	767.7	846.8	916.1	973.3	1008.6	1019.2	1027.2	1032.3
62.5°	593.8	672.0	755.3	840.4	915.2	979.2	1020.7	1049.5	1060.7	1068.9	1073.8
65°	645.2	725.0	814.5	901.1	973.9	1028.8	1063.4	1086.5	1096.5	1103.4	1109.3
67.5°	694.0	779.6	871.1	960.3	1032.0	1077.6	1103.4	1115.2	1123.7	1133.6	1140.4
70°	738.3	830.6	925.6	1018.7	1084.6	1114.7	1131.2	1142.3	1152.4	1158.4	1165.1
72.5°	776.3	872.3	970.7	1056.5	1113.6	1140.8	1153.2	1164.2	1172.4	1177.4	1184.9
75°	806.7	905.0	1002.8	1085.1	1136.2	1158.1	1172.1	1182.1	1189.0	1196.6	1202.2
77.5°	828.2	928.4	1031.7	1111.0	1154.8	1175.5	1187.0	1193.3	1204.1	1212.3	1219.1
80°	850.6	950.3	1053.4	1135.6	1175.6	1189.5	1194.3	1205.5	1215.6	1223.5	1232.9
82.5°	869.4	972.9	1074.9	1149.2	1184.4	1194.6	1201.5	1214.1	1223.6	1240.0	1244.7
85°	880.7	986.0	1088.4	1157.9	1186.1	1196.2	1206.8	1220.7	1228.4	1240.9	1250.8
87.5°	887.9	989.6	1093.2	1162.5	1186.9	1197.7	1208.7	1222.1	1227.0	1242.2	1251.2
90°	880.5	984.1	1088.6	1161.2	1185.9	1198.7	1208.2	1220.2	1227.4	1245.7	1246.5
92.5°	887.9	989.6	1093.2	1162.5	1186.9	1197.7	1208.7	1222.1	1227.0	1242.2	1251.2
95°	880.7	986.0	1088.4	1157.9	1186.1	1196.2	1206.8	1220.7	1228.4	1240.9	1250.8
97.5°	869.4	972.9	1074.9	1149.2	1184.4	1194.6	1201.5	1214.1	1223.6	1240.0	1244.7
100°	850.6	950.3	1053.4	1135.6	1175.6	1189.5	1194.3	1205.5	1215.6	1223.5	1232.9
102.5°	828.2	928.4	1031.7	1111.0	1154.8	1175.5	1187.0	1193.3	1204.1	1212.3	1219.1
105°	806.7	905.0	1002.8	1085.1	1136.2	1158.1	1172.1	1182.1	1189.0	1196.6	1202.2
107.5°	776.3	872.3	970.7	1056.5	1113.6	1140.8	1153.2	1164.2	1172.4	1177.4	1184.9
110°	738.3	830.6	925.6	1018.7	1084.6	1114.7	1131.2	1142.3	1152.4	1158.4	1165.1



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	694.0	779.6	871.1	960.3	1032.0	1077.6	1103.4	1115.2	1123.7	1133.6	1140.4
115°	645.2	725.0	814.5	901.1	973.9	1028.8	1063.4	1086.5	1096.5	1103.4	1109.3
117.5°	593.8	672.0	755.3	840.4	915.2	979.2	1020.7	1049.5	1060.7	1068.9	1073.8
120°	543.0	612.2	688.9	767.7	846.8	916.1	973.3	1008.6	1019.2	1027.2	1032.3
122.5°	491.3	551.1	615.5	687.3	764.1	831.3	897.8	935.7	958.8	974.6	983.9
125°	443.7	492.4	544.7	603.9	664.3	729.5	789.1	836.4	872.5	898.7	916.1
127.5°	397.8	438.2	482.0	526.1	575.6	627.2	677.6	726.9	768.5	802.3	828.8
130°	355.1	387.2	423.7	459.2	498.6	538.7	578.8	620.5	658.1	691.2	719.1
132.5°	316.2	343.1	370.4	399.4	432.0	463.6	495.8	527.2	555.6	580.7	602.0
135°	280.3	302.2	323.7	348.1	372.3	398.0	421.4	445.8	467.9	487.5	504.0
137.5°	252.0	266.1	281.8	301.2	319.9	338.1	357.2	374.8	390.6	404.4	415.8
140°	226.0	236.6	248.7	261.1	273.3	286.8	301.1	314.0	325.5	335.2	343.1
142.5°	201.2	209.1	218.3	227.3	235.8	245.3	254.4	262.7	270.0	276.2	281.1
145°	177.9	183.8	190.2	196.3	202.4	209.0	215.0	220.3	224.8	228.3	230.8
147.5°	157.5	161.4	165.0	168.2	172.1	176.3	180.1	183.3	185.8	187.5	188.5
150°	139.6	141.9	143.8	145.3	147.5	149.4	150.7	151.6	152.0	151.8	151.0
152.5°	123.6	125.3	126.4	127.4	128.2	128.7	128.8	128.4	127.6	126.4	124.8
155°	109.9	111.4	112.4	113.3	113.7	113.6	113.2	112.3	111.1	109.7	107.9
157.5°	98.6	99.9	101.0	101.8	102.3	102.5	102.3	101.9	101.2	100.3	99.4
160°	89.5	91.1	92.2	93.0	93.6	93.9	94.0	93.8	93.5	93.0	92.5
162.5°	79.9	81.4	82.8	84.0	85.1	86.1	86.9	87.5	88.0	88.4	88.8
165°	67.3	68.9	70.5	71.9	73.2	74.4	75.4	76.3	77.0	77.6	78.4
167.5°	55.3	56.3	57.3	58.1	58.9	59.5	60.0	60.4	60.7	60.9	61.2
170°	43.6	44.3	44.9	45.5	46.0	46.3	46.6	46.8	46.9	47.3	47.0
172.5°	31.6	32.1	32.6	33.0	33.4	33.7	33.9	34.0	34.0	34.4	34.1
175°	19.3	19.6	19.9	20.1	20.2	20.4	20.4	20.5	20.8	20.6	20.4
177.5°	8.3	8.3	8.4	8.4	8.4	8.4	8.7	8.6	8.5	8.3	8.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	0.0	0.0
2.5°	8.1	8.0
5°	20.1	19.9
7.5°	33.8	33.5
10°	46.6	46.3
12.5°	60.9	60.6
15°	78.3	78.2
17.5°	88.7	88.5
20°	91.7	90.9
22.5°	98.0	96.5
25°	106.0	103.7
27.5°	123.0	120.4
30°	149.9	147.5
32.5°	189.0	187.4
35°	232.7	232.1
37.5°	285.4	286.3
40°	350.1	352.5
42.5°	426.2	430.7
45°	519.1	526.4
47.5°	621.6	631.6
50°	744.6	757.6
52.5°	851.4	861.3
55°	928.4	929.9
57.5°	989.3	985.7
60°	1036.0	1032.8
62.5°	1075.4	1073.5
65°	1113.1	1114.1
67.5°	1144.1	1144.4
70°	1170.7	1173.9
72.5°	1188.9	1189.9
75°	1205.0	1205.0
77.5°	1224.3	1226.6
80°	1237.8	1240.9
82.5°	1246.6	1248.1
85°	1256.3	1257.7
87.5°	1256.6	1261.7
90°	1253.7	1259.3
92.5°	1256.6	1261.7
95°	1256.3	1257.7
97.5°	1246.6	1248.1
100°	1237.8	1240.9
102.5°	1224.3	1226.6
105°	1205.0	1205.0
107.5°	1188.9	1189.9
110°	1170.7	1173.9





TEST NUMBER: P232044

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1144.1	1144.4
115°	1113.1	1114.1
117.5°	1075.4	1073.5
120°	1036.0	1032.8
122.5°	989.3	985.7
125°	928.4	929.9
127.5°	851.4	861.3
130°	744.6	757.6
132.5°	621.6	631.6
135°	519.1	526.4
137.5°	426.2	430.7
140°	350.1	352.5
142.5°	285.4	286.3
145°	232.7	232.1
147.5°	189.0	187.4
150°	149.9	147.5
152.5°	123.0	120.4
155°	106.0	103.7
157.5°	98.0	96.5
160°	91.7	90.9
162.5°	88.7	88.5
165°	78.3	78.2
167.5°	60.9	60.6
170°	46.6	46.3
172.5°	33.8	33.5
175°	20.1	19.9
177.5°	8.1	8.0
180°	0.0	0.0

(END OF REPORT)