

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: P232045

Luminaire Tested: **FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232045  
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-LD4-35-1STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 1-MODULE LED WITH PA187 LENS  
Light Source: (84) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

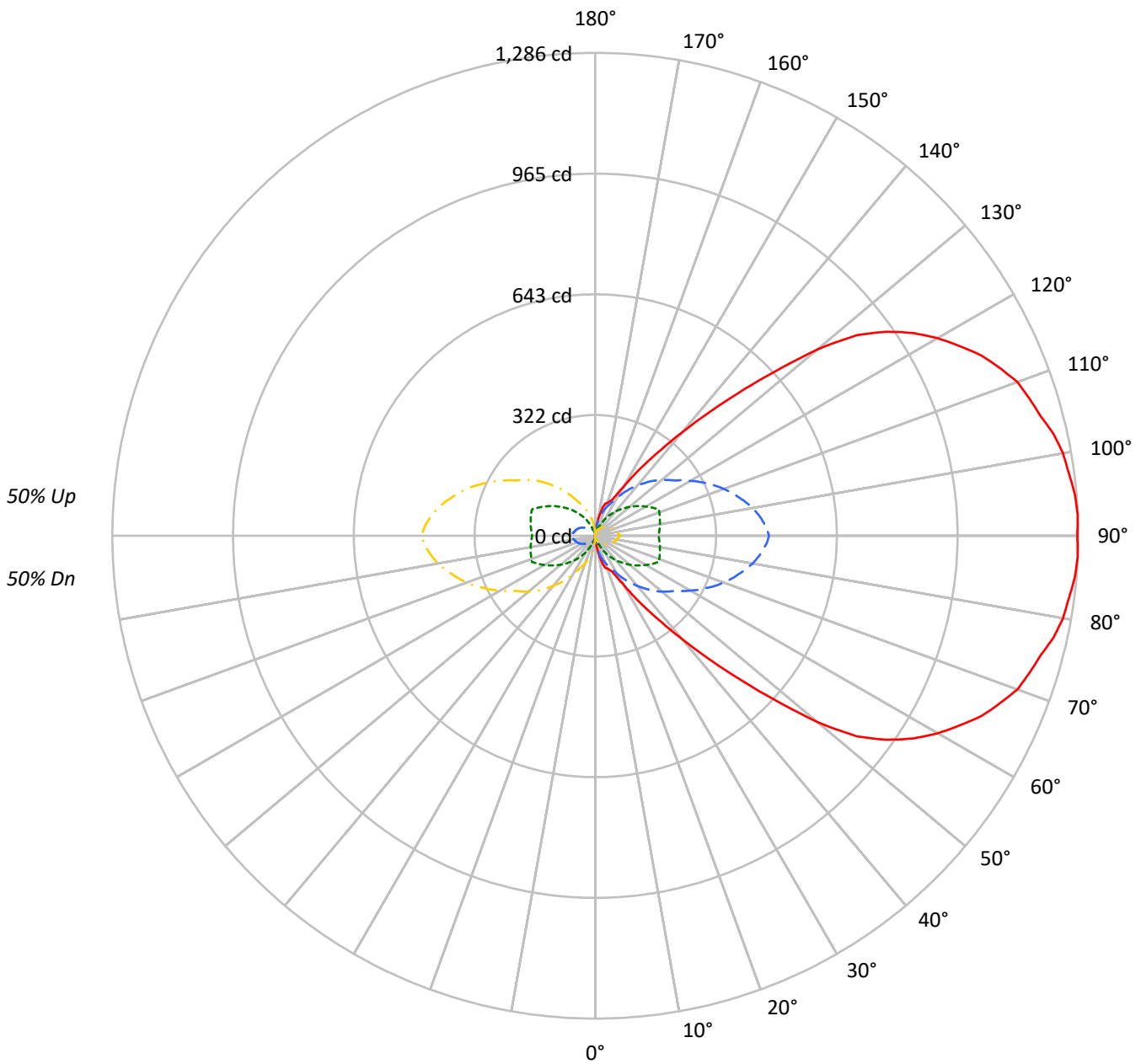
Lumens per Lamp: N/A  
Luminaire Lumens: 2952.6 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

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

TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

### Luminous Intensity Polar Plot



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



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**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°	350	110	0	110
10°	728	220	0	220
15°	1121	333	0	333
20°	1207	452	0	452
25°	1290	697	0	697
30°	1741	1085	0	1085
35°	2622	1511	0	1511
40°	3848	1994	0	1994
45°	5598	2554	0	2554
50°	7916	3248	0	3248
55°	9619	4098	0	4098
60°	10659	5170	0	5170
65°	11559	6582	0	6582
70°	12339	8056	8	8056
75°	12933	9664	8	9664
80°	13713	12317	0	12317
85°	14434	17399	0	17399



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	9.4	0.3
20°-30°	25.3	0.9
30°-40°	58.1	2.0
40°-50°	115.3	3.9
50°-60°	206.0	7.0
60°-70°	299.9	10.2
70°-80°	364.0	12.3
80°-90°	397.0	13.4
90°-100°	397.0	13.4
100°-110°	364.0	12.3
110°-120°	299.9	10.2
120°-130°	206.0	7.0
130°-140°	115.3	3.9
140°-150°	58.1	2.0
150°-160°	25.3	0.9
160°-170°	9.4	0.3
170°-180°	1.3	0.0
0°-30°	35.9	1.2
0°-40°	94.1	3.2
0°-60°	415.4	14.1
0°-90°	1476.3	50.0
90°-120°	1060.9	35.9
90°-150°	1440.4	48.8
90°-180°	1476.0	50.0
0°-180°	2952.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	20	6	0	6	20	3
15°	80	17	0	17	80	22
25°	106	34	0	34	106	53
35°	236	68	0	68	236	155
45°	536	102	0	102	536	427
55°	948	138	0	138	948	842
65°	1135	174	0	174	1135	1122
75°	1228	178	1	178	1228	1302
85°	1282	171	0	171	1282	1043
90°	1283	168	0	168	1283	704
95°	1282	171	0	171	1282	1043
105°	1228	178	1	178	1228	1302
115°	1135	174	0	174	1135	1122
125°	948	138	0	138	948	842
135°	536	102	0	102	536	427
145°	236	68	0	68	236	155
155°	106	34	0	34	106	53
165°	80	17	0	17	80	22
175°	20	6	0	6	20	3
180°	0	0	0	0	0	



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	8.1	8.2	8.3	8.5	8.6	8.7	8.8	8.5	8.5	8.5	8.5
5°	20.3	20.5	20.8	21.0	21.2	20.9	20.8	20.8	20.6	20.5	20.2
7.5°	34.1	34.4	34.7	35.0	34.7	34.6	34.5	34.3	34.0	33.6	33.2
10°	47.1	47.5	47.8	48.1	47.7	47.6	47.4	47.1	46.8	46.3	45.7
12.5°	61.8	62.1	62.4	62.1	61.9	61.6	61.2	60.6	60.0	59.2	58.4
15°	79.6	79.7	79.8	79.0	78.4	77.7	76.8	75.7	74.6	73.2	71.8
17.5°	90.2	90.4	90.5	90.0	89.7	89.2	88.5	87.7	86.7	85.6	84.3
20°	92.6	93.4	94.2	94.8	95.3	95.6	95.7	95.7	95.4	94.8	94.0
22.5°	98.3	99.8	101.3	102.2	103.1	103.8	104.2	104.4	104.2	103.7	102.9
25°	105.6	107.9	109.9	111.7	113.2	114.4	115.3	115.7	115.8	115.4	114.5
27.5°	122.7	125.3	127.2	128.8	130.0	130.8	131.2	131.1	130.7	129.7	128.8
30°	150.3	152.7	153.8	154.7	154.9	154.5	153.6	152.2	150.3	148.0	146.5
32.5°	191.0	192.6	192.1	191.1	189.3	186.8	183.5	179.7	175.4	171.4	168.1
35°	236.5	237.1	235.1	232.6	229.0	224.5	219.1	213.0	206.3	200.1	193.8
37.5°	291.7	290.8	286.4	281.5	275.1	267.7	259.2	249.9	240.3	231.6	222.5
40°	359.2	356.8	349.6	341.6	331.7	320.0	306.8	292.2	278.5	266.1	253.4
42.5°	438.8	434.3	423.7	412.0	398.0	381.9	363.9	344.5	326.0	307.0	287.2
45°	536.3	528.9	513.5	496.7	476.8	454.2	429.3	405.6	379.3	354.6	329.9
47.5°	643.6	633.4	613.4	591.7	566.1	537.1	505.2	472.3	440.1	407.0	377.4
50°	772.0	758.8	732.8	704.3	670.7	632.3	589.8	548.9	508.0	467.8	431.7
52.5°	877.7	867.6	844.6	817.6	783.1	740.8	690.5	639.1	586.5	536.1	491.1
55°	947.5	946.0	933.4	915.7	889.1	852.3	804.1	743.4	677.0	615.4	555.1
57.5°	1004.4	1008.1	1002.5	993.1	977.0	953.5	914.9	847.2	778.6	700.3	627.2
60°	1052.4	1055.7	1051.9	1046.7	1038.6	1027.7	991.8	933.6	862.9	782.3	702.0
62.5°	1093.8	1095.7	1094.1	1089.1	1080.8	1069.4	1040.0	997.8	932.6	856.4	769.6
65°	1135.3	1134.3	1130.3	1124.4	1117.3	1107.1	1083.6	1048.3	992.4	918.2	830.0
67.5°	1166.1	1165.8	1162.1	1155.1	1145.0	1136.4	1124.3	1098.0	1051.6	978.5	887.7
70°	1196.2	1192.9	1187.2	1180.3	1174.3	1164.0	1152.6	1135.8	1105.2	1038.1	943.2
72.5°	1212.5	1211.5	1207.4	1199.7	1194.6	1186.3	1175.1	1162.4	1134.7	1076.5	989.1
75°	1227.9	1227.9	1225.0	1219.3	1211.5	1204.5	1194.3	1180.1	1157.7	1105.7	1021.9
77.5°	1249.8	1247.5	1242.2	1235.3	1226.9	1215.9	1209.5	1197.8	1176.7	1132.0	1051.3
80°	1264.5	1261.3	1256.3	1246.7	1238.7	1228.3	1216.9	1212.0	1197.9	1157.1	1073.4
82.5°	1271.8	1270.3	1268.4	1263.5	1246.8	1237.1	1224.3	1217.3	1206.9	1171.0	1095.3
85°	1281.5	1280.1	1274.5	1264.4	1251.7	1243.8	1229.7	1218.9	1208.6	1179.9	1109.1
87.5°	1285.6	1280.4	1274.9	1265.7	1250.3	1245.3	1231.6	1220.4	1209.4	1184.6	1114.0
90°	1283.2	1277.5	1270.2	1269.3	1250.7	1243.3	1231.2	1221.4	1208.4	1183.2	1109.3
92.5°	1285.6	1280.4	1274.9	1265.7	1250.3	1245.3	1231.6	1220.4	1209.4	1184.6	1114.0
95°	1281.5	1280.1	1274.5	1264.4	1251.7	1243.8	1229.7	1218.9	1208.6	1179.9	1109.1
97.5°	1271.8	1270.3	1268.4	1263.5	1246.8	1237.1	1224.3	1217.3	1206.9	1171.0	1095.3
100°	1264.5	1261.3	1256.3	1246.7	1238.7	1228.3	1216.9	1212.0	1197.9	1157.1	1073.4
102.5°	1249.8	1247.5	1242.2	1235.3	1226.9	1215.9	1209.5	1197.8	1176.7	1132.0	1051.3
105°	1227.9	1227.9	1225.0	1219.3	1211.5	1204.5	1194.3	1180.1	1157.7	1105.7	1021.9
107.5°	1212.5	1211.5	1207.4	1199.7	1194.6	1186.3	1175.1	1162.4	1134.7	1076.5	989.1
110°	1196.2	1192.9	1187.2	1180.3	1174.3	1164.0	1152.6	1135.8	1105.2	1038.1	943.2



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1166.1	1165.8	1162.1	1155.1	1145.0	1136.4	1124.3	1098.0	1051.6	978.5	887.7
115°	1135.3	1134.3	1130.3	1124.4	1117.3	1107.1	1083.6	1048.3	992.4	918.2	830.0
117.5°	1093.8	1095.7	1094.1	1089.1	1080.8	1069.4	1040.0	997.8	932.6	856.4	769.6
120°	1052.4	1055.7	1051.9	1046.7	1038.6	1027.7	991.8	933.6	862.9	782.3	702.0
122.5°	1004.4	1008.1	1002.5	993.1	977.0	953.5	914.9	847.2	778.6	700.3	627.2
125°	947.5	946.0	933.4	915.7	889.1	852.3	804.1	743.4	677.0	615.4	555.1
127.5°	877.7	867.6	844.6	817.6	783.1	740.8	690.5	639.1	586.5	536.1	491.1
130°	772.0	758.8	732.8	704.3	670.7	632.3	589.8	548.9	508.0	467.8	431.7
132.5°	643.6	633.4	613.4	591.7	566.1	537.1	505.2	472.3	440.1	407.0	377.4
135°	536.3	528.9	513.5	496.7	476.8	454.2	429.3	405.6	379.3	354.6	329.9
137.5°	438.8	434.3	423.7	412.0	398.0	381.9	363.9	344.5	326.0	307.0	287.2
140°	359.2	356.8	349.6	341.6	331.7	320.0	306.8	292.2	278.5	266.1	253.4
142.5°	291.7	290.8	286.4	281.5	275.1	267.7	259.2	249.9	240.3	231.6	222.5
145°	236.5	237.1	235.1	232.6	229.0	224.5	219.1	213.0	206.3	200.1	193.8
147.5°	191.0	192.6	192.1	191.1	189.3	186.8	183.5	179.7	175.4	171.4	168.1
150°	150.3	152.7	153.8	154.7	154.9	154.5	153.6	152.2	150.3	148.0	146.5
152.5°	122.7	125.3	127.2	128.8	130.0	130.8	131.2	131.1	130.7	129.7	128.8
155°	105.6	107.9	109.9	111.7	113.2	114.4	115.3	115.7	115.8	115.4	114.5
157.5°	98.3	99.8	101.3	102.2	103.1	103.8	104.2	104.4	104.2	103.7	102.9
160°	92.6	93.4	94.2	94.8	95.3	95.6	95.7	95.7	95.4	94.8	94.0
162.5°	90.2	90.4	90.5	90.0	89.7	89.2	88.5	87.7	86.7	85.6	84.3
165°	79.6	79.7	79.8	79.0	78.4	77.7	76.8	75.7	74.6	73.2	71.8
167.5°	61.8	62.1	62.4	62.1	61.9	61.6	61.2	60.6	60.0	59.2	58.4
170°	47.1	47.5	47.8	48.1	47.7	47.6	47.4	47.1	46.8	46.3	45.7
172.5°	34.1	34.4	34.7	35.0	34.7	34.6	34.5	34.3	34.0	33.6	33.2
175°	20.3	20.5	20.8	21.0	21.2	20.9	20.8	20.8	20.6	20.5	20.2
177.5°	8.1	8.2	8.3	8.5	8.6	8.7	8.8	8.5	8.5	8.5	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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	8.4	8.4	8.3	8.2	8.1	8.0	7.8	7.7	7.5	7.3	7.1
5°	20.0	19.7	19.3	18.9	18.5	18.0	17.5	16.9	16.3	15.7	15.0
7.5°	32.7	32.1	31.5	30.8	30.1	29.2	28.4	27.4	26.4	25.4	24.4
10°	45.1	44.4	43.6	42.7	41.7	40.6	39.5	38.2	36.9	35.5	34.0
12.5°	57.4	56.3	55.2	54.0	52.7	51.3	49.9	48.4	46.8	45.2	43.4
15°	70.3	68.6	66.9	65.2	63.6	61.9	60.1	58.2	56.3	54.3	52.3
17.5°	82.9	81.3	79.3	77.0	74.7	72.4	69.9	67.6	65.4	63.1	60.7
20°	92.9	91.2	89.3	87.1	84.9	82.4	79.7	76.9	74.0	71.2	68.5
22.5°	101.8	100.5	98.8	96.7	94.1	91.3	88.4	85.3	82.1	78.9	75.8
25°	113.5	112.0	110.0	107.6	104.8	101.6	97.8	93.6	90.0	86.1	82.6
27.5°	127.6	125.9	123.5	120.7	117.6	113.9	110.2	104.8	99.3	93.8	89.4
30°	144.6	142.2	139.8	136.3	132.5	127.9	123.1	117.7	112.0	106.4	100.6
32.5°	164.4	160.4	157.0	153.4	149.4	144.5	138.3	131.9	125.9	119.7	113.7
35°	187.3	181.2	176.4	171.2	165.8	159.9	153.7	146.6	139.3	132.5	125.8
37.5°	213.1	205.0	197.4	190.0	182.4	175.0	167.9	160.8	153.1	145.1	137.5
40°	241.1	230.2	219.2	209.4	200.2	191.4	182.8	174.3	166.3	157.8	149.2
42.5°	271.2	256.8	242.7	230.6	219.5	208.6	198.5	188.9	179.1	170.1	160.9
45°	308.0	285.6	268.2	252.2	238.3	225.6	214.5	203.8	192.9	182.1	172.3
47.5°	349.6	322.2	297.7	275.0	258.1	242.8	229.7	218.1	207.0	194.9	183.5
50°	394.5	361.8	330.6	303.5	278.7	260.3	244.5	231.5	219.9	208.1	194.9
52.5°	446.4	405.3	366.6	333.2	303.7	278.0	259.3	244.1	232.2	220.1	209.8
55°	501.8	452.1	407.0	364.3	329.3	299.2	273.7	256.6	245.6	236.3	228.4
57.5°	561.5	500.6	448.2	399.9	355.9	320.4	294.5	274.6	260.7	251.2	243.1
60°	623.8	553.3	489.0	434.8	388.2	348.8	316.6	292.1	276.4	265.2	257.0
62.5°	684.8	605.0	534.1	473.9	422.1	376.1	340.1	311.6	291.1	278.0	269.7
65°	738.8	657.4	582.3	512.7	455.0	404.9	362.4	328.7	305.3	291.0	281.8
67.5°	794.5	707.2	626.9	552.8	485.1	429.6	384.0	347.4	320.6	303.2	292.9
70°	846.3	752.3	666.8	587.4	515.7	454.8	404.7	364.5	333.7	314.0	303.0
72.5°	888.8	791.0	699.0	616.6	543.1	476.2	421.6	380.7	345.5	324.9	312.9
75°	922.2	822.0	726.5	638.6	564.8	495.2	438.8	395.3	360.3	336.3	321.5
77.5°	946.0	843.9	747.4	659.9	585.3	517.6	458.6	411.1	373.9	347.0	329.9
80°	968.4	866.7	771.6	681.4	602.3	535.4	475.2	425.1	385.8	357.0	338.1
82.5°	991.4	885.9	789.0	697.3	614.3	548.4	488.7	437.3	396.2	366.3	346.0
85°	1004.8	897.3	799.5	707.5	621.5	557.2	499.2	447.6	405.0	374.7	353.6
87.5°	1008.5	904.8	806.4	714.9	626.1	563.7	508.1	456.9	413.0	382.8	360.9
90°	1002.8	897.2	800.5	711.1	623.3	564.0	512.0	462.4	418.5	389.3	367.3
92.5°	1008.5	904.8	806.4	714.9	626.1	563.7	508.1	456.9	413.0	382.8	360.9
95°	1004.8	897.3	799.5	707.5	621.5	557.2	499.2	447.6	405.0	374.7	353.6
97.5°	991.4	885.9	789.0	697.3	614.3	548.4	488.7	437.3	396.2	366.3	346.0
100°	968.4	866.7	771.6	681.4	602.3	535.4	475.2	425.1	385.8	357.0	338.1
102.5°	946.0	843.9	747.4	659.9	585.3	517.6	458.6	411.1	373.9	347.0	329.9
105°	922.2	822.0	726.5	638.6	564.8	495.2	438.8	395.3	360.3	336.3	321.5
107.5°	888.8	791.0	699.0	616.6	543.1	476.2	421.6	380.7	345.5	324.9	312.9
110°	846.3	752.3	666.8	587.4	515.7	454.8	404.7	364.5	333.7	314.0	303.0





TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	794.5	707.2	626.9	552.8	485.1	429.6	384.0	347.4	320.6	303.2	292.9
115°	738.8	657.4	582.3	512.7	455.0	404.9	362.4	328.7	305.3	291.0	281.8
117.5°	684.8	605.0	534.1	473.9	422.1	376.1	340.1	311.6	291.1	278.0	269.7
120°	623.8	553.3	489.0	434.8	388.2	348.8	316.6	292.1	276.4	265.2	257.0
122.5°	561.5	500.6	448.2	399.9	355.9	320.4	294.5	274.6	260.7	251.2	243.1
125°	501.8	452.1	407.0	364.3	329.3	299.2	273.7	256.6	245.6	236.3	228.4
127.5°	446.4	405.3	366.6	333.2	303.7	278.0	259.3	244.1	232.2	220.1	209.8
130°	394.5	361.8	330.6	303.5	278.7	260.3	244.5	231.5	219.9	208.1	194.9
132.5°	349.6	322.2	297.7	275.0	258.1	242.8	229.7	218.1	207.0	194.9	183.5
135°	308.0	285.6	268.2	252.2	238.3	225.6	214.5	203.8	192.9	182.1	172.3
137.5°	271.2	256.8	242.7	230.6	219.5	208.6	198.5	188.9	179.1	170.1	160.9
140°	241.1	230.2	219.2	209.4	200.2	191.4	182.8	174.3	166.3	157.8	149.1
142.5°	213.1	205.0	197.4	190.0	182.4	175.0	167.9	160.8	153.1	145.1	137.5
145°	187.3	181.2	176.4	171.2	165.8	159.9	153.7	146.6	139.3	132.5	125.8
147.5°	164.4	160.4	157.0	153.4	149.4	144.5	138.3	131.9	125.9	119.7	113.7
150°	144.6	142.2	139.8	136.3	132.5	127.9	123.1	117.7	112.0	106.4	100.6
152.5°	127.6	125.9	123.5	120.7	117.6	113.9	110.2	104.8	99.3	93.8	89.4
155°	113.5	112.0	110.0	107.6	104.8	101.6	97.8	93.6	90.0	86.1	82.6
157.5°	101.8	100.5	98.8	96.7	94.1	91.3	88.4	85.3	82.1	78.9	75.8
160°	92.9	91.2	89.3	87.1	84.9	82.4	79.7	76.9	74.0	71.2	68.5
162.5°	82.9	81.3	79.3	77.0	74.7	72.4	69.9	67.6	65.4	63.1	60.7
165°	70.3	68.6	66.9	65.2	63.6	61.9	60.1	58.2	56.3	54.3	52.3
167.5°	57.4	56.3	55.2	54.0	52.7	51.3	49.9	48.4	46.8	45.2	43.4
170°	45.1	44.4	43.6	42.7	41.7	40.6	39.5	38.2	36.9	35.5	34.0
172.5°	32.7	32.1	31.5	30.8	30.1	29.2	28.4	27.4	26.4	25.4	24.4
175°	20.0	19.7	19.3	18.9	18.5	18.0	17.5	16.9	16.3	15.7	15.0
177.5°	8.4	8.4	8.3	8.2	8.1	8.0	7.8	7.7	7.5	7.3	7.1
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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	6.9	6.7	6.4	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.1
5°	14.3	13.6	12.8	12.3	11.8	11.2	10.7	10.1	9.5	8.9	8.3
7.5°	23.4	22.3	21.1	19.9	18.6	17.4	16.0	15.1	14.2	13.3	12.3
10°	32.5	30.9	29.4	27.7	26.1	24.4	22.6	20.8	18.9	17.6	16.4
12.5°	41.6	39.6	37.6	35.6	33.4	31.3	29.1	26.8	24.6	22.2	20.4
15°	50.1	47.9	45.9	43.1	40.7	38.1	35.5	32.8	30.1	27.3	24.5
17.5°	58.6	55.7	53.1	50.4	47.6	44.7	41.7	38.7	35.6	32.4	29.1
20°	65.8	63.1	60.3	57.3	54.2	51.0	47.7	44.4	41.0	37.3	33.6
22.5°	72.7	69.7	66.8	63.8	60.5	57.0	53.4	49.8	46.1	42.3	38.1
25°	79.0	75.8	72.6	69.5	67.1	64.3	61.1	57.9	54.4	50.9	47.0
27.5°	86.0	83.4	81.3	79.0	76.6	74.1	70.9	67.6	64.0	60.3	56.3
30°	96.7	93.3	90.5	88.2	85.8	83.2	80.4	77.0	73.6	69.5	65.5
32.5°	107.6	103.2	99.7	96.9	94.5	91.9	89.2	86.0	82.4	78.5	74.3
35°	119.4	113.2	108.8	105.4	102.8	100.4	97.7	95.0	91.2	87.4	83.1
37.5°	130.4	123.8	117.5	113.8	110.9	108.3	105.8	103.0	99.7	96.1	91.7
40°	141.2	133.6	127.2	121.5	118.6	116.0	113.7	111.0	108.0	104.4	100.2
42.5°	151.6	143.5	136.0	129.9	125.8	123.3	121.1	118.7	115.9	112.6	108.6
45°	162.4	152.8	144.8	138.0	132.5	130.3	128.2	126.2	123.6	120.5	116.9
47.5°	172.7	162.5	153.4	145.7	139.9	137.9	138.5	138.5	137.9	136.7	134.5
50°	183.1	172.6	165.8	160.9	157.7	156.1	156.8	156.7	156.5	155.9	154.2
52.5°	199.9	192.3	186.0	180.7	176.6	174.5	175.0	175.0	174.7	175.0	173.6
55°	218.3	210.9	204.9	199.9	195.4	193.3	193.1	193.3	192.7	193.8	192.8
57.5°	235.2	228.0	222.9	218.5	214.4	211.8	211.2	211.7	210.6	212.2	211.9
60°	250.2	243.9	239.5	236.2	232.9	229.9	229.1	229.9	228.8	230.5	231.0
62.5°	263.6	258.6	255.2	253.0	251.0	247.7	247.1	247.9	247.0	248.5	249.9
65°	275.8	271.9	269.8	268.9	268.6	265.7	265.1	265.9	265.1	266.4	268.8
67.5°	287.0	283.7	283.4	284.0	285.1	283.5	282.9	283.8	283.3	284.2	287.5
70°	297.4	294.9	296.1	297.7	298.5	297.0	295.5	295.5	294.8	294.1	294.2
72.5°	305.8	301.3	300.2	301.3	303.2	303.7	303.0	303.5	303.5	302.7	299.8
75°	312.2	306.0	303.4	304.6	307.6	309.8	310.3	311.4	312.0	311.6	305.8
77.5°	318.9	310.9	306.6	307.6	311.7	315.6	317.5	319.2	320.3	320.9	312.2
80°	325.6	315.9	309.9	310.5	315.7	321.1	324.6	327.1	328.5	330.4	318.8
82.5°	332.3	321.0	313.3	313.3	319.6	326.4	331.6	334.9	336.6	340.0	326.7
85°	338.8	326.1	316.7	316.0	323.5	331.4	338.5	342.7	344.5	350.1	332.9
87.5°	345.4	331.1	320.1	318.7	327.4	336.7	345.6	350.5	352.7	359.5	339.2
90°	351.1	335.6	323.4	321.8	331.6	342.1	352.7	358.4	360.8	368.9	345.4
92.5°	345.4	331.1	320.1	318.7	327.4	336.7	345.6	350.5	352.7	359.5	339.2
95°	338.8	326.1	316.7	316.0	323.5	331.4	338.5	342.7	344.5	350.1	332.9
97.5°	332.3	321.0	313.3	313.3	319.6	326.4	331.6	334.9	336.6	340.0	326.7
100°	325.6	315.9	309.9	310.5	315.7	321.1	324.6	327.1	328.5	330.4	318.8
102.5°	318.9	310.9	306.6	307.6	311.7	315.6	317.5	319.2	320.3	320.9	312.2
105°	312.2	306.0	303.4	304.6	307.6	309.8	310.3	311.4	312.0	311.6	305.8
107.5°	305.8	301.3	300.2	301.3	303.2	303.7	303.0	303.5	303.5	302.7	299.8
110°	297.4	294.9	296.1	297.7	298.5	297.0	295.5	295.5	294.8	294.1	294.2



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	287.0	283.7	283.4	284.0	285.1	283.5	282.9	283.8	283.3	284.2	287.5
115°	275.8	271.9	269.8	268.9	268.6	265.7	265.1	265.9	265.1	266.4	268.8
117.5°	263.6	258.6	255.2	253.0	251.0	247.7	247.1	247.9	247.0	248.5	249.9
120°	250.2	243.9	239.5	236.2	232.9	229.9	229.1	229.9	228.8	230.5	231.0
122.5°	235.2	228.0	222.9	218.5	214.4	211.8	211.2	211.7	210.6	212.2	211.9
125°	218.3	210.9	204.9	199.9	195.4	193.3	193.1	193.3	192.7	193.8	192.8
127.5°	199.9	192.3	186.0	180.7	176.6	174.5	175.0	175.0	174.7	175.0	173.6
130°	183.1	172.6	165.8	160.9	157.7	156.1	156.8	156.7	156.5	155.9	154.2
132.5°	172.7	162.5	153.4	145.7	139.9	137.9	138.5	138.5	137.9	136.7	134.5
135°	162.4	152.8	144.8	138.0	132.5	130.3	128.2	126.2	123.6	120.5	116.9
137.5°	151.6	143.5	136.0	129.9	125.8	123.3	121.1	118.7	115.9	112.6	108.6
140°	141.2	133.6	127.2	121.5	118.6	116.0	113.7	111.0	108.0	104.4	100.2
142.5°	130.4	123.8	117.5	113.8	110.9	108.3	105.8	103.0	99.7	96.1	91.7
145°	119.4	113.2	108.8	105.4	102.8	100.4	97.7	95.0	91.2	87.4	83.1
147.5°	107.6	103.2	99.7	96.9	94.5	91.9	89.2	86.0	82.4	78.5	74.3
150°	96.7	93.3	90.5	88.2	85.8	83.2	80.4	77.0	73.6	69.5	65.5
152.5°	86.0	83.4	81.3	79.0	76.6	74.1	70.9	67.6	64.0	60.3	56.3
155°	79.0	75.8	72.6	69.5	67.1	64.3	61.1	57.9	54.4	50.9	47.0
157.5°	72.7	69.7	66.8	63.8	60.5	57.0	53.4	49.8	46.1	42.3	38.1
160°	65.8	63.1	60.3	57.3	54.2	51.0	47.7	44.4	41.0	37.3	33.6
162.5°	58.6	55.7	53.1	50.4	47.6	44.7	41.7	38.7	35.6	32.4	29.1
165°	50.1	47.9	45.9	43.1	40.7	38.1	35.5	32.8	30.1	27.3	24.5
167.5°	41.6	39.6	37.6	35.6	33.4	31.3	29.1	26.8	24.6	22.2	20.4
170°	32.5	30.9	29.4	27.7	26.1	24.4	22.6	20.8	18.9	17.6	16.4
172.5°	23.4	22.3	21.1	19.9	18.6	17.4	16.0	15.1	14.2	13.3	12.3
175°	14.3	13.6	12.8	12.3	11.8	11.2	10.7	10.1	9.5	8.9	8.3
177.5°	6.9	6.7	6.4	6.2	5.9	5.7	5.4	5.1	4.8	4.5	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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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	3.5	3.1	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6
5°	7.6	7.0	6.3	5.6	5.6	5.5	5.5	5.5	5.4	5.3	5.2
7.5°	11.4	10.4	9.4	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8
10°	15.1	13.8	12.5	11.2	11.1	11.0	10.9	10.8	10.6	10.5	10.4
12.5°	18.8	17.3	15.6	14.0	13.9	13.8	13.6	13.4	13.2	13.1	12.9
15°	22.5	20.7	18.7	16.8	16.6	16.5	16.3	16.0	15.9	15.7	15.5
17.5°	26.2	24.0	21.8	19.6	19.4	19.2	18.9	18.7	18.6	18.4	18.1
20°	29.9	27.4	24.9	22.4	22.1	21.8	21.5	21.4	21.2	21.0	20.8
22.5°	34.0	30.7	28.0	25.2	24.9	24.5	24.2	24.1	23.9	23.6	23.4
25°	42.8	39.2	36.5	33.7	33.4	33.0	32.6	32.2	31.6	30.7	29.7
27.5°	51.9	47.8	45.1	42.2	42.1	41.8	41.6	41.3	40.6	39.6	38.2
30°	60.9	56.3	53.6	50.7	50.7	50.6	50.6	50.4	49.5	48.4	46.2
32.5°	69.8	65.0	62.0	59.2	59.4	59.5	59.7	59.4	58.4	56.6	53.8
35°	78.5	73.7	70.4	67.6	68.1	68.5	68.8	68.4	67.3	64.4	61.0
37.5°	87.1	82.2	78.8	76.1	76.9	77.5	78.0	77.3	76.1	71.9	67.1
40°	95.6	90.7	87.2	84.6	85.6	86.5	87.2	86.3	83.9	79.1	72.6
42.5°	104.0	99.1	95.5	93.1	94.4	95.5	96.5	95.2	91.6	86.2	77.5
45°	112.2	107.5	103.8	101.6	103.2	104.6	105.5	104.2	99.0	91.6	81.9
47.5°	129.0	122.1	115.5	110.6	109.8	109.2	108.5	107.0	101.1	93.3	84.2
50°	147.1	137.4	127.4	119.6	116.2	113.3	110.7	107.9	101.3	93.0	84.7
52.5°	165.5	153.1	139.5	128.7	122.4	117.0	112.7	108.5	101.4	93.1	85.8
55°	184.2	169.2	151.8	137.7	128.4	120.4	114.6	109.0	101.4	93.7	87.4
57.5°	203.2	185.6	164.2	146.7	134.2	123.6	116.3	109.6	101.8	94.7	89.7
60°	222.5	202.3	176.7	155.7	140.0	126.6	117.9	110.2	102.4	96.5	92.6
62.5°	242.0	219.3	189.4	164.8	145.6	129.3	119.3	110.7	103.4	98.6	95.9
65°	261.7	236.5	202.2	173.8	151.1	131.9	120.7	111.4	104.6	101.1	99.8
67.5°	281.5	253.8	215.0	182.8	156.5	134.3	122.0	112.0	106.0	104.0	104.0
70°	284.6	254.1	213.9	181.2	154.9	132.9	120.9	110.7	105.4	104.1	105.1
72.5°	286.5	253.6	212.6	179.6	153.3	131.5	119.7	109.2	104.2	103.0	104.3
75°	288.5	253.1	212.4	177.9	151.8	130.2	118.5	107.8	103.1	101.9	103.5
77.5°	290.4	252.3	210.6	176.3	150.3	129.0	117.4	106.4	102.1	100.8	102.7
80°	292.3	252.8	208.8	174.7	148.9	127.8	116.4	105.2	101.1	99.7	101.8
82.5°	295.2	251.1	206.9	173.1	147.6	126.8	115.5	103.9	100.1	98.5	101.0
85°	296.2	249.5	205.1	171.4	146.3	125.9	114.6	102.8	99.2	97.4	100.1
87.5°	297.2	247.8	203.3	169.8	145.0	125.1	113.8	101.8	98.3	96.2	99.2
90°	298.2	246.2	201.5	168.2	143.8	124.3	113.0	100.8	97.5	95.1	98.3
92.5°	297.2	247.8	203.3	169.8	145.0	125.1	113.8	101.8	98.3	96.2	99.2
95°	296.2	249.5	205.1	171.4	146.3	125.9	114.6	102.8	99.2	97.4	100.1
97.5°	295.2	251.1	206.9	173.1	147.6	126.8	115.5	103.9	100.1	98.5	101.0
100°	292.3	252.8	208.8	174.7	148.9	127.8	116.4	105.2	101.1	99.7	101.8
102.5°	290.4	252.3	210.6	176.3	150.3	129.0	117.4	106.4	102.1	100.8	102.7
105°	288.5	253.1	212.4	177.9	151.8	130.2	118.5	107.8	103.1	101.9	103.5
107.5°	286.5	253.6	212.6	179.6	153.3	131.5	119.7	109.2	104.2	103.0	104.3
110°	284.6	254.1	213.9	181.2	154.9	132.9	120.9	110.7	105.4	104.1	105.1



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	281.5	253.8	215.0	182.8	156.5	134.3	122.0	112.0	106.0	104.0	104.0
115°	261.7	236.5	202.2	173.8	151.1	131.9	120.7	111.4	104.6	101.1	99.8
117.5°	242.0	219.3	189.4	164.8	145.6	129.3	119.3	110.7	103.4	98.6	95.9
120°	222.5	202.3	176.7	155.7	140.0	126.6	117.9	110.2	102.4	96.5	92.6
122.5°	203.2	185.6	164.2	146.7	134.2	123.6	116.3	109.6	101.8	94.7	89.7
125°	184.2	169.2	151.8	137.7	128.4	120.4	114.6	109.0	101.4	93.7	87.4
127.5°	165.5	153.1	139.5	128.7	122.4	117.0	112.7	108.5	101.4	93.1	85.8
130°	147.1	137.4	127.4	119.6	116.2	113.3	110.7	107.9	101.3	93.0	84.7
132.5°	129.0	122.1	115.5	110.6	109.8	109.2	108.5	107.0	101.1	93.3	84.2
135°	112.2	107.5	103.8	101.6	103.2	104.6	105.5	104.2	99.0	91.6	81.9
137.5°	104.0	99.1	95.5	93.1	94.4	95.5	96.5	95.2	91.6	86.2	77.5
140°	95.6	90.7	87.2	84.6	85.6	86.5	87.2	86.3	83.9	79.1	72.6
142.5°	87.1	82.2	78.8	76.1	76.9	77.5	78.0	77.3	76.1	71.9	67.1
145°	78.5	73.7	70.4	67.6	68.1	68.5	68.8	68.4	67.3	64.4	61.0
147.5°	69.8	65.0	62.0	59.2	59.4	59.5	59.7	59.4	58.4	56.6	53.8
150°	60.9	56.3	53.6	50.7	50.7	50.6	50.6	50.4	49.5	48.4	46.2
152.5°	51.9	47.8	45.1	42.2	42.1	41.8	41.6	41.3	40.6	39.6	38.2
155°	42.8	39.2	36.5	33.7	33.4	33.0	32.6	32.2	31.6	30.7	29.7
157.5°	34.0	30.7	28.0	25.2	24.9	24.5	24.2	24.1	23.9	23.6	23.4
160°	29.9	27.4	24.9	22.4	22.1	21.8	21.5	21.4	21.2	21.0	20.8
162.5°	26.2	24.0	21.8	19.6	19.4	19.2	18.9	18.7	18.6	18.4	18.1
165°	22.5	20.7	18.7	16.8	16.6	16.5	16.3	16.0	15.9	15.7	15.5
167.5°	18.8	17.3	15.6	14.0	13.9	13.8	13.6	13.4	13.2	13.1	12.9
170°	15.1	13.8	12.5	11.2	11.1	11.0	10.9	10.8	10.6	10.5	10.4
172.5°	11.4	10.4	9.4	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8
175°	7.6	7.0	6.3	5.6	5.6	5.5	5.5	5.5	5.4	5.3	5.2
177.5°	3.8	3.5	3.1	2.8	2.8	2.8	2.8	2.7	2.7	2.7	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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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	2.6	2.5	2.4	2.4	2.3	2.3	2.2	2.1	2.0	1.9
5°	5.1	5.1	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.0	3.8
7.5°	7.6	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.2	6.0	5.8
10°	10.2	10.0	9.8	9.6	9.4	9.2	8.9	8.6	8.3	8.0	7.7
12.5°	12.8	12.6	12.3	12.1	11.8	11.5	11.2	10.8	10.5	10.1	9.7
15°	15.3	15.1	14.8	14.5	14.2	13.8	13.4	13.0	12.6	12.1	11.6
17.5°	17.9	17.6	17.3	16.9	16.6	16.1	15.7	15.1	14.5	13.9	13.2
20°	20.5	20.2	19.8	19.4	19.0	18.4	17.7	17.0	16.3	15.8	15.1
22.5°	23.1	22.7	22.3	21.8	21.1	20.4	19.7	19.1	18.5	17.8	17.1
25°	28.5	27.1	25.6	24.0	23.2	22.5	21.9	21.3	20.6	19.9	19.1
27.5°	36.5	34.6	32.2	29.9	28.1	26.4	24.9	23.5	22.8	21.8	20.7
30°	44.0	40.9	37.9	35.3	33.0	30.9	29.0	27.2	25.4	23.7	22.3
32.5°	50.4	46.5	43.0	39.8	37.0	34.5	32.1	29.8	27.7	25.9	24.1
35°	56.1	51.4	47.3	43.6	40.3	37.2	34.4	31.9	29.7	27.7	26.2
37.5°	61.1	55.8	50.9	46.7	42.9	39.4	36.2	33.6	31.4	29.6	27.9
40°	65.6	59.6	54.1	49.2	44.9	41.0	37.9	35.2	33.1	31.1	29.1
42.5°	69.8	62.7	56.7	51.3	46.4	42.6	39.3	36.8	34.4	32.3	30.3
45°	73.4	65.7	58.8	53.0	48.0	43.9	40.9	38.1	35.6	33.4	31.4
47.5°	75.9	68.1	60.7	54.3	49.5	45.5	42.1	39.3	36.8	34.5	32.5
50°	77.1	70.2	63.7	57.6	52.0	47.0	43.4	40.5	38.0	35.9	33.8
52.5°	79.2	73.1	67.4	62.5	57.6	52.6	47.8	43.3	39.3	37.3	35.2
55°	82.0	77.0	72.1	68.1	63.4	58.4	53.4	48.7	44.5	40.5	36.7
57.5°	85.4	81.4	77.8	74.2	69.4	64.1	58.9	53.9	49.2	44.7	40.0
60°	89.4	86.4	83.9	80.4	75.4	69.8	64.3	58.8	53.4	48.2	42.9
62.5°	94.0	92.0	90.6	86.7	81.4	75.5	69.5	63.3	57.3	51.1	45.6
65°	99.0	98.2	97.7	93.3	87.4	81.1	74.3	67.5	60.6	53.7	47.9
67.5°	104.4	104.7	104.3	99.8	93.5	86.7	79.0	71.4	63.6	56.3	49.8
70°	106.9	108.9	109.3	105.7	99.5	92.0	83.5	75.1	66.4	58.5	51.5
72.5°	106.3	108.7	108.9	105.7	100.6	94.0	86.2	77.9	69.0	60.6	53.0
75°	105.8	108.4	108.8	106.2	101.5	95.0	87.4	79.1	70.5	62.3	54.5
77.5°	105.2	108.2	108.9	106.9	102.7	96.4	88.9	80.7	72.3	64.0	56.0
80°	104.7	107.9	109.2	108.0	104.2	98.1	90.7	82.8	74.5	65.9	57.6
82.5°	104.2	107.7	109.7	109.3	106.0	100.1	92.9	85.2	76.9	68.1	59.4
85°	103.6	107.3	110.2	110.7	107.9	102.3	95.3	88.0	79.7	70.5	61.5
87.5°	103.0	106.9	110.8	112.3	109.9	104.7	97.9	91.0	82.7	73.3	63.9
90°	102.4	106.5	111.3	113.8	112.1	107.3	100.8	94.3	86.1	76.4	66.6
92.5°	103.0	106.9	110.8	112.3	109.9	104.7	97.9	91.0	82.7	73.3	63.9
95°	103.6	107.3	110.2	110.7	107.9	102.3	95.3	88.0	79.7	70.5	61.5
97.5°	104.2	107.7	109.7	109.3	106.0	100.1	92.9	85.2	76.9	68.1	59.4
100°	104.7	107.9	109.2	108.0	104.2	98.1	90.7	82.8	74.5	65.9	57.6
102.5°	105.2	108.2	108.9	106.9	102.7	96.4	88.9	80.7	72.3	64.0	56.0
105°	105.8	108.4	108.8	106.2	101.5	95.0	87.4	79.1	70.5	62.3	54.5
107.5°	106.3	108.7	108.9	105.7	100.6	94.0	86.2	77.9	69.0	60.6	53.0
110°	106.9	108.9	109.3	105.7	99.5	92.0	83.5	75.1	66.4	58.5	51.5



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	104.4	104.7	104.3	99.8	93.5	86.7	79.0	71.4	63.6	56.3	49.8
115°	99.0	98.2	97.7	93.3	87.4	81.1	74.3	67.5	60.6	53.7	47.9
117.5°	94.0	92.0	90.6	86.7	81.4	75.5	69.5	63.3	57.3	51.1	45.6
120°	89.4	86.4	83.9	80.4	75.4	69.8	64.3	58.8	53.4	48.2	42.9
122.5°	85.4	81.4	77.8	74.2	69.4	64.1	58.9	53.9	49.2	44.7	40.0
125°	82.0	77.0	72.1	68.1	63.4	58.4	53.4	48.7	44.5	40.5	36.7
127.5°	79.2	73.1	67.4	62.5	57.6	52.6	47.8	43.3	39.3	37.3	35.2
130°	77.1	70.2	63.7	57.6	52.0	47.0	43.4	40.5	38.0	35.9	33.8
132.5°	75.9	68.1	60.7	54.3	49.5	45.5	42.1	39.3	36.8	34.5	32.5
135°	73.4	65.7	58.8	53.0	48.0	43.9	40.9	38.1	35.6	33.4	31.4
137.5°	69.8	62.7	56.7	51.3	46.4	42.6	39.3	36.8	34.4	32.3	30.3
140°	65.6	59.6	54.1	49.2	44.9	41.0	37.9	35.2	33.1	31.1	29.1
142.5°	61.1	55.8	50.9	46.7	42.9	39.4	36.2	33.6	31.4	29.6	27.9
145°	56.1	51.4	47.3	43.6	40.3	37.2	34.4	31.9	29.7	27.7	26.2
147.5°	50.4	46.5	43.0	39.8	37.0	34.5	32.1	29.8	27.7	25.9	24.1
150°	44.0	40.9	37.9	35.3	33.0	30.9	29.0	27.2	25.4	23.7	22.3
152.5°	36.5	34.6	32.2	29.9	28.1	26.4	24.9	23.5	22.8	21.8	20.7
155°	28.5	27.1	25.6	24.0	23.2	22.5	21.9	21.3	20.6	19.9	19.1
157.5°	23.1	22.7	22.3	21.8	21.1	20.4	19.7	19.1	18.5	17.8	17.1
160°	20.5	20.2	19.8	19.4	19.0	18.4	17.7	17.0	16.3	15.8	15.1
162.5°	17.9	17.6	17.3	16.9	16.6	16.1	15.7	15.1	14.5	13.9	13.2
165°	15.3	15.1	14.8	14.5	14.2	13.8	13.4	13.0	12.6	12.1	11.6
167.5°	12.8	12.6	12.3	12.1	11.8	11.5	11.2	10.8	10.5	10.1	9.7
170°	10.2	10.0	9.8	9.6	9.4	9.2	8.9	8.6	8.3	8.0	7.7
172.5°	7.6	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.2	6.0	5.8
175°	5.1	5.1	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.0	3.8
177.5°	2.6	2.6	2.5	2.4	2.4	2.3	2.3	2.2	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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.8
5°	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.6
7.5°	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
10°	7.4	7.0	6.6	6.3	5.9	5.5	5.0	4.6	4.2	3.7	3.3
12.5°	9.2	8.8	8.3	7.8	7.3	6.8	6.2	5.7	5.2	4.6	4.0
15°	11.0	10.4	9.8	9.2	8.6	8.0	7.4	6.8	6.1	5.5	4.8
17.5°	12.6	12.0	11.4	10.8	10.1	9.4	8.7	8.0	7.2	6.5	5.7
20°	14.5	13.8	13.1	12.4	11.6	10.8	10.0	9.1	8.2	7.3	6.4
22.5°	16.4	15.6	14.8	13.9	12.9	12.0	11.0	10.0	9.0	8.0	7.0
25°	18.2	17.2	16.2	15.1	14.1	13.0	11.9	10.9	9.8	8.8	7.8
27.5°	19.7	18.5	17.4	16.3	15.2	14.2	13.2	12.1	10.9	9.7	8.5
30°	21.0	19.8	18.8	17.8	16.8	15.5	14.2	13.0	11.7	10.4	9.1
32.5°	22.8	21.7	20.6	19.2	17.9	16.5	15.1	13.8	12.4	11.0	9.5
35°	24.9	23.3	21.8	20.4	18.9	17.5	15.9	14.3	12.7	11.2	9.8
37.5°	26.2	24.5	22.9	21.4	19.6	17.9	16.2	14.7	13.2	11.7	10.2
40°	27.3	25.6	23.8	21.9	20.1	18.5	16.9	15.4	13.8	12.2	10.7
42.5°	28.4	26.5	24.5	22.8	21.1	19.3	17.7	16.0	14.4	12.8	11.1
45°	29.4	27.4	25.6	23.8	21.9	20.1	18.4	16.6	14.9	13.2	11.5
47.5°	30.5	28.6	26.6	24.5	22.6	20.8	19.0	17.1	15.4	13.6	11.9
50°	31.8	29.6	27.3	25.4	23.4	21.4	19.4	17.6	15.8	14.1	12.3
52.5°	32.9	30.3	28.3	26.2	23.9	21.9	20.0	18.1	16.3	14.4	12.6
55°	33.7	31.4	29.2	26.7	24.5	22.5	20.5	18.6	16.7	14.8	12.9
57.5°	36.0	32.6	29.7	27.4	25.2	23.1	21.1	19.1	17.1	15.1	13.2
60°	38.7	34.6	31.0	28.2	26.0	23.8	21.7	19.6	17.4	15.2	13.1
62.5°	40.8	36.2	32.6	29.5	26.8	24.5	22.2	19.8	17.4	14.9	12.6
65°	42.4	37.7	33.8	30.4	27.4	24.9	22.5	19.7	17.0	14.4	12.0
67.5°	43.9	39.0	34.7	30.9	27.7	24.8	22.0	19.5	16.5	13.6	11.3
70°	45.3	40.0	35.4	31.1	27.6	24.4	21.4	18.4	15.4	13.0	10.6
72.5°	46.5	40.9	35.7	31.2	27.4	23.9	20.6	17.2	14.7	12.3	9.9
75°	47.7	41.7	36.0	31.1	27.1	23.4	19.7	16.6	14.1	11.4	8.9
77.5°	48.9	42.4	36.3	31.2	26.9	22.9	18.9	16.4	13.4	10.5	8.1
80°	50.2	43.2	36.8	31.4	26.6	22.3	18.7	16.2	12.9	9.8	7.1
82.5°	51.7	44.2	37.4	31.5	26.4	21.6	18.0	15.0	12.0	9.0	6.3
85°	53.4	45.4	38.2	31.9	26.2	21.1	17.3	14.0	11.2	8.3	5.9
87.5°	55.4	46.9	39.2	32.4	26.3	20.9	16.7	13.4	10.7	8.0	6.0
90°	57.7	48.8	40.6	33.3	26.8	21.1	16.3	13.0	10.6	8.1	6.5
92.5°	55.4	46.9	39.2	32.4	26.3	20.9	16.7	13.4	10.7	8.0	6.0
95°	53.4	45.4	38.2	31.9	26.2	21.1	17.3	14.0	11.2	8.3	5.9
97.5°	51.7	44.2	37.4	31.5	26.4	21.6	18.0	15.0	12.0	9.0	6.3
100°	50.2	43.2	36.8	31.4	26.6	22.3	18.7	16.2	12.9	9.8	7.1
102.5°	48.9	42.4	36.3	31.2	26.9	22.9	18.9	16.4	13.4	10.5	8.1
105°	47.7	41.7	36.0	31.1	27.1	23.4	19.7	16.6	14.1	11.4	8.9
107.5°	46.5	40.9	35.7	31.2	27.4	23.9	20.6	17.2	14.7	12.3	9.9
110°	45.3	40.0	35.4	31.1	27.6	24.4	21.4	18.4	15.4	13.0	10.6





TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	43.9	39.0	34.7	30.9	27.7	24.8	22.0	19.5	16.5	13.6	11.3
115°	42.4	37.7	33.8	30.4	27.4	24.9	22.5	19.7	17.0	14.4	12.0
117.5°	40.8	36.2	32.6	29.5	26.8	24.5	22.2	19.8	17.4	14.9	12.6
120°	38.7	34.6	31.0	28.2	26.0	23.8	21.7	19.6	17.4	15.2	13.1
122.5°	36.0	32.6	29.7	27.4	25.2	23.1	21.1	19.1	17.1	15.1	13.2
125°	33.7	31.4	29.2	26.7	24.5	22.5	20.5	18.6	16.7	14.8	12.9
127.5°	32.9	30.3	28.3	26.2	23.9	21.9	20.0	18.1	16.3	14.4	12.6
130°	31.8	29.6	27.3	25.4	23.4	21.4	19.4	17.6	15.8	14.1	12.3
132.5°	30.5	28.6	26.6	24.5	22.6	20.8	19.0	17.1	15.4	13.6	11.9
135°	29.4	27.4	25.6	23.8	21.9	20.1	18.4	16.6	14.9	13.2	11.5
137.5°	28.4	26.5	24.5	22.8	21.1	19.3	17.7	16.0	14.4	12.8	11.1
140°	27.3	25.6	23.8	21.9	20.1	18.5	16.9	15.4	13.8	12.2	10.7
142.5°	26.2	24.5	22.9	21.4	19.6	17.9	16.2	14.7	13.2	11.7	10.2
145°	24.9	23.3	21.8	20.4	18.9	17.5	15.9	14.3	12.7	11.2	9.8
147.5°	22.8	21.7	20.6	19.2	17.9	16.5	15.1	13.8	12.4	11.0	9.5
150°	21.0	19.8	18.8	17.8	16.8	15.5	14.2	13.0	11.7	10.4	9.1
152.5°	19.7	18.5	17.4	16.3	15.2	14.2	13.2	12.1	10.9	9.7	8.5
155°	18.2	17.2	16.2	15.1	14.1	13.0	11.9	10.9	9.8	8.8	7.8
157.5°	16.4	15.6	14.8	13.9	12.9	12.0	11.0	10.0	9.0	8.0	7.0
160°	14.5	13.8	13.1	12.4	11.6	10.8	10.0	9.1	8.2	7.3	6.4
162.5°	12.6	12.0	11.4	10.8	10.1	9.4	8.7	8.0	7.2	6.5	5.7
165°	11.0	10.4	9.8	9.2	8.6	8.0	7.4	6.8	6.1	5.5	4.8
167.5°	9.2	8.8	8.3	7.8	7.3	6.8	6.2	5.7	5.2	4.6	4.0
170°	7.4	7.0	6.6	6.3	5.9	5.5	5.0	4.6	4.2	3.7	3.3
172.5°	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
175°	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.6
177.5°	1.8	1.8	1.7	1.6	1.5	1.4	1.3	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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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	0.4	0.2	0.1	0.0	0.1	0.2	0.4	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	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
10°	2.8	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
12.5°	3.5	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
15°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
17.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
20°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
22.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
25°	6.7	5.6	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
27.5°	7.3	6.1	4.9	3.7	2.4	1.2	0.0	1.2	2.4	3.7	4.9
30°	7.8	6.5	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
32.5°	8.1	6.7	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
35°	8.4	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
37.5°	8.8	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
40°	9.2	7.6	6.1	4.6	3.0	1.5	0.0	1.5	3.0	4.6	6.1
42.5°	9.5	7.9	6.3	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.3
45°	9.8	8.2	6.5	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.5
47.5°	10.1	8.4	6.7	5.0	3.4	1.7	0.0	1.7	3.4	5.0	6.7
50°	10.5	8.7	6.9	5.2	3.4	1.7	0.0	1.7	3.4	5.2	6.9
52.5°	10.8	8.9	7.1	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.1
55°	11.1	9.2	7.3	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.3
57.5°	11.3	9.3	7.2	5.3	3.5	1.7	0.0	1.7	3.5	5.3	7.2
60°	10.9	8.9	7.0	5.2	3.4	1.7	0.0	1.7	3.4	5.2	7.0
62.5°	10.6	8.9	6.8	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.8
65°	10.0	8.1	6.2	4.4	2.8	1.4	0.0	1.4	2.8	4.4	6.2
67.5°	9.2	7.2	5.6	4.2	3.0	1.9	0.8	1.9	3.0	4.2	5.6
70°	8.4	6.6	5.2	4.1	2.9	1.8	0.8	1.8	2.9	4.1	5.2
72.5°	7.6	6.1	4.8	3.8	2.7	1.7	0.8	1.7	2.7	3.8	4.8
75°	7.1	5.4	4.0	3.1	2.3	1.5	0.8	1.5	2.3	3.1	4.0
77.5°	6.1	4.2	3.0	2.0	0.9	0.2	0.0	0.2	0.9	2.0	3.0
80°	4.9	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°	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.5	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°	4.9	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
102.5°	6.1	4.2	3.0	2.0	0.9	0.2	0.0	0.2	0.9	2.0	3.0
105°	7.1	5.4	4.0	3.1	2.3	1.5	0.8	1.5	2.3	3.1	4.0
107.5°	7.6	6.1	4.8	3.8	2.7	1.7	0.8	1.7	2.7	3.8	4.8
110°	8.4	6.6	5.2	4.1	2.9	1.8	0.8	1.8	2.9	4.1	5.2



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	9.2	7.2	5.6	4.2	3.0	1.9	0.8	1.9	3.0	4.2	5.6
115°	10.0	8.1	6.2	4.4	2.8	1.4	0.0	1.4	2.8	4.4	6.2
117.5°	10.6	8.9	6.8	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.8
120°	10.9	8.9	7.0	5.2	3.4	1.7	0.0	1.7	3.4	5.2	7.0
122.5°	11.3	9.3	7.2	5.3	3.5	1.7	0.0	1.7	3.5	5.3	7.2
125°	11.1	9.2	7.3	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.3
127.5°	10.8	8.9	7.1	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.1
130°	10.5	8.7	6.9	5.2	3.4	1.7	0.0	1.7	3.4	5.2	6.9
132.5°	10.1	8.4	6.7	5.0	3.4	1.7	0.0	1.7	3.4	5.0	6.7
135°	9.8	8.2	6.5	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.5
137.5°	9.5	7.9	6.3	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.3
140°	9.2	7.6	6.1	4.6	3.0	1.5	0.0	1.5	3.0	4.6	6.1
142.5°	8.8	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
145°	8.4	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
147.5°	8.1	6.7	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
150°	7.8	6.5	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
152.5°	7.3	6.1	4.9	3.7	2.4	1.2	0.0	1.2	2.4	3.7	4.9
155°	6.7	5.6	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
157.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
160°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
162.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
165°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
167.5°	3.5	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
170°	2.8	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
172.5°	2.1	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	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	0.4	0.2	0.1	0.0	0.1	0.2	0.4	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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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	1.3	1.4	1.5	1.6	1.7
5°	1.2	1.4	1.6	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3
7.5°	1.8	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.4	4.7	5.0
10°	2.4	2.8	3.3	3.7	4.2	4.6	5.0	5.5	5.9	6.3	6.6
12.5°	2.9	3.5	4.0	4.6	5.2	5.7	6.2	6.8	7.3	7.8	8.3
15°	3.5	4.2	4.8	5.5	6.1	6.8	7.4	8.0	8.6	9.2	9.8
17.5°	4.1	4.9	5.7	6.5	7.2	8.0	8.7	9.4	10.1	10.8	11.4
20°	4.6	5.5	6.4	7.3	8.2	9.1	10.0	10.8	11.6	12.4	13.1
22.5°	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	12.9	13.9	14.8
25°	5.6	6.7	7.8	8.8	9.8	10.9	11.9	13.0	14.1	15.1	16.2
27.5°	6.1	7.3	8.5	9.7	10.9	12.1	13.2	14.2	15.2	16.3	17.4
30°	6.5	7.8	9.1	10.4	11.7	13.0	14.2	15.5	16.8	17.8	18.8
32.5°	6.7	8.1	9.5	11.0	12.4	13.8	15.1	16.5	17.9	19.2	20.6
35°	7.0	8.4	9.8	11.2	12.7	14.3	15.9	17.5	18.9	20.4	21.8
37.5°	7.3	8.8	10.2	11.7	13.2	14.7	16.2	17.9	19.6	21.4	22.9
40°	7.6	9.2	10.7	12.2	13.8	15.4	16.9	18.5	20.1	21.9	23.8
42.5°	7.9	9.5	11.1	12.8	14.4	16.0	17.7	19.3	21.1	22.8	24.5
45°	8.2	9.8	11.5	13.2	14.9	16.6	18.4	20.1	21.9	23.8	25.6
47.5°	8.4	10.1	11.9	13.6	15.4	17.1	19.0	20.8	22.6	24.5	26.6
50°	8.7	10.5	12.3	14.1	15.8	17.6	19.4	21.4	23.4	25.4	27.3
52.5°	8.9	10.8	12.6	14.4	16.3	18.1	20.0	21.9	23.9	26.2	28.3
55°	9.2	11.1	12.9	14.8	16.7	18.6	20.5	22.5	24.5	26.7	29.2
57.5°	9.3	11.3	13.2	15.1	17.1	19.1	21.1	23.1	25.2	27.4	29.7
60°	8.9	10.9	13.1	15.2	17.4	19.6	21.7	23.8	26.0	28.2	31.0
62.5°	8.9	10.6	12.6	14.9	17.4	19.8	22.2	24.5	26.8	29.5	32.6
65°	8.1	10.0	12.0	14.4	17.0	19.7	22.5	24.9	27.4	30.4	33.8
67.5°	7.2	9.2	11.3	13.6	16.5	19.5	22.0	24.8	27.7	30.9	34.7
70°	6.6	8.4	10.6	13.0	15.4	18.4	21.4	24.4	27.6	31.1	35.4
72.5°	6.1	7.6	9.9	12.3	14.7	17.2	20.6	23.9	27.4	31.2	35.7
75°	5.4	7.1	8.9	11.4	14.1	16.6	19.7	23.4	27.1	31.1	36.0
77.5°	4.2	6.1	8.1	10.5	13.4	16.4	18.9	22.9	26.9	31.2	36.3
80°	3.1	4.9	7.1	9.8	12.9	16.2	18.7	22.3	26.6	31.4	36.8
82.5°	2.0	4.0	6.3	9.0	12.0	15.0	18.0	21.6	26.4	31.5	37.4
85°	0.9	3.5	5.9	8.3	11.2	14.0	17.3	21.1	26.2	31.9	38.2
87.5°	0.3	3.6	6.0	8.0	10.7	13.4	16.7	20.9	26.3	32.4	39.2
90°	0.0	4.1	6.5	8.1	10.6	13.0	16.3	21.1	26.8	33.3	40.6
92.5°	0.3	3.6	6.0	8.0	10.7	13.4	16.7	20.9	26.3	32.4	39.2
95°	0.9	3.5	5.9	8.3	11.2	14.0	17.3	21.1	26.2	31.9	38.2
97.5°	2.0	4.0	6.3	9.0	12.0	15.0	18.0	21.6	26.4	31.5	37.4
100°	3.1	4.9	7.1	9.8	12.9	16.2	18.7	22.3	26.6	31.4	36.8
102.5°	4.2	6.1	8.1	10.5	13.4	16.4	18.9	22.9	26.9	31.2	36.3
105°	5.4	7.1	8.9	11.4	14.1	16.6	19.7	23.4	27.1	31.1	36.0
107.5°	6.1	7.6	9.9	12.3	14.7	17.2	20.6	23.9	27.4	31.2	35.7
110°	6.6	8.4	10.6	13.0	15.4	18.4	21.4	24.4	27.6	31.1	35.4



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	7.2	9.2	11.3	13.6	16.5	19.5	22.0	24.8	27.7	30.9	34.7
115°	8.1	10.0	12.0	14.4	17.0	19.7	22.5	24.9	27.4	30.4	33.8
117.5°	8.9	10.6	12.6	14.9	17.4	19.8	22.2	24.5	26.8	29.5	32.6
120°	8.9	10.9	13.1	15.2	17.4	19.6	21.7	23.8	26.0	28.2	31.0
122.5°	9.3	11.3	13.2	15.1	17.1	19.1	21.1	23.1	25.2	27.4	29.7
125°	9.2	11.1	12.9	14.8	16.7	18.6	20.5	22.5	24.5	26.7	29.2
127.5°	8.9	10.8	12.6	14.4	16.3	18.1	20.0	21.9	23.9	26.2	28.3
130°	8.7	10.5	12.3	14.1	15.8	17.6	19.4	21.4	23.4	25.4	27.3
132.5°	8.4	10.1	11.9	13.6	15.4	17.1	19.0	20.8	22.6	24.5	26.6
135°	8.2	9.8	11.5	13.2	14.9	16.6	18.4	20.1	21.9	23.8	25.6
137.5°	7.9	9.5	11.1	12.8	14.4	16.0	17.7	19.3	21.1	22.8	24.5
140°	7.6	9.2	10.7	12.2	13.8	15.4	16.9	18.5	20.1	21.9	23.8
142.5°	7.3	8.8	10.2	11.7	13.2	14.7	16.2	17.9	19.6	21.4	22.9
145°	7.0	8.4	9.8	11.2	12.7	14.3	15.9	17.5	18.9	20.4	21.8
147.5°	6.7	8.1	9.5	11.0	12.4	13.8	15.1	16.5	17.9	19.2	20.6
150°	6.5	7.8	9.1	10.4	11.7	13.0	14.2	15.5	16.8	17.8	18.8
152.5°	6.1	7.3	8.5	9.7	10.9	12.1	13.2	14.2	15.2	16.3	17.4
155°	5.6	6.7	7.8	8.8	9.8	10.9	11.9	13.0	14.1	15.1	16.2
157.5°	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	12.9	13.9	14.8
160°	4.6	5.5	6.4	7.3	8.2	9.1	10.0	10.8	11.6	12.4	13.1
162.5°	4.1	4.9	5.7	6.5	7.2	8.0	8.7	9.4	10.1	10.8	11.4
165°	3.5	4.2	4.8	5.5	6.1	6.8	7.4	8.0	8.6	9.2	9.8
167.5°	2.9	3.5	4.0	4.6	5.2	5.7	6.2	6.8	7.3	7.8	8.3
170°	2.4	2.8	3.3	3.7	4.2	4.6	5.0	5.5	5.9	6.3	6.6
172.5°	1.8	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.4	4.7	5.0
175°	1.2	1.4	1.6	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3
177.5°	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.7
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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	1.8	1.8	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.4	2.5
5°	3.5	3.7	3.8	4.0	4.2	4.3	4.4	4.6	4.7	4.8	4.9
7.5°	5.2	5.5	5.8	6.0	6.2	6.5	6.7	6.9	7.1	7.2	7.4
10°	7.0	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.4	9.6	9.8
12.5°	8.8	9.2	9.7	10.1	10.5	10.8	11.2	11.5	11.8	12.1	12.3
15°	10.4	11.0	11.6	12.1	12.6	13.0	13.4	13.8	14.2	14.5	14.8
17.5°	12.0	12.6	13.2	13.9	14.5	15.1	15.7	16.1	16.6	16.9	17.3
20°	13.8	14.5	15.1	15.8	16.3	17.0	17.7	18.4	19.0	19.4	19.8
22.5°	15.6	16.4	17.1	17.8	18.5	19.1	19.7	20.4	21.1	21.8	22.3
25°	17.2	18.2	19.1	19.9	20.6	21.3	21.9	22.5	23.2	24.0	25.6
27.5°	18.5	19.7	20.7	21.8	22.8	23.5	24.9	26.4	28.1	29.9	32.2
30°	19.8	21.0	22.3	23.7	25.4	27.2	29.0	30.9	33.0	35.3	37.9
32.5°	21.7	22.8	24.1	25.9	27.7	29.8	32.1	34.5	37.0	39.8	43.0
35°	23.3	24.9	26.2	27.7	29.7	31.9	34.4	37.2	40.3	43.6	47.3
37.5°	24.5	26.2	27.9	29.6	31.4	33.6	36.2	39.4	42.9	46.7	50.9
40°	25.6	27.3	29.1	31.1	33.1	35.2	37.9	41.0	44.9	49.2	54.1
42.5°	26.5	28.4	30.3	32.3	34.4	36.8	39.3	42.6	46.4	51.3	56.7
45°	27.4	29.4	31.4	33.4	35.6	38.1	40.9	43.9	48.0	53.0	58.8
47.5°	28.6	30.5	32.5	34.5	36.8	39.3	42.1	45.5	49.5	54.3	60.7
50°	29.6	31.8	33.8	35.9	38.0	40.5	43.4	47.0	52.0	57.6	63.7
52.5°	30.3	32.9	35.2	37.3	39.3	43.3	47.8	52.6	57.6	62.5	67.4
55°	31.4	33.7	36.7	40.5	44.5	48.7	53.4	58.4	63.4	68.1	72.1
57.5°	32.6	36.0	40.0	44.7	49.2	53.9	58.9	64.1	69.4	74.2	77.8
60°	34.6	38.7	42.9	48.2	53.4	58.8	64.3	69.8	75.4	80.4	83.9
62.5°	36.2	40.8	45.6	51.1	57.3	63.3	69.5	75.5	81.4	86.7	90.6
65°	37.7	42.4	47.9	53.7	60.6	67.5	74.3	81.1	87.4	93.3	97.7
67.5°	39.0	43.9	49.8	56.3	63.6	71.4	79.0	86.7	93.5	99.8	104.3
70°	40.0	45.3	51.5	58.5	66.4	75.1	83.5	92.0	99.5	105.7	109.3
72.5°	40.9	46.5	53.0	60.6	69.0	77.9	86.2	94.0	100.6	105.7	108.9
75°	41.7	47.7	54.5	62.3	70.5	79.1	87.4	95.0	101.5	106.2	108.8
77.5°	42.4	48.9	56.0	64.0	72.3	80.7	88.9	96.4	102.7	106.9	108.9
80°	43.2	50.2	57.6	65.9	74.5	82.8	90.7	98.1	104.2	108.0	109.2
82.5°	44.2	51.7	59.4	68.1	76.9	85.2	92.9	100.1	106.0	109.3	109.7
85°	45.4	53.4	61.5	70.5	79.7	88.0	95.3	102.3	107.9	110.7	110.2
87.5°	46.9	55.4	63.9	73.3	82.7	91.0	97.9	104.7	109.9	112.3	110.8
90°	48.8	57.7	66.6	76.4	86.1	94.3	100.8	107.3	112.1	113.8	111.3
92.5°	46.9	55.4	63.9	73.3	82.7	91.0	97.9	104.7	109.9	112.3	110.8
95°	45.4	53.4	61.5	70.5	79.7	88.0	95.3	102.3	107.9	110.7	110.2
97.5°	44.2	51.7	59.4	68.1	76.9	85.2	92.9	100.1	106.0	109.3	109.7
100°	43.2	50.2	57.6	65.9	74.5	82.8	90.7	98.1	104.2	108.0	109.2
102.5°	42.4	48.9	56.0	64.0	72.3	80.7	88.9	96.4	102.7	106.9	108.9
105°	41.7	47.7	54.5	62.3	70.5	79.1	87.4	95.0	101.5	106.2	108.8
107.5°	40.9	46.5	53.0	60.6	69.0	77.9	86.2	94.0	100.6	105.7	108.9
110°	40.0	45.3	51.5	58.5	66.4	75.1	83.5	92.0	99.5	105.7	109.3



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	39.0	43.9	49.8	56.3	63.6	71.4	79.0	86.7	93.5	99.8	104.3
115°	37.7	42.4	47.9	53.7	60.6	67.5	74.3	81.1	87.4	93.3	97.7
117.5°	36.2	40.8	45.6	51.1	57.3	63.3	69.5	75.5	81.4	86.7	90.6
120°	34.6	38.7	42.9	48.2	53.4	58.8	64.3	69.8	75.4	80.4	83.9
122.5°	32.6	36.0	40.0	44.7	49.2	53.9	58.9	64.1	69.4	74.2	77.8
125°	31.4	33.7	36.7	40.5	44.5	48.7	53.4	58.4	63.4	68.1	72.1
127.5°	30.3	32.9	35.2	37.3	39.3	43.3	47.8	52.6	57.6	62.5	67.4
130°	29.6	31.8	33.8	35.9	38.0	40.5	43.4	47.0	52.0	57.6	63.7
132.5°	28.6	30.5	32.5	34.5	36.8	39.3	42.1	45.5	49.5	54.3	60.7
135°	27.4	29.4	31.4	33.4	35.6	38.1	40.9	43.9	48.0	53.0	58.8
137.5°	26.5	28.4	30.3	32.3	34.4	36.8	39.3	42.6	46.4	51.3	56.7
140°	25.6	27.3	29.1	31.1	33.1	35.2	37.9	41.0	44.9	49.2	54.1
142.5°	24.5	26.2	27.9	29.6	31.4	33.6	36.2	39.4	42.9	46.7	50.9
145°	23.3	24.9	26.2	27.7	29.7	31.9	34.4	37.2	40.3	43.6	47.3
147.5°	21.7	22.8	24.1	25.9	27.7	29.8	32.1	34.5	37.0	39.8	43.0
150°	19.8	21.0	22.3	23.7	25.4	27.2	29.0	30.9	33.0	35.3	37.9
152.5°	18.5	19.7	20.7	21.8	22.8	23.5	24.9	26.4	28.1	29.9	32.2
155°	17.2	18.2	19.1	19.9	20.6	21.3	21.9	22.5	23.2	24.0	25.6
157.5°	15.6	16.4	17.1	17.8	18.5	19.1	19.7	20.4	21.1	21.8	22.3
160°	13.8	14.5	15.1	15.8	16.3	17.0	17.7	18.4	19.0	19.4	19.8
162.5°	12.0	12.6	13.2	13.9	14.5	15.1	15.7	16.1	16.6	16.9	17.3
165°	10.4	11.0	11.6	12.1	12.6	13.0	13.4	13.8	14.2	14.5	14.8
167.5°	8.8	9.2	9.7	10.1	10.5	10.8	11.2	11.5	11.8	12.1	12.3
170°	7.0	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.4	9.6	9.8
172.5°	5.2	5.5	5.8	6.0	6.2	6.5	6.7	6.9	7.1	7.2	7.4
175°	3.5	3.7	3.8	4.0	4.2	4.3	4.4	4.6	4.7	4.8	4.9
177.5°	1.8	1.8	1.9	2.0	2.1	2.2	2.3	2.3	2.4	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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	3.1
5°	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.5	5.6	5.6	6.3
7.5°	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4	9.4
10°	10.0	10.2	10.4	10.5	10.6	10.8	10.9	11.0	11.1	11.2	12.5
12.5°	12.6	12.8	12.9	13.1	13.2	13.4	13.6	13.8	13.9	14.0	15.6
15°	15.1	15.3	15.5	15.7	15.9	16.0	16.3	16.5	16.6	16.8	18.7
17.5°	17.6	17.9	18.1	18.4	18.6	18.7	18.9	19.2	19.4	19.6	21.8
20°	20.2	20.5	20.8	21.0	21.2	21.4	21.5	21.8	22.1	22.4	24.9
22.5°	22.7	23.1	23.4	23.6	23.9	24.1	24.2	24.5	24.9	25.2	28.0
25°	27.1	28.5	29.7	30.7	31.6	32.2	32.6	33.0	33.4	33.7	36.5
27.5°	34.6	36.5	38.2	39.6	40.6	41.3	41.6	41.8	42.1	42.2	45.1
30°	40.9	44.0	46.2	48.4	49.5	50.4	50.6	50.6	50.7	50.7	53.6
32.5°	46.5	50.4	53.8	56.6	58.4	59.4	59.7	59.5	59.4	59.2	62.0
35°	51.4	56.1	61.0	64.4	67.3	68.4	68.8	68.5	68.1	67.6	70.4
37.5°	55.8	61.1	67.1	71.9	76.1	77.3	78.0	77.5	76.9	76.1	78.8
40°	59.6	65.6	72.6	79.1	83.9	86.3	87.2	86.5	85.6	84.6	87.2
42.5°	62.7	69.8	77.5	86.2	91.6	95.2	96.5	95.5	94.4	93.1	95.5
45°	65.7	73.4	81.9	91.6	99.0	104.2	105.5	104.6	103.2	101.6	103.8
47.5°	68.1	75.9	84.2	93.3	101.1	107.0	108.5	109.2	109.8	110.6	115.5
50°	70.2	77.1	84.7	93.0	101.3	107.9	110.7	113.3	116.2	119.6	127.4
52.5°	73.1	79.2	85.8	93.1	101.4	108.5	112.7	117.0	122.4	128.7	139.5
55°	77.0	82.0	87.4	93.7	101.4	109.0	114.6	120.4	128.4	137.7	151.8
57.5°	81.4	85.4	89.7	94.7	101.8	109.6	116.3	123.6	134.2	146.7	164.2
60°	86.4	89.4	92.6	96.5	102.4	110.2	117.9	126.6	140.0	155.7	176.7
62.5°	92.0	94.0	95.9	98.6	103.4	110.7	119.3	129.3	145.6	164.8	189.4
65°	98.2	99.0	99.8	101.1	104.6	111.4	120.7	131.9	151.1	173.8	202.2
67.5°	104.7	104.4	104.0	104.0	106.0	112.0	122.0	134.3	156.5	182.8	215.0
70°	108.9	106.9	105.1	104.1	105.4	110.7	120.9	132.9	154.9	181.2	213.9
72.5°	108.7	106.3	104.3	103.0	104.2	109.2	119.7	131.5	153.3	179.6	212.6
75°	108.4	105.8	103.5	101.9	103.1	107.8	118.5	130.2	151.8	177.9	212.4
77.5°	108.2	105.2	102.7	100.8	102.1	106.4	117.4	129.0	150.3	176.3	210.6
80°	107.9	104.7	101.8	99.7	101.1	105.2	116.4	127.8	148.9	174.7	208.8
82.5°	107.7	104.2	101.0	98.5	100.1	103.9	115.5	126.8	147.6	173.1	206.9
85°	107.3	103.6	100.1	97.4	99.2	102.8	114.6	125.9	146.3	171.4	205.1
87.5°	106.9	103.0	99.2	96.2	98.3	101.8	113.8	125.1	145.0	169.8	203.3
90°	106.5	102.4	98.3	95.1	97.5	100.8	113.0	124.3	143.8	168.2	201.5
92.5°	106.9	103.0	99.2	96.2	98.3	101.8	113.8	125.1	145.0	169.8	203.3
95°	107.3	103.6	100.1	97.4	99.2	102.8	114.6	125.9	146.3	171.4	205.1
97.5°	107.7	104.2	101.0	98.5	100.1	103.9	115.5	126.8	147.6	173.1	206.9
100°	107.9	104.7	101.8	99.7	101.1	105.2	116.4	127.8	148.9	174.7	208.8
102.5°	108.2	105.2	102.7	100.8	102.1	106.4	117.4	129.0	150.3	176.3	210.6
105°	108.4	105.8	103.5	101.9	103.1	107.8	118.5	130.2	151.8	177.9	212.4
107.5°	108.7	106.3	104.3	103.0	104.2	109.2	119.7	131.5	153.3	179.6	212.6
110°	108.9	106.9	105.1	104.1	105.4	110.7	120.9	132.9	154.9	181.2	213.9





TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	104.7	104.4	104.0	104.0	106.0	112.0	122.0	134.3	156.5	182.8	215.0
115°	98.2	99.0	99.8	101.1	104.6	111.4	120.7	131.9	151.1	173.8	202.2
117.5°	92.0	94.0	95.9	98.6	103.4	110.7	119.3	129.3	145.6	164.8	189.4
120°	86.4	89.4	92.6	96.5	102.4	110.2	117.9	126.6	140.0	155.7	176.7
122.5°	81.4	85.4	89.7	94.7	101.8	109.6	116.3	123.6	134.2	146.7	164.2
125°	77.0	82.0	87.4	93.7	101.4	109.0	114.6	120.4	128.4	137.7	151.8
127.5°	73.1	79.2	85.8	93.1	101.4	108.5	112.7	117.0	122.4	128.7	139.5
130°	70.2	77.1	84.7	93.0	101.3	107.9	110.7	113.3	116.2	119.6	127.4
132.5°	68.1	75.9	84.2	93.3	101.1	107.0	108.5	109.2	109.8	110.6	115.5
135°	65.7	73.4	81.9	91.6	99.0	104.2	105.5	104.6	103.2	101.6	103.8
137.5°	62.7	69.8	77.5	86.2	91.6	95.2	96.5	95.5	94.4	93.1	95.5
140°	59.6	65.6	72.6	79.1	83.9	86.3	87.2	86.5	85.6	84.6	87.2
142.5°	55.8	61.1	67.1	71.9	76.1	77.3	78.0	77.5	76.9	76.1	78.8
145°	51.4	56.1	61.0	64.4	67.3	68.4	68.8	68.5	68.1	67.6	70.4
147.5°	46.5	50.4	53.8	56.6	58.4	59.4	59.7	59.5	59.4	59.2	62.0
150°	40.9	44.0	46.2	48.4	49.5	50.4	50.6	50.6	50.7	50.7	53.6
152.5°	34.6	36.5	38.2	39.6	40.6	41.3	41.6	41.8	42.1	42.2	45.1
155°	27.1	28.5	29.7	30.7	31.6	32.2	32.6	33.0	33.4	33.7	36.5
157.5°	22.7	23.1	23.4	23.6	23.9	24.1	24.2	24.5	24.9	25.2	28.0
160°	20.2	20.5	20.8	21.0	21.2	21.4	21.5	21.8	22.1	22.4	24.9
162.5°	17.6	17.9	18.1	18.4	18.6	18.7	18.9	19.2	19.4	19.6	21.8
165°	15.1	15.3	15.5	15.7	15.9	16.0	16.3	16.5	16.6	16.8	18.7
167.5°	12.6	12.8	12.9	13.1	13.2	13.4	13.6	13.8	13.9	14.0	15.6
170°	10.0	10.2	10.4	10.5	10.6	10.8	10.9	11.0	11.1	11.2	12.5
172.5°	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4	9.4
175°	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.5	5.6	5.6	6.3
177.5°	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	3.5	3.8	4.1	4.5	4.8	5.1	5.4	5.7	5.9	6.2	6.4
5°	7.0	7.6	8.3	8.9	9.5	10.1	10.7	11.2	11.8	12.3	12.8
7.5°	10.4	11.4	12.3	13.3	14.2	15.1	16.0	17.4	18.6	19.9	21.1
10°	13.8	15.1	16.4	17.6	18.9	20.8	22.6	24.4	26.1	27.7	29.4
12.5°	17.3	18.8	20.4	22.2	24.6	26.8	29.1	31.3	33.4	35.6	37.6
15°	20.7	22.5	24.5	27.3	30.1	32.8	35.5	38.1	40.7	43.1	45.9
17.5°	24.0	26.2	29.1	32.4	35.6	38.7	41.7	44.7	47.6	50.4	53.1
20°	27.4	29.9	33.6	37.3	41.0	44.4	47.7	51.0	54.2	57.3	60.3
22.5°	30.7	34.0	38.1	42.3	46.1	49.8	53.4	57.0	60.5	63.8	66.8
25°	39.2	42.8	47.0	50.9	54.4	57.9	61.1	64.3	67.1	69.5	72.6
27.5°	47.8	51.9	56.3	60.3	64.0	67.6	70.9	74.1	76.6	79.0	81.3
30°	56.3	60.9	65.5	69.5	73.6	77.0	80.4	83.2	85.8	88.2	90.5
32.5°	65.0	69.8	74.3	78.5	82.4	86.0	89.2	91.9	94.5	96.9	99.7
35°	73.7	78.5	83.1	87.4	91.2	95.0	97.7	100.4	102.8	105.4	108.8
37.5°	82.2	87.1	91.7	96.1	99.7	103.0	105.8	108.3	110.9	113.8	117.5
40°	90.7	95.6	100.2	104.4	108.0	111.0	113.7	116.0	118.6	121.5	127.2
42.5°	99.1	104.0	108.6	112.6	115.9	118.7	121.1	123.3	125.8	129.9	136.0
45°	107.5	112.2	116.9	120.5	123.6	126.2	128.2	130.3	132.5	138.0	144.8
47.5°	122.1	129.0	134.5	136.7	137.9	138.5	138.5	137.9	139.9	145.7	153.4
50°	137.4	147.1	154.2	155.9	156.5	156.7	156.8	156.1	157.7	160.9	165.8
52.5°	153.1	165.5	173.6	175.0	174.7	175.0	175.0	174.5	176.6	180.7	186.0
55°	169.2	184.2	192.8	193.8	192.7	193.3	193.1	193.3	195.4	199.9	204.9
57.5°	185.6	203.2	211.9	212.2	210.6	211.7	211.2	211.8	214.4	218.5	222.9
60°	202.3	222.5	231.0	230.5	228.8	229.9	229.1	229.9	232.9	236.2	239.5
62.5°	219.3	242.0	249.9	248.5	247.0	247.9	247.1	247.7	251.0	253.0	255.2
65°	236.5	261.7	268.8	266.4	265.1	265.9	265.1	265.7	268.6	268.9	269.8
67.5°	253.8	281.5	287.5	284.2	283.3	283.8	282.9	283.5	285.1	284.0	283.4
70°	254.1	284.6	294.2	294.1	294.8	295.5	295.5	297.0	298.5	297.7	296.1
72.5°	253.6	286.5	299.8	302.7	303.5	303.5	303.0	303.7	303.2	301.3	300.2
75°	253.1	288.5	305.8	311.6	312.0	311.4	310.3	309.8	307.6	304.6	303.4
77.5°	252.3	290.4	312.2	320.9	320.3	319.2	317.5	315.6	311.7	307.6	306.6
80°	252.8	292.3	318.8	330.4	328.5	327.1	324.6	321.1	315.7	310.5	309.9
82.5°	251.1	295.2	326.7	340.0	336.6	334.9	331.6	326.4	319.6	313.3	313.3
85°	249.5	296.2	332.9	350.1	344.5	342.7	338.5	331.4	323.5	316.0	316.7
87.5°	247.8	297.2	339.2	359.5	352.7	350.5	345.6	336.7	327.4	318.7	320.1
90°	246.2	298.2	345.4	368.9	360.8	358.4	352.7	342.1	331.6	321.8	323.4
92.5°	247.8	297.2	339.2	359.5	352.7	350.5	345.6	336.7	327.4	318.7	320.1
95°	249.5	296.2	332.9	350.1	344.5	342.7	338.5	331.4	323.5	316.0	316.7
97.5°	251.1	295.2	326.7	340.0	336.6	334.9	331.6	326.4	319.6	313.3	313.3
100°	252.8	292.3	318.8	330.4	328.5	327.1	324.6	321.1	315.7	310.5	309.9
102.5°	252.3	290.4	312.2	320.9	320.3	319.2	317.5	315.6	311.7	307.6	306.6
105°	253.1	288.5	305.8	311.6	312.0	311.4	310.3	309.8	307.6	304.6	303.4
107.5°	253.6	286.5	299.8	302.7	303.5	303.5	303.0	303.7	303.2	301.3	300.2
110°	254.1	284.6	294.2	294.1	294.8	295.5	295.5	297.0	298.5	297.7	296.1



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	253.8	281.5	287.5	284.2	283.3	283.8	282.9	283.5	285.1	284.0	283.4
115°	236.5	261.7	268.8	266.4	265.1	265.9	265.1	265.7	268.6	268.9	269.8
117.5°	219.3	242.0	249.9	248.5	247.0	247.9	247.1	247.7	251.0	253.0	255.2
120°	202.3	222.5	231.0	230.5	228.8	229.9	229.1	229.9	232.9	236.2	239.5
122.5°	185.6	203.2	211.9	212.2	210.6	211.7	211.2	211.8	214.4	218.5	222.9
125°	169.2	184.2	192.8	193.8	192.7	193.3	193.1	193.3	195.4	199.9	204.9
127.5°	153.1	165.5	173.6	175.0	174.7	175.0	175.0	174.5	176.6	180.7	186.0
130°	137.4	147.1	154.2	155.9	156.5	156.7	156.8	156.1	157.7	160.9	165.8
132.5°	122.1	129.0	134.5	136.7	137.9	138.5	138.5	137.9	139.9	145.7	153.4
135°	107.5	112.2	116.9	120.5	123.6	126.2	128.2	130.3	132.5	138.0	144.8
137.5°	99.1	104.0	108.6	112.6	115.9	118.7	121.1	123.3	125.8	129.9	136.0
140°	90.7	95.6	100.2	104.4	108.0	111.0	113.7	116.0	118.6	121.5	127.2
142.5°	82.2	87.1	91.7	96.1	99.7	103.0	105.8	108.3	110.9	113.8	117.5
145°	73.7	78.5	83.1	87.4	91.2	95.0	97.7	100.4	102.8	105.4	108.8
147.5°	65.0	69.8	74.3	78.5	82.4	86.0	89.2	91.9	94.5	96.9	99.7
150°	56.3	60.9	65.5	69.5	73.6	77.0	80.4	83.2	85.8	88.2	90.5
152.5°	47.8	51.9	56.3	60.3	64.0	67.6	70.9	74.1	76.6	79.0	81.3
155°	39.2	42.8	47.0	50.9	54.4	57.9	61.1	64.3	67.1	69.5	72.6
157.5°	30.7	34.0	38.1	42.3	46.1	49.8	53.4	57.0	60.5	63.8	66.8
160°	27.4	29.9	33.6	37.3	41.0	44.4	47.7	51.0	54.2	57.3	60.3
162.5°	24.0	26.2	29.1	32.4	35.6	38.7	41.7	44.7	47.6	50.4	53.1
165°	20.7	22.5	24.5	27.3	30.1	32.8	35.5	38.1	40.7	43.1	45.9
167.5°	17.3	18.8	20.4	22.2	24.6	26.8	29.1	31.3	33.4	35.6	37.6
170°	13.8	15.1	16.4	17.6	18.9	20.8	22.6	24.4	26.1	27.7	29.4
172.5°	10.4	11.4	12.3	13.3	14.2	15.1	16.0	17.4	18.6	19.9	21.1
175°	7.0	7.6	8.3	8.9	9.5	10.1	10.7	11.2	11.8	12.3	12.8
177.5°	3.5	3.8	4.1	4.5	4.8	5.1	5.4	5.7	5.9	6.2	6.4
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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	6.7	6.9	7.1	7.3	7.5	7.7	7.8	8.0	8.1	8.2	8.3
5°	13.6	14.3	15.0	15.7	16.3	16.9	17.5	18.0	18.5	18.9	19.3
7.5°	22.3	23.4	24.4	25.4	26.4	27.4	28.4	29.2	30.1	30.8	31.5
10°	30.9	32.5	34.0	35.5	36.9	38.2	39.5	40.6	41.7	42.7	43.6
12.5°	39.6	41.6	43.4	45.2	46.8	48.4	49.9	51.3	52.7	54.0	55.2
15°	47.9	50.1	52.3	54.3	56.3	58.2	60.1	61.9	63.6	65.2	66.9
17.5°	55.7	58.6	60.7	63.1	65.4	67.6	69.9	72.4	74.7	77.0	79.3
20°	63.1	65.8	68.5	71.2	74.0	76.9	79.7	82.4	84.9	87.1	89.3
22.5°	69.7	72.7	75.8	78.9	82.1	85.3	88.4	91.3	94.1	96.7	98.8
25°	75.8	79.0	82.6	86.1	90.0	93.6	97.8	101.6	104.8	107.6	110.0
27.5°	83.4	86.0	89.4	93.8	99.3	104.8	110.2	113.9	117.6	120.7	123.5
30°	93.3	96.7	100.6	106.4	112.0	117.7	123.1	127.9	132.5	136.3	139.8
32.5°	103.2	107.6	113.7	119.7	125.9	131.9	138.3	144.5	149.4	153.4	157.0
35°	113.2	119.4	125.8	132.5	139.3	146.6	153.7	159.9	165.8	171.2	176.4
37.5°	123.8	130.4	137.5	145.1	153.1	160.8	167.9	175.0	182.4	190.0	197.4
40°	133.6	141.2	149.1	157.8	166.3	174.3	182.8	191.4	200.2	209.4	219.2
42.5°	143.5	151.6	160.9	170.1	179.1	188.9	198.5	208.6	219.5	230.6	242.7
45°	152.8	162.4	172.3	182.1	192.9	203.8	214.5	225.6	238.3	252.2	268.2
47.5°	162.5	172.7	183.5	194.9	207.0	218.1	229.7	242.8	258.1	275.0	297.7
50°	172.6	183.1	194.9	208.1	219.9	231.5	244.5	260.3	278.7	303.5	330.6
52.5°	192.3	199.9	209.8	220.1	232.2	244.1	259.3	278.0	303.7	333.2	366.6
55°	210.9	218.3	228.4	236.3	245.6	256.6	273.7	299.2	329.3	364.3	407.0
57.5°	228.0	235.2	243.1	251.2	260.7	274.6	294.5	320.4	355.9	399.9	448.2
60°	243.9	250.2	257.0	265.2	276.4	292.1	316.6	348.8	388.2	434.8	489.0
62.5°	258.6	263.6	269.7	278.0	291.1	311.6	340.1	376.1	422.1	473.9	534.1
65°	271.9	275.8	281.8	291.0	305.3	328.7	362.4	404.9	455.0	512.7	582.3
67.5°	283.7	287.0	292.9	303.2	320.6	347.4	384.0	429.6	485.1	552.8	626.9
70°	294.9	297.4	303.0	314.0	333.7	364.5	404.7	454.8	515.7	587.4	666.8
72.5°	301.3	305.8	312.9	324.9	345.5	380.7	421.6	476.2	543.1	616.6	699.0
75°	306.0	312.2	321.5	336.3	360.3	395.3	438.8	495.2	564.8	638.6	726.5
77.5°	310.9	318.9	329.9	347.0	373.9	411.1	458.6	517.6	585.3	659.9	747.4
80°	315.9	325.6	338.1	357.0	385.8	425.1	475.2	535.4	602.3	681.4	771.6
82.5°	321.0	332.3	346.0	366.3	396.2	437.3	488.7	548.4	614.3	697.3	789.0
85°	326.1	338.8	353.6	374.7	405.0	447.6	499.2	557.2	621.5	707.5	799.5
87.5°	331.1	345.4	360.9	382.8	413.0	456.9	508.1	563.7	626.1	714.9	806.4
90°	335.6	351.1	367.3	389.3	418.5	462.4	512.0	564.0	623.3	711.1	800.5
92.5°	331.1	345.4	360.9	382.8	413.0	456.9	508.1	563.7	626.1	714.9	806.4
95°	326.1	338.8	353.6	374.7	405.0	447.6	499.2	557.2	621.5	707.5	799.5
97.5°	321.0	332.3	346.0	366.3	396.2	437.3	488.7	548.4	614.3	697.3	789.0
100°	315.9	325.6	338.1	357.0	385.8	425.1	475.2	535.4	602.3	681.4	771.6
102.5°	310.9	318.9	329.9	347.0	373.9	411.1	458.6	517.6	585.3	659.9	747.4
105°	306.0	312.2	321.5	336.3	360.3	395.3	438.8	495.2	564.8	638.6	726.5
107.5°	301.3	305.8	312.9	324.9	345.5	380.7	421.6	476.2	543.1	616.6	699.0
110°	294.9	297.4	303.0	314.0	333.7	364.5	404.7	454.8	515.7	587.4	666.8



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	283.7	287.0	292.9	303.2	320.6	347.4	384.0	429.6	485.1	552.8	626.9
115°	271.9	275.8	281.8	291.0	305.3	328.7	362.4	404.9	455.0	512.7	582.3
117.5°	258.6	263.6	269.7	278.0	291.1	311.6	340.1	376.1	422.1	473.9	534.1
120°	243.9	250.2	257.0	265.2	276.4	292.1	316.6	348.8	388.2	434.8	489.0
122.5°	228.0	235.2	243.1	251.2	260.7	274.6	294.5	320.4	355.9	399.9	448.2
125°	210.9	218.3	228.4	236.3	245.6	256.6	273.7	299.2	329.3	364.3	407.0
127.5°	192.3	199.9	209.8	220.1	232.2	244.1	259.3	278.0	303.7	333.2	366.6
130°	172.6	183.1	194.9	208.1	219.9	231.5	244.5	260.3	278.7	303.5	330.6
132.5°	162.5	172.7	183.5	194.9	207.0	218.1	229.7	242.8	258.1	275.0	297.7
135°	152.8	162.4	172.3	182.1	192.9	203.8	214.5	225.6	238.3	252.2	268.2
137.5°	143.5	151.6	160.9	170.1	179.1	188.9	198.5	208.6	219.5	230.6	242.7
140°	133.6	141.2	149.1	157.8	166.3	174.3	182.8	191.4	200.2	209.4	219.2
142.5°	123.8	130.4	137.5	145.1	153.1	160.8	167.9	175.0	182.4	190.0	197.4
145°	113.2	119.4	125.8	132.5	139.3	146.6	153.7	159.9	165.8	171.2	176.4
147.5°	103.2	107.6	113.7	119.7	125.9	131.9	138.3	144.5	149.4	153.4	157.0
150°	93.3	96.7	100.6	106.4	112.0	117.7	123.1	127.9	132.5	136.3	139.8
152.5°	83.4	86.0	89.4	93.8	99.3	104.8	110.2	113.9	117.6	120.7	123.5
155°	75.8	79.0	82.6	86.1	90.0	93.6	97.8	101.6	104.8	107.6	110.0
157.5°	69.7	72.7	75.8	78.9	82.1	85.3	88.4	91.3	94.1	96.7	98.8
160°	63.1	65.8	68.5	71.2	74.0	76.9	79.7	82.4	84.9	87.1	89.3
162.5°	55.7	58.6	60.7	63.1	65.4	67.6	69.9	72.4	74.7	77.0	79.3
165°	47.9	50.1	52.3	54.3	56.3	58.2	60.1	61.9	63.6	65.2	66.9
167.5°	39.6	41.6	43.4	45.2	46.8	48.4	49.9	51.3	52.7	54.0	55.2
170°	30.9	32.5	34.0	35.5	36.9	38.2	39.5	40.6	41.7	42.7	43.6
172.5°	22.3	23.4	24.4	25.4	26.4	27.4	28.4	29.2	30.1	30.8	31.5
175°	13.6	14.3	15.0	15.7	16.3	16.9	17.5	18.0	18.5	18.9	19.3
177.5°	6.7	6.9	7.1	7.3	7.5	7.7	7.8	8.0	8.1	8.2	8.3
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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-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°	8.4	8.4	8.5	8.5	8.5	8.5	8.8	8.7	8.6	8.5	8.3
5°	19.7	20.0	20.2	20.5	20.6	20.8	20.8	20.9	21.2	21.0	20.8
7.5°	32.1	32.7	33.2	33.6	34.0	34.3	34.5	34.6	34.7	35.0	34.7
10°	44.4	45.1	45.7	46.3	46.8	47.1	47.4	47.6	47.7	48.1	47.8
12.5°	56.3	57.4	58.4	59.2	60.0	60.6	61.2	61.6	61.9	62.1	62.4
15°	68.6	70.3	71.8	73.2	74.6	75.7	76.8	77.7	78.4	79.0	79.8
17.5°	81.3	82.9	84.3	85.6	86.7	87.7	88.5	89.2	89.7	90.0	90.5
20°	91.2	92.9	94.0	94.8	95.4	95.7	95.7	95.6	95.3	94.8	94.2
22.5°	100.5	101.8	102.9	103.7	104.2	104.4	104.2	103.8	103.1	102.2	101.3
25°	112.0	113.5	114.5	115.4	115.8	115.7	115.3	114.4	113.2	111.7	109.9
27.5°	125.9	127.6	128.8	129.7	130.7	131.1	131.2	130.8	130.0	128.8	127.2
30°	142.2	144.6	146.5	148.0	150.3	152.2	153.6	154.5	154.9	154.7	153.8
32.5°	160.4	164.4	168.1	171.4	175.4	179.7	183.5	186.8	189.3	191.1	192.1
35°	181.2	187.3	193.8	200.1	206.3	213.0	219.1	224.5	229.0	232.6	235.1
37.5°	205.0	213.1	222.5	231.6	240.3	249.9	259.2	267.7	275.1	281.5	286.4
40°	230.2	241.1	253.4	266.1	278.5	292.2	306.8	320.0	331.7	341.6	349.6
42.5°	256.8	271.2	287.2	307.0	326.0	344.5	363.9	381.9	398.0	412.0	423.7
45°	285.6	308.0	329.9	354.6	379.3	405.6	429.3	454.2	476.8	496.7	513.5
47.5°	322.2	349.6	377.4	407.0	440.1	472.3	505.2	537.1	566.1	591.7	613.4
50°	361.8	394.5	431.7	467.8	508.0	548.9	589.8	632.3	670.7	704.3	732.8
52.5°	405.3	446.4	491.1	536.1	586.5	639.1	690.5	740.8	783.1	817.6	844.6
55°	452.1	501.8	555.1	615.4	677.0	743.4	804.1	852.3	889.1	915.7	933.4
57.5°	500.6	561.5	627.2	700.3	778.6	847.2	914.9	953.5	977.0	993.1	1002.5
60°	553.3	623.8	702.0	782.3	862.9	933.6	991.8	1027.7	1038.6	1046.7	1051.9
62.5°	605.0	684.8	769.6	856.4	932.6	997.8	1040.0	1069.4	1080.8	1089.1	1094.1
65°	657.4	738.8	830.0	918.2	992.4	1048.3	1083.6	1107.1	1117.3	1124.4	1130.3
67.5°	707.2	794.5	887.7	978.5	1051.6	1098.0	1124.3	1136.4	1145.0	1155.1	1162.1
70°	752.3	846.3	943.2	1038.1	1105.2	1135.8	1152.6	1164.0	1174.3	1180.3	1187.2
72.5°	791.0	888.8	989.1	1076.5	1134.7	1162.4	1175.1	1186.3	1194.6	1199.7	1207.4
75°	822.0	922.2	1021.9	1105.7	1157.7	1180.1	1194.3	1204.5	1211.5	1219.3	1225.0
77.5°	843.9	946.0	1051.3	1132.0	1176.7	1197.8	1209.5	1215.9	1226.9	1235.3	1242.2
80°	866.7	968.4	1073.4	1157.1	1197.9	1212.0	1216.9	1228.3	1238.7	1246.7	1256.3
82.5°	885.9	991.4	1095.3	1171.0	1206.9	1217.3	1224.3	1237.1	1246.8	1263.5	1268.4
85°	897.3	1004.8	1109.1	1179.9	1208.6	1218.9	1229.7	1243.8	1251.7	1264.4	1274.5
87.5°	904.8	1008.5	1114.0	1184.6	1209.4	1220.4	1231.6	1245.3	1250.3	1265.7	1274.9
90°	897.2	1002.8	1109.3	1183.2	1208.4	1221.4	1231.2	1243.3	1250.7	1269.3	1270.2
92.5°	904.8	1008.5	1114.0	1184.6	1209.4	1220.4	1231.6	1245.3	1250.3	1265.7	1274.9
95°	897.3	1004.8	1109.1	1179.9	1208.6	1218.9	1229.7	1243.8	1251.7	1264.4	1274.5
97.5°	885.9	991.4	1095.3	1171.0	1206.9	1217.3	1224.3	1237.1	1246.8	1263.5	1268.4
100°	866.7	968.4	1073.4	1157.1	1197.9	1212.0	1216.9	1228.3	1238.7	1246.7	1256.3
102.5°	843.9	946.0	1051.3	1132.0	1176.7	1197.8	1209.5	1215.9	1226.9	1235.3	1242.2
105°	822.0	922.2	1021.9	1105.7	1157.7	1180.1	1194.3	1204.5	1211.5	1219.3	1225.0
107.5°	791.0	888.8	989.1	1076.5	1134.7	1162.4	1175.1	1186.3	1194.6	1199.7	1207.4
110°	752.3	846.3	943.2	1038.1	1105.2	1135.8	1152.6	1164.0	1174.3	1180.3	1187.2



TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	707.2	794.5	887.7	978.5	1051.6	1098.0	1124.3	1136.4	1145.0	1155.1	1162.1
115°	657.4	738.8	830.0	918.2	992.4	1048.3	1083.6	1107.1	1117.3	1124.4	1130.3
117.5°	605.0	684.8	769.6	856.4	932.6	997.8	1040.0	1069.4	1080.8	1089.1	1094.1
120°	553.3	623.8	702.0	782.3	862.9	933.6	991.8	1027.7	1038.6	1046.7	1051.9
122.5°	500.6	561.5	627.2	700.3	778.6	847.2	914.9	953.5	977.0	993.1	1002.5
125°	452.1	501.8	555.1	615.4	677.0	743.4	804.1	852.3	889.1	915.7	933.4
127.5°	405.3	446.4	491.1	536.1	586.5	639.1	690.5	740.8	783.1	817.6	844.6
130°	361.8	394.5	431.7	467.8	508.0	548.9	589.8	632.3	670.7	704.3	732.8
132.5°	322.2	349.6	377.4	407.0	440.1	472.3	505.2	537.1	566.1	591.7	613.4
135°	285.6	308.0	329.9	354.6	379.3	405.6	429.3	454.2	476.8	496.7	513.5
137.5°	256.8	271.2	287.2	307.0	326.0	344.5	363.9	381.9	398.0	412.0	423.7
140°	230.2	241.1	253.4	266.1	278.5	292.2	306.8	320.0	331.7	341.6	349.6
142.5°	205.0	213.1	222.5	231.6	240.3	249.9	259.2	267.7	275.1	281.5	286.4
145°	181.2	187.3	193.8	200.1	206.3	213.0	219.1	224.5	229.0	232.6	235.1
147.5°	160.4	164.4	168.1	171.4	175.4	179.7	183.5	186.8	189.3	191.1	192.1
150°	142.2	144.6	146.5	148.0	150.3	152.2	153.6	154.5	154.9	154.7	153.8
152.5°	125.9	127.6	128.8	129.7	130.7	131.1	131.2	130.8	130.0	128.8	127.2
155°	112.0	113.5	114.5	115.4	115.8	115.7	115.3	114.4	113.2	111.7	109.9
157.5°	100.5	101.8	102.9	103.7	104.2	104.4	104.2	103.8	103.1	102.2	101.3
160°	91.2	92.9	94.0	94.8	95.4	95.7	95.7	95.6	95.3	94.8	94.2
162.5°	81.3	82.9	84.3	85.6	86.7	87.7	88.5	89.2	89.7	90.0	90.5
165°	68.6	70.3	71.8	73.2	74.6	75.7	76.8	77.7	78.4	79.0	79.8
167.5°	56.3	57.4	58.4	59.2	60.0	60.6	61.2	61.6	61.9	62.1	62.4
170°	44.4	45.1	45.7	46.3	46.8	47.1	47.4	47.6	47.7	48.1	47.8
172.5°	32.1	32.7	33.2	33.6	34.0	34.3	34.5	34.6	34.7	35.0	34.7
175°	19.7	20.0	20.2	20.5	20.6	20.8	20.8	20.9	21.2	21.0	20.8
177.5°	8.4	8.4	8.5	8.5	8.5	8.5	8.8	8.7	8.6	8.5	8.3
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: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	0.0	0.0
2.5°	8.2	8.1
5°	20.5	20.3
7.5°	34.4	34.1
10°	47.5	47.1
12.5°	62.1	61.8
15°	79.7	79.6
17.5°	90.4	90.2
20°	93.4	92.6
22.5°	99.8	98.3
25°	107.9	105.6
27.5°	125.3	122.7
30°	152.7	150.3
32.5°	192.6	191.0
35°	237.1	236.5
37.5°	290.8	291.7
40°	356.8	359.2
42.5°	434.3	438.8
45°	528.9	536.3
47.5°	633.4	643.6
50°	758.8	772.0
52.5°	867.6	877.7
55°	946.0	947.5
57.5°	1008.1	1004.4
60°	1055.7	1052.4
62.5°	1095.7	1093.8
65°	1134.3	1135.3
67.5°	1165.8	1166.1
70°	1192.9	1196.2
72.5°	1211.5	1212.5
75°	1227.9	1227.9
77.5°	1247.5	1249.8
80°	1261.3	1264.5
82.5°	1270.3	1271.8
85°	1280.1	1281.5
87.5°	1280.4	1285.6
90°	1277.5	1283.2
92.5°	1280.4	1285.6
95°	1280.1	1281.5
97.5°	1270.3	1271.8
100°	1261.3	1264.5
102.5°	1247.5	1249.8
105°	1227.9	1227.9
107.5°	1211.5	1212.5
110°	1192.9	1196.2





TEST NUMBER: P232045

CATALOG NUMBER: FVS4WM-3-LD4-35-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1165.8	1166.1
115°	1134.3	1135.3
117.5°	1095.7	1093.8
120°	1055.7	1052.4
122.5°	1008.1	1004.4
125°	946.0	947.5
127.5°	867.6	877.7
130°	758.8	772.0
132.5°	633.4	643.6
135°	528.9	536.3
137.5°	434.3	438.8
140°	356.8	359.2
142.5°	290.8	291.7
145°	237.1	236.5
147.5°	192.6	191.0
150°	152.7	150.3
152.5°	125.3	122.7
155°	107.9	105.6
157.5°	99.8	98.3
160°	93.4	92.6
162.5°	90.4	90.2
165°	79.7	79.6
167.5°	62.1	61.8
170°	47.5	47.1
172.5°	34.4	34.1
175°	20.5	20.3
177.5°	8.2	8.1
180°	0.0	0.0

(END OF REPORT)