

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: P231901

Luminaire Tested: **FVS4WM-2-LD4-35-1STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-2-LD4-35-1STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (42) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

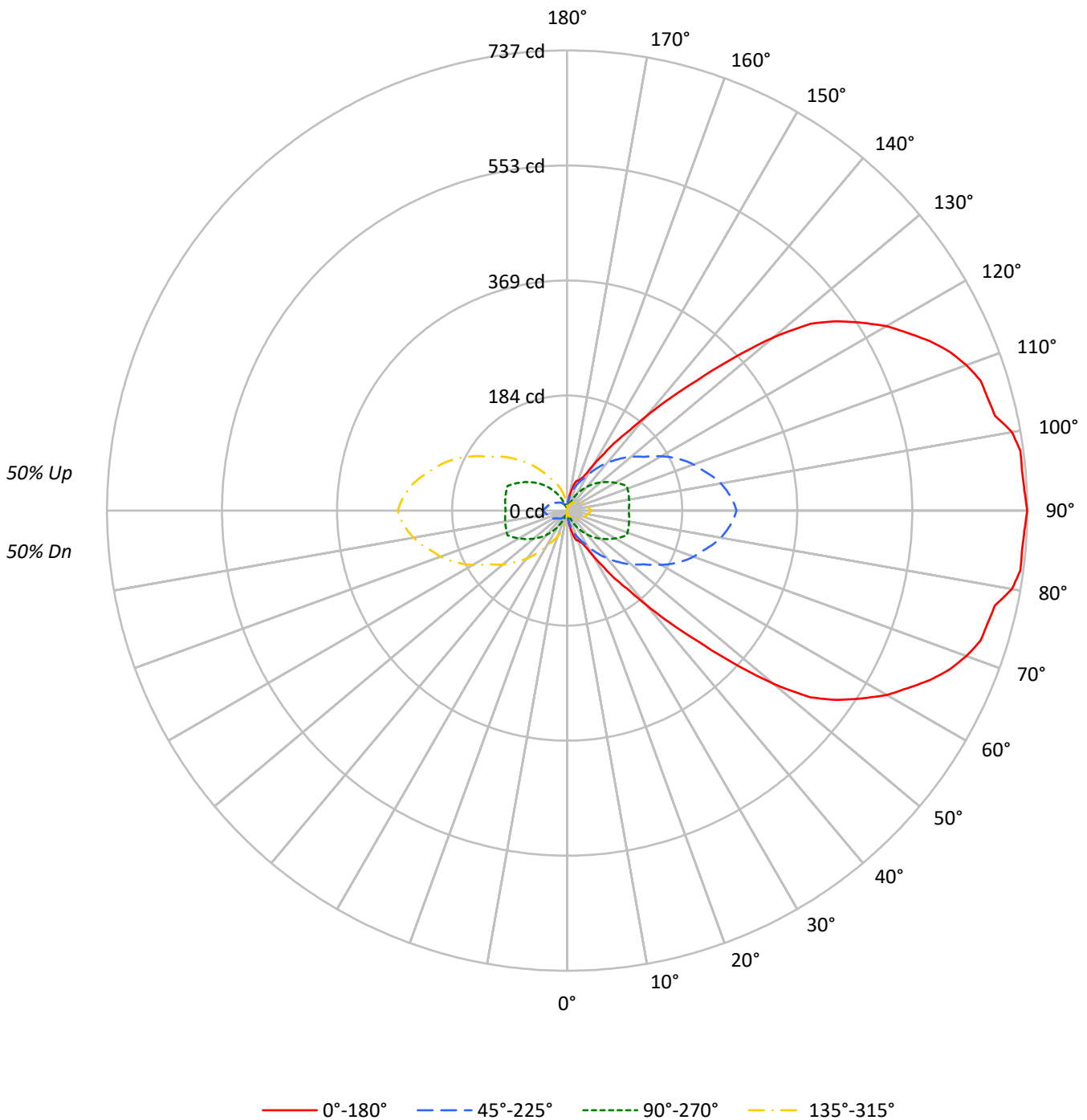
Lumens per Lamp: N/A
Luminaire Lumens: 1706.1 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 16.99
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





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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	62	58	54	50	46	43	38	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	48	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	32	58	46	37	29	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	13	10	6
6	53	39	29	22	48	35	26	20	28	21	16	22	16	12	16	11	8	5
7	49	35	25	19	44	31	23	17	25	18	13	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°	312	95	0	95
10°	616	189	0	189
15°	937	282	0	282
20°	1010	382	0	382
25°	1079	596	0	596
30°	1500	939	0	939
35°	2227	1309	0	1309
40°	3202	1727	0	1727
45°	4686	2200	0	2200
50°	6736	2731	0	2731
55°	8168	3367	0	3367
60°	9104	4162	0	4162
65°	9941	5178	0	5178
70°	10683	6223	0	6223
75°	11176	7324	0	7324
80°	11939	9025	0	9025
85°	12538	11965	0	11965



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	5.3	0.3
20°-30°	14.3	0.8
30°-40°	33.1	1.9
40°-50°	65.7	3.9
50°-60°	117.9	6.9
60°-70°	173.0	10.1
70°-80°	211.5	12.4
80°-90°	231.4	13.6
90°-100°	231.4	13.6
100°-110°	211.5	12.4
110°-120°	173.0	10.1
120°-130°	117.9	6.9
130°-140°	65.7	3.9
140°-150°	33.1	1.9
150°-160°	14.3	0.8
160°-170°	5.3	0.3
170°-180°	0.7	0.0
0°-30°	20.4	1.2
0°-40°	53.4	3.1
0°-60°	237.1	13.9
0°-90°	853.1	50.0
90°-120°	616.0	36.1
90°-150°	832.7	48.8
90°-180°	853.0	50.0
0°-180°	1706.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	12	3	0	3	12	2
15°	44	10	0	10	44	12
25°	58	19	0	19	58	29
35°	132	40	0	40	132	85
45°	295	60	0	60	295	238
55°	529	80	0	80	529	470
65°	642	99	0	99	642	635
75°	697	102	0	102	697	739
85°	732	100	0	100	732	597
90°	737	99	0	99	737	403
95°	732	100	0	100	732	597
105°	697	102	0	102	697	739
115°	642	99	0	99	642	635
125°	529	80	0	80	529	470
135°	295	60	0	60	295	238
145°	132	40	0	40	132	85
155°	58	19	0	19	58	29
165°	44	10	0	10	44	12
175°	12	3	0	3	12	2
180°	0	0	0	0	0	



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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°	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.1	5.1	5.0	5.0
5°	11.9	12.0	12.2	12.3	12.4	12.2	12.2	12.2	12.1	12.0	11.9
7.5°	19.1	19.3	19.4	19.6	19.5	19.5	19.4	19.3	19.2	19.0	18.8
10°	26.2	26.4	26.6	26.8	26.6	26.5	26.5	26.3	26.1	25.9	25.6
12.5°	35.0	35.2	35.3	35.2	35.0	34.9	34.6	34.3	33.9	33.4	32.9
15°	43.7	43.8	43.9	43.5	43.3	43.0	42.6	42.1	41.6	40.9	40.3
17.5°	50.1	50.2	50.4	50.1	49.9	49.7	49.3	48.9	48.3	47.7	47.0
20°	50.9	51.4	51.9	52.2	52.6	52.8	53.0	53.1	53.0	52.8	52.5
22.5°	54.1	55.0	55.8	56.4	56.9	57.3	57.6	57.7	57.6	57.4	56.9
25°	58.0	59.3	60.5	61.5	62.4	63.1	63.7	64.0	64.1	64.0	63.6
27.5°	66.8	68.4	69.5	70.5	71.3	71.9	72.2	72.3	72.2	71.7	71.3
30°	85.1	86.4	86.9	87.1	87.0	86.5	85.8	84.7	83.4	81.8	81.1
32.5°	103.4	104.5	104.6	104.5	103.9	103.0	101.8	100.2	98.3	96.3	94.1
35°	132.0	132.2	130.9	129.2	126.9	124.1	120.9	117.3	113.4	110.5	107.7
37.5°	157.4	157.3	155.5	153.4	150.5	147.0	143.0	138.3	133.2	128.1	123.0
40°	196.4	195.1	191.2	186.8	181.4	175.1	168.0	160.3	153.3	146.9	140.1
42.5°	244.1	241.4	235.2	228.3	220.0	210.6	200.2	188.9	178.9	168.9	158.7
45°	295.0	291.0	282.8	273.8	263.2	251.0	237.5	224.5	209.3	195.1	181.3
47.5°	362.5	355.8	343.1	329.6	314.1	297.0	278.7	260.6	243.0	224.9	209.0
50°	431.7	423.6	408.6	392.1	372.7	350.6	326.0	302.5	279.7	258.3	239.0
52.5°	491.3	484.3	470.2	454.0	433.9	409.8	381.7	352.2	322.8	295.5	271.4
55°	528.7	527.9	520.8	510.4	494.2	471.4	441.9	408.6	373.4	340.1	307.3
57.5°	559.7	563.0	561.0	556.3	547.3	533.4	509.6	468.2	427.6	386.2	347.6
60°	590.7	593.6	592.0	589.6	585.4	579.6	557.0	520.6	478.1	431.2	387.5
62.5°	615.4	617.4	617.4	615.4	611.5	605.8	584.6	557.1	517.3	473.0	424.2
65°	641.6	642.3	641.1	638.2	634.1	627.6	610.8	583.5	548.8	505.1	455.7
67.5°	663.9	662.6	659.8	656.1	652.5	649.4	640.8	620.0	580.7	535.1	484.1
70°	680.6	679.6	676.5	671.5	667.5	666.1	663.3	651.0	625.2	569.0	515.0
72.5°	694.1	694.2	692.0	687.3	683.3	679.7	677.6	672.9	649.6	603.7	543.5
75°	697.3	703.8	706.7	702.6	695.0	689.8	687.3	682.7	663.6	623.5	567.8
77.5°	702.0	710.6	717.4	715.6	707.4	697.0	694.7	690.5	674.4	637.8	583.4
80°	723.5	719.7	720.3	722.8	717.2	709.6	703.2	699.9	688.6	651.2	593.0
82.5°	732.2	729.7	726.3	724.8	721.8	717.6	712.1	707.3	695.9	663.4	608.1
85°	731.5	736.1	735.3	725.3	717.5	717.8	715.1	710.0	701.3	674.0	617.8
87.5°	733.0	737.7	733.7	730.5	718.8	712.7	710.0	710.1	705.5	680.7	621.5
90°	737.0	739.4	734.6	737.0	727.5	708.4	702.8	709.2	707.6	682.2	619.3
92.5°	733.0	737.7	733.7	730.5	718.8	712.7	710.0	710.1	705.5	680.7	621.5
95°	731.5	736.1	735.3	725.3	717.5	717.8	715.1	710.0	701.3	674.0	617.8
97.5°	732.2	729.7	726.3	724.8	721.8	717.6	712.1	707.3	695.9	663.4	608.1
100°	723.5	719.7	720.3	722.8	717.2	709.6	703.2	699.9	688.6	651.2	593.0
102.5°	702.0	710.6	717.4	715.6	707.4	697.0	694.7	690.5	674.4	637.8	583.4
105°	697.3	703.8	706.7	702.6	695.0	689.8	687.3	682.7	663.6	623.5	567.8
107.5°	694.1	694.2	692.0	687.3	683.3	679.7	677.6	672.9	649.6	603.7	543.5
110°	680.6	679.6	676.5	671.5	667.5	666.1	663.3	651.0	625.2	569.0	515.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	663.9	662.6	659.8	656.1	652.5	649.4	640.8	620.0	580.7	535.1	484.1
115°	641.6	642.3	641.1	638.2	634.1	627.6	610.8	583.5	548.8	505.1	455.7
117.5°	615.4	617.4	617.4	615.4	611.5	605.8	584.6	557.1	517.3	473.0	424.2
120°	590.7	593.6	592.0	589.6	585.4	579.6	557.0	520.6	478.1	431.2	387.5
122.5°	559.7	563.0	561.0	556.3	547.3	533.4	509.6	468.2	427.6	386.2	347.6
125°	528.7	527.9	520.8	510.4	494.2	471.4	441.9	408.6	373.4	340.1	307.3
127.5°	491.3	484.3	470.2	454.0	433.9	409.8	381.7	352.2	322.8	295.5	271.4
130°	431.7	423.6	408.6	392.1	372.7	350.6	326.0	302.5	279.7	258.3	239.0
132.5°	362.5	355.8	343.1	329.6	314.1	297.0	278.7	260.6	243.0	224.9	209.0
135°	295.0	291.0	282.8	273.8	263.2	251.0	237.5	224.5	209.3	195.1	181.3
137.5°	244.1	241.4	235.2	228.3	220.0	210.6	200.2	188.9	178.9	168.9	158.7
140°	196.4	195.1	191.2	186.8	181.4	175.1	168.0	160.3	153.3	146.9	140.1
142.5°	157.4	157.3	155.5	153.4	150.5	147.0	143.0	138.3	133.2	128.1	123.0
145°	132.0	132.2	130.9	129.2	126.9	124.1	120.9	117.3	113.4	110.5	107.7
147.5°	103.4	104.5	104.6	104.5	103.9	103.0	101.8	100.2	98.3	96.3	94.1
150°	85.1	86.4	86.9	87.1	87.0	86.5	85.8	84.7	83.4	81.8	81.1
152.5°	66.8	68.4	69.5	70.5	71.3	71.9	72.2	72.3	72.2	71.7	71.3
155°	58.0	59.3	60.5	61.5	62.4	63.1	63.7	64.0	64.1	64.0	63.6
157.5°	54.1	55.0	55.8	56.4	56.9	57.3	57.6	57.7	57.6	57.4	56.9
160°	50.9	51.4	51.9	52.2	52.6	52.8	53.0	53.1	53.0	52.8	52.5
162.5°	50.1	50.2	50.4	50.1	49.9	49.7	49.3	48.9	48.3	47.7	47.0
165°	43.7	43.8	43.9	43.5	43.3	43.0	42.6	42.1	41.6	40.9	40.3
167.5°	35.0	35.2	35.3	35.2	35.0	34.9	34.6	34.3	33.9	33.4	32.9
170°	26.2	26.4	26.6	26.8	26.6	26.5	26.5	26.3	26.1	25.9	25.6
172.5°	19.1	19.3	19.4	19.6	19.5	19.5	19.4	19.3	19.2	19.0	18.8
175°	11.9	12.0	12.2	12.3	12.4	12.2	12.2	12.2	12.1	12.0	11.9
177.5°	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.1	5.1	5.0	5.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
5°	11.7	11.5	11.3	11.1	10.8	10.6	10.3	9.9	9.6	9.2	8.8
7.5°	18.6	18.3	18.0	17.6	17.2	16.8	16.4	15.9	15.4	14.8	14.3
10°	25.3	24.9	24.4	24.0	23.5	22.9	22.3	21.7	21.0	20.3	19.5
12.5°	32.3	31.7	31.0	30.2	29.5	28.8	28.0	27.2	26.4	25.5	24.6
15°	39.5	38.7	37.9	37.0	36.0	34.9	33.9	32.7	31.6	30.5	29.4
17.5°	46.1	45.2	44.2	43.1	42.0	40.8	39.6	38.3	37.0	35.6	34.2
20°	52.1	51.2	50.1	48.8	47.5	46.1	44.7	43.3	41.8	40.4	38.8
22.5°	56.3	55.8	55.1	54.2	53.0	51.5	49.8	48.0	46.1	44.5	42.9
25°	63.0	62.2	61.0	59.6	58.2	56.8	55.0	53.0	50.9	48.7	46.6
27.5°	70.8	69.9	68.7	67.2	65.4	63.3	61.1	58.6	56.0	53.3	50.7
30°	80.1	78.9	77.5	75.7	73.8	71.4	68.6	65.5	62.6	60.1	57.6
32.5°	91.7	89.2	87.2	85.3	83.0	80.4	77.4	74.2	71.0	67.7	64.9
35°	104.7	101.7	98.7	95.6	92.6	89.5	86.2	82.8	79.1	75.5	72.0
37.5°	117.8	113.9	110.2	106.8	102.6	98.8	95.1	91.2	87.3	83.1	79.2
40°	133.4	127.5	122.1	117.4	112.9	108.4	104.1	99.7	95.3	90.9	86.3
42.5°	150.3	142.8	135.5	129.4	123.9	118.3	113.0	108.2	103.4	98.5	93.5
45°	170.5	159.5	150.5	142.0	134.9	128.4	122.5	116.5	111.4	106.2	100.7
47.5°	193.7	179.1	167.0	155.7	146.6	138.6	131.9	125.5	119.0	113.6	107.9
50°	219.6	202.0	184.9	171.3	159.2	149.2	140.9	134.2	127.3	120.6	114.9
52.5°	247.2	226.1	206.0	187.7	172.7	160.1	150.1	142.0	135.8	127.9	123.3
55°	278.3	250.6	227.5	206.0	187.0	171.7	159.1	149.9	144.1	138.9	134.3
57.5°	312.1	278.9	249.0	224.4	202.6	183.5	171.5	161.8	153.5	148.5	144.2
60°	346.3	308.7	273.7	241.9	219.6	200.4	184.7	173.9	164.2	157.3	153.1
62.5°	378.7	336.8	299.4	266.4	237.2	215.5	198.4	185.7	175.5	165.4	160.9
65°	406.8	364.4	324.8	289.1	257.1	230.8	210.6	196.1	186.5	175.2	168.7
67.5°	435.2	390.4	348.3	309.7	275.6	244.5	222.2	206.6	196.1	185.6	176.0
70°	462.6	413.4	369.7	327.1	291.9	260.0	233.8	215.5	204.5	195.8	182.8
72.5°	486.1	433.6	386.0	342.9	305.0	273.1	243.9	223.1	211.9	204.7	191.0
75°	508.4	450.4	399.7	355.1	314.7	283.7	254.3	232.2	219.8	210.8	198.0
77.5°	526.9	463.6	410.6	366.1	326.4	294.2	265.3	241.9	227.4	217.1	204.5
80°	537.9	479.1	423.4	376.5	336.3	302.9	274.4	250.1	234.6	223.6	210.5
82.5°	548.4	490.8	432.7	383.8	343.3	309.6	281.7	256.9	241.4	230.2	215.9
85°	555.2	497.1	438.4	388.0	347.5	314.5	287.3	262.5	247.8	236.6	220.8
87.5°	557.8	500.3	442.2	390.6	350.2	318.5	292.0	267.5	253.9	242.9	225.4
90°	555.7	494.5	438.9	388.0	349.0	319.6	294.2	271.1	259.2	248.1	229.0
92.5°	557.8	500.3	442.2	390.6	350.2	318.5	292.0	267.5	253.9	242.9	225.4
95°	555.2	497.1	438.4	388.0	347.5	314.5	287.3	262.5	247.8	236.6	220.8
97.5°	548.4	490.8	432.7	383.8	343.3	309.6	281.7	256.9	241.4	230.2	215.9
100°	537.9	479.1	423.4	376.5	336.3	302.9	274.4	250.1	234.6	223.6	210.5
102.5°	526.9	463.6	410.6	366.1	326.4	294.2	265.3	241.9	227.4	217.1	204.5
105°	508.4	450.4	399.7	355.1	314.7	283.7	254.3	232.2	219.8	210.8	198.0
107.5°	486.1	433.6	386.0	342.9	305.0	273.1	243.9	223.1	211.9	204.7	191.0
110°	462.6	413.4	369.7	327.1	291.9	260.0	233.8	215.5	204.5	195.8	182.8



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	435.2	390.4	348.3	309.7	275.6	244.5	222.2	206.6	196.1	185.6	176.0
115°	406.8	364.4	324.8	289.1	257.1	230.8	210.6	196.1	186.5	175.2	168.7
117.5°	378.7	336.8	299.4	266.4	237.2	215.5	198.4	185.7	175.5	165.4	160.9
120°	346.3	308.7	273.7	241.9	219.6	200.4	184.7	173.9	164.2	157.3	153.1
122.5°	312.1	278.9	249.0	224.4	202.6	183.5	171.5	161.8	153.5	148.5	144.2
125°	278.3	250.6	227.5	206.0	187.0	171.7	159.1	149.9	144.1	138.9	134.3
127.5°	247.2	226.1	206.0	187.7	172.7	160.1	150.1	142.0	135.8	127.9	123.3
130°	219.6	202.0	184.9	171.3	159.2	149.2	140.9	134.2	127.3	120.6	114.9
132.5°	193.7	179.1	167.0	155.7	146.6	138.6	131.9	125.5	119.0	113.6	107.9
135°	170.5	159.5	150.5	142.0	134.9	128.4	122.5	116.5	111.4	106.2	100.7
137.5°	150.3	142.8	135.5	129.4	123.9	118.3	113.0	108.2	103.4	98.5	93.5
140°	133.4	127.5	122.1	117.4	112.9	108.4	104.1	99.7	95.3	90.9	86.3
142.5°	117.8	113.9	110.2	106.8	102.6	98.8	95.1	91.2	87.3	83.1	79.2
145°	104.7	101.7	98.7	95.6	92.6	89.5	86.2	82.8	79.1	75.5	72.0
147.5°	91.7	89.2	87.2	85.3	83.0	80.4	77.4	74.2	71.0	67.7	64.9
150°	80.1	78.9	77.5	75.7	73.8	71.4	68.6	65.5	62.6	60.1	57.6
152.5°	70.8	69.9	68.7	67.2	65.4	63.3	61.1	58.6	56.0	53.3	50.7
155°	63.0	62.2	61.0	59.6	58.2	56.8	55.0	53.0	50.9	48.7	46.6
157.5°	56.3	55.8	55.1	54.2	53.0	51.5	49.8	48.0	46.1	44.5	42.9
160°	52.1	51.2	50.1	48.8	47.5	46.1	44.7	43.3	41.8	40.4	38.8
162.5°	46.1	45.2	44.2	43.1	42.0	40.8	39.6	38.3	37.0	35.6	34.2
165°	39.5	38.7	37.9	37.0	36.0	34.9	33.9	32.7	31.6	30.5	29.4
167.5°	32.3	31.7	31.0	30.2	29.5	28.8	28.0	27.2	26.4	25.5	24.6
170°	25.3	24.9	24.4	24.0	23.5	22.9	22.3	21.7	21.0	20.3	19.5
172.5°	18.6	18.3	18.0	17.6	17.2	16.8	16.4	15.9	15.4	14.8	14.3
175°	11.7	11.5	11.3	11.1	10.8	10.6	10.3	9.9	9.6	9.2	8.8
177.5°	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	4.1	3.9	3.8	3.6	3.5	3.3	3.1	3.0	2.8	2.6	2.4
5°	8.4	8.0	7.6	7.2	6.9	6.6	6.3	5.9	5.6	5.2	4.8
7.5°	13.6	13.0	12.3	11.7	10.9	10.2	9.4	8.9	8.3	7.8	7.2
10°	18.7	17.9	17.1	16.1	15.2	14.2	13.2	12.2	11.1	10.3	9.6
12.5°	23.6	22.6	21.5	20.5	19.4	18.2	16.9	15.7	14.4	13.1	12.0
15°	28.3	27.1	26.0	24.6	23.3	21.9	20.6	19.1	17.6	16.0	14.4
17.5°	32.9	31.4	30.0	28.5	27.1	25.5	24.0	22.4	20.7	18.9	17.0
20°	37.2	35.6	33.9	32.3	30.7	29.0	27.3	25.5	23.7	21.7	19.6
22.5°	41.3	39.6	37.8	35.9	34.1	32.3	30.4	28.5	26.5	24.5	22.2
25°	44.7	43.0	41.3	39.3	37.9	36.5	34.9	33.3	31.6	29.7	27.6
27.5°	48.8	47.6	46.6	45.5	44.0	42.5	40.9	39.3	37.5	35.5	33.3
30°	55.6	53.7	52.2	51.2	50.0	48.4	46.6	45.0	43.4	41.2	39.0
32.5°	62.1	59.9	58.0	56.5	55.5	54.1	52.3	50.6	48.9	46.8	44.5
35°	68.9	66.0	63.7	61.8	60.6	59.6	57.9	56.0	54.3	52.4	50.0
37.5°	75.5	72.3	69.2	67.2	65.6	64.6	63.3	61.3	59.5	57.9	55.4
40°	82.2	78.4	75.1	72.2	70.6	69.3	68.5	66.6	64.6	63.1	60.8
42.5°	88.5	84.4	80.7	77.5	75.3	73.9	73.2	71.8	69.6	68.2	66.1
45°	95.3	90.1	86.2	82.8	79.7	78.5	77.6	76.9	74.7	73.1	71.4
47.5°	101.9	96.3	91.5	87.9	84.5	83.5	84.2	85.1	84.9	84.1	82.4
50°	108.7	102.8	99.3	97.8	96.7	96.0	96.5	97.4	98.1	97.9	94.9
52.5°	119.6	115.8	112.7	110.7	109.6	108.7	108.9	109.6	110.7	112.1	107.6
55°	131.0	128.0	125.3	123.1	122.3	121.5	121.4	121.7	122.9	125.9	120.7
57.5°	141.2	139.2	137.3	135.4	134.7	134.2	133.8	133.9	134.8	139.0	134.0
60°	150.5	149.4	148.3	147.3	146.8	146.6	146.3	146.1	147.0	151.7	147.7
62.5°	159.0	158.6	158.6	158.6	158.6	158.9	158.9	158.5	159.2	164.2	161.6
65°	166.7	167.0	168.2	169.4	170.1	170.9	171.3	170.9	171.3	176.4	175.7
67.5°	173.3	174.8	177.1	179.6	181.4	182.7	183.5	183.3	183.4	188.4	190.0
70°	179.4	182.0	185.4	188.7	190.6	191.6	191.9	191.7	191.3	193.5	193.1
72.5°	185.0	185.8	188.5	191.5	194.3	195.9	196.6	197.3	197.6	197.7	194.7
75°	189.2	188.4	191.0	194.2	197.9	200.1	201.0	202.6	204.1	202.6	196.3
77.5°	193.4	191.2	193.6	196.8	201.2	204.4	205.4	207.7	210.5	208.0	197.9
80°	197.6	194.2	196.2	199.3	204.5	208.7	209.6	212.7	217.1	213.9	199.5
82.5°	201.6	197.2	198.9	201.8	207.8	212.9	213.9	217.6	223.6	220.0	201.9
85°	205.6	200.3	201.7	204.4	211.0	217.2	217.9	222.2	230.3	226.7	202.7
87.5°	209.5	203.5	204.5	207.0	214.3	221.5	222.3	227.2	236.8	232.6	203.5
90°	213.1	206.7	207.5	209.9	217.8	225.8	226.6	232.2	243.3	238.5	204.3
92.5°	209.5	203.5	204.5	207.0	214.3	221.5	222.3	227.2	236.8	232.6	203.5
95°	205.6	200.3	201.7	204.4	211.0	217.2	217.9	222.2	230.3	226.7	202.7
97.5°	201.6	197.2	198.9	201.8	207.8	212.9	213.9	217.6	223.6	220.0	201.9
100°	197.6	194.2	196.2	199.3	204.5	208.7	209.6	212.7	217.1	213.9	199.5
102.5°	193.4	191.2	193.6	196.8	201.2	204.4	205.4	207.7	210.5	208.0	197.9
105°	189.2	188.4	191.0	194.2	197.9	200.1	201.0	202.6	204.1	202.6	196.3
107.5°	185.0	185.8	188.5	191.5	194.3	195.9	196.6	197.3	197.6	197.7	194.7
110°	179.4	182.0	185.4	188.7	190.6	191.6	191.9	191.7	191.3	193.5	193.1



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	173.3	174.8	177.1	179.6	181.4	182.7	183.5	183.3	183.4	188.4	190.0
115°	166.7	167.0	168.2	169.4	170.1	170.9	171.3	170.9	171.3	176.4	175.7
117.5°	159.0	158.6	158.6	158.6	158.6	158.9	158.9	158.5	159.2	164.2	161.6
120°	150.5	149.4	148.3	147.3	146.8	146.6	146.3	146.1	147.0	151.7	147.7
122.5°	141.2	139.2	137.3	135.4	134.7	134.2	133.8	133.9	134.8	139.0	134.0
125°	131.0	128.0	125.3	123.1	122.3	121.5	121.4	121.7	122.9	125.9	120.7
127.5°	119.6	115.8	112.7	110.7	109.6	108.7	108.9	109.6	110.7	112.1	107.6
130°	108.7	102.8	99.3	97.8	96.7	96.0	96.5	97.4	98.1	97.9	94.9
132.5°	101.9	96.3	91.5	87.9	84.5	83.5	84.2	85.1	84.9	84.1	82.4
135°	95.3	90.1	86.2	82.8	79.7	78.5	77.6	76.9	74.7	73.1	71.4
137.5°	88.5	84.4	80.7	77.5	75.3	73.9	73.2	71.8	69.6	68.2	66.1
140°	82.2	78.4	75.1	72.2	70.6	69.3	68.5	66.6	64.6	63.1	60.8
142.5°	75.5	72.3	69.2	67.2	65.6	64.6	63.3	61.3	59.5	57.9	55.4
145°	68.9	66.0	63.7	61.8	60.6	59.6	57.9	56.0	54.3	52.4	50.0
147.5°	62.1	59.9	58.0	56.5	55.5	54.1	52.3	50.6	48.9	46.8	44.5
150°	55.6	53.7	52.2	51.2	50.0	48.4	46.6	45.0	43.4	41.2	39.0
152.5°	48.8	47.6	46.6	45.5	44.0	42.5	40.9	39.3	37.5	35.5	33.3
155°	44.7	43.0	41.3	39.3	37.9	36.5	34.9	33.3	31.6	29.7	27.6
157.5°	41.3	39.6	37.8	35.9	34.1	32.3	30.4	28.5	26.5	24.5	22.2
160°	37.2	35.6	33.9	32.3	30.7	29.0	27.3	25.5	23.7	21.7	19.6
162.5°	32.9	31.4	30.0	28.5	27.1	25.5	24.0	22.4	20.7	18.9	17.0
165°	28.3	27.1	26.0	24.6	23.3	21.9	20.6	19.1	17.6	16.0	14.4
167.5°	23.6	22.6	21.5	20.5	19.4	18.2	16.9	15.7	14.4	13.1	12.0
170°	18.7	17.9	17.1	16.1	15.2	14.2	13.2	12.2	11.1	10.3	9.6
172.5°	13.6	13.0	12.3	11.7	10.9	10.2	9.4	8.9	8.3	7.8	7.2
175°	8.4	8.0	7.6	7.2	6.9	6.6	6.3	5.9	5.6	5.2	4.8
177.5°	4.1	3.9	3.8	3.6	3.5	3.3	3.1	3.0	2.8	2.6	2.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	2.2	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
5°	4.4	4.0	3.6	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0
7.5°	6.6	6.0	5.4	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.5
10°	8.8	8.0	7.2	6.4	6.3	6.3	6.3	6.3	6.2	6.1	6.1
12.5°	11.0	10.0	9.0	7.9	7.9	7.9	7.9	7.8	7.8	7.7	7.6
15°	13.2	12.0	10.8	9.5	9.5	9.5	9.5	9.4	9.3	9.2	9.1
17.5°	15.4	14.0	12.6	11.1	11.1	11.1	11.0	11.0	10.9	10.8	10.6
20°	17.6	15.9	14.3	12.7	12.7	12.7	12.6	12.5	12.4	12.3	12.2
22.5°	19.9	17.9	16.1	14.3	14.3	14.3	14.2	14.1	14.0	13.9	13.7
25°	25.2	23.1	21.3	19.4	19.5	19.5	19.3	19.1	18.8	18.2	17.5
27.5°	30.8	28.3	26.5	24.5	24.7	24.8	24.8	24.7	24.2	23.5	22.5
30°	36.3	33.5	31.6	29.7	30.0	30.3	30.4	30.4	29.6	28.6	27.1
32.5°	41.7	38.8	36.7	34.8	35.3	35.7	36.0	35.9	34.8	33.4	31.4
35°	47.2	44.0	41.8	39.9	40.6	41.2	41.7	41.3	40.0	37.9	35.4
37.5°	52.6	49.3	46.9	45.0	46.0	46.8	47.4	46.6	45.2	42.1	38.9
40°	58.0	54.5	52.0	50.2	51.3	52.3	53.2	51.9	49.6	46.0	42.0
42.5°	63.3	59.7	57.0	55.3	56.7	57.9	59.0	57.1	53.9	49.9	44.7
45°	68.5	64.9	62.0	60.4	62.0	63.6	64.4	62.3	58.1	52.9	47.1
47.5°	78.3	73.2	68.5	65.2	65.5	66.1	66.0	63.6	59.0	53.8	48.2
50°	89.1	82.0	75.1	70.0	68.9	68.4	67.1	63.9	58.8	53.4	48.1
52.5°	100.1	91.0	81.8	74.7	72.2	70.5	68.0	64.0	58.6	53.3	48.4
55°	111.6	100.2	88.6	79.5	75.3	72.5	68.9	64.0	58.5	53.3	48.9
57.5°	123.3	109.7	95.5	84.3	78.4	74.4	69.7	64.2	58.6	53.6	49.8
60°	135.2	119.3	102.5	89.1	81.4	76.1	70.4	64.3	58.8	54.3	51.1
62.5°	147.4	129.0	109.6	93.8	84.4	77.8	71.0	64.5	59.1	55.2	52.8
65°	159.8	138.9	116.7	98.6	87.2	79.4	71.6	64.7	59.6	56.3	54.9
67.5°	172.3	148.9	123.9	103.4	90.1	80.9	72.1	64.9	60.2	57.5	57.1
70°	173.3	148.7	123.2	102.9	89.3	80.1	71.4	64.3	59.8	57.5	57.8
72.5°	173.5	148.1	122.5	102.3	88.6	79.3	70.7	63.6	59.1	57.0	57.4
75°	173.5	147.4	122.4	101.8	87.9	78.6	70.1	63.0	58.5	56.6	56.9
77.5°	173.4	146.5	121.4	101.3	87.3	77.8	69.5	62.4	58.0	56.1	56.4
80°	173.2	146.4	120.3	100.7	86.6	77.1	69.1	61.9	57.4	55.7	55.8
82.5°	173.6	144.9	119.3	100.2	86.0	76.5	68.6	61.5	57.0	55.3	55.2
85°	172.7	143.5	118.2	99.7	85.4	75.8	68.2	61.1	56.5	54.9	54.6
87.5°	171.8	142.1	117.2	99.1	84.8	75.3	67.9	60.7	56.1	54.5	53.9
90°	170.9	140.7	116.1	98.6	84.3	74.7	67.6	60.4	55.7	54.1	53.3
92.5°	171.8	142.1	117.2	99.1	84.8	75.3	67.9	60.7	56.1	54.5	53.9
95°	172.7	143.5	118.2	99.7	85.4	75.8	68.2	61.1	56.5	54.9	54.6
97.5°	173.6	144.9	119.3	100.2	86.0	76.5	68.6	61.5	57.0	55.3	55.2
100°	173.2	146.4	120.3	100.7	86.6	77.1	69.1	61.9	57.4	55.7	55.8
102.5°	173.4	146.5	121.4	101.3	87.3	77.8	69.5	62.4	58.0	56.1	56.4
105°	173.5	147.4	122.4	101.8	87.9	78.6	70.1	63.0	58.5	56.6	56.9
107.5°	173.5	148.1	122.5	102.3	88.6	79.3	70.7	63.6	59.1	57.0	57.4
110°	173.3	148.7	123.2	102.9	89.3	80.1	71.4	64.3	59.8	57.5	57.8



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	172.3	148.9	123.9	103.4	90.1	80.9	72.1	64.9	60.2	57.5	57.1
115°	159.8	138.9	116.7	98.6	87.2	79.4	71.6	64.7	59.6	56.3	54.9
117.5°	147.4	129.0	109.6	93.8	84.4	77.8	71.0	64.5	59.1	55.2	52.8
120°	135.2	119.3	102.5	89.1	81.4	76.1	70.4	64.3	58.8	54.3	51.1
122.5°	123.3	109.7	95.5	84.3	78.4	74.4	69.7	64.2	58.6	53.6	49.8
125°	111.6	100.2	88.6	79.5	75.3	72.5	68.9	64.0	58.5	53.3	48.9
127.5°	100.1	91.0	81.8	74.7	72.2	70.5	68.0	64.0	58.6	53.3	48.4
130°	89.1	82.0	75.1	70.0	68.9	68.4	67.1	63.9	58.8	53.4	48.1
132.5°	78.3	73.2	68.5	65.2	65.5	66.1	66.0	63.6	59.0	53.8	48.2
135°	68.5	64.9	62.0	60.4	62.0	63.6	64.4	62.3	58.1	52.9	47.1
137.5°	63.3	59.7	57.0	55.3	56.7	57.9	59.0	57.1	53.9	49.9	44.7
140°	58.0	54.5	52.0	50.2	51.3	52.3	53.2	51.9	49.6	46.0	42.0
142.5°	52.6	49.3	46.9	45.0	46.0	46.8	47.4	46.6	45.2	42.1	38.9
145°	47.2	44.0	41.8	39.9	40.6	41.2	41.7	41.3	40.0	37.9	35.4
147.5°	41.7	38.8	36.7	34.8	35.3	35.7	36.0	35.9	34.8	33.4	31.4
150°	36.3	33.5	31.6	29.7	30.0	30.3	30.4	30.4	29.6	28.6	27.1
152.5°	30.8	28.3	26.5	24.5	24.7	24.8	24.8	24.7	24.2	23.5	22.5
155°	25.2	23.1	21.3	19.4	19.5	19.5	19.3	19.1	18.8	18.2	17.5
157.5°	19.9	17.9	16.1	14.3	14.3	14.3	14.2	14.1	14.0	13.9	13.7
160°	17.6	15.9	14.3	12.7	12.7	12.7	12.6	12.5	12.4	12.3	12.2
162.5°	15.4	14.0	12.6	11.1	11.1	11.1	11.0	11.0	10.9	10.8	10.6
165°	13.2	12.0	10.8	9.5	9.5	9.5	9.5	9.4	9.3	9.2	9.1
167.5°	11.0	10.0	9.0	7.9	7.9	7.9	7.9	7.8	7.8	7.7	7.6
170°	8.8	8.0	7.2	6.4	6.3	6.3	6.3	6.3	6.2	6.1	6.1
172.5°	6.6	6.0	5.4	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.5
175°	4.4	4.0	3.6	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0
177.5°	2.2	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
5°	3.0	2.9	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.3	2.2
7.5°	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4
10°	6.0	5.9	5.8	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.5
12.5°	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7
15°	9.0	8.8	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
17.5°	10.5	10.3	10.1	9.9	9.7	9.5	9.2	8.9	8.6	8.3	8.0
20°	12.0	11.8	11.6	11.4	11.1	10.8	10.6	10.2	9.9	9.5	9.2
22.5°	13.5	13.3	13.1	12.8	12.5	12.2	11.9	11.6	11.2	10.8	10.2
25°	16.7	15.9	15.1	14.3	14.0	13.6	13.3	12.9	12.3	11.6	11.0
27.5°	21.3	20.2	19.0	17.8	16.8	15.8	14.9	13.8	13.1	12.6	12.1
30°	25.6	23.9	22.3	20.8	19.4	18.1	16.8	15.6	14.8	14.0	13.1
32.5°	29.3	27.1	25.1	23.2	21.5	19.9	18.5	17.3	16.3	15.1	14.0
35°	32.6	29.9	27.4	25.2	23.2	21.5	20.0	18.6	17.2	16.0	15.2
37.5°	35.4	32.2	29.2	26.9	24.7	22.8	21.0	19.5	18.1	17.1	16.1
40°	37.8	34.1	31.0	28.3	25.9	23.7	21.9	20.3	19.1	17.9	16.7
42.5°	40.0	35.6	32.5	29.6	26.8	24.6	22.7	21.2	19.9	18.6	17.5
45°	41.8	37.4	33.9	30.5	27.7	25.4	23.6	22.0	20.6	19.4	18.3
47.5°	42.9	38.9	35.0	31.2	28.5	26.2	24.3	22.8	21.4	20.1	19.0
50°	43.3	40.0	36.5	33.1	30.0	27.1	25.1	23.5	22.1	20.9	19.8
52.5°	44.5	41.6	38.5	35.8	33.1	30.4	27.8	25.2	22.9	21.8	20.6
55°	46.0	43.6	41.2	39.0	36.6	33.9	31.0	28.2	25.8	23.6	21.7
57.5°	47.8	46.1	44.3	42.5	40.3	37.2	34.1	31.2	28.5	25.9	23.7
60°	50.0	48.9	47.8	46.3	43.9	40.5	37.2	34.0	30.9	27.9	25.3
62.5°	52.4	52.2	51.6	50.2	47.3	43.7	40.2	36.6	32.8	29.7	26.5
65°	55.2	55.7	55.6	54.3	50.7	46.9	42.9	38.7	34.7	31.1	27.5
67.5°	58.3	59.4	59.6	58.3	54.1	50.1	45.6	40.7	36.4	32.3	28.5
70°	59.7	61.7	62.7	61.7	57.5	53.1	48.1	42.5	37.9	33.3	29.5
72.5°	59.3	61.4	62.6	61.4	58.2	54.3	49.5	44.1	39.3	34.4	30.3
75°	58.9	61.2	62.5	61.4	58.8	55.1	50.2	45.1	40.3	35.4	31.2
77.5°	58.5	61.0	62.5	61.7	59.6	56.0	51.1	46.3	41.4	36.5	32.2
80°	58.0	60.7	62.5	62.1	60.6	57.0	52.3	47.6	42.8	37.7	33.3
82.5°	57.5	60.5	62.6	62.8	61.8	58.3	53.6	49.2	44.3	38.9	34.5
85°	56.9	60.2	62.7	63.6	63.2	59.7	55.2	51.0	46.1	40.3	35.9
87.5°	56.3	60.0	62.8	64.4	64.6	61.2	56.9	52.9	48.0	41.9	37.3
90°	55.7	59.6	62.8	65.2	66.0	62.8	58.8	54.9	50.1	43.7	39.0
92.5°	56.3	60.0	62.8	64.4	64.6	61.2	56.9	52.9	48.0	41.9	37.3
95°	56.9	60.2	62.7	63.6	63.2	59.7	55.2	51.0	46.1	40.3	35.9
97.5°	57.5	60.5	62.6	62.8	61.8	58.3	53.6	49.2	44.3	38.9	34.5
100°	58.0	60.7	62.5	62.1	60.6	57.0	52.3	47.6	42.8	37.7	33.3
102.5°	58.5	61.0	62.5	61.7	59.6	56.0	51.1	46.3	41.4	36.5	32.2
105°	58.9	61.2	62.5	61.4	58.8	55.1	50.2	45.1	40.3	35.4	31.2
107.5°	59.3	61.4	62.6	61.4	58.2	54.3	49.5	44.1	39.3	34.4	30.3
110°	59.7	61.7	62.7	61.7	57.5	53.1	48.1	42.5	37.9	33.3	29.5



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	58.3	59.4	59.6	58.3	54.1	50.1	45.6	40.7	36.4	32.3	28.5
115°	55.2	55.7	55.6	54.3	50.7	46.9	42.9	38.7	34.7	31.1	27.5
117.5°	52.4	52.2	51.6	50.2	47.3	43.7	40.2	36.6	32.8	29.7	26.5
120°	50.0	48.9	47.8	46.3	43.9	40.5	37.2	34.0	30.9	27.9	25.3
122.5°	47.8	46.1	44.3	42.5	40.3	37.2	34.1	31.2	28.5	25.9	23.7
125°	46.0	43.6	41.2	39.0	36.6	33.9	31.0	28.2	25.8	23.6	21.7
127.5°	44.5	41.6	38.5	35.8	33.1	30.4	27.8	25.2	22.9	21.8	20.6
130°	43.3	40.0	36.5	33.1	30.0	27.1	25.1	23.5	22.1	20.9	19.8
132.5°	42.9	38.9	35.0	31.2	28.5	26.2	24.3	22.8	21.4	20.1	19.0
135°	41.8	37.4	33.9	30.5	27.7	25.4	23.6	22.0	20.6	19.4	18.3
137.5°	40.0	35.6	32.5	29.6	26.8	24.6	22.7	21.2	19.9	18.6	17.5
140°	37.8	34.1	31.0	28.3	25.9	23.7	21.9	20.3	19.1	17.9	16.7
142.5°	35.4	32.2	29.2	26.9	24.7	22.8	21.0	19.5	18.1	17.1	16.1
145°	32.6	29.9	27.4	25.2	23.2	21.5	20.0	18.6	17.2	16.0	15.2
147.5°	29.3	27.1	25.1	23.2	21.5	19.9	18.5	17.3	16.3	15.1	14.0
150°	25.6	23.9	22.3	20.8	19.4	18.1	16.8	15.6	14.8	14.0	13.1
152.5°	21.3	20.2	19.0	17.8	16.8	15.8	14.9	13.8	13.1	12.6	12.1
155°	16.7	15.9	15.1	14.3	14.0	13.6	13.3	12.9	12.3	11.6	11.0
157.5°	13.5	13.3	13.1	12.8	12.5	12.2	11.9	11.6	11.2	10.8	10.2
160°	12.0	11.8	11.6	11.4	11.1	10.8	10.6	10.2	9.9	9.5	9.2
162.5°	10.5	10.3	10.1	9.9	9.7	9.5	9.2	8.9	8.6	8.3	8.0
165°	9.0	8.8	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
167.5°	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7
170°	6.0	5.9	5.8	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.5
172.5°	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4
175°	3.0	2.9	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.3	2.2
177.5°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
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: P231901

CATALOG NUMBER: FVS4WM-2-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°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
5°	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0
7.5°	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4
10°	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.5	2.2	1.9
12.5°	5.4	5.2	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.8	2.4
15°	6.5	6.2	5.9	5.6	5.2	4.8	4.5	4.1	3.7	3.3	2.9
17.5°	7.6	7.3	6.9	6.5	6.1	5.7	5.2	4.7	4.3	3.8	3.3
20°	8.8	8.3	7.8	7.3	6.8	6.2	5.7	5.2	4.8	4.3	3.7
22.5°	9.6	9.0	8.5	8.0	7.5	7.0	6.5	5.9	5.3	4.7	4.1
25°	10.5	10.0	9.5	8.9	8.3	7.6	6.9	6.3	5.7	5.1	4.5
27.5°	11.6	10.9	10.2	9.4	8.8	8.2	7.6	7.0	6.3	5.6	4.9
30°	12.3	11.5	10.9	10.3	9.7	8.9	8.1	7.4	6.6	5.9	5.2
32.5°	13.2	12.6	11.9	11.0	10.1	9.3	8.7	8.0	7.2	6.4	5.6
35°	14.4	13.4	12.4	11.6	10.9	10.2	9.3	8.4	7.5	6.6	5.8
37.5°	15.0	14.0	13.2	12.5	11.6	10.6	9.6	8.6	7.7	6.8	5.9
40°	15.7	14.9	14.0	12.9	11.9	10.8	9.8	8.9	8.1	7.3	6.4
42.5°	16.5	15.5	14.4	13.3	12.2	11.3	10.5	9.6	8.5	7.5	6.5
45°	17.2	16.1	15.0	13.9	13.0	12.1	10.9	9.7	8.8	8.0	7.1
47.5°	17.9	16.7	15.7	14.8	13.5	12.2	11.3	10.4	9.4	8.2	7.1
50°	18.6	17.5	16.5	15.1	13.8	12.9	11.9	10.7	9.5	8.6	7.6
52.5°	19.5	18.4	16.8	15.5	14.5	13.4	12.1	11.0	10.0	9.2	8.3
55°	20.3	18.7	17.3	16.2	15.0	13.7	12.5	11.5	10.7	9.7	8.5
57.5°	21.4	19.2	17.9	16.7	15.4	14.0	13.0	12.2	10.9	9.6	8.4
60°	22.6	20.5	18.8	17.3	15.6	14.6	13.8	12.2	10.9	9.6	8.3
62.5°	23.7	21.5	19.7	17.6	16.2	15.4	13.7	12.3	11.1	9.5	8.1
65°	24.7	22.4	20.1	18.0	16.9	15.3	13.9	12.6	10.9	9.3	7.8
67.5°	25.5	23.1	20.4	18.6	16.9	15.1	13.8	12.4	10.7	9.0	7.5
70°	26.3	23.5	20.8	18.8	16.7	14.8	13.3	11.7	10.2	8.7	7.1
72.5°	27.0	23.9	21.1	18.7	16.4	14.4	12.8	11.0	9.6	8.2	6.7
75°	27.7	24.3	21.2	18.7	16.0	14.2	12.2	10.5	9.0	7.5	6.1
77.5°	28.4	24.7	21.5	18.6	15.6	13.9	11.7	10.1	8.6	7.0	5.7
80°	29.2	25.3	21.8	18.4	15.6	13.4	11.3	9.8	8.3	6.7	5.4
82.5°	30.0	25.9	22.2	18.3	15.4	12.8	10.7	9.2	7.8	6.4	4.9
85°	31.0	26.6	22.6	18.4	15.2	12.3	10.2	8.7	7.2	5.9	4.6
87.5°	32.1	27.5	23.1	18.6	15.1	12.0	9.8	8.3	6.7	5.7	4.6
90°	33.4	28.6	23.9	19.1	15.1	11.9	9.5	8.0	6.4	5.6	4.8
92.5°	32.1	27.5	23.1	18.6	15.1	12.0	9.8	8.3	6.7	5.7	4.6
95°	31.0	26.6	22.6	18.4	15.2	12.3	10.2	8.7	7.2	5.9	4.6
97.5°	30.0	25.9	22.2	18.3	15.4	12.8	10.7	9.2	7.8	6.4	4.9
100°	29.2	25.3	21.8	18.4	15.6	13.4	11.3	9.8	8.3	6.7	5.4
102.5°	28.4	24.7	21.5	18.6	15.6	13.9	11.7	10.1	8.6	7.0	5.7
105°	27.7	24.3	21.2	18.7	16.0	14.2	12.2	10.5	9.0	7.5	6.1
107.5°	27.0	23.9	21.1	18.7	16.4	14.4	12.8	11.0	9.6	8.2	6.7
110°	26.3	23.5	20.8	18.8	16.7	14.8	13.3	11.7	10.2	8.7	7.1



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	25.5	23.1	20.4	18.6	16.9	15.1	13.8	12.4	10.7	9.0	7.5
115°	24.7	22.4	20.1	18.0	16.9	15.3	13.9	12.6	10.9	9.3	7.8
117.5°	23.7	21.5	19.7	17.6	16.2	15.4	13.7	12.3	11.1	9.5	8.1
120°	22.6	20.5	18.8	17.3	15.6	14.6	13.8	12.2	10.9	9.6	8.3
122.5°	21.4	19.2	17.9	16.7	15.4	14.0	13.0	12.2	10.9	9.6	8.4
125°	20.3	18.7	17.3	16.2	15.0	13.7	12.5	11.5	10.7	9.7	8.5
127.5°	19.5	18.4	16.8	15.5	14.5	13.4	12.1	11.0	10.0	9.2	8.3
130°	18.6	17.5	16.5	15.1	13.8	12.9	11.9	10.7	9.5	8.6	7.6
132.5°	17.9	16.7	15.7	14.8	13.5	12.2	11.3	10.4	9.4	8.2	7.1
135°	17.2	16.1	15.0	13.9	13.0	12.1	10.9	9.7	8.8	8.0	7.1
137.5°	16.5	15.5	14.4	13.3	12.2	11.3	10.5	9.6	8.5	7.5	6.5
140°	15.7	14.9	14.0	12.9	11.9	10.8	9.8	8.9	8.1	7.3	6.4
142.5°	15.0	14.0	13.2	12.5	11.6	10.6	9.6	8.6	7.7	6.8	5.9
145°	14.4	13.4	12.4	11.6	10.9	10.2	9.3	8.4	7.5	6.6	5.8
147.5°	13.2	12.6	11.9	11.0	10.1	9.3	8.7	8.0	7.2	6.4	5.6
150°	12.3	11.5	10.9	10.3	9.7	8.9	8.1	7.4	6.6	5.9	5.2
152.5°	11.6	10.9	10.2	9.4	8.8	8.2	7.6	7.0	6.3	5.6	4.9
155°	10.5	10.0	9.5	8.9	8.3	7.6	6.9	6.3	5.7	5.1	4.5
157.5°	9.6	9.0	8.5	8.0	7.5	7.0	6.5	5.9	5.3	4.7	4.1
160°	8.8	8.3	7.8	7.3	6.8	6.2	5.7	5.2	4.8	4.3	3.7
162.5°	7.6	7.3	6.9	6.5	6.1	5.7	5.2	4.7	4.3	3.8	3.3
165°	6.5	6.2	5.9	5.6	5.2	4.8	4.5	4.1	3.7	3.3	2.9
167.5°	5.4	5.2	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.8	2.4
170°	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.5	2.2	1.9
172.5°	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4
175°	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0
177.5°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	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: P231901

CATALOG NUMBER: FVS4WM-2-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°	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.3
5°	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
7.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
10°	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
12.5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
15°	2.5	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
17.5°	2.8	2.4	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
20°	3.2	2.7	2.2	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.2
22.5°	3.5	2.9	2.3	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.3
25°	3.9	3.3	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
27.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
30°	4.5	3.8	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
32.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
35°	4.9	4.1	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
37.5°	5.1	4.3	3.5	2.6	1.8	0.9	0.0	0.9	1.8	2.6	3.5
40°	5.5	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
42.5°	5.6	4.7	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
45°	6.0	5.0	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
47.5°	6.1	5.1	4.1	3.1	2.1	1.1	0.0	1.1	2.1	3.1	4.1
50°	6.6	5.6	4.5	3.4	2.3	1.2	0.0	1.2	2.3	3.4	4.5
52.5°	7.2	5.9	4.7	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.7
55°	7.3	6.0	4.7	3.5	2.3	1.1	0.0	1.1	2.3	3.5	4.7
57.5°	7.2	5.9	4.6	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.6
60°	7.1	5.8	4.5	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.5
62.5°	6.8	5.6	4.4	3.2	2.1	1.0	0.0	1.0	2.1	3.2	4.4
65°	6.5	5.3	4.2	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.2
67.5°	6.2	4.9	3.9	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.9
70°	5.7	4.5	3.4	2.5	1.5	0.7	0.0	0.7	1.5	2.5	3.4
72.5°	5.2	4.1	3.1	2.1	1.2	0.6	0.0	0.6	1.2	2.1	3.1
75°	5.0	3.8	2.6	1.8	1.3	0.7	0.0	0.7	1.3	1.8	2.6
77.5°	4.6	3.2	2.4	1.5	0.6	0.1	0.0	0.1	0.6	1.5	2.4
80°	3.9	2.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
82.5°	3.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.9	2.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
102.5°	4.6	3.2	2.4	1.5	0.6	0.1	0.0	0.1	0.6	1.5	2.4
105°	5.0	3.8	2.6	1.8	1.3	0.7	0.0	0.7	1.3	1.8	2.6
107.5°	5.2	4.1	3.1	2.1	1.2	0.6	0.0	0.6	1.2	2.1	3.1
110°	5.7	4.5	3.4	2.5	1.5	0.7	0.0	0.7	1.5	2.5	3.4



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	6.2	4.9	3.9	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.9
115°	6.5	5.3	4.2	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.2
117.5°	6.8	5.6	4.4	3.2	2.1	1.0	0.0	1.0	2.1	3.2	4.4
120°	7.1	5.8	4.5	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.5
122.5°	7.2	5.9	4.6	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.6
125°	7.3	6.0	4.7	3.5	2.3	1.1	0.0	1.1	2.3	3.5	4.7
127.5°	7.2	5.9	4.7	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.7
130°	6.6	5.6	4.5	3.4	2.3	1.2	0.0	1.2	2.3	3.4	4.5
132.5°	6.1	5.1	4.1	3.1	2.1	1.1	0.0	1.1	2.1	3.1	4.1
135°	6.0	5.0	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
137.5°	5.6	4.7	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
140°	5.5	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
142.5°	5.1	4.3	3.5	2.6	1.8	0.9	0.0	0.9	1.8	2.6	3.5
145°	4.9	4.1	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
147.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
150°	4.5	3.8	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
152.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
155°	3.9	3.3	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
157.5°	3.5	2.9	2.3	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.3
160°	3.2	2.7	2.2	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.2
162.5°	2.8	2.4	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
165°	2.5	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
167.5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
170°	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
172.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
175°	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
177.5°	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.3
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: P231901

CATALOG NUMBER: FVS4WM-2-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°	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	0.9	1.0
5°	0.7	0.8	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8	1.9
7.5°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.9
10°	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.7	3.9
12.5°	1.7	2.1	2.4	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9
15°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.8	5.2	5.6	5.9
17.5°	2.4	2.8	3.3	3.8	4.3	4.7	5.2	5.7	6.1	6.5	6.9
20°	2.7	3.2	3.7	4.3	4.8	5.2	5.7	6.2	6.8	7.3	7.8
22.5°	2.9	3.5	4.1	4.7	5.3	5.9	6.5	7.0	7.5	8.0	8.5
25°	3.3	3.9	4.5	5.1	5.7	6.3	6.9	7.6	8.3	8.9	9.5
27.5°	3.5	4.2	4.9	5.6	6.3	7.0	7.6	8.2	8.8	9.4	10.2
30°	3.8	4.5	5.2	5.9	6.6	7.4	8.1	8.9	9.7	10.3	10.9
32.5°	4.0	4.8	5.6	6.4	7.2	8.0	8.7	9.3	10.1	11.0	11.9
35°	4.1	4.9	5.8	6.6	7.5	8.4	9.3	10.2	10.9	11.6	12.4
37.5°	4.3	5.1	5.9	6.8	7.7	8.6	9.6	10.6	11.6	12.5	13.2
40°	4.5	5.5	6.4	7.3	8.1	8.9	9.8	10.8	11.9	12.9	14.0
42.5°	4.7	5.6	6.5	7.5	8.5	9.6	10.5	11.3	12.2	13.3	14.4
45°	5.0	6.0	7.1	8.0	8.8	9.7	10.9	12.1	13.0	13.9	15.0
47.5°	5.1	6.1	7.1	8.2	9.4	10.4	11.3	12.2	13.5	14.8	15.7
50°	5.6	6.6	7.6	8.6	9.5	10.7	11.9	12.9	13.8	15.1	16.5
52.5°	5.9	7.2	8.3	9.2	10.0	11.0	12.1	13.4	14.5	15.5	16.8
55°	6.0	7.3	8.5	9.7	10.7	11.5	12.5	13.7	15.0	16.2	17.3
57.5°	5.9	7.2	8.4	9.6	10.9	12.2	13.0	14.0	15.4	16.7	17.9
60°	5.8	7.1	8.3	9.6	10.9	12.2	13.8	14.6	15.6	17.3	18.8
62.5°	5.6	6.8	8.1	9.5	11.1	12.3	13.7	15.4	16.2	17.6	19.7
65°	5.3	6.5	7.8	9.3	10.9	12.6	13.9	15.3	16.9	18.0	20.1
67.5°	4.9	6.2	7.5	9.0	10.7	12.4	13.8	15.1	16.9	18.6	20.4
70°	4.5	5.7	7.1	8.7	10.2	11.7	13.3	14.8	16.7	18.8	20.8
72.5°	4.1	5.2	6.7	8.2	9.6	11.0	12.8	14.4	16.4	18.7	21.1
75°	3.8	5.0	6.1	7.5	9.0	10.5	12.2	14.2	16.0	18.7	21.2
77.5°	3.2	4.6	5.7	7.0	8.6	10.1	11.7	13.9	15.6	18.6	21.5
80°	2.8	3.9	5.4	6.7	8.3	9.8	11.3	13.4	15.6	18.4	21.8
82.5°	2.0	3.4	4.9	6.4	7.8	9.2	10.7	12.8	15.4	18.3	22.2
85°	0.9	3.0	4.6	5.9	7.2	8.7	10.2	12.3	15.2	18.4	22.6
87.5°	0.3	3.0	4.6	5.7	6.7	8.3	9.8	12.0	15.1	18.6	23.1
90°	0.0	3.2	4.8	5.6	6.4	8.0	9.5	11.9	15.1	19.1	23.9
92.5°	0.3	3.0	4.6	5.7	6.7	8.3	9.8	12.0	15.1	18.6	23.1
95°	0.9	3.0	4.6	5.9	7.2	8.7	10.2	12.3	15.2	18.4	22.6
97.5°	2.0	3.4	4.9	6.4	7.8	9.2	10.7	12.8	15.4	18.3	22.2
100°	2.8	3.9	5.4	6.7	8.3	9.8	11.3	13.4	15.6	18.4	21.8
102.5°	3.2	4.6	5.7	7.0	8.6	10.1	11.7	13.9	15.6	18.6	21.5
105°	3.8	5.0	6.1	7.5	9.0	10.5	12.2	14.2	16.0	18.7	21.2
107.5°	4.1	5.2	6.7	8.2	9.6	11.0	12.8	14.4	16.4	18.7	21.1
110°	4.5	5.7	7.1	8.7	10.2	11.7	13.3	14.8	16.7	18.8	20.8



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	4.9	6.2	7.5	9.0	10.7	12.4	13.8	15.1	16.9	18.6	20.4
115°	5.3	6.5	7.8	9.3	10.9	12.6	13.9	15.3	16.9	18.0	20.1
117.5°	5.6	6.8	8.1	9.5	11.1	12.3	13.7	15.4	16.2	17.6	19.7
120°	5.8	7.1	8.3	9.6	10.9	12.2	13.8	14.6	15.6	17.3	18.8
122.5°	5.9	7.2	8.4	9.6	10.9	12.2	13.0	14.0	15.4	16.7	17.9
125°	6.0	7.3	8.5	9.7	10.7	11.5	12.5	13.7	15.0	16.2	17.3
127.5°	5.9	7.2	8.3	9.2	10.0	11.0	12.1	13.4	14.5	15.5	16.8
130°	5.6	6.6	7.6	8.6	9.5	10.7	11.9	12.9	13.8	15.1	16.5
132.5°	5.1	6.1	7.1	8.2	9.4	10.4	11.3	12.2	13.5	14.8	15.7
135°	5.0	6.0	7.1	8.0	8.8	9.7	10.9	12.1	13.0	13.9	15.0
137.5°	4.7	5.6	6.5	7.5	8.5	9.6	10.5	11.3	12.2	13.3	14.4
140°	4.5	5.5	6.4	7.3	8.1	8.9	9.8	10.8	11.9	12.9	14.0
142.5°	4.3	5.1	5.9	6.8	7.7	8.6	9.6	10.6	11.6	12.5	13.2
145°	4.1	4.9	5.8	6.6	7.5	8.4	9.3	10.2	10.9	11.6	12.4
147.5°	4.0	4.8	5.6	6.4	7.2	8.0	8.7	9.3	10.1	11.0	11.9
150°	3.8	4.5	5.2	5.9	6.6	7.4	8.1	8.9	9.7	10.3	10.9
152.5°	3.5	4.2	4.9	5.6	6.3	7.0	7.6	8.2	8.8	9.4	10.2
155°	3.3	3.9	4.5	5.1	5.7	6.3	6.9	7.6	8.3	8.9	9.5
157.5°	2.9	3.5	4.1	4.7	5.3	5.9	6.5	7.0	7.5	8.0	8.5
160°	2.7	3.2	3.7	4.3	4.8	5.2	5.7	6.2	6.8	7.3	7.8
162.5°	2.4	2.8	3.3	3.8	4.3	4.7	5.2	5.7	6.1	6.5	6.9
165°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.8	5.2	5.6	5.9
167.5°	1.7	2.1	2.4	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9
170°	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.7	3.9
172.5°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.9
175°	0.7	0.8	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8	1.9
177.5°	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	0.9	1.0
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: P231901

CATALOG NUMBER: FVS4WM-2-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°	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
5°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9
7.5°	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.3
10°	4.1	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.5	5.6	5.8
12.5°	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.2
15°	6.2	6.5	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.7
17.5°	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.5	9.7	9.9	10.1
20°	8.3	8.8	9.2	9.5	9.9	10.2	10.6	10.8	11.1	11.4	11.6
22.5°	9.0	9.6	10.2	10.8	11.2	11.6	11.9	12.2	12.5	12.8	13.1
25°	10.0	10.5	11.0	11.6	12.3	12.9	13.3	13.6	14.0	14.3	15.1
27.5°	10.9	11.6	12.1	12.6	13.1	13.8	14.9	15.8	16.8	17.8	19.0
30°	11.5	12.3	13.1	14.0	14.8	15.6	16.8	18.1	19.4	20.8	22.3
32.5°	12.6	13.2	14.0	15.1	16.3	17.3	18.5	19.9	21.5	23.2	25.1
35°	13.4	14.4	15.2	16.0	17.2	18.6	20.0	21.5	23.2	25.2	27.4
37.5°	14.0	15.0	16.1	17.1	18.1	19.5	21.0	22.8	24.7	26.9	29.2
40°	14.9	15.7	16.7	17.9	19.1	20.3	21.9	23.7	25.9	28.3	31.0
42.5°	15.5	16.5	17.5	18.6	19.9	21.2	22.7	24.6	26.8	29.6	32.5
45°	16.1	17.2	18.3	19.4	20.6	22.0	23.6	25.4	27.7	30.5	33.9
47.5°	16.7	17.9	19.0	20.1	21.4	22.8	24.3	26.2	28.5	31.2	35.0
50°	17.5	18.6	19.8	20.9	22.1	23.5	25.1	27.1	30.0	33.1	36.5
52.5°	18.4	19.5	20.6	21.8	22.9	25.2	27.8	30.4	33.1	35.8	38.5
55°	18.7	20.3	21.7	23.6	25.8	28.2	31.0	33.9	36.6	39.0	41.2
57.5°	19.2	21.4	23.7	25.9	28.5	31.2	34.1	37.2	40.3	42.5	44.3
60°	20.5	22.6	25.3	27.9	30.9	34.0	37.2	40.5	43.9	46.3	47.8
62.5°	21.5	23.7	26.5	29.7	32.8	36.6	40.2	43.7	47.3	50.2	51.6
65°	22.4	24.7	27.5	31.1	34.7	38.7	42.9	46.9	50.7	54.3	55.6
67.5°	23.1	25.5	28.5	32.3	36.4	40.7	45.6	50.1	54.1	58.3	59.6
70°	23.5	26.3	29.5	33.3	37.9	42.5	48.1	53.1	57.5	61.7	62.7
72.5°	23.9	27.0	30.3	34.4	39.3	44.1	49.5	54.3	58.2	61.4	62.6
75°	24.3	27.7	31.2	35.4	40.3	45.1	50.2	55.1	58.8	61.4	62.5
77.5°	24.7	28.4	32.2	36.5	41.4	46.3	51.1	56.0	59.6	61.7	62.5
80°	25.3	29.2	33.3	37.7	42.8	47.6	52.3	57.0	60.6	62.1	62.5
82.5°	25.9	30.0	34.5	38.9	44.3	49.2	53.6	58.3	61.8	62.8	62.6
85°	26.6	31.0	35.9	40.3	46.1	51.0	55.2	59.7	63.2	63.6	62.7
87.5°	27.5	32.1	37.3	41.9	48.0	52.9	56.9	61.2	64.6	64.4	62.8
90°	28.6	33.4	39.0	43.7	50.1	54.9	58.8	62.8	66.0	65.2	62.8
92.5°	27.5	32.1	37.3	41.9	48.0	52.9	56.9	61.2	64.6	64.4	62.8
95°	26.6	31.0	35.9	40.3	46.1	51.0	55.2	59.7	63.2	63.6	62.7
97.5°	25.9	30.0	34.5	38.9	44.3	49.2	53.6	58.3	61.8	62.8	62.6
100°	25.3	29.2	33.3	37.7	42.8	47.6	52.3	57.0	60.6	62.1	62.5
102.5°	24.7	28.4	32.2	36.5	41.4	46.3	51.1	56.0	59.6	61.7	62.5
105°	24.3	27.7	31.2	35.4	40.3	45.1	50.2	55.1	58.8	61.4	62.5
107.5°	23.9	27.0	30.3	34.4	39.3	44.1	49.5	54.3	58.2	61.4	62.6
110°	23.5	26.3	29.5	33.3	37.9	42.5	48.1	53.1	57.5	61.7	62.7



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	23.1	25.5	28.5	32.3	36.4	40.7	45.6	50.1	54.1	58.3	59.6
115°	22.4	24.7	27.5	31.1	34.7	38.7	42.9	46.9	50.7	54.3	55.6
117.5°	21.5	23.7	26.5	29.7	32.8	36.6	40.2	43.7	47.3	50.2	51.6
120°	20.5	22.6	25.3	27.9	30.9	34.0	37.2	40.5	43.9	46.3	47.8
122.5°	19.2	21.4	23.7	25.9	28.5	31.2	34.1	37.2	40.3	42.5	44.3
125°	18.7	20.3	21.7	23.6	25.8	28.2	31.0	33.9	36.6	39.0	41.2
127.5°	18.4	19.5	20.6	21.8	22.9	25.2	27.8	30.4	33.1	35.8	38.5
130°	17.5	18.6	19.8	20.9	22.1	23.5	25.1	27.1	30.0	33.1	36.5
132.5°	16.7	17.9	19.0	20.1	21.4	22.8	24.3	26.2	28.5	31.2	35.0
135°	16.1	17.2	18.3	19.4	20.6	22.0	23.6	25.4	27.7	30.5	33.9
137.5°	15.5	16.5	17.5	18.6	19.9	21.2	22.7	24.6	26.8	29.6	32.5
140°	14.9	15.7	16.7	17.9	19.1	20.3	21.9	23.7	25.9	28.3	31.0
142.5°	14.0	15.0	16.1	17.1	18.1	19.5	21.0	22.8	24.7	26.9	29.2
145°	13.4	14.4	15.2	16.0	17.2	18.6	20.0	21.5	23.2	25.2	27.4
147.5°	12.6	13.2	14.0	15.1	16.3	17.3	18.5	19.9	21.5	23.2	25.1
150°	11.5	12.3	13.1	14.0	14.8	15.6	16.8	18.1	19.4	20.8	22.3
152.5°	10.9	11.6	12.1	12.6	13.1	13.8	14.9	15.8	16.8	17.8	19.0
155°	10.0	10.5	11.0	11.6	12.3	12.9	13.3	13.6	14.0	14.3	15.1
157.5°	9.0	9.6	10.2	10.8	11.2	11.6	11.9	12.2	12.5	12.8	13.1
160°	8.3	8.8	9.2	9.5	9.9	10.2	10.6	10.8	11.1	11.4	11.6
162.5°	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.5	9.7	9.9	10.1
165°	6.2	6.5	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.7
167.5°	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.2
170°	4.1	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.5	5.6	5.8
172.5°	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.3
175°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9
177.5°	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
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: P231901

CATALOG NUMBER: FVS4WM-2-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°	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.8
5°	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.6
7.5°	4.4	4.5	4.5	4.6	4.7	4.7	4.7	4.7	4.8	4.8	5.4
10°	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.3	6.3	6.4	7.2
12.5°	7.4	7.5	7.6	7.7	7.8	7.8	7.9	7.9	7.9	7.9	9.0
15°	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.5	9.5	9.5	10.8
17.5°	10.3	10.5	10.6	10.8	10.9	11.0	11.0	11.1	11.1	11.1	12.6
20°	11.8	12.0	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.7	14.3
22.5°	13.3	13.5	13.7	13.9	14.0	14.1	14.2	14.3	14.3	14.3	16.1
25°	15.9	16.7	17.5	18.2	18.8	19.1	19.3	19.5	19.5	19.4	21.3
27.5°	20.2	21.3	22.5	23.5	24.2	24.7	24.8	24.8	24.7	24.5	26.5
30°	23.9	25.6	27.1	28.6	29.6	30.4	30.4	30.3	30.0	29.7	31.6
32.5°	27.1	29.3	31.4	33.4	34.8	35.9	36.0	35.7	35.3	34.8	36.7
35°	29.9	32.6	35.4	37.9	40.0	41.3	41.7	41.2	40.6	39.9	41.8
37.5°	32.2	35.4	38.9	42.1	45.2	46.6	47.4	46.8	46.0	45.0	46.9
40°	34.1	37.8	42.0	46.0	49.6	51.9	53.2	52.3	51.3	50.2	52.0
42.5°	35.6	40.0	44.7	49.9	53.9	57.1	59.0	57.9	56.7	55.3	57.0
45°	37.4	41.8	47.1	52.9	58.1	62.3	64.4	63.6	62.0	60.4	62.0
47.5°	38.9	42.9	48.2	53.8	59.0	63.6	66.0	66.1	65.5	65.2	68.5
50°	40.0	43.3	48.1	53.4	58.8	63.9	67.1	68.4	68.9	70.0	75.1
52.5°	41.6	44.5	48.4	53.3	58.6	64.0	68.0	70.5	72.2	74.7	81.8
55°	43.6	46.0	48.9	53.3	58.5	64.0	68.9	72.5	75.3	79.5	88.6
57.5°	46.1	47.8	49.8	53.6	58.6	64.2	69.7	74.4	78.4	84.3	95.5
60°	48.9	50.0	51.1	54.3	58.8	64.3	70.4	76.1	81.4	89.1	102.5
62.5°	52.2	52.4	52.8	55.2	59.1	64.5	71.0	77.8	84.4	93.8	109.6
65°	55.7	55.2	54.9	56.3	59.6	64.7	71.6	79.4	87.2	98.6	116.7
67.5°	59.4	58.3	57.1	57.5	60.2	64.9	72.1	80.9	90.1	103.4	123.9
70°	61.7	59.7	57.8	57.5	59.8	64.3	71.4	80.1	89.3	102.9	123.2
72.5°	61.4	59.3	57.4	57.0	59.1	63.6	70.7	79.3	88.6	102.3	122.5
75°	61.2	58.9	56.9	56.6	58.5	63.0	70.1	78.6	87.9	101.8	122.4
77.5°	61.0	58.5	56.4	56.1	58.0	62.4	69.5	77.8	87.3	101.3	121.4
80°	60.7	58.0	55.8	55.7	57.4	61.9	69.1	77.1	86.6	100.7	120.3
82.5°	60.5	57.5	55.2	55.3	57.0	61.5	68.6	76.5	86.0	100.2	119.3
85°	60.2	56.9	54.6	54.9	56.5	61.1	68.2	75.8	85.4	99.7	118.2
87.5°	60.0	56.3	53.9	54.5	56.1	60.7	67.9	75.3	84.8	99.1	117.2
90°	59.6	55.7	53.3	54.1	55.7	60.4	67.6	74.7	84.3	98.6	116.1
92.5°	60.0	56.3	53.9	54.5	56.1	60.7	67.9	75.3	84.8	99.1	117.2
95°	60.2	56.9	54.6	54.9	56.5	61.1	68.2	75.8	85.4	99.7	118.2
97.5°	60.5	57.5	55.2	55.3	57.0	61.5	68.6	76.5	86.0	100.2	119.3
100°	60.7	58.0	55.8	55.7	57.4	61.9	69.1	77.1	86.6	100.7	120.3
102.5°	61.0	58.5	56.4	56.1	58.0	62.4	69.5	77.8	87.3	101.3	121.4
105°	61.2	58.9	56.9	56.6	58.5	63.0	70.1	78.6	87.9	101.8	122.4
107.5°	61.4	59.3	57.4	57.0	59.1	63.6	70.7	79.3	88.6	102.3	122.5
110°	61.7	59.7	57.8	57.5	59.8	64.3	71.4	80.1	89.3	102.9	123.2



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	59.4	58.3	57.1	57.5	60.2	64.9	72.1	80.9	90.1	103.4	123.9
115°	55.7	55.2	54.9	56.3	59.6	64.7	71.6	79.4	87.2	98.6	116.7
117.5°	52.2	52.4	52.8	55.2	59.1	64.5	71.0	77.8	84.4	93.8	109.6
120°	48.9	50.0	51.1	54.3	58.8	64.3	70.4	76.1	81.4	89.1	102.5
122.5°	46.1	47.8	49.8	53.6	58.6	64.2	69.7	74.4	78.4	84.3	95.5
125°	43.6	46.0	48.9	53.3	58.5	64.0	68.9	72.5	75.3	79.5	88.6
127.5°	41.6	44.5	48.4	53.3	58.6	64.0	68.0	70.5	72.2	74.7	81.8
130°	40.0	43.3	48.1	53.4	58.8	63.9	67.1	68.4	68.9	70.0	75.1
132.5°	38.9	42.9	48.2	53.8	59.0	63.6	66.0	66.1	65.5	65.2	68.5
135°	37.4	41.8	47.1	52.9	58.1	62.3	64.4	63.6	62.0	60.4	62.0
137.5°	35.6	40.0	44.7	49.9	53.9	57.1	59.0	57.9	56.7	55.3	57.0
140°	34.1	37.8	42.0	46.0	49.6	51.9	53.2	52.3	51.3	50.2	52.0
142.5°	32.2	35.4	38.9	42.1	45.2	46.6	47.4	46.8	46.0	45.0	46.9
145°	29.9	32.6	35.4	37.9	40.0	41.3	41.7	41.2	40.6	39.9	41.8
147.5°	27.1	29.3	31.4	33.4	34.8	35.9	36.0	35.7	35.3	34.8	36.7
150°	23.9	25.6	27.1	28.6	29.6	30.4	30.4	30.3	30.0	29.7	31.6
152.5°	20.2	21.3	22.5	23.5	24.2	24.7	24.8	24.8	24.7	24.5	26.5
155°	15.9	16.7	17.5	18.2	18.8	19.1	19.3	19.5	19.5	19.4	21.3
157.5°	13.3	13.5	13.7	13.9	14.0	14.1	14.2	14.3	14.3	14.3	16.1
160°	11.8	12.0	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.7	14.3
162.5°	10.3	10.5	10.6	10.8	10.9	11.0	11.0	11.1	11.1	11.1	12.6
165°	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.5	9.5	9.5	10.8
167.5°	7.4	7.5	7.6	7.7	7.8	7.8	7.9	7.9	7.9	7.9	9.0
170°	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.3	6.3	6.4	7.2
172.5°	4.4	4.5	4.5	4.6	4.7	4.7	4.7	4.7	4.8	4.8	5.4
175°	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.6
177.5°	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.8
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: P231901

CATALOG NUMBER: FVS4WM-2-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°	2.0	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8
5°	4.0	4.4	4.8	5.2	5.6	5.9	6.3	6.6	6.9	7.2	7.6
7.5°	6.0	6.6	7.2	7.8	8.3	8.9	9.4	10.2	10.9	11.7	12.3
10°	8.0	8.8	9.6	10.3	11.1	12.2	13.2	14.2	15.2	16.1	17.1
12.5°	10.0	11.0	12.0	13.1	14.4	15.7	16.9	18.2	19.4	20.5	21.5
15°	12.0	13.2	14.4	16.0	17.6	19.1	20.6	21.9	23.3	24.6	26.0
17.5°	14.0	15.4	17.0	18.9	20.7	22.4	24.0	25.5	27.1	28.5	30.0
20°	15.9	17.6	19.6	21.7	23.7	25.5	27.3	29.0	30.7	32.3	33.9
22.5°	17.9	19.9	22.2	24.5	26.5	28.5	30.4	32.3	34.1	35.9	37.8
25°	23.1	25.2	27.6	29.7	31.6	33.3	34.9	36.5	37.9	39.3	41.3
27.5°	28.3	30.8	33.3	35.5	37.5	39.3	40.9	42.5	44.0	45.5	46.6
30°	33.5	36.3	39.0	41.2	43.4	45.0	46.6	48.4	50.0	51.2	52.2
32.5°	38.8	41.7	44.5	46.8	48.9	50.6	52.3	54.1	55.5	56.5	58.0
35°	44.0	47.2	50.0	52.4	54.3	56.0	57.9	59.6	60.6	61.8	63.7
37.5°	49.3	52.6	55.4	57.9	59.5	61.3	63.3	64.6	65.6	67.2	69.2
40°	54.5	58.0	60.8	63.1	64.6	66.6	68.5	69.3	70.6	72.2	75.1
42.5°	59.7	63.3	66.1	68.2	69.6	71.8	73.2	73.9	75.3	77.5	80.7
45°	64.9	68.5	71.4	73.1	74.7	76.9	77.6	78.5	79.7	82.8	86.2
47.5°	73.2	78.3	82.4	84.1	84.9	85.1	84.2	83.5	84.5	87.9	91.5
50°	82.0	89.1	94.9	97.9	98.1	97.4	96.5	96.0	96.7	97.8	99.3
52.5°	91.0	100.1	107.6	112.1	110.7	109.6	108.9	108.7	109.6	110.7	112.7
55°	100.2	111.6	120.7	125.9	122.9	121.7	121.4	121.5	122.3	123.1	125.3
57.5°	109.7	123.3	134.0	139.0	134.8	133.9	133.8	134.2	134.7	135.4	137.3
60°	119.3	135.2	147.7	151.7	147.0	146.1	146.3	146.6	146.8	147.3	148.3
62.5°	129.0	147.4	161.6	164.2	159.2	158.5	158.9	158.9	158.6	158.6	158.6
65°	138.9	159.8	175.7	176.4	171.3	170.9	171.3	170.9	170.1	169.4	168.2
67.5°	148.9	172.3	190.0	188.4	183.4	183.3	183.5	182.7	181.4	179.6	177.1
70°	148.7	173.3	193.1	193.5	191.3	191.7	191.9	191.6	190.6	188.7	185.4
72.5°	148.1	173.5	194.7	197.7	197.6	197.3	196.6	195.9	194.3	191.5	188.5
75°	147.4	173.5	196.3	202.6	204.1	202.6	201.0	200.1	197.9	194.2	191.0
77.5°	146.5	173.4	197.9	208.0	210.5	207.7	205.4	204.4	201.2	196.8	193.6
80°	146.4	173.2	199.5	213.9	217.1	212.7	209.6	208.7	204.5	199.3	196.2
82.5°	144.9	173.6	201.9	220.0	223.6	217.6	213.9	212.9	207.8	201.8	198.9
85°	143.5	172.7	202.7	226.7	230.3	222.2	217.9	217.2	211.0	204.4	201.7
87.5°	142.1	171.8	203.5	232.6	236.8	227.2	222.3	221.5	214.3	207.0	204.5
90°	140.7	170.9	204.3	238.5	243.3	232.2	226.6	225.8	217.8	209.9	207.5
92.5°	142.1	171.8	203.5	232.6	236.8	227.2	222.3	221.5	214.3	207.0	204.5
95°	143.5	172.7	202.7	226.7	230.3	222.2	217.9	217.2	211.0	204.4	201.7
97.5°	144.9	173.6	201.9	220.0	223.6	217.6	213.9	212.9	207.8	201.8	198.9
100°	146.4	173.2	199.5	213.9	217.1	212.7	209.6	208.7	204.5	199.3	196.2
102.5°	146.5	173.4	197.9	208.0	210.5	207.7	205.4	204.4	201.2	196.8	193.6
105°	147.4	173.5	196.3	202.6	204.1	202.6	201.0	200.1	197.9	194.2	191.0
107.5°	148.1	173.5	194.7	197.7	197.6	197.3	196.6	195.9	194.3	191.5	188.5
110°	148.7	173.3	193.1	193.5	191.3	191.7	191.9	191.6	190.6	188.7	185.4



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	148.9	172.3	190.0	188.4	183.4	183.3	183.5	182.7	181.4	179.6	177.1
115°	138.9	159.8	175.7	176.4	171.3	170.9	171.3	170.9	170.1	169.4	168.2
117.5°	129.0	147.4	161.6	164.2	159.2	158.5	158.9	158.9	158.6	158.6	158.6
120°	119.3	135.2	147.7	151.7	147.0	146.1	146.3	146.6	146.8	147.3	148.3
122.5°	109.7	123.3	134.0	139.0	134.8	133.9	133.8	134.2	134.7	135.4	137.3
125°	100.2	111.6	120.7	125.9	122.9	121.7	121.4	121.5	122.3	123.1	125.3
127.5°	91.0	100.1	107.6	112.1	110.7	109.6	108.9	108.7	109.6	110.7	112.7
130°	82.0	89.1	94.9	97.9	98.1	97.4	96.5	96.0	96.7	97.8	99.3
132.5°	73.2	78.3	82.4	84.1	84.9	85.1	84.2	83.5	84.5	87.9	91.5
135°	64.9	68.5	71.4	73.1	74.7	76.9	77.6	78.5	79.7	82.8	86.2
137.5°	59.7	63.3	66.1	68.2	69.6	71.8	73.2	73.9	75.3	77.5	80.7
140°	54.5	58.0	60.8	63.1	64.6	66.6	68.5	69.3	70.6	72.2	75.1
142.5°	49.3	52.6	55.4	57.9	59.5	61.3	63.3	64.6	65.6	67.2	69.2
145°	44.0	47.2	50.0	52.4	54.3	56.0	57.9	59.6	60.6	61.8	63.7
147.5°	38.8	41.7	44.5	46.8	48.9	50.6	52.3	54.1	55.5	56.5	58.0
150°	33.5	36.3	39.0	41.2	43.4	45.0	46.6	48.4	50.0	51.2	52.2
152.5°	28.3	30.8	33.3	35.5	37.5	39.3	40.9	42.5	44.0	45.5	46.6
155°	23.1	25.2	27.6	29.7	31.6	33.3	34.9	36.5	37.9	39.3	41.3
157.5°	17.9	19.9	22.2	24.5	26.5	28.5	30.4	32.3	34.1	35.9	37.8
160°	15.9	17.6	19.6	21.7	23.7	25.5	27.3	29.0	30.7	32.3	33.9
162.5°	14.0	15.4	17.0	18.9	20.7	22.4	24.0	25.5	27.1	28.5	30.0
165°	12.0	13.2	14.4	16.0	17.6	19.1	20.6	21.9	23.3	24.6	26.0
167.5°	10.0	11.0	12.0	13.1	14.4	15.7	16.9	18.2	19.4	20.5	21.5
170°	8.0	8.8	9.6	10.3	11.1	12.2	13.2	14.2	15.2	16.1	17.1
172.5°	6.0	6.6	7.2	7.8	8.3	8.9	9.4	10.2	10.9	11.7	12.3
175°	4.0	4.4	4.8	5.2	5.6	5.9	6.3	6.6	6.9	7.2	7.6
177.5°	2.0	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8
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: P231901

CATALOG NUMBER: FVS4WM-2-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°	3.9	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9
5°	8.0	8.4	8.8	9.2	9.6	9.9	10.3	10.6	10.8	11.1	11.3
7.5°	13.0	13.6	14.3	14.8	15.4	15.9	16.4	16.8	17.2	17.6	18.0
10°	17.9	18.7	19.5	20.3	21.0	21.7	22.3	22.9	23.5	24.0	24.4
12.5°	22.6	23.6	24.6	25.5	26.4	27.2	28.0	28.8	29.5	30.2	31.0
15°	27.1	28.3	29.4	30.5	31.6	32.7	33.9	34.9	36.0	37.0	37.9
17.5°	31.4	32.9	34.2	35.6	37.0	38.3	39.6	40.8	42.0	43.1	44.2
20°	35.6	37.2	38.8	40.4	41.8	43.3	44.7	46.1	47.5	48.8	50.1
22.5°	39.6	41.3	42.9	44.5	46.1	48.0	49.8	51.5	53.0	54.2	55.1
25°	43.0	44.7	46.6	48.7	50.9	53.0	55.0	56.8	58.2	59.6	61.0
27.5°	47.6	48.8	50.7	53.3	56.0	58.6	61.1	63.3	65.4	67.2	68.7
30°	53.7	55.6	57.6	60.1	62.6	65.5	68.6	71.4	73.8	75.7	77.5
32.5°	59.9	62.1	64.9	67.7	71.0	74.2	77.4	80.4	83.0	85.3	87.2
35°	66.0	68.9	72.0	75.5	79.1	82.8	86.2	89.5	92.6	95.6	98.7
37.5°	72.3	75.5	79.2	83.1	87.3	91.2	95.1	98.8	102.6	106.8	110.2
40°	78.4	82.2	86.3	90.9	95.3	99.7	104.1	108.4	112.9	117.4	122.1
42.5°	84.4	88.5	93.5	98.5	103.4	108.2	113.0	118.3	123.9	129.4	135.5
45°	90.1	95.3	100.7	106.2	111.4	116.5	122.5	128.4	134.9	142.0	150.5
47.5°	96.3	101.9	107.9	113.6	119.0	125.5	131.9	138.6	146.6	155.7	167.0
50°	102.8	108.7	114.9	120.6	127.3	134.2	140.9	149.2	159.2	171.3	184.9
52.5°	115.8	119.6	123.3	127.9	135.8	142.0	150.1	160.1	172.7	187.7	206.0
55°	128.0	131.0	134.3	138.9	144.1	149.9	159.1	171.7	187.0	206.0	227.5
57.5°	139.2	141.2	144.2	148.5	153.5	161.8	171.5	183.5	202.6	224.4	249.0
60°	149.4	150.5	153.1	157.3	164.2	173.9	184.7	200.4	219.6	241.9	273.7
62.5°	158.6	159.0	160.9	165.4	175.5	185.7	198.4	215.5	237.2	266.4	299.4
65°	167.0	166.7	168.7	175.2	186.5	196.1	210.6	230.8	257.1	289.1	324.8
67.5°	174.8	173.3	176.0	185.6	196.1	206.6	222.2	244.5	275.6	309.7	348.3
70°	182.0	179.4	182.8	195.8	204.5	215.5	233.8	260.0	291.9	327.1	369.7
72.5°	185.8	185.0	191.0	204.7	211.9	223.1	243.9	273.1	305.0	342.9	386.0
75°	188.4	189.2	198.0	210.8	219.8	232.2	254.3	283.7	314.7	355.1	399.7
77.5°	191.2	193.4	204.5	217.1	227.4	241.9	265.3	294.2	326.4	366.1	410.6
80°	194.2	197.6	210.5	223.6	234.6	250.1	274.4	302.9	336.3	376.5	423.4
82.5°	197.2	201.6	215.9	230.2	241.4	256.9	281.7	309.6	343.3	383.8	432.7
85°	200.3	205.6	220.8	236.6	247.8	262.5	287.3	314.5	347.5	388.0	438.4
87.5°	203.5	209.5	225.4	242.9	253.9	267.5	292.0	318.5	350.2	390.6	442.2
90°	206.7	213.1	229.0	248.1	259.2	271.1	294.2	319.6	349.0	388.0	438.9
92.5°	203.5	209.5	225.4	242.9	253.9	267.5	292.0	318.5	350.2	390.6	442.2
95°	200.3	205.6	220.8	236.6	247.8	262.5	287.3	314.5	347.5	388.0	438.4
97.5°	197.2	201.6	215.9	230.2	241.4	256.9	281.7	309.6	343.3	383.8	432.7
100°	194.2	197.6	210.5	223.6	234.6	250.1	274.4	302.9	336.3	376.5	423.4
102.5°	191.2	193.4	204.5	217.1	227.4	241.9	265.3	294.2	326.4	366.1	410.6
105°	188.4	189.2	198.0	210.8	219.8	232.2	254.3	283.7	314.7	355.1	399.7
107.5°	185.8	185.0	191.0	204.7	211.9	223.1	243.9	273.1	305.0	342.9	386.0
110°	182.0	179.4	182.8	195.8	204.5	215.5	233.8	260.0	291.9	327.1	369.7



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-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°	174.8	173.3	176.0	185.6	196.1	206.6	222.2	244.5	275.6	309.7	348.3
115°	167.0	166.7	168.7	175.2	186.5	196.1	210.6	230.8	257.1	289.1	324.8
117.5°	158.6	159.0	160.9	165.4	175.5	185.7	198.4	215.5	237.2	266.4	299.4
120°	149.4	150.5	153.1	157.3	164.2	173.9	184.7	200.4	219.6	241.9	273.7
122.5°	139.2	141.2	144.2	148.5	153.5	161.8	171.5	183.5	202.6	224.4	249.0
125°	128.0	131.0	134.3	138.9	144.1	149.9	159.1	171.7	187.0	206.0	227.5
127.5°	115.8	119.6	123.3	127.9	135.8	142.0	150.1	160.1	172.7	187.7	206.0
130°	102.8	108.7	114.9	120.6	127.3	134.2	140.9	149.2	159.2	171.3	184.9
132.5°	96.3	101.9	107.9	113.6	119.0	125.5	131.9	138.6	146.6	155.7	167.0
135°	90.1	95.3	100.7	106.2	111.4	116.5	122.5	128.4	134.9	142.0	150.5
137.5°	84.4	88.5	93.5	98.5	103.4	108.2	113.0	118.3	123.9	129.4	135.5
140°	78.4	82.2	86.3	90.9	95.3	99.7	104.1	108.4	112.9	117.4	122.1
142.5°	72.3	75.5	79.2	83.1	87.3	91.2	95.1	98.8	102.6	106.8	110.2
145°	66.0	68.9	72.0	75.5	79.1	82.8	86.2	89.5	92.6	95.6	98.7
147.5°	59.9	62.1	64.9	67.7	71.0	74.2	77.4	80.4	83.0	85.3	87.2
150°	53.7	55.6	57.6	60.1	62.6	65.5	68.6	71.4	73.8	75.7	77.5
152.5°	47.6	48.8	50.7	53.3	56.0	58.6	61.1	63.3	65.4	67.2	68.7
155°	43.0	44.7	46.6	48.7	50.9	53.0	55.0	56.8	58.2	59.6	61.0
157.5°	39.6	41.3	42.9	44.5	46.1	48.0	49.8	51.5	53.0	54.2	55.1
160°	35.6	37.2	38.8	40.4	41.8	43.3	44.7	46.1	47.5	48.8	50.1
162.5°	31.4	32.9	34.2	35.6	37.0	38.3	39.6	40.8	42.0	43.1	44.2
165°	27.1	28.3	29.4	30.5	31.6	32.7	33.9	34.9	36.0	37.0	37.9
167.5°	22.6	23.6	24.6	25.5	26.4	27.2	28.0	28.8	29.5	30.2	31.0
170°	17.9	18.7	19.5	20.3	21.0	21.7	22.3	22.9	23.5	24.0	24.4
172.5°	13.0	13.6	14.3	14.8	15.4	15.9	16.4	16.8	17.2	17.6	18.0
175°	8.0	8.4	8.8	9.2	9.6	9.9	10.3	10.6	10.8	11.1	11.3
177.5°	3.9	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9
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: P231901

CATALOG NUMBER: FVS4WM-2-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°	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.1	5.1	5.0	4.9
5°	11.5	11.7	11.9	12.0	12.1	12.2	12.2	12.2	12.4	12.3	12.2
7.5°	18.3	18.6	18.8	19.0	19.2	19.3	19.4	19.5	19.5	19.6	19.4
10°	24.9	25.3	25.6	25.9	26.1	26.3	26.5	26.5	26.6	26.8	26.6
12.5°	31.7	32.3	32.9	33.4	33.9	34.3	34.6	34.9	35.0	35.2	35.3
15°	38.7	39.5	40.3	40.9	41.6	42.1	42.6	43.0	43.3	43.5	43.9
17.5°	45.2	46.1	47.0	47.7	48.3	48.9	49.3	49.7	49.9	50.1	50.4
20°	51.2	52.1	52.5	52.8	53.0	53.1	53.0	52.8	52.6	52.2	51.9
22.5°	55.8	56.3	56.9	57.4	57.6	57.7	57.6	57.3	56.9	56.4	55.8
25°	62.2	63.0	63.6	64.0	64.1	64.0	63.7	63.1	62.4	61.5	60.5
27.5°	69.9	70.8	71.3	71.7	72.2	72.3	72.2	71.9	71.3	70.5	69.5
30°	78.9	80.1	81.1	81.8	83.4	84.7	85.8	86.5	87.0	87.1	86.9
32.5°	89.2	91.7	94.1	96.3	98.3	100.2	101.8	103.0	103.9	104.5	104.6
35°	101.7	104.7	107.7	110.5	113.4	117.3	120.9	124.1	126.9	129.2	130.9
37.5°	113.9	117.8	123.0	128.1	133.2	138.3	143.0	147.0	150.5	153.4	155.5
40°	127.5	133.4	140.1	146.9	153.3	160.3	168.0	175.1	181.4	186.8	191.2
42.5°	142.8	150.3	158.7	168.9	178.9	188.9	200.2	210.6	220.0	228.3	235.2
45°	159.5	170.5	181.3	195.1	209.3	224.5	237.5	251.0	263.2	273.8	282.8
47.5°	179.1	193.7	209.0	224.9	243.0	260.6	278.7	297.0	314.1	329.6	343.1
50°	202.0	219.6	239.0	258.3	279.7	302.5	326.0	350.6	372.7	392.1	408.6
52.5°	226.1	247.2	271.4	295.5	322.8	352.2	381.7	409.8	433.9	454.0	470.2
55°	250.6	278.3	307.3	340.1	373.4	408.6	441.9	471.4	494.2	510.4	520.8
57.5°	278.9	312.1	347.6	386.2	427.6	468.2	509.6	533.4	547.3	556.3	561.0
60°	308.7	346.3	387.5	431.2	478.1	520.6	557.0	579.6	585.4	589.6	592.0
62.5°	336.8	378.7	424.2	473.0	517.3	557.1	584.6	605.8	611.5	615.4	617.4
65°	364.4	406.8	455.7	505.1	548.8	583.5	610.8	627.6	634.1	638.2	641.1
67.5°	390.4	435.2	484.1	535.1	580.7	620.0	640.8	649.4	652.5	656.1	659.8
70°	413.4	462.6	515.0	569.0	625.2	651.0	663.3	666.1	667.5	671.5	676.5
72.5°	433.6	486.1	543.5	603.7	649.6	672.9	677.6	679.7	683.3	687.3	692.0
75°	450.4	508.4	567.8	623.5	663.6	682.7	687.3	689.8	695.0	702.6	706.7
77.5°	463.6	526.9	583.4	637.8	674.4	690.5	694.7	697.0	707.4	715.6	717.4
80°	479.1	537.9	593.0	651.2	688.6	699.9	703.2	709.6	717.2	722.8	720.3
82.5°	490.8	548.4	608.1	663.4	695.9	707.3	712.1	717.6	721.8	724.8	726.3
85°	497.1	555.2	617.8	674.0	701.3	710.0	715.1	717.8	717.5	725.3	735.3
87.5°	500.3	557.8	621.5	680.7	705.5	710.1	710.0	712.7	718.8	730.5	733.7
90°	494.5	555.7	619.3	682.2	707.6	709.2	702.8	708.4	727.5	737.0	734.6
92.5°	500.3	557.8	621.5	680.7	705.5	710.1	710.0	712.7	718.8	730.5	733.7
95°	497.1	555.2	617.8	674.0	701.3	710.0	715.1	717.8	717.5	725.3	735.3
97.5°	490.8	548.4	608.1	663.4	695.9	707.3	712.1	717.6	721.8	724.8	726.3
100°	479.1	537.9	593.0	651.2	688.6	699.9	703.2	709.6	717.2	722.8	720.3
102.5°	463.6	526.9	583.4	637.8	674.4	690.5	694.7	697.0	707.4	715.6	717.4
105°	450.4	508.4	567.8	623.5	663.6	682.7	687.3	689.8	695.0	702.6	706.7
107.5°	433.6	486.1	543.5	603.7	649.6	672.9	677.6	679.7	683.3	687.3	692.0
110°	413.4	462.6	515.0	569.0	625.2	651.0	663.3	666.1	667.5	671.5	676.5



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	390.4	435.2	484.1	535.1	580.7	620.0	640.8	649.4	652.5	656.1	659.8
115°	364.4	406.8	455.7	505.1	548.8	583.5	610.8	627.6	634.1	638.2	641.1
117.5°	336.8	378.7	424.2	473.0	517.3	557.1	584.6	605.8	611.5	615.4	617.4
120°	308.7	346.3	387.5	431.2	478.1	520.6	557.0	579.6	585.4	589.6	592.0
122.5°	278.9	312.1	347.6	386.2	427.6	468.2	509.6	533.4	547.3	556.3	561.0
125°	250.6	278.3	307.3	340.1	373.4	408.6	441.9	471.4	494.2	510.4	520.8
127.5°	226.1	247.2	271.4	295.5	322.8	352.2	381.7	409.8	433.9	454.0	470.2
130°	202.0	219.6	239.0	258.3	279.7	302.5	326.0	350.6	372.7	392.1	408.6
132.5°	179.1	193.7	209.0	224.9	243.0	260.6	278.7	297.0	314.1	329.6	343.1
135°	159.5	170.5	181.3	195.1	209.3	224.5	237.5	251.0	263.2	273.8	282.8
137.5°	142.8	150.3	158.7	168.9	178.9	188.9	200.2	210.6	220.0	228.3	235.2
140°	127.5	133.4	140.1	146.9	153.3	160.3	168.0	175.1	181.4	186.8	191.2
142.5°	113.9	117.8	123.0	128.1	133.2	138.3	143.0	147.0	150.5	153.4	155.5
145°	101.7	104.7	107.7	110.5	113.4	117.3	120.9	124.1	126.9	129.2	130.9
147.5°	89.2	91.7	94.1	96.3	98.3	100.2	101.8	103.0	103.9	104.5	104.6
150°	78.9	80.1	81.1	81.8	83.4	84.7	85.8	86.5	87.0	87.1	86.9
152.5°	69.9	70.8	71.3	71.7	72.2	72.3	72.2	71.9	71.3	70.5	69.5
155°	62.2	63.0	63.6	64.0	64.1	64.0	63.7	63.1	62.4	61.5	60.5
157.5°	55.8	56.3	56.9	57.4	57.6	57.7	57.6	57.3	56.9	56.4	55.8
160°	51.2	52.1	52.5	52.8	53.0	53.1	53.0	52.8	52.6	52.2	51.9
162.5°	45.2	46.1	47.0	47.7	48.3	48.9	49.3	49.7	49.9	50.1	50.4
165°	38.7	39.5	40.3	40.9	41.6	42.1	42.6	43.0	43.3	43.5	43.9
167.5°	31.7	32.3	32.9	33.4	33.9	34.3	34.6	34.9	35.0	35.2	35.3
170°	24.9	25.3	25.6	25.9	26.1	26.3	26.5	26.5	26.6	26.8	26.6
172.5°	18.3	18.6	18.8	19.0	19.2	19.3	19.4	19.5	19.5	19.6	19.4
175°	11.5	11.7	11.9	12.0	12.1	12.2	12.2	12.2	12.4	12.3	12.2
177.5°	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.1	5.1	5.0	4.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	4.9	4.8
5°	12.0	11.9
7.5°	19.3	19.1
10°	26.4	26.2
12.5°	35.2	35.0
15°	43.8	43.7
17.5°	50.2	50.1
20°	51.4	50.9
22.5°	55.0	54.1
25°	59.3	58.0
27.5°	68.4	66.8
30°	86.4	85.1
32.5°	104.5	103.4
35°	132.2	132.0
37.5°	157.3	157.4
40°	195.1	196.4
42.5°	241.4	244.1
45°	291.0	295.0
47.5°	355.8	362.5
50°	423.6	431.7
52.5°	484.3	491.3
55°	527.9	528.7
57.5°	563.0	559.7
60°	593.6	590.7
62.5°	617.4	615.4
65°	642.3	641.6
67.5°	662.6	663.9
70°	679.6	680.6
72.5°	694.2	694.1
75°	703.8	697.3
77.5°	710.6	702.0
80°	719.7	723.5
82.5°	729.7	732.2
85°	736.1	731.5
87.5°	737.7	733.0
90°	739.4	737.0
92.5°	737.7	733.0
95°	736.1	731.5
97.5°	729.7	732.2
100°	719.7	723.5
102.5°	710.6	702.0
105°	703.8	697.3
107.5°	694.2	694.1
110°	679.6	680.6



TEST NUMBER: P231901

CATALOG NUMBER: FVS4WM-2-LD4-35-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	662.6	663.9
115°	642.3	641.6
117.5°	617.4	615.4
120°	593.6	590.7
122.5°	563.0	559.7
125°	527.9	528.7
127.5°	484.3	491.3
130°	423.6	431.7
132.5°	355.8	362.5
135°	291.0	295.0
137.5°	241.4	244.1
140°	195.1	196.4
142.5°	157.3	157.4
145°	132.2	132.0
147.5°	104.5	103.4
150°	86.4	85.1
152.5°	68.4	66.8
155°	59.3	58.0
157.5°	55.0	54.1
160°	51.4	50.9
162.5°	50.2	50.1
165°	43.8	43.7
167.5°	35.2	35.0
170°	26.4	26.2
172.5°	19.3	19.1
175°	12.0	11.9
177.5°	4.9	4.8
180°	0.0	0.0

(END OF REPORT)