

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: P231896

Luminaire Tested: **FVS4WM-2-LD4-30-1LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231896
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-LD4-30-1LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

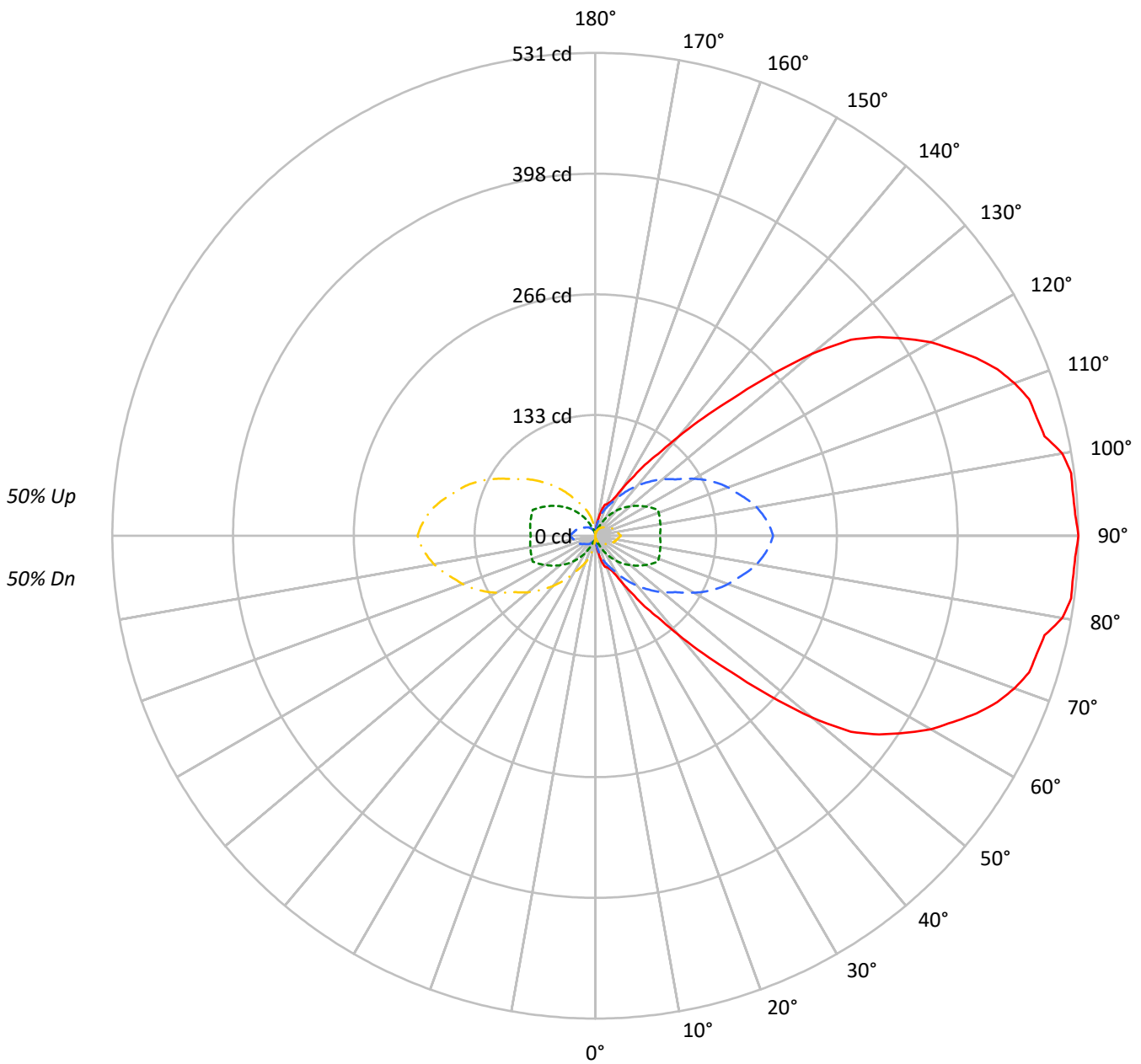
Lumens per Lamp: N/A
Luminaire Lumens: 1229.4 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 12.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	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°	226	68	0	68
10°	444	136	0	136
15°	675	205	0	205
20°	728	277	0	277
25°	777	430	0	430
30°	1080	676	0	676
35°	1605	942	0	942
40°	2307	1242	0	1242
45°	3375	1584	0	1584
50°	4854	1966	0	1966
55°	5886	2427	0	2427
60°	6561	2999	0	2999
65°	7163	3734	0	3734
70°	7698	4482	0	4482
75°	8053	5274	0	5274
80°	8603	6506	0	6506
85°	9034	8617	0	8617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	3.9	0.3
20°-30°	10.3	0.8
30°-40°	23.8	1.9
40°-50°	47.4	3.9
50°-60°	85.0	6.9
60°-70°	124.7	10.1
70°-80°	152.4	12.4
80°-90°	166.7	13.6
90°-100°	166.7	13.6
100°-110°	152.4	12.4
110°-120°	124.7	10.1
120°-130°	85.0	6.9
130°-140°	47.4	3.9
140°-150°	23.8	1.9
150°-160°	10.3	0.8
160°-170°	3.9	0.3
170°-180°	0.5	0.0
0°-30°	14.7	1.2
0°-40°	38.5	3.1
0°-60°	170.9	13.9
0°-90°	614.7	50.0
90°-120°	443.8	36.1
90°-150°	600.0	48.8
90°-180°	615.0	50.0
0°-180°	1229.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	9	2	0	2	9	1
15°	32	7	0	7	32	9
25°	42	14	0	14	42	21
35°	95	29	0	29	95	61
45°	212	44	0	44	212	171
55°	381	57	0	57	381	339
65°	462	71	0	71	462	458
75°	502	73	0	73	502	533
85°	527	72	0	72	527	430
90°	531	71	0	71	531	290
95°	527	72	0	72	527	430
105°	502	73	0	73	502	533
115°	462	71	0	71	462	458
125°	381	57	0	57	381	339
135°	212	44	0	44	212	171
145°	95	29	0	29	95	61
155°	42	14	0	14	42	21
165°	32	7	0	7	32	9
175°	9	2	0	2	9	1
180°	0	0	0	0	0	



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.6	3.6	3.6	3.6
5°	8.6	8.7	8.8	8.9	9.0	8.8	8.8	8.8	8.7	8.6	8.5
7.5°	13.7	13.8	14.0	14.1	14.0	14.0	13.9	13.9	13.8	13.7	13.5
10°	18.9	19.0	19.2	19.3	19.2	19.1	19.1	19.0	18.8	18.6	18.4
12.5°	25.2	25.3	25.5	25.3	25.2	25.1	24.9	24.7	24.4	24.1	23.7
15°	31.5	31.6	31.6	31.4	31.2	31.0	30.7	30.4	30.0	29.5	29.0
17.5°	36.1	36.2	36.3	36.1	36.0	35.8	35.5	35.2	34.8	34.4	33.8
20°	36.7	37.0	37.4	37.6	37.9	38.1	38.2	38.2	38.2	38.1	37.9
22.5°	39.0	39.6	40.3	40.6	41.0	41.3	41.5	41.6	41.6	41.4	41.0
25°	41.8	42.8	43.6	44.3	45.0	45.5	45.9	46.1	46.2	46.1	45.8
27.5°	48.1	49.2	50.1	50.8	51.4	51.8	52.0	52.1	52.0	51.7	51.4
30°	61.3	62.3	62.6	62.8	62.7	62.3	61.8	61.0	60.1	59.0	58.4
32.5°	74.5	75.3	75.3	75.3	74.9	74.2	73.3	72.2	70.9	69.4	67.8
35°	95.1	95.3	94.3	93.1	91.4	89.4	87.1	84.5	81.7	79.7	77.6
37.5°	113.4	113.3	112.0	110.5	108.5	106.0	103.0	99.6	96.0	92.3	88.6
40°	141.5	140.6	137.8	134.6	130.7	126.1	121.1	115.5	110.4	105.9	101.0
42.5°	175.9	174.0	169.5	164.5	158.6	151.8	144.3	136.1	128.9	121.7	114.4
45°	212.5	209.6	203.8	197.3	189.6	180.9	171.2	161.8	150.9	140.6	130.6
47.5°	261.2	256.3	247.2	237.5	226.3	214.0	200.8	187.8	175.2	162.1	150.6
50°	311.1	305.3	294.4	282.5	268.5	252.6	234.9	217.9	201.5	186.2	172.3
52.5°	354.0	349.0	338.8	327.1	312.7	295.3	275.1	253.8	232.6	212.9	195.6
55°	381.0	380.4	375.3	367.8	356.1	339.7	318.5	294.4	269.1	245.1	221.4
57.5°	403.3	405.7	404.2	400.9	394.4	384.3	367.2	337.4	308.1	278.3	250.5
60°	425.7	427.8	426.6	424.9	421.8	417.7	401.4	375.1	344.5	310.7	279.2
62.5°	443.4	444.9	444.8	443.4	440.6	436.5	421.3	401.4	372.8	340.8	305.7
65°	462.3	462.8	461.9	459.8	456.8	452.2	440.1	420.5	395.4	363.9	328.3
67.5°	478.4	477.5	475.4	472.8	470.1	467.9	461.7	446.8	418.5	385.6	348.8
70°	490.4	489.7	487.5	483.9	481.0	480.0	478.0	469.1	450.5	410.0	371.1
72.5°	500.1	500.2	498.6	495.2	492.3	489.8	488.3	484.9	468.1	435.1	391.6
75°	502.4	507.0	509.1	506.2	500.8	497.0	495.3	491.9	478.2	449.3	409.1
77.5°	505.9	512.0	516.9	515.6	509.7	502.2	500.6	497.6	485.9	459.6	420.4
80°	521.3	518.6	519.1	520.8	516.8	511.3	506.7	504.4	496.1	469.2	427.3
82.5°	527.6	525.8	523.3	522.3	520.1	517.1	513.1	509.7	501.5	478.0	438.2
85°	527.1	530.4	529.8	522.6	517.0	517.2	515.3	511.6	505.3	485.6	445.2
87.5°	528.2	531.6	528.7	526.4	517.9	513.5	511.6	511.7	508.4	490.4	447.9
90°	531.1	532.8	529.3	531.1	524.2	510.4	506.4	511.0	509.9	491.5	446.3
92.5°	528.2	531.6	528.7	526.4	517.9	513.5	511.6	511.7	508.4	490.4	447.9
95°	527.1	530.4	529.8	522.6	517.0	517.2	515.3	511.6	505.3	485.6	445.2
97.5°	527.6	525.8	523.3	522.3	520.1	517.1	513.1	509.7	501.5	478.0	438.2
100°	521.3	518.6	519.1	520.8	516.8	511.3	506.7	504.4	496.1	469.2	427.3
102.5°	505.9	512.0	516.9	515.6	509.7	502.2	500.6	497.6	485.9	459.6	420.4
105°	502.4	507.0	509.1	506.2	500.8	497.0	495.3	491.9	478.2	449.3	409.1
107.5°	500.1	500.2	498.6	495.2	492.3	489.8	488.3	484.9	468.1	435.1	391.6
110°	490.4	489.7	487.5	483.9	481.0	480.0	478.0	469.1	450.5	410.0	371.1



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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°	478.4	477.5	475.4	472.8	470.1	467.9	461.7	446.8	418.5	385.6	348.8
115°	462.3	462.8	461.9	459.8	456.8	452.2	440.1	420.5	395.4	363.9	328.3
117.5°	443.4	444.9	444.8	443.4	440.6	436.5	421.3	401.4	372.8	340.8	305.7
120°	425.7	427.8	426.6	424.9	421.8	417.7	401.4	375.1	344.5	310.7	279.2
122.5°	403.3	405.7	404.2	400.9	394.4	384.3	367.2	337.4	308.1	278.3	250.5
125°	381.0	380.4	375.3	367.8	356.1	339.7	318.5	294.4	269.1	245.1	221.4
127.5°	354.0	349.0	338.8	327.1	312.7	295.3	275.1	253.8	232.6	212.9	195.6
130°	311.1	305.3	294.4	282.5	268.5	252.6	234.9	217.9	201.5	186.2	172.3
132.5°	261.2	256.3	247.2	237.5	226.3	214.0	200.8	187.8	175.2	162.1	150.6
135°	212.5	209.6	203.8	197.3	189.6	180.9	171.2	161.8	150.9	140.6	130.6
137.5°	175.9	174.0	169.5	164.5	158.6	151.8	144.3	136.1	128.9	121.7	114.4
140°	141.5	140.6	137.8	134.6	130.7	126.1	121.1	115.5	110.4	105.9	101.0
142.5°	113.4	113.3	112.0	110.5	108.5	106.0	103.0	99.6	96.0	92.3	88.6
145°	95.1	95.3	94.3	93.1	91.4	89.4	87.1	84.5	81.7	79.7	77.6
147.5°	74.5	75.3	75.3	75.3	74.9	74.2	73.3	72.2	70.9	69.4	67.8
150°	61.3	62.3	62.6	62.8	62.7	62.3	61.8	61.0	60.1	59.0	58.4
152.5°	48.1	49.2	50.1	50.8	51.4	51.8	52.0	52.1	52.0	51.7	51.4
155°	41.8	42.8	43.6	44.3	45.0	45.5	45.9	46.1	46.2	46.1	45.8
157.5°	39.0	39.6	40.3	40.6	41.0	41.3	41.5	41.6	41.6	41.4	41.0
160°	36.7	37.0	37.4	37.6	37.9	38.1	38.2	38.2	38.2	38.1	37.9
162.5°	36.1	36.2	36.3	36.1	36.0	35.8	35.5	35.2	34.8	34.4	33.8
165°	31.5	31.6	31.6	31.4	31.2	31.0	30.7	30.4	30.0	29.5	29.0
167.5°	25.2	25.3	25.5	25.3	25.2	25.1	24.9	24.7	24.4	24.1	23.7
170°	18.9	19.0	19.2	19.3	19.2	19.1	19.1	19.0	18.8	18.6	18.4
172.5°	13.7	13.8	14.0	14.1	14.0	14.0	13.9	13.9	13.8	13.7	13.5
175°	8.6	8.7	8.8	8.9	9.0	8.8	8.8	8.8	8.7	8.6	8.5
177.5°	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.6	3.6	3.6	3.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0
5°	8.4	8.3	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6	6.3
7.5°	13.4	13.2	12.9	12.7	12.4	12.1	11.8	11.5	11.1	10.7	10.3
10°	18.2	17.9	17.6	17.2	16.9	16.5	16.0	15.6	15.1	14.6	14.0
12.5°	23.3	22.8	22.3	21.8	21.2	20.7	20.2	19.6	19.0	18.3	17.6
15°	28.5	27.9	27.3	26.7	25.9	25.2	24.4	23.6	22.8	22.0	21.2
17.5°	33.3	32.6	31.9	31.1	30.3	29.4	28.6	27.7	26.7	25.7	24.6
20°	37.5	36.9	36.1	35.2	34.2	33.2	32.2	31.2	30.2	29.1	28.0
22.5°	40.6	40.3	39.7	39.0	38.2	37.1	35.9	34.6	33.2	32.1	30.9
25°	45.4	44.8	44.0	43.0	42.0	40.9	39.7	38.2	36.7	35.1	33.6
27.5°	51.0	50.4	49.5	48.5	47.2	45.6	44.1	42.3	40.4	38.4	36.6
30°	57.7	56.8	55.9	54.6	53.2	51.5	49.5	47.3	45.1	43.4	41.5
32.5°	66.1	64.3	62.9	61.5	59.8	57.9	55.8	53.5	51.2	48.8	46.8
35°	75.5	73.3	71.1	68.9	66.7	64.5	62.2	59.7	57.0	54.5	51.9
37.5°	84.9	82.1	79.4	77.0	74.0	71.2	68.5	65.8	62.9	59.9	57.1
40°	96.1	91.9	88.0	84.6	81.4	78.1	75.0	71.9	68.7	65.5	62.2
42.5°	108.3	102.9	97.6	93.3	89.3	85.3	81.4	78.0	74.5	71.0	67.4
45°	122.9	115.0	108.4	102.3	97.2	92.5	88.3	84.0	80.3	76.5	72.6
47.5°	139.6	129.0	120.3	112.2	105.7	99.9	95.1	90.4	85.8	81.9	77.8
50°	158.3	145.6	133.2	123.4	114.7	107.5	101.5	96.7	91.7	86.9	82.8
52.5°	178.2	162.9	148.4	135.3	124.4	115.4	108.1	102.3	97.8	92.1	88.8
55°	200.5	180.6	163.9	148.4	134.7	123.7	114.7	108.0	103.8	100.1	96.7
57.5°	224.9	201.0	179.4	161.7	146.0	132.2	123.6	116.6	110.6	107.0	103.9
60°	249.6	222.5	197.2	174.3	158.2	144.4	133.0	125.3	118.3	113.3	110.3
62.5°	272.8	242.7	215.7	192.0	170.9	155.3	142.9	133.8	126.5	119.2	115.9
65°	293.1	262.6	234.0	208.3	185.3	166.3	151.8	141.3	134.4	126.3	121.6
67.5°	313.6	281.3	251.0	223.2	198.5	176.1	160.1	148.9	141.3	133.8	126.8
70°	333.3	297.8	266.4	235.7	210.3	187.3	168.5	155.3	147.4	141.1	131.7
72.5°	350.3	312.4	278.2	247.1	219.8	196.7	175.7	160.8	152.7	147.6	137.7
75°	366.3	324.5	288.0	255.9	226.7	204.3	183.2	167.4	158.4	151.9	142.7
77.5°	379.6	334.1	295.9	263.8	235.2	212.0	191.1	174.3	163.9	156.5	147.4
80°	387.6	345.2	305.1	271.3	242.3	218.2	197.7	180.2	169.1	161.2	151.7
82.5°	395.1	353.6	311.8	276.6	247.4	223.1	202.9	185.1	174.0	165.8	155.6
85°	400.0	358.1	315.8	279.6	250.4	226.6	207.0	189.2	178.6	170.4	159.1
87.5°	401.9	360.5	318.6	281.5	252.3	229.5	210.4	192.8	183.0	175.0	162.4
90°	400.4	356.3	316.2	279.6	251.5	230.3	212.0	195.4	186.8	178.7	165.0
92.5°	401.9	360.5	318.6	281.5	252.3	229.5	210.4	192.8	183.0	175.0	162.4
95°	400.0	358.1	315.8	279.6	250.4	226.6	207.0	189.2	178.6	170.4	159.1
97.5°	395.1	353.6	311.8	276.6	247.4	223.1	202.9	185.1	174.0	165.8	155.6
100°	387.6	345.2	305.1	271.3	242.3	218.2	197.7	180.2	169.1	161.2	151.7
102.5°	379.6	334.1	295.9	263.8	235.2	212.0	191.1	174.3	163.9	156.5	147.4
105°	366.3	324.5	288.0	255.9	226.7	204.3	183.2	167.4	158.4	151.9	142.7
107.5°	350.3	312.4	278.2	247.1	219.8	196.7	175.7	160.8	152.7	147.6	137.7
110°	333.3	297.8	266.4	235.7	210.3	187.3	168.5	155.3	147.4	141.1	131.7



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	313.6	281.3	251.0	223.2	198.5	176.1	160.1	148.9	141.3	133.8	126.8
115°	293.1	262.6	234.0	208.3	185.3	166.3	151.8	141.3	134.4	126.3	121.6
117.5°	272.8	242.7	215.7	192.0	170.9	155.3	142.9	133.8	126.5	119.2	115.9
120°	249.6	222.5	197.2	174.3	158.2	144.4	133.0	125.3	118.3	113.3	110.3
122.5°	224.9	201.0	179.4	161.7	146.0	132.2	123.6	116.6	110.6	107.0	103.9
125°	200.5	180.6	163.9	148.4	134.7	123.7	114.7	108.0	103.8	100.1	96.7
127.5°	178.2	162.9	148.4	135.3	124.4	115.4	108.1	102.3	97.8	92.1	88.8
130°	158.3	145.6	133.2	123.4	114.7	107.5	101.5	96.7	91.7	86.9	82.8
132.5°	139.6	129.0	120.3	112.2	105.7	99.9	95.1	90.4	85.8	81.9	77.8
135°	122.9	115.0	108.4	102.3	97.2	92.5	88.3	84.0	80.3	76.5	72.6
137.5°	108.3	102.9	97.6	93.3	89.3	85.3	81.4	78.0	74.5	71.0	67.4
140°	96.1	91.9	88.0	84.6	81.4	78.1	75.0	71.9	68.7	65.5	62.2
142.5°	84.9	82.1	79.4	77.0	74.0	71.2	68.5	65.8	62.9	59.9	57.1
145°	75.5	73.3	71.1	68.9	66.7	64.5	62.2	59.7	57.0	54.5	51.9
147.5°	66.1	64.3	62.9	61.5	59.8	57.9	55.8	53.5	51.2	48.8	46.8
150°	57.7	56.8	55.9	54.6	53.2	51.5	49.5	47.3	45.1	43.4	41.5
152.5°	51.0	50.4	49.5	48.5	47.2	45.6	44.1	42.3	40.4	38.4	36.6
155°	45.4	44.8	44.0	43.0	42.0	40.9	39.7	38.2	36.7	35.1	33.6
157.5°	40.6	40.3	39.7	39.0	38.2	37.1	35.9	34.6	33.2	32.1	30.9
160°	37.5	36.9	36.1	35.2	34.2	33.2	32.2	31.2	30.2	29.1	28.0
162.5°	33.3	32.6	31.9	31.1	30.3	29.4	28.6	27.7	26.7	25.7	24.6
165°	28.5	27.9	27.3	26.7	25.9	25.2	24.4	23.6	22.8	22.0	21.2
167.5°	23.3	22.8	22.3	21.8	21.2	20.7	20.2	19.6	19.0	18.3	17.6
170°	18.2	17.9	17.6	17.2	16.9	16.5	16.0	15.6	15.1	14.6	14.0
172.5°	13.4	13.2	12.9	12.7	12.4	12.1	11.8	11.5	11.1	10.7	10.3
175°	8.4	8.3	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6	6.3
177.5°	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.7
5°	6.0	5.7	5.4	5.2	4.9	4.7	4.5	4.2	4.0	3.7	3.4
7.5°	9.8	9.4	8.9	8.4	7.8	7.3	6.7	6.3	6.0	5.6	5.1
10°	13.5	12.9	12.3	11.6	10.9	10.2	9.5	8.7	8.0	7.4	6.9
12.5°	17.0	16.2	15.5	14.7	13.9	13.1	12.2	11.3	10.3	9.4	8.6
15°	20.3	19.5	18.7	17.7	16.8	15.8	14.8	13.7	12.6	11.5	10.3
17.5°	23.7	22.6	21.6	20.5	19.5	18.4	17.3	16.1	14.9	13.6	12.2
20°	26.9	25.7	24.5	23.3	22.1	20.8	19.6	18.4	17.1	15.6	14.1
22.5°	29.8	28.6	27.2	25.9	24.6	23.2	21.9	20.5	19.1	17.6	16.0
25°	32.2	31.0	29.8	28.4	27.4	26.3	25.2	24.0	22.7	21.4	19.8
27.5°	35.2	34.3	33.6	32.8	31.8	30.6	29.5	28.3	27.0	25.6	24.0
30°	40.1	38.7	37.6	36.9	36.1	34.9	33.6	32.4	31.3	29.7	28.1
32.5°	44.8	43.2	41.8	40.7	40.0	39.0	37.7	36.4	35.2	33.7	32.1
35°	49.7	47.6	45.9	44.6	43.7	43.0	41.7	40.4	39.1	37.8	36.0
37.5°	54.5	52.1	49.9	48.5	47.3	46.6	45.6	44.2	42.9	41.7	39.9
40°	59.2	56.5	54.2	52.1	50.8	50.0	49.4	48.0	46.6	45.5	43.8
42.5°	63.8	60.9	58.2	55.9	54.3	53.2	52.7	51.7	50.1	49.1	47.7
45°	68.7	64.9	62.2	59.7	57.4	56.5	55.9	55.4	53.8	52.7	51.5
47.5°	73.5	69.3	65.9	63.4	61.0	60.2	60.7	61.4	61.2	60.6	59.4
50°	78.3	74.1	71.5	70.5	69.7	69.2	69.5	70.2	70.7	70.5	68.4
52.5°	86.2	83.5	81.2	79.8	79.0	78.3	78.5	79.0	79.8	80.8	77.6
55°	94.4	92.3	90.3	88.7	88.1	87.6	87.4	87.7	88.6	90.7	87.0
57.5°	101.8	100.3	99.0	97.6	97.1	96.7	96.4	96.5	97.2	100.1	96.6
60°	108.4	107.6	106.9	106.1	105.8	105.7	105.4	105.2	105.9	109.3	106.4
62.5°	114.6	114.3	114.3	114.3	114.3	114.5	114.5	114.2	114.7	118.3	116.4
65°	120.1	120.3	121.2	122.1	122.6	123.2	123.4	123.1	123.4	127.1	126.6
67.5°	124.9	125.9	127.6	129.4	130.7	131.7	132.2	132.1	132.2	135.7	136.9
70°	129.3	131.1	133.6	136.0	137.3	138.1	138.3	138.1	137.8	139.4	139.1
72.5°	133.3	133.9	135.8	138.0	140.0	141.1	141.6	142.1	142.4	142.4	140.3
75°	136.3	135.8	137.6	139.9	142.6	144.2	144.8	146.0	147.0	146.0	141.5
77.5°	139.4	137.8	139.4	141.8	145.0	147.3	148.0	149.7	151.7	149.9	142.6
80°	142.3	139.9	141.4	143.6	147.4	150.4	151.1	153.3	156.4	154.2	143.7
82.5°	145.3	142.1	143.3	145.4	149.7	153.4	154.1	156.8	161.1	158.6	145.5
85°	148.1	144.4	145.3	147.3	152.1	156.5	157.1	160.1	165.9	163.4	146.0
87.5°	150.9	146.7	147.4	149.1	154.5	159.6	160.2	163.7	170.6	167.7	146.6
90°	153.5	149.0	149.5	151.2	157.0	162.7	163.3	167.3	175.3	171.9	147.2
92.5°	150.9	146.7	147.4	149.1	154.5	159.6	160.2	163.7	170.6	167.7	146.6
95°	148.1	144.4	145.3	147.3	152.1	156.5	157.1	160.1	165.9	163.4	146.0
97.5°	145.3	142.1	143.3	145.4	149.7	153.4	154.1	156.8	161.1	158.6	145.5
100°	142.3	139.9	141.4	143.6	147.4	150.4	151.1	153.3	156.4	154.2	143.7
102.5°	139.4	137.8	139.4	141.8	145.0	147.3	148.0	149.7	151.7	149.9	142.6
105°	136.3	135.8	137.6	139.9	142.6	144.2	144.8	146.0	147.0	146.0	141.5
107.5°	133.3	133.9	135.8	138.0	140.0	141.1	141.6	142.1	142.4	142.4	140.3
110°	129.3	131.1	133.6	136.0	137.3	138.1	138.3	138.1	137.8	139.4	139.1



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	124.9	125.9	127.6	129.4	130.7	131.7	132.2	132.1	132.2	135.7	136.9
115°	120.1	120.3	121.2	122.1	122.6	123.2	123.4	123.1	123.4	127.1	126.6
117.5°	114.6	114.3	114.3	114.3	114.3	114.5	114.5	114.2	114.7	118.3	116.4
120°	108.4	107.6	106.9	106.1	105.8	105.7	105.4	105.2	105.9	109.3	106.4
122.5°	101.8	100.3	99.0	97.6	97.1	96.7	96.4	96.5	97.2	100.1	96.6
125°	94.4	92.3	90.3	88.7	88.1	87.6	87.4	87.7	88.6	90.7	87.0
127.5°	86.2	83.5	81.2	79.8	79.0	78.3	78.5	79.0	79.8	80.8	77.6
130°	78.3	74.1	71.5	70.5	69.7	69.2	69.5	70.2	70.7	70.5	68.4
132.5°	73.5	69.3	65.9	63.4	61.0	60.2	60.7	61.4	61.2	60.6	59.4
135°	68.7	64.9	62.2	59.7	57.4	56.5	55.9	55.4	53.8	52.7	51.5
137.5°	63.8	60.9	58.2	55.9	54.3	53.2	52.7	51.7	50.1	49.1	47.7
140°	59.2	56.5	54.2	52.1	50.8	50.0	49.4	48.0	46.6	45.5	43.8
142.5°	54.5	52.1	49.9	48.5	47.3	46.6	45.6	44.2	42.9	41.7	39.9
145°	49.7	47.6	45.9	44.6	43.7	43.0	41.7	40.4	39.1	37.8	36.0
147.5°	44.8	43.2	41.8	40.7	40.0	39.0	37.7	36.4	35.2	33.7	32.1
150°	40.1	38.7	37.6	36.9	36.1	34.9	33.6	32.4	31.3	29.7	28.1
152.5°	35.2	34.3	33.6	32.8	31.8	30.6	29.5	28.3	27.0	25.6	24.0
155°	32.2	31.0	29.8	28.4	27.4	26.3	25.2	24.0	22.7	21.4	19.8
157.5°	29.8	28.6	27.2	25.9	24.6	23.2	21.9	20.5	19.1	17.6	16.0
160°	26.9	25.7	24.5	23.3	22.1	20.8	19.6	18.4	17.1	15.6	14.1
162.5°	23.7	22.6	21.6	20.5	19.5	18.4	17.3	16.1	14.9	13.6	12.2
165°	20.3	19.5	18.7	17.7	16.8	15.8	14.8	13.7	12.6	11.5	10.3
167.5°	17.0	16.2	15.5	14.7	13.9	13.1	12.2	11.3	10.3	9.4	8.6
170°	13.5	12.9	12.3	11.6	10.9	10.2	9.5	8.7	8.0	7.4	6.9
172.5°	9.8	9.4	8.9	8.4	7.8	7.3	6.7	6.3	6.0	5.6	5.1
175°	6.0	5.7	5.4	5.2	4.9	4.7	4.5	4.2	4.0	3.7	3.4
177.5°	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9	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: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	1.6	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	3.2	2.9	2.6	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
7.5°	4.7	4.3	3.9	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
10°	6.3	5.7	5.2	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4
12.5°	7.9	7.2	6.5	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.5
15°	9.4	8.6	7.7	6.9	6.9	6.8	6.8	6.8	6.7	6.6	6.6
17.5°	11.0	10.0	9.0	8.0	8.0	8.0	7.9	7.9	7.8	7.8	7.7
20°	12.6	11.4	10.3	9.2	9.1	9.1	9.1	9.0	9.0	8.9	8.8
22.5°	14.3	12.9	11.6	10.3	10.3	10.3	10.2	10.2	10.1	10.0	9.9
25°	18.1	16.6	15.3	14.0	14.0	14.0	13.9	13.8	13.5	13.1	12.6
27.5°	22.1	20.4	19.1	17.7	17.8	17.9	17.9	17.8	17.4	16.9	16.2
30°	26.1	24.1	22.8	21.4	21.6	21.8	21.9	21.9	21.3	20.7	19.6
32.5°	30.1	27.9	26.5	25.1	25.4	25.8	26.0	25.9	25.1	24.1	22.7
35°	34.0	31.7	30.1	28.7	29.3	29.7	30.1	29.8	28.9	27.3	25.5
37.5°	37.9	35.5	33.8	32.4	33.1	33.7	34.2	33.6	32.6	30.4	28.0
40°	41.8	39.3	37.5	36.1	37.0	37.7	38.4	37.4	35.8	33.2	30.2
42.5°	45.6	43.1	41.1	39.8	40.9	41.8	42.5	41.2	38.9	36.0	32.2
45°	49.4	46.8	44.7	43.5	44.7	45.8	46.4	44.9	41.9	38.1	33.9
47.5°	56.5	52.8	49.4	46.9	47.3	47.7	47.6	45.9	42.6	38.8	34.7
50°	64.2	59.1	54.1	50.4	49.7	49.3	48.4	46.1	42.4	38.5	34.7
52.5°	72.2	65.6	59.0	53.8	52.0	50.9	49.0	46.1	42.3	38.4	34.9
55°	80.4	72.2	63.9	57.3	54.3	52.3	49.7	46.2	42.2	38.4	35.3
57.5°	88.8	79.0	68.8	60.7	56.5	53.6	50.2	46.2	42.2	38.6	35.9
60°	97.4	86.0	73.9	64.2	58.7	54.9	50.7	46.3	42.4	39.1	36.8
62.5°	106.2	93.0	79.0	67.6	60.8	56.1	51.2	46.5	42.6	39.8	38.1
65°	115.1	100.1	84.1	71.1	62.9	57.2	51.6	46.6	43.0	40.6	39.6
67.5°	124.1	107.3	89.2	74.5	65.0	58.3	51.9	46.8	43.4	41.5	41.2
70°	124.9	107.2	88.8	74.1	64.4	57.8	51.4	46.4	43.1	41.5	41.6
72.5°	125.0	106.8	88.3	73.7	63.9	57.2	50.9	45.9	42.6	41.1	41.4
75°	125.0	106.2	88.2	73.3	63.4	56.6	50.5	45.4	42.2	40.8	41.0
77.5°	125.0	105.6	87.4	72.9	62.9	56.1	50.1	45.0	41.8	40.4	40.6
80°	124.8	105.5	86.7	72.6	62.4	55.6	49.7	44.6	41.4	40.1	40.2
82.5°	125.1	104.5	85.9	72.2	62.0	55.2	49.4	44.3	41.0	39.8	39.8
85°	124.5	103.5	85.1	71.8	61.5	54.7	49.1	44.0	40.7	39.5	39.3
87.5°	123.8	102.4	84.4	71.4	61.1	54.3	48.9	43.7	40.4	39.3	38.9
90°	123.2	101.4	83.6	71.0	60.7	53.9	48.7	43.5	40.1	39.0	38.4
92.5°	123.8	102.4	84.4	71.4	61.1	54.3	48.9	43.7	40.4	39.3	38.9
95°	124.5	103.5	85.1	71.8	61.5	54.7	49.1	44.0	40.7	39.5	39.3
97.5°	125.1	104.5	85.9	72.2	62.0	55.2	49.4	44.3	41.0	39.8	39.8
100°	124.8	105.5	86.7	72.6	62.4	55.6	49.7	44.6	41.4	40.1	40.2
102.5°	125.0	105.6	87.4	72.9	62.9	56.1	50.1	45.0	41.8	40.4	40.6
105°	125.0	106.2	88.2	73.3	63.4	56.6	50.5	45.4	42.2	40.8	41.0
107.5°	125.0	106.8	88.3	73.7	63.9	57.2	50.9	45.9	42.6	41.1	41.4
110°	124.9	107.2	88.8	74.1	64.4	57.8	51.4	46.4	43.1	41.5	41.6



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	124.1	107.3	89.2	74.5	65.0	58.3	51.9	46.8	43.4	41.5	41.2
115°	115.1	100.1	84.1	71.1	62.9	57.2	51.6	46.6	43.0	40.6	39.6
117.5°	106.2	93.0	79.0	67.6	60.8	56.1	51.2	46.5	42.6	39.8	38.1
120°	97.4	86.0	73.9	64.2	58.7	54.9	50.7	46.3	42.4	39.1	36.8
122.5°	88.8	79.0	68.8	60.7	56.5	53.6	50.2	46.2	42.2	38.6	35.9
125°	80.4	72.2	63.9	57.3	54.3	52.3	49.7	46.2	42.2	38.4	35.3
127.5°	72.2	65.6	59.0	53.8	52.0	50.9	49.0	46.1	42.3	38.4	34.9
130°	64.2	59.1	54.1	50.4	49.7	49.3	48.4	46.1	42.4	38.5	34.7
132.5°	56.5	52.8	49.4	46.9	47.3	47.7	47.6	45.9	42.6	38.8	34.7
135°	49.4	46.8	44.7	43.5	44.7	45.8	46.4	44.9	41.9	38.1	33.9
137.5°	45.6	43.1	41.1	39.8	40.9	41.8	42.5	41.2	38.9	36.0	32.2
140°	41.8	39.3	37.5	36.1	37.0	37.7	38.4	37.4	35.8	33.2	30.2
142.5°	37.9	35.5	33.8	32.4	33.1	33.7	34.2	33.6	32.6	30.4	28.0
145°	34.0	31.7	30.1	28.7	29.3	29.7	30.1	29.8	28.9	27.3	25.5
147.5°	30.1	27.9	26.5	25.1	25.4	25.8	26.0	25.9	25.1	24.1	22.7
150°	26.1	24.1	22.8	21.4	21.6	21.8	21.9	21.9	21.3	20.7	19.6
152.5°	22.1	20.4	19.1	17.7	17.8	17.9	17.9	17.8	17.4	16.9	16.2
155°	18.1	16.6	15.3	14.0	14.0	14.0	13.9	13.8	13.5	13.1	12.6
157.5°	14.3	12.9	11.6	10.3	10.3	10.3	10.2	10.2	10.1	10.0	9.9
160°	12.6	11.4	10.3	9.2	9.1	9.1	9.1	9.0	9.0	8.9	8.8
162.5°	11.0	10.0	9.0	8.0	8.0	8.0	7.9	7.9	7.8	7.8	7.7
165°	9.4	8.6	7.7	6.9	6.9	6.8	6.8	6.8	6.7	6.6	6.6
167.5°	7.9	7.2	6.5	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.5
170°	6.3	5.7	5.2	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4
172.5°	4.7	4.3	3.9	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
175°	3.2	2.9	2.6	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
177.5°	1.6	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.6
7.5°	3.2	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4
10°	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3
12.5°	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.4	4.2	4.1
15°	6.5	6.4	6.2	6.1	6.0	5.8	5.7	5.5	5.3	5.1	4.9
17.5°	7.6	7.4	7.3	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8
20°	8.6	8.5	8.4	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6
22.5°	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.3	8.1	7.8	7.4
25°	12.0	11.4	10.8	10.3	10.1	9.8	9.6	9.3	8.8	8.4	7.9
27.5°	15.4	14.5	13.7	12.8	12.1	11.4	10.7	10.0	9.4	9.1	8.7
30°	18.5	17.2	16.1	15.0	14.0	13.1	12.1	11.2	10.6	10.0	9.4
32.5°	21.1	19.5	18.1	16.7	15.5	14.3	13.3	12.5	11.7	10.9	10.1
35°	23.5	21.5	19.8	18.1	16.7	15.5	14.4	13.4	12.4	11.6	11.0
37.5°	25.5	23.2	21.1	19.4	17.8	16.4	15.1	14.0	13.1	12.4	11.6
40°	27.2	24.6	22.3	20.4	18.7	17.1	15.8	14.7	13.8	12.9	12.1
42.5°	28.8	25.7	23.5	21.3	19.3	17.7	16.4	15.3	14.4	13.4	12.6
45°	30.1	27.0	24.4	22.0	19.9	18.3	17.0	15.9	14.9	14.0	13.1
47.5°	31.0	28.1	25.3	22.5	20.5	18.9	17.5	16.5	15.4	14.4	13.6
50°	31.2	28.9	26.3	23.8	21.6	19.5	18.1	17.0	15.9	15.0	14.2
52.5°	32.1	30.0	27.8	25.8	23.9	22.0	20.1	18.1	16.4	15.6	14.8
55°	33.1	31.5	29.7	28.1	26.4	24.4	22.4	20.3	18.6	17.0	15.6
57.5°	34.5	33.2	32.0	30.7	29.1	26.9	24.6	22.5	20.5	18.7	17.1
60°	36.0	35.3	34.5	33.4	31.6	29.2	26.8	24.5	22.2	20.1	18.2
62.5°	37.8	37.6	37.2	36.2	34.1	31.5	28.9	26.3	23.7	21.4	19.1
65°	39.8	40.1	40.1	39.2	36.6	33.8	30.9	27.9	25.0	22.4	19.8
67.5°	42.0	42.8	43.0	42.1	39.1	36.0	32.8	29.4	26.2	23.2	20.5
70°	43.0	44.5	45.3	44.5	41.5	38.2	34.6	30.7	27.3	24.0	21.2
72.5°	42.7	44.3	45.1	44.3	41.9	39.1	35.6	31.8	28.2	24.7	21.8
75°	42.4	44.1	45.1	44.3	42.3	39.6	36.2	32.5	29.0	25.5	22.5
77.5°	42.1	44.0	45.1	44.5	42.9	40.3	36.8	33.3	29.8	26.3	23.2
80°	41.8	43.8	45.1	44.8	43.7	41.1	37.7	34.3	30.8	27.1	24.0
82.5°	41.4	43.6	45.2	45.3	44.5	42.0	38.7	35.4	31.9	28.0	24.9
85°	41.0	43.5	45.2	45.8	45.5	43.0	39.8	36.7	33.2	29.1	25.9
87.5°	40.6	43.3	45.3	46.4	46.5	44.1	41.0	38.0	34.6	30.2	26.9
90°	40.1	43.0	45.3	47.0	47.5	45.3	42.4	39.5	36.1	31.5	28.1
92.5°	40.6	43.3	45.3	46.4	46.5	44.1	41.0	38.0	34.6	30.2	26.9
95°	41.0	43.5	45.2	45.8	45.5	43.0	39.8	36.7	33.2	29.1	25.9
97.5°	41.4	43.6	45.2	45.3	44.5	42.0	38.7	35.4	31.9	28.0	24.9
100°	41.8	43.8	45.1	44.8	43.7	41.1	37.7	34.3	30.8	27.1	24.0
102.5°	42.1	44.0	45.1	44.5	42.9	40.3	36.8	33.3	29.8	26.3	23.2
105°	42.4	44.1	45.1	44.3	42.3	39.6	36.2	32.5	29.0	25.5	22.5
107.5°	42.7	44.3	45.1	44.3	41.9	39.1	35.6	31.8	28.2	24.7	21.8
110°	43.0	44.5	45.3	44.5	41.5	38.2	34.6	30.7	27.3	24.0	21.2



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	42.0	42.8	43.0	42.1	39.1	36.0	32.8	29.4	26.2	23.2	20.5
115°	39.8	40.1	40.1	39.2	36.6	33.8	30.9	27.9	25.0	22.4	19.8
117.5°	37.8	37.6	37.2	36.2	34.1	31.5	28.9	26.3	23.7	21.4	19.1
120°	36.0	35.3	34.5	33.4	31.6	29.2	26.8	24.5	22.2	20.1	18.2
122.5°	34.5	33.2	32.0	30.7	29.1	26.9	24.6	22.5	20.5	18.7	17.1
125°	33.1	31.5	29.7	28.1	26.4	24.4	22.4	20.3	18.6	17.0	15.6
127.5°	32.1	30.0	27.8	25.8	23.9	22.0	20.1	18.1	16.4	15.6	14.8
130°	31.2	28.9	26.3	23.8	21.6	19.5	18.1	17.0	15.9	15.0	14.2
132.5°	31.0	28.1	25.3	22.5	20.5	18.9	17.5	16.5	15.4	14.4	13.6
135°	30.1	27.0	24.4	22.0	19.9	18.3	17.0	15.9	14.9	14.0	13.1
137.5°	28.8	25.7	23.5	21.3	19.3	17.7	16.4	15.3	14.4	13.4	12.6
140°	27.2	24.6	22.3	20.4	18.7	17.1	15.8	14.7	13.8	12.9	12.1
142.5°	25.5	23.2	21.1	19.4	17.8	16.4	15.1	14.0	13.1	12.4	11.6
145°	23.5	21.5	19.8	18.1	16.7	15.5	14.4	13.4	12.4	11.6	11.0
147.5°	21.1	19.5	18.1	16.7	15.5	14.3	13.3	12.5	11.7	10.9	10.1
150°	18.5	17.2	16.1	15.0	14.0	13.1	12.1	11.2	10.6	10.0	9.4
152.5°	15.4	14.5	13.7	12.8	12.1	11.4	10.7	10.0	9.4	9.1	8.7
155°	12.0	11.4	10.8	10.3	10.1	9.8	9.6	9.3	8.8	8.4	7.9
157.5°	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.3	8.1	7.8	7.4
160°	8.6	8.5	8.4	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6
162.5°	7.6	7.4	7.3	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8
165°	6.5	6.4	6.2	6.1	6.0	5.8	5.7	5.5	5.3	5.1	4.9
167.5°	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.4	4.2	4.1
170°	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3
172.5°	3.2	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4
175°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.6
177.5°	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	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: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3
5°	1.5	1.5	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
7.5°	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.0
10°	3.1	3.0	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.4
12.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.7
15°	4.7	4.5	4.2	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
17.5°	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.4	3.1	2.7	2.4
20°	6.3	6.0	5.6	5.2	4.9	4.5	4.1	3.8	3.4	3.1	2.7
22.5°	6.9	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.8	3.4	3.0
25°	7.5	7.2	6.8	6.4	6.0	5.5	5.0	4.6	4.1	3.7	3.3
27.5°	8.4	7.9	7.3	6.8	6.4	6.0	5.5	5.1	4.6	4.1	3.5
30°	8.9	8.3	7.9	7.5	7.0	6.5	5.9	5.3	4.8	4.3	3.8
32.5°	9.6	9.1	8.6	8.0	7.3	6.8	6.3	5.8	5.2	4.7	4.0
35°	10.4	9.7	8.9	8.4	7.9	7.4	6.7	6.1	5.4	4.8	4.1
37.5°	10.8	10.1	9.6	9.0	8.4	7.6	6.9	6.2	5.5	4.9	4.3
40°	11.4	10.7	10.1	9.3	8.6	7.8	7.0	6.4	5.9	5.3	4.6
42.5°	11.9	11.2	10.4	9.6	8.8	8.1	7.5	6.9	6.2	5.4	4.7
45°	12.4	11.6	10.8	10.0	9.4	8.7	7.9	7.1	6.4	5.8	5.1
47.5°	12.9	12.1	11.3	10.6	9.7	8.8	8.2	7.5	6.8	6.0	5.1
50°	13.4	12.6	11.9	10.9	9.9	9.3	8.6	7.7	6.9	6.2	5.5
52.5°	14.0	13.2	12.1	11.1	10.5	9.6	8.8	8.0	7.3	6.7	6.0
55°	14.6	13.5	12.4	11.7	10.8	9.9	9.0	8.3	7.7	7.0	6.1
57.5°	15.4	13.8	12.9	12.1	11.1	10.1	9.4	8.9	7.9	6.9	6.1
60°	16.2	14.8	13.6	12.5	11.3	10.6	10.0	8.8	7.8	6.9	6.0
62.5°	17.0	15.5	14.2	12.7	11.7	11.1	9.9	8.9	8.0	6.9	5.8
65°	17.8	16.1	14.5	13.0	12.2	11.0	10.0	9.0	7.9	6.7	5.6
67.5°	18.4	16.7	14.8	13.4	12.1	10.9	9.9	8.9	7.7	6.5	5.4
70°	19.0	17.0	15.0	13.5	12.0	10.7	9.6	8.5	7.4	6.3	5.2
72.5°	19.5	17.3	15.2	13.5	11.8	10.4	9.2	7.9	6.9	5.9	4.9
75°	20.0	17.6	15.3	13.5	11.5	10.2	8.8	7.6	6.5	5.5	4.4
77.5°	20.5	17.9	15.5	13.4	11.3	10.0	8.4	7.3	6.2	5.1	4.1
80°	21.1	18.2	15.7	13.3	11.2	9.7	8.2	7.1	6.0	4.8	3.8
82.5°	21.7	18.6	15.9	13.2	11.1	9.2	7.8	6.6	5.6	4.6	3.5
85°	22.4	19.2	16.2	13.2	10.9	8.9	7.4	6.2	5.2	4.2	3.3
87.5°	23.2	19.8	16.7	13.4	10.9	8.7	7.1	5.9	4.8	4.0	3.3
90°	24.1	20.6	17.2	13.7	10.9	8.6	6.9	5.7	4.6	4.0	3.4
92.5°	23.2	19.8	16.7	13.4	10.9	8.7	7.1	5.9	4.8	4.0	3.3
95°	22.4	19.2	16.2	13.2	10.9	8.9	7.4	6.2	5.2	4.2	3.3
97.5°	21.7	18.6	15.9	13.2	11.1	9.2	7.8	6.6	5.6	4.6	3.5
100°	21.1	18.2	15.7	13.3	11.2	9.7	8.2	7.1	6.0	4.8	3.8
102.5°	20.5	17.9	15.5	13.4	11.3	10.0	8.4	7.3	6.2	5.1	4.1
105°	20.0	17.6	15.3	13.5	11.5	10.2	8.8	7.6	6.5	5.5	4.4
107.5°	19.5	17.3	15.2	13.5	11.8	10.4	9.2	7.9	6.9	5.9	4.9
110°	19.0	17.0	15.0	13.5	12.0	10.7	9.6	8.5	7.4	6.3	5.2



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	18.4	16.7	14.8	13.4	12.1	10.9	9.9	8.9	7.7	6.5	5.4
115°	17.8	16.1	14.5	13.0	12.2	11.0	10.0	9.0	7.9	6.7	5.6
117.5°	17.0	15.5	14.2	12.7	11.7	11.1	9.9	8.9	8.0	6.9	5.8
120°	16.2	14.8	13.6	12.5	11.3	10.6	10.0	8.8	7.8	6.9	6.0
122.5°	15.4	13.8	12.9	12.1	11.1	10.1	9.4	8.9	7.9	6.9	6.1
125°	14.6	13.5	12.4	11.7	10.8	9.9	9.0	8.3	7.7	7.0	6.1
127.5°	14.0	13.2	12.1	11.1	10.5	9.6	8.8	8.0	7.3	6.7	6.0
130°	13.4	12.6	11.9	10.9	9.9	9.3	8.6	7.7	6.9	6.2	5.5
132.5°	12.9	12.1	11.3	10.6	9.7	8.8	8.2	7.5	6.8	6.0	5.1
135°	12.4	11.6	10.8	10.0	9.4	8.7	7.9	7.1	6.4	5.8	5.1
137.5°	11.9	11.2	10.4	9.6	8.8	8.1	7.5	6.9	6.2	5.4	4.7
140°	11.4	10.7	10.1	9.3	8.6	7.8	7.0	6.4	5.9	5.3	4.6
142.5°	10.8	10.1	9.6	9.0	8.4	7.6	6.9	6.2	5.5	4.9	4.3
145°	10.4	9.7	8.9	8.4	7.9	7.4	6.7	6.1	5.4	4.8	4.1
147.5°	9.6	9.1	8.6	8.0	7.3	6.8	6.3	5.8	5.2	4.7	4.0
150°	8.9	8.3	7.9	7.5	7.0	6.5	5.9	5.3	4.8	4.3	3.8
152.5°	8.4	7.9	7.3	6.8	6.4	6.0	5.5	5.1	4.6	4.1	3.5
155°	7.5	7.2	6.8	6.4	6.0	5.5	5.0	4.6	4.1	3.7	3.3
157.5°	6.9	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.8	3.4	3.0
160°	6.3	6.0	5.6	5.2	4.9	4.5	4.1	3.8	3.4	3.1	2.7
162.5°	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.4	3.1	2.7	2.4
165°	4.7	4.5	4.2	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
167.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.7
170°	3.1	3.0	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.4
172.5°	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.0
175°	1.5	1.5	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
177.5°	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	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: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
7.5°	0.9	0.7	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
10°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
12.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.0
15°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
17.5°	2.0	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
20°	2.3	1.9	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
22.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.4	0.8	1.3	1.7
25°	2.8	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
27.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
30°	3.2	2.7	2.2	1.6	1.1	0.6	0.0	0.6	1.1	1.6	2.2
32.5°	3.5	2.9	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
35°	3.5	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
37.5°	3.7	3.1	2.5	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.5
40°	3.9	3.3	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
42.5°	4.1	3.4	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
45°	4.4	3.6	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
47.5°	4.4	3.7	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
50°	4.8	4.0	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
52.5°	5.2	4.3	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
55°	5.2	4.3	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
57.5°	5.2	4.3	3.3	2.5	1.6	0.8	0.0	0.8	1.6	2.5	3.3
60°	5.1	4.2	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
62.5°	4.9	4.0	3.1	2.3	1.5	0.7	0.0	0.7	1.5	2.3	3.1
65°	4.7	3.8	3.0	2.2	1.4	0.7	0.0	0.7	1.4	2.2	3.0
67.5°	4.4	3.6	2.8	2.0	1.3	0.6	0.0	0.6	1.3	2.0	2.8
70°	4.2	3.2	2.5	1.8	1.1	0.5	0.0	0.5	1.1	1.8	2.5
72.5°	3.7	2.9	2.2	1.5	0.9	0.4	0.0	0.4	0.9	1.5	2.2
75°	3.6	2.7	1.8	1.3	0.9	0.5	0.0	0.5	0.9	1.3	1.8
77.5°	3.3	2.3	1.7	1.1	0.4	0.1	0.0	0.1	0.4	1.1	1.7
80°	2.8	2.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
82.5°	2.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.8	2.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
102.5°	3.3	2.3	1.7	1.1	0.4	0.1	0.0	0.1	0.4	1.1	1.7
105°	3.6	2.7	1.8	1.3	0.9	0.5	0.0	0.5	0.9	1.3	1.8
107.5°	3.7	2.9	2.2	1.5	0.9	0.4	0.0	0.4	0.9	1.5	2.2
110°	4.2	3.2	2.5	1.8	1.1	0.5	0.0	0.5	1.1	1.8	2.5



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	4.4	3.6	2.8	2.0	1.3	0.6	0.0	0.6	1.3	2.0	2.8
115°	4.7	3.8	3.0	2.2	1.4	0.7	0.0	0.7	1.4	2.2	3.0
117.5°	4.9	4.0	3.1	2.3	1.5	0.7	0.0	0.7	1.5	2.3	3.1
120°	5.1	4.2	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
122.5°	5.2	4.3	3.3	2.5	1.6	0.8	0.0	0.8	1.6	2.5	3.3
125°	5.2	4.3	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
127.5°	5.2	4.3	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
130°	4.8	4.0	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
132.5°	4.4	3.7	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
135°	4.4	3.6	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
137.5°	4.1	3.4	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
140°	3.9	3.3	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
142.5°	3.7	3.1	2.5	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.5
145°	3.5	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
147.5°	3.5	2.9	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
150°	3.2	2.7	2.2	1.6	1.1	0.6	0.0	0.6	1.1	1.6	2.2
152.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
155°	2.8	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
157.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.4	0.8	1.3	1.7
160°	2.3	1.9	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
162.5°	2.0	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
165°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
167.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.0
170°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
172.5°	0.9	0.7	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
175°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
177.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
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: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7
5°	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.4
7.5°	0.7	0.9	1.0	1.2	1.3	1.5	1.6	1.7	1.9	2.0	2.1
10°	1.0	1.2	1.4	1.6	1.8	2.0	2.1	2.3	2.5	2.6	2.8
12.5°	1.3	1.5	1.7	2.0	2.2	2.5	2.7	2.9	3.1	3.3	3.5
15°	1.5	1.8	2.1	2.4	2.7	3.0	3.2	3.5	3.8	4.0	4.2
17.5°	1.7	2.0	2.4	2.7	3.1	3.4	3.8	4.1	4.4	4.7	5.0
20°	1.9	2.3	2.7	3.1	3.4	3.8	4.1	4.5	4.9	5.2	5.6
22.5°	2.1	2.5	3.0	3.4	3.8	4.3	4.7	5.0	5.4	5.8	6.1
25°	2.4	2.8	3.3	3.7	4.1	4.6	5.0	5.5	6.0	6.4	6.8
27.5°	2.5	3.0	3.5	4.1	4.6	5.1	5.5	6.0	6.4	6.8	7.3
30°	2.7	3.2	3.8	4.3	4.8	5.3	5.9	6.5	7.0	7.5	7.9
32.5°	2.9	3.5	4.0	4.7	5.2	5.8	6.3	6.8	7.3	8.0	8.6
35°	2.9	3.5	4.1	4.8	5.4	6.1	6.7	7.4	7.9	8.4	8.9
37.5°	3.1	3.7	4.3	4.9	5.5	6.2	6.9	7.6	8.4	9.0	9.6
40°	3.3	3.9	4.6	5.3	5.9	6.4	7.0	7.8	8.6	9.3	10.1
42.5°	3.4	4.1	4.7	5.4	6.2	6.9	7.5	8.1	8.8	9.6	10.4
45°	3.6	4.4	5.1	5.8	6.4	7.1	7.9	8.7	9.4	10.0	10.8
47.5°	3.7	4.4	5.1	6.0	6.8	7.5	8.2	8.8	9.7	10.6	11.3
50°	4.0	4.8	5.5	6.2	6.9	7.7	8.6	9.3	9.9	10.9	11.9
52.5°	4.3	5.2	6.0	6.7	7.3	8.0	8.8	9.6	10.5	11.1	12.1
55°	4.3	5.2	6.1	7.0	7.7	8.3	9.0	9.9	10.8	11.7	12.4
57.5°	4.3	5.2	6.1	6.9	7.9	8.9	9.4	10.1	11.1	12.1	12.9
60°	4.2	5.1	6.0	6.9	7.8	8.8	10.0	10.6	11.3	12.5	13.6
62.5°	4.0	4.9	5.8	6.9	8.0	8.9	9.9	11.1	11.7	12.7	14.2
65°	3.8	4.7	5.6	6.7	7.9	9.0	10.0	11.0	12.2	13.0	14.5
67.5°	3.6	4.4	5.4	6.5	7.7	8.9	9.9	10.9	12.1	13.4	14.8
70°	3.2	4.2	5.2	6.3	7.4	8.5	9.6	10.7	12.0	13.5	15.0
72.5°	2.9	3.7	4.9	5.9	6.9	7.9	9.2	10.4	11.8	13.5	15.2
75°	2.7	3.6	4.4	5.5	6.5	7.6	8.8	10.2	11.5	13.5	15.3
77.5°	2.3	3.3	4.1	5.1	6.2	7.3	8.4	10.0	11.3	13.4	15.5
80°	2.0	2.8	3.8	4.8	6.0	7.1	8.2	9.7	11.2	13.3	15.7
82.5°	1.4	2.4	3.5	4.6	5.6	6.6	7.8	9.2	11.1	13.2	15.9
85°	0.6	2.2	3.3	4.2	5.2	6.2	7.4	8.9	10.9	13.2	16.2
87.5°	0.2	2.1	3.3	4.0	4.8	5.9	7.1	8.7	10.9	13.4	16.7
90°	0.0	2.3	3.4	4.0	4.6	5.7	6.9	8.6	10.9	13.7	17.2
92.5°	0.2	2.1	3.3	4.0	4.8	5.9	7.1	8.7	10.9	13.4	16.7
95°	0.6	2.2	3.3	4.2	5.2	6.2	7.4	8.9	10.9	13.2	16.2
97.5°	1.4	2.4	3.5	4.6	5.6	6.6	7.8	9.2	11.1	13.2	15.9
100°	2.0	2.8	3.8	4.8	6.0	7.1	8.2	9.7	11.2	13.3	15.7
102.5°	2.3	3.3	4.1	5.1	6.2	7.3	8.4	10.0	11.3	13.4	15.5
105°	2.7	3.6	4.4	5.5	6.5	7.6	8.8	10.2	11.5	13.5	15.3
107.5°	2.9	3.7	4.9	5.9	6.9	7.9	9.2	10.4	11.8	13.5	15.2
110°	3.2	4.2	5.2	6.3	7.4	8.5	9.6	10.7	12.0	13.5	15.0



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	3.6	4.4	5.4	6.5	7.7	8.9	9.9	10.9	12.1	13.4	14.8
115°	3.8	4.7	5.6	6.7	7.9	9.0	10.0	11.0	12.2	13.0	14.5
117.5°	4.0	4.9	5.8	6.9	8.0	8.9	9.9	11.1	11.7	12.7	14.2
120°	4.2	5.1	6.0	6.9	7.8	8.8	10.0	10.6	11.3	12.5	13.6
122.5°	4.3	5.2	6.1	6.9	7.9	8.9	9.4	10.1	11.1	12.1	12.9
125°	4.3	5.2	6.1	7.0	7.7	8.3	9.0	9.9	10.8	11.7	12.4
127.5°	4.3	5.2	6.0	6.7	7.3	8.0	8.8	9.6	10.5	11.1	12.1
130°	4.0	4.8	5.5	6.2	6.9	7.7	8.6	9.3	9.9	10.9	11.9
132.5°	3.7	4.4	5.1	6.0	6.8	7.5	8.2	8.8	9.7	10.6	11.3
135°	3.6	4.4	5.1	5.8	6.4	7.1	7.9	8.7	9.4	10.0	10.8
137.5°	3.4	4.1	4.7	5.4	6.2	6.9	7.5	8.1	8.8	9.6	10.4
140°	3.3	3.9	4.6	5.3	5.9	6.4	7.0	7.8	8.6	9.3	10.1
142.5°	3.1	3.7	4.3	4.9	5.5	6.2	6.9	7.6	8.4	9.0	9.6
145°	2.9	3.5	4.1	4.8	5.4	6.1	6.7	7.4	7.9	8.4	8.9
147.5°	2.9	3.5	4.0	4.7	5.2	5.8	6.3	6.8	7.3	8.0	8.6
150°	2.7	3.2	3.8	4.3	4.8	5.3	5.9	6.5	7.0	7.5	7.9
152.5°	2.5	3.0	3.5	4.1	4.6	5.1	5.5	6.0	6.4	6.8	7.3
155°	2.4	2.8	3.3	3.7	4.1	4.6	5.0	5.5	6.0	6.4	6.8
157.5°	2.1	2.5	3.0	3.4	3.8	4.3	4.7	5.0	5.4	5.8	6.1
160°	1.9	2.3	2.7	3.1	3.4	3.8	4.1	4.5	4.9	5.2	5.6
162.5°	1.7	2.0	2.4	2.7	3.1	3.4	3.8	4.1	4.4	4.7	5.0
165°	1.5	1.8	2.1	2.4	2.7	3.0	3.2	3.5	3.8	4.0	4.2
167.5°	1.3	1.5	1.7	2.0	2.2	2.5	2.7	2.9	3.1	3.3	3.5
170°	1.0	1.2	1.4	1.6	1.8	2.0	2.1	2.3	2.5	2.6	2.8
172.5°	0.7	0.9	1.0	1.2	1.3	1.5	1.6	1.7	1.9	2.0	2.1
175°	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.4
177.5°	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7
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: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0
5°	1.5	1.5	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1
7.5°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1
10°	3.0	3.1	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.2
12.5°	3.7	3.9	4.1	4.2	4.4	4.6	4.7	4.8	5.0	5.1	5.2
15°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.2
17.5°	5.2	5.5	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.3
20°	6.0	6.3	6.6	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4
22.5°	6.5	6.9	7.4	7.8	8.1	8.3	8.6	8.8	9.0	9.2	9.4
25°	7.2	7.5	7.9	8.4	8.8	9.3	9.6	9.8	10.1	10.3	10.8
27.5°	7.9	8.4	8.7	9.1	9.4	10.0	10.7	11.4	12.1	12.8	13.7
30°	8.3	8.9	9.4	10.0	10.6	11.2	12.1	13.1	14.0	15.0	16.1
32.5°	9.1	9.6	10.1	10.9	11.7	12.5	13.3	14.3	15.5	16.7	18.1
35°	9.7	10.4	11.0	11.6	12.4	13.4	14.4	15.5	16.7	18.1	19.8
37.5°	10.1	10.8	11.6	12.4	13.1	14.0	15.1	16.4	17.8	19.4	21.1
40°	10.7	11.4	12.1	12.9	13.8	14.7	15.8	17.1	18.7	20.4	22.3
42.5°	11.2	11.9	12.6	13.4	14.4	15.3	16.4	17.7	19.3	21.3	23.5
45°	11.6	12.4	13.1	14.0	14.9	15.9	17.0	18.3	19.9	22.0	24.4
47.5°	12.1	12.9	13.6	14.4	15.4	16.5	17.5	18.9	20.5	22.5	25.3
50°	12.6	13.4	14.2	15.0	15.9	17.0	18.1	19.5	21.6	23.8	26.3
52.5°	13.2	14.0	14.8	15.6	16.4	18.1	20.1	22.0	23.9	25.8	27.8
55°	13.5	14.6	15.6	17.0	18.6	20.3	22.4	24.4	26.4	28.1	29.7
57.5°	13.8	15.4	17.1	18.7	20.5	22.5	24.6	26.9	29.1	30.7	32.0
60°	14.8	16.2	18.2	20.1	22.2	24.5	26.8	29.2	31.6	33.4	34.5
62.5°	15.5	17.0	19.1	21.4	23.7	26.3	28.9	31.5	34.1	36.2	37.2
65°	16.1	17.8	19.8	22.4	25.0	27.9	30.9	33.8	36.6	39.2	40.1
67.5°	16.7	18.4	20.5	23.2	26.2	29.4	32.8	36.0	39.1	42.1	43.0
70°	17.0	19.0	21.2	24.0	27.3	30.7	34.6	38.2	41.5	44.5	45.3
72.5°	17.3	19.5	21.8	24.7	28.2	31.8	35.6	39.1	41.9	44.3	45.1
75°	17.6	20.0	22.5	25.5	29.0	32.5	36.2	39.6	42.3	44.3	45.1
77.5°	17.9	20.5	23.2	26.3	29.8	33.3	36.8	40.3	42.9	44.5	45.1
80°	18.2	21.1	24.0	27.1	30.8	34.3	37.7	41.1	43.7	44.8	45.1
82.5°	18.6	21.7	24.9	28.0	31.9	35.4	38.7	42.0	44.5	45.3	45.2
85°	19.2	22.4	25.9	29.1	33.2	36.7	39.8	43.0	45.5	45.8	45.2
87.5°	19.8	23.2	26.9	30.2	34.6	38.0	41.0	44.1	46.5	46.4	45.3
90°	20.6	24.1	28.1	31.5	36.1	39.5	42.4	45.3	47.5	47.0	45.3
92.5°	19.8	23.2	26.9	30.2	34.6	38.0	41.0	44.1	46.5	46.4	45.3
95°	19.2	22.4	25.9	29.1	33.2	36.7	39.8	43.0	45.5	45.8	45.2
97.5°	18.6	21.7	24.9	28.0	31.9	35.4	38.7	42.0	44.5	45.3	45.2
100°	18.2	21.1	24.0	27.1	30.8	34.3	37.7	41.1	43.7	44.8	45.1
102.5°	17.9	20.5	23.2	26.3	29.8	33.3	36.8	40.3	42.9	44.5	45.1
105°	17.6	20.0	22.5	25.5	29.0	32.5	36.2	39.6	42.3	44.3	45.1
107.5°	17.3	19.5	21.8	24.7	28.2	31.8	35.6	39.1	41.9	44.3	45.1
110°	17.0	19.0	21.2	24.0	27.3	30.7	34.6	38.2	41.5	44.5	45.3



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	16.7	18.4	20.5	23.2	26.2	29.4	32.8	36.0	39.1	42.1	43.0
115°	16.1	17.8	19.8	22.4	25.0	27.9	30.9	33.8	36.6	39.2	40.1
117.5°	15.5	17.0	19.1	21.4	23.7	26.3	28.9	31.5	34.1	36.2	37.2
120°	14.8	16.2	18.2	20.1	22.2	24.5	26.8	29.2	31.6	33.4	34.5
122.5°	13.8	15.4	17.1	18.7	20.5	22.5	24.6	26.9	29.1	30.7	32.0
125°	13.5	14.6	15.6	17.0	18.6	20.3	22.4	24.4	26.4	28.1	29.7
127.5°	13.2	14.0	14.8	15.6	16.4	18.1	20.1	22.0	23.9	25.8	27.8
130°	12.6	13.4	14.2	15.0	15.9	17.0	18.1	19.5	21.6	23.8	26.3
132.5°	12.1	12.9	13.6	14.4	15.4	16.5	17.5	18.9	20.5	22.5	25.3
135°	11.6	12.4	13.1	14.0	14.9	15.9	17.0	18.3	19.9	22.0	24.4
137.5°	11.2	11.9	12.6	13.4	14.4	15.3	16.4	17.7	19.3	21.3	23.5
140°	10.7	11.4	12.1	12.9	13.8	14.7	15.8	17.1	18.7	20.4	22.3
142.5°	10.1	10.8	11.6	12.4	13.1	14.0	15.1	16.4	17.8	19.4	21.1
145°	9.7	10.4	11.0	11.6	12.4	13.4	14.4	15.5	16.7	18.1	19.8
147.5°	9.1	9.6	10.1	10.9	11.7	12.5	13.3	14.3	15.5	16.7	18.1
150°	8.3	8.9	9.4	10.0	10.6	11.2	12.1	13.1	14.0	15.0	16.1
152.5°	7.9	8.4	8.7	9.1	9.4	10.0	10.7	11.4	12.1	12.8	13.7
155°	7.2	7.5	7.9	8.4	8.8	9.3	9.6	9.8	10.1	10.3	10.8
157.5°	6.5	6.9	7.4	7.8	8.1	8.3	8.6	8.8	9.0	9.2	9.4
160°	6.0	6.3	6.6	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4
162.5°	5.2	5.5	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.3
165°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.2
167.5°	3.7	3.9	4.1	4.2	4.4	4.6	4.7	4.8	5.0	5.1	5.2
170°	3.0	3.1	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.2
172.5°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1
175°	1.5	1.5	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1
177.5°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	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: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3
5°	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.6
7.5°	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.9
10°	4.2	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	5.2
12.5°	5.3	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.7	6.5
15°	6.4	6.5	6.6	6.6	6.7	6.8	6.8	6.8	6.9	6.9	7.7
17.5°	7.4	7.6	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.0	9.0
20°	8.5	8.6	8.8	8.9	9.0	9.0	9.1	9.1	9.1	9.2	10.3
22.5°	9.6	9.7	9.9	10.0	10.1	10.2	10.2	10.3	10.3	10.3	11.6
25°	11.4	12.0	12.6	13.1	13.5	13.8	13.9	14.0	14.0	14.0	15.3
27.5°	14.5	15.4	16.2	16.9	17.4	17.8	17.9	17.9	17.8	17.7	19.1
30°	17.2	18.5	19.6	20.7	21.3	21.9	21.9	21.8	21.6	21.4	22.8
32.5°	19.5	21.1	22.7	24.1	25.1	25.9	26.0	25.8	25.4	25.1	26.5
35°	21.5	23.5	25.5	27.3	28.9	29.8	30.1	29.7	29.3	28.7	30.1
37.5°	23.2	25.5	28.0	30.4	32.6	33.6	34.2	33.7	33.1	32.4	33.8
40°	24.6	27.2	30.2	33.2	35.8	37.4	38.4	37.7	37.0	36.1	37.5
42.5°	25.7	28.8	32.2	36.0	38.9	41.2	42.5	41.8	40.9	39.8	41.1
45°	27.0	30.1	33.9	38.1	41.9	44.9	46.4	45.8	44.7	43.5	44.7
47.5°	28.1	31.0	34.7	38.8	42.6	45.9	47.6	47.7	47.3	46.9	49.4
50°	28.9	31.2	34.7	38.5	42.4	46.1	48.4	49.3	49.7	50.4	54.1
52.5°	30.0	32.1	34.9	38.4	42.3	46.1	49.0	50.9	52.0	53.8	59.0
55°	31.5	33.1	35.3	38.4	42.2	46.2	49.7	52.3	54.3	57.3	63.9
57.5°	33.2	34.5	35.9	38.6	42.2	46.2	50.2	53.6	56.5	60.7	68.8
60°	35.3	36.0	36.8	39.1	42.4	46.3	50.7	54.9	58.7	64.2	73.9
62.5°	37.6	37.8	38.1	39.8	42.6	46.5	51.2	56.1	60.8	67.6	79.0
65°	40.1	39.8	39.6	40.6	43.0	46.6	51.6	57.2	62.9	71.1	84.1
67.5°	42.8	42.0	41.2	41.5	43.4	46.8	51.9	58.3	65.0	74.5	89.2
70°	44.5	43.0	41.6	41.5	43.1	46.4	51.4	57.8	64.4	74.1	88.8
72.5°	44.3	42.7	41.4	41.1	42.6	45.9	50.9	57.2	63.9	73.7	88.3
75°	44.1	42.4	41.0	40.8	42.2	45.4	50.5	56.6	63.4	73.3	88.2
77.5°	44.0	42.1	40.6	40.4	41.8	45.0	50.1	56.1	62.9	72.9	87.4
80°	43.8	41.8	40.2	40.1	41.4	44.6	49.7	55.6	62.4	72.6	86.7
82.5°	43.6	41.4	39.8	39.8	41.0	44.3	49.4	55.2	62.0	72.2	85.9
85°	43.5	41.0	39.3	39.5	40.7	44.0	49.1	54.7	61.5	71.8	85.1
87.5°	43.3	40.6	38.9	39.3	40.4	43.7	48.9	54.3	61.1	71.4	84.4
90°	43.0	40.1	38.4	39.0	40.1	43.5	48.7	53.9	60.7	71.0	83.6
92.5°	43.3	40.6	38.9	39.3	40.4	43.7	48.9	54.3	61.1	71.4	84.4
95°	43.5	41.0	39.3	39.5	40.7	44.0	49.1	54.7	61.5	71.8	85.1
97.5°	43.6	41.4	39.8	39.8	41.0	44.3	49.4	55.2	62.0	72.2	85.9
100°	43.8	41.8	40.2	40.1	41.4	44.6	49.7	55.6	62.4	72.6	86.7
102.5°	44.0	42.1	40.6	40.4	41.8	45.0	50.1	56.1	62.9	72.9	87.4
105°	44.1	42.4	41.0	40.8	42.2	45.4	50.5	56.6	63.4	73.3	88.2
107.5°	44.3	42.7	41.4	41.1	42.6	45.9	50.9	57.2	63.9	73.7	88.3
110°	44.5	43.0	41.6	41.5	43.1	46.4	51.4	57.8	64.4	74.1	88.8



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	42.8	42.0	41.2	41.5	43.4	46.8	51.9	58.3	65.0	74.5	89.2
115°	40.1	39.8	39.6	40.6	43.0	46.6	51.6	57.2	62.9	71.1	84.1
117.5°	37.6	37.8	38.1	39.8	42.6	46.5	51.2	56.1	60.8	67.6	79.0
120°	35.3	36.0	36.8	39.1	42.4	46.3	50.7	54.9	58.7	64.2	73.9
122.5°	33.2	34.5	35.9	38.6	42.2	46.2	50.2	53.6	56.5	60.7	68.8
125°	31.5	33.1	35.3	38.4	42.2	46.2	49.7	52.3	54.3	57.3	63.9
127.5°	30.0	32.1	34.9	38.4	42.3	46.1	49.0	50.9	52.0	53.8	59.0
130°	28.9	31.2	34.7	38.5	42.4	46.1	48.4	49.3	49.7	50.4	54.1
132.5°	28.1	31.0	34.7	38.8	42.6	45.9	47.6	47.7	47.3	46.9	49.4
135°	27.0	30.1	33.9	38.1	41.9	44.9	46.4	45.8	44.7	43.5	44.7
137.5°	25.7	28.8	32.2	36.0	38.9	41.2	42.5	41.8	40.9	39.8	41.1
140°	24.6	27.2	30.2	33.2	35.8	37.4	38.4	37.7	37.0	36.1	37.5
142.5°	23.2	25.5	28.0	30.4	32.6	33.6	34.2	33.7	33.1	32.4	33.8
145°	21.5	23.5	25.5	27.3	28.9	29.8	30.1	29.7	29.3	28.7	30.1
147.5°	19.5	21.1	22.7	24.1	25.1	25.9	26.0	25.8	25.4	25.1	26.5
150°	17.2	18.5	19.6	20.7	21.3	21.9	21.9	21.8	21.6	21.4	22.8
152.5°	14.5	15.4	16.2	16.9	17.4	17.8	17.9	17.9	17.8	17.7	19.1
155°	11.4	12.0	12.6	13.1	13.5	13.8	13.9	14.0	14.0	14.0	15.3
157.5°	9.6	9.7	9.9	10.0	10.1	10.2	10.2	10.3	10.3	10.3	11.6
160°	8.5	8.6	8.8	8.9	9.0	9.0	9.1	9.1	9.1	9.2	10.3
162.5°	7.4	7.6	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.0	9.0
165°	6.4	6.5	6.6	6.6	6.7	6.8	6.8	6.8	6.9	6.9	7.7
167.5°	5.3	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.7	6.5
170°	4.2	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	5.2
172.5°	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.9
175°	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.6
177.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3
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: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	1.4	1.6	1.7	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
5°	2.9	3.2	3.4	3.7	4.0	4.2	4.5	4.7	4.9	5.2	5.4
7.5°	4.3	4.7	5.1	5.6	6.0	6.3	6.7	7.3	7.8	8.4	8.9
10°	5.7	6.3	6.9	7.4	8.0	8.7	9.5	10.2	10.9	11.6	12.3
12.5°	7.2	7.9	8.6	9.4	10.3	11.3	12.2	13.1	13.9	14.7	15.5
15°	8.6	9.4	10.3	11.5	12.6	13.7	14.8	15.8	16.8	17.7	18.7
17.5°	10.0	11.0	12.2	13.6	14.9	16.1	17.3	18.4	19.5	20.5	21.6
20°	11.4	12.6	14.1	15.6	17.1	18.4	19.6	20.8	22.1	23.3	24.5
22.5°	12.9	14.3	16.0	17.6	19.1	20.5	21.9	23.2	24.6	25.9	27.2
25°	16.6	18.1	19.8	21.4	22.7	24.0	25.2	26.3	27.4	28.4	29.8
27.5°	20.4	22.1	24.0	25.6	27.0	28.3	29.5	30.6	31.8	32.8	33.6
30°	24.1	26.1	28.1	29.7	31.3	32.4	33.6	34.9	36.1	36.9	37.6
32.5°	27.9	30.1	32.1	33.7	35.2	36.4	37.7	39.0	40.0	40.7	41.8
35°	31.7	34.0	36.0	37.8	39.1	40.4	41.7	43.0	43.7	44.6	45.9
37.5°	35.5	37.9	39.9	41.7	42.9	44.2	45.6	46.6	47.3	48.5	49.9
40°	39.3	41.8	43.8	45.5	46.6	48.0	49.4	50.0	50.8	52.1	54.2
42.5°	43.1	45.6	47.7	49.1	50.1	51.7	52.7	53.2	54.3	55.9	58.2
45°	46.8	49.4	51.5	52.7	53.8	55.4	55.9	56.5	57.4	59.7	62.2
47.5°	52.8	56.5	59.4	60.6	61.2	61.4	60.7	60.2	61.0	63.4	65.9
50°	59.1	64.2	68.4	70.5	70.7	70.2	69.5	69.2	69.7	70.5	71.5
52.5°	65.6	72.2	77.6	80.8	79.8	79.0	78.5	78.3	79.0	79.8	81.2
55°	72.2	80.4	87.0	90.7	88.6	87.7	87.4	87.6	88.1	88.7	90.3
57.5°	79.0	88.8	96.6	100.1	97.2	96.5	96.4	96.7	97.1	97.6	99.0
60°	86.0	97.4	106.4	109.3	105.9	105.2	105.4	105.7	105.8	106.1	106.9
62.5°	93.0	106.2	116.4	118.3	114.7	114.2	114.5	114.5	114.3	114.3	114.3
65°	100.1	115.1	126.6	127.1	123.4	123.1	123.4	123.2	122.6	122.1	121.2
67.5°	107.3	124.1	136.9	135.7	132.2	132.1	132.2	131.7	130.7	129.4	127.6
70°	107.2	124.9	139.1	139.4	137.8	138.1	138.3	138.1	137.3	136.0	133.6
72.5°	106.8	125.0	140.3	142.4	142.4	142.1	141.6	141.1	140.0	138.0	135.8
75°	106.2	125.0	141.5	146.0	147.0	146.0	144.8	144.2	142.6	139.9	137.6
77.5°	105.6	125.0	142.6	149.9	151.7	149.7	148.0	147.3	145.0	141.8	139.4
80°	105.5	124.8	143.7	154.2	156.4	153.3	151.1	150.4	147.4	143.6	141.4
82.5°	104.5	125.1	145.5	158.6	161.1	156.8	154.1	153.4	149.7	145.4	143.3
85°	103.5	124.5	146.0	163.4	165.9	160.1	157.1	156.5	152.1	147.3	145.3
87.5°	102.4	123.8	146.6	167.7	170.6	163.7	160.2	159.6	154.5	149.1	147.4
90°	101.4	123.2	147.2	171.9	175.3	167.3	163.3	162.7	157.0	151.2	149.5
92.5°	102.4	123.8	146.6	167.7	170.6	163.7	160.2	159.6	154.5	149.1	147.4
95°	103.5	124.5	146.0	163.4	165.9	160.1	157.1	156.5	152.1	147.3	145.3
97.5°	104.5	125.1	145.5	158.6	161.1	156.8	154.1	153.4	149.7	145.4	143.3
100°	105.5	124.8	143.7	154.2	156.4	153.3	151.1	150.4	147.4	143.6	141.4
102.5°	105.6	125.0	142.6	149.9	151.7	149.7	148.0	147.3	145.0	141.8	139.4
105°	106.2	125.0	141.5	146.0	147.0	146.0	144.8	144.2	142.6	139.9	137.6
107.5°	106.8	125.0	140.3	142.4	142.4	142.1	141.6	141.1	140.0	138.0	135.8
110°	107.2	124.9	139.1	139.4	137.8	138.1	138.3	138.1	137.3	136.0	133.6



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	107.3	124.1	136.9	135.7	132.2	132.1	132.2	131.7	130.7	129.4	127.6
115°	100.1	115.1	126.6	127.1	123.4	123.1	123.4	123.2	122.6	122.1	121.2
117.5°	93.0	106.2	116.4	118.3	114.7	114.2	114.5	114.5	114.3	114.3	114.3
120°	86.0	97.4	106.4	109.3	105.9	105.2	105.4	105.7	105.8	106.1	106.9
122.5°	79.0	88.8	96.6	100.1	97.2	96.5	96.4	96.7	97.1	97.6	99.0
125°	72.2	80.4	87.0	90.7	88.6	87.7	87.4	87.6	88.1	88.7	90.3
127.5°	65.6	72.2	77.6	80.8	79.8	79.0	78.5	78.3	79.0	79.8	81.2
130°	59.1	64.2	68.4	70.5	70.7	70.2	69.5	69.2	69.7	70.5	71.5
132.5°	52.8	56.5	59.4	60.6	61.2	61.4	60.7	60.2	61.0	63.4	65.9
135°	46.8	49.4	51.5	52.7	53.8	55.4	55.9	56.5	57.4	59.7	62.2
137.5°	43.1	45.6	47.7	49.1	50.1	51.7	52.7	53.2	54.3	55.9	58.2
140°	39.3	41.8	43.8	45.5	46.6	48.0	49.4	50.0	50.8	52.1	54.2
142.5°	35.5	37.9	39.9	41.7	42.9	44.2	45.6	46.6	47.3	48.5	49.9
145°	31.7	34.0	36.0	37.8	39.1	40.4	41.7	43.0	43.7	44.6	45.9
147.5°	27.9	30.1	32.1	33.7	35.2	36.4	37.7	39.0	40.0	40.7	41.8
150°	24.1	26.1	28.1	29.7	31.3	32.4	33.6	34.9	36.1	36.9	37.6
152.5°	20.4	22.1	24.0	25.6	27.0	28.3	29.5	30.6	31.8	32.8	33.6
155°	16.6	18.1	19.8	21.4	22.7	24.0	25.2	26.3	27.4	28.4	29.8
157.5°	12.9	14.3	16.0	17.6	19.1	20.5	21.9	23.2	24.6	25.9	27.2
160°	11.4	12.6	14.1	15.6	17.1	18.4	19.6	20.8	22.1	23.3	24.5
162.5°	10.0	11.0	12.2	13.6	14.9	16.1	17.3	18.4	19.5	20.5	21.6
165°	8.6	9.4	10.3	11.5	12.6	13.7	14.8	15.8	16.8	17.7	18.7
167.5°	7.2	7.9	8.6	9.4	10.3	11.3	12.2	13.1	13.9	14.7	15.5
170°	5.7	6.3	6.9	7.4	8.0	8.7	9.5	10.2	10.9	11.6	12.3
172.5°	4.3	4.7	5.1	5.6	6.0	6.3	6.7	7.3	7.8	8.4	8.9
175°	2.9	3.2	3.4	3.7	4.0	4.2	4.5	4.7	4.9	5.2	5.4
177.5°	1.4	1.6	1.7	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.5
5°	5.7	6.0	6.3	6.6	6.9	7.1	7.4	7.6	7.8	8.0	8.2
7.5°	9.4	9.8	10.3	10.7	11.1	11.5	11.8	12.1	12.4	12.7	12.9
10°	12.9	13.5	14.0	14.6	15.1	15.6	16.0	16.5	16.9	17.2	17.6
12.5°	16.2	17.0	17.6	18.3	19.0	19.6	20.2	20.7	21.2	21.8	22.3
15°	19.5	20.3	21.2	22.0	22.8	23.6	24.4	25.2	25.9	26.7	27.3
17.5°	22.6	23.7	24.6	25.7	26.7	27.7	28.6	29.4	30.3	31.1	31.9
20°	25.7	26.9	28.0	29.1	30.2	31.2	32.2	33.2	34.2	35.2	36.1
22.5°	28.6	29.8	30.9	32.1	33.2	34.6	35.9	37.1	38.2	39.0	39.7
25°	31.0	32.2	33.6	35.1	36.7	38.2	39.7	40.9	42.0	43.0	44.0
27.5°	34.3	35.2	36.6	38.4	40.4	42.3	44.1	45.6	47.2	48.5	49.5
30°	38.7	40.1	41.5	43.4	45.1	47.3	49.5	51.5	53.2	54.6	55.9
32.5°	43.2	44.8	46.8	48.8	51.2	53.5	55.8	57.9	59.8	61.5	62.9
35°	47.6	49.7	51.9	54.5	57.0	59.7	62.2	64.5	66.7	68.9	71.1
37.5°	52.1	54.5	57.1	59.9	62.9	65.8	68.5	71.2	74.0	77.0	79.4
40°	56.5	59.2	62.2	65.5	68.7	71.9	75.0	78.1	81.4	84.6	88.0
42.5°	60.9	63.8	67.4	71.0	74.5	78.0	81.4	85.3	89.3	93.3	97.6
45°	64.9	68.7	72.6	76.5	80.3	84.0	88.3	92.5	97.2	102.3	108.4
47.5°	69.3	73.5	77.8	81.9	85.8	90.4	95.1	99.9	105.7	112.2	120.3
50°	74.1	78.3	82.8	86.9	91.7	96.7	101.5	107.5	114.7	123.4	133.2
52.5°	83.5	86.2	88.8	92.1	97.8	102.3	108.1	115.4	124.4	135.3	148.4
55°	92.3	94.4	96.7	100.1	103.8	108.0	114.7	123.7	134.7	148.4	163.9
57.5°	100.3	101.8	103.9	107.0	110.6	116.6	123.6	132.2	146.0	161.7	179.4
60°	107.6	108.4	110.3	113.3	118.3	125.3	133.0	144.4	158.2	174.3	197.2
62.5°	114.3	114.6	115.9	119.2	126.5	133.8	142.9	155.3	170.9	192.0	215.7
65°	120.3	120.1	121.6	126.3	134.4	141.3	151.8	166.3	185.3	208.3	234.0
67.5°	125.9	124.9	126.8	133.8	141.3	148.9	160.1	176.1	198.5	223.2	251.0
70°	131.1	129.3	131.7	141.1	147.4	155.3	168.5	187.3	210.3	235.7	266.4
72.5°	133.9	133.3	137.7	147.6	152.7	160.8	175.7	196.7	219.8	247.1	278.2
75°	135.8	136.3	142.7	151.9	158.4	167.4	183.2	204.3	226.7	255.9	288.0
77.5°	137.8	139.4	147.4	156.5	163.9	174.3	191.1	212.0	235.2	263.8	295.9
80°	139.9	142.3	151.7	161.2	169.1	180.2	197.7	218.2	242.3	271.3	305.1
82.5°	142.1	145.3	155.6	165.8	174.0	185.1	202.9	223.1	247.4	276.6	311.8
85°	144.4	148.1	159.1	170.4	178.6	189.2	207.0	226.6	250.4	279.6	315.8
87.5°	146.7	150.9	162.4	175.0	183.0	192.8	210.4	229.5	252.3	281.5	318.6
90°	149.0	153.5	165.0	178.7	186.8	195.4	212.0	230.3	251.5	279.6	316.2
92.5°	146.7	150.9	162.4	175.0	183.0	192.8	210.4	229.5	252.3	281.5	318.6
95°	144.4	148.1	159.1	170.4	178.6	189.2	207.0	226.6	250.4	279.6	315.8
97.5°	142.1	145.3	155.6	165.8	174.0	185.1	202.9	223.1	247.4	276.6	311.8
100°	139.9	142.3	151.7	161.2	169.1	180.2	197.7	218.2	242.3	271.3	305.1
102.5°	137.8	139.4	147.4	156.5	163.9	174.3	191.1	212.0	235.2	263.8	295.9
105°	135.8	136.3	142.7	151.9	158.4	167.4	183.2	204.3	226.7	255.9	288.0
107.5°	133.9	133.3	137.7	147.6	152.7	160.8	175.7	196.7	219.8	247.1	278.2
110°	131.1	129.3	131.7	141.1	147.4	155.3	168.5	187.3	210.3	235.7	266.4



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	125.9	124.9	126.8	133.8	141.3	148.9	160.1	176.1	198.5	223.2	251.0
115°	120.3	120.1	121.6	126.3	134.4	141.3	151.8	166.3	185.3	208.3	234.0
117.5°	114.3	114.6	115.9	119.2	126.5	133.8	142.9	155.3	170.9	192.0	215.7
120°	107.6	108.4	110.3	113.3	118.3	125.3	133.0	144.4	158.2	174.3	197.2
122.5°	100.3	101.8	103.9	107.0	110.6	116.6	123.6	132.2	146.0	161.7	179.4
125°	92.3	94.4	96.7	100.1	103.8	108.0	114.7	123.7	134.7	148.4	163.9
127.5°	83.5	86.2	88.8	92.1	97.8	102.3	108.1	115.4	124.4	135.3	148.4
130°	74.1	78.3	82.8	86.9	91.7	96.7	101.5	107.5	114.7	123.4	133.2
132.5°	69.3	73.5	77.8	81.9	85.8	90.4	95.1	99.9	105.7	112.2	120.3
135°	64.9	68.7	72.6	76.5	80.3	84.0	88.3	92.5	97.2	102.3	108.4
137.5°	60.9	63.8	67.4	71.0	74.5	78.0	81.4	85.3	89.3	93.3	97.6
140°	56.5	59.2	62.2	65.5	68.7	71.9	75.0	78.1	81.4	84.6	88.0
142.5°	52.1	54.5	57.1	59.9	62.9	65.8	68.5	71.2	74.0	77.0	79.4
145°	47.6	49.7	51.9	54.5	57.0	59.7	62.2	64.5	66.7	68.9	71.1
147.5°	43.2	44.8	46.8	48.8	51.2	53.5	55.8	57.9	59.8	61.5	62.9
150°	38.7	40.1	41.5	43.4	45.1	47.3	49.5	51.5	53.2	54.6	55.9
152.5°	34.3	35.2	36.6	38.4	40.4	42.3	44.1	45.6	47.2	48.5	49.5
155°	31.0	32.2	33.6	35.1	36.7	38.2	39.7	40.9	42.0	43.0	44.0
157.5°	28.6	29.8	30.9	32.1	33.2	34.6	35.9	37.1	38.2	39.0	39.7
160°	25.7	26.9	28.0	29.1	30.2	31.2	32.2	33.2	34.2	35.2	36.1
162.5°	22.6	23.7	24.6	25.7	26.7	27.7	28.6	29.4	30.3	31.1	31.9
165°	19.5	20.3	21.2	22.0	22.8	23.6	24.4	25.2	25.9	26.7	27.3
167.5°	16.2	17.0	17.6	18.3	19.0	19.6	20.2	20.7	21.2	21.8	22.3
170°	12.9	13.5	14.0	14.6	15.1	15.6	16.0	16.5	16.9	17.2	17.6
172.5°	9.4	9.8	10.3	10.7	11.1	11.5	11.8	12.1	12.4	12.7	12.9
175°	5.7	6.0	6.3	6.6	6.9	7.1	7.4	7.6	7.8	8.0	8.2
177.5°	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-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°	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.5	3.5
5°	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.8	9.0	8.9	8.8
7.5°	13.2	13.4	13.5	13.7	13.8	13.9	13.9	14.0	14.0	14.1	14.0
10°	17.9	18.2	18.4	18.6	18.8	19.0	19.1	19.1	19.2	19.3	19.2
12.5°	22.8	23.3	23.7	24.1	24.4	24.7	24.9	25.1	25.2	25.3	25.5
15°	27.9	28.5	29.0	29.5	30.0	30.4	30.7	31.0	31.2	31.4	31.6
17.5°	32.6	33.3	33.8	34.4	34.8	35.2	35.5	35.8	36.0	36.1	36.3
20°	36.9	37.5	37.9	38.1	38.2	38.2	38.2	38.1	37.9	37.6	37.4
22.5°	40.3	40.6	41.0	41.4	41.6	41.6	41.5	41.3	41.0	40.6	40.3
25°	44.8	45.4	45.8	46.1	46.2	46.1	45.9	45.5	45.0	44.3	43.6
27.5°	50.4	51.0	51.4	51.7	52.0	52.1	52.0	51.8	51.4	50.8	50.1
30°	56.8	57.7	58.4	59.0	60.1	61.0	61.8	62.3	62.7	62.8	62.6
32.5°	64.3	66.1	67.8	69.4	70.9	72.2	73.3	74.2	74.9	75.3	75.3
35°	73.3	75.5	77.6	79.7	81.7	84.5	87.1	89.4	91.4	93.1	94.3
37.5°	82.1	84.9	88.6	92.3	96.0	99.6	103.0	106.0	108.5	110.5	112.0
40°	91.9	96.1	101.0	105.9	110.4	115.5	121.1	126.1	130.7	134.6	137.8
42.5°	102.9	108.3	114.4	121.7	128.9	136.1	144.3	151.8	158.6	164.5	169.5
45°	115.0	122.9	130.6	140.6	150.9	161.8	171.2	180.9	189.6	197.3	203.8
47.5°	129.0	139.6	150.6	162.1	175.2	187.8	200.8	214.0	226.3	237.5	247.2
50°	145.6	158.3	172.3	186.2	201.5	217.9	234.9	252.6	268.5	282.5	294.4
52.5°	162.9	178.2	195.6	212.9	232.6	253.8	275.1	295.3	312.7	327.1	338.8
55°	180.6	200.5	221.4	245.1	269.1	294.4	318.5	339.7	356.1	367.8	375.3
57.5°	201.0	224.9	250.5	278.3	308.1	337.4	367.2	384.3	394.4	400.9	404.2
60°	222.5	249.6	279.2	310.7	344.5	375.1	401.4	417.7	421.8	424.9	426.6
62.5°	242.7	272.8	305.7	340.8	372.8	401.4	421.3	436.5	440.6	443.4	444.8
65°	262.6	293.1	328.3	363.9	395.4	420.5	440.1	452.2	456.8	459.8	461.9
67.5°	281.3	313.6	348.8	385.6	418.5	446.8	461.7	467.9	470.1	472.8	475.4
70°	297.8	333.3	371.1	410.0	450.5	469.1	478.0	480.0	481.0	483.9	487.5
72.5°	312.4	350.3	391.6	435.1	468.1	484.9	488.3	489.8	492.3	495.2	498.6
75°	324.5	366.3	409.1	449.3	478.2	491.9	495.3	497.0	500.8	506.2	509.1
77.5°	334.1	379.6	420.4	459.6	485.9	497.6	500.6	502.2	509.7	515.6	516.9
80°	345.2	387.6	427.3	469.2	496.1	504.4	506.7	511.3	516.8	520.8	519.1
82.5°	353.6	395.1	438.2	478.0	501.5	509.7	513.1	517.1	520.1	522.3	523.3
85°	358.1	400.0	445.2	485.6	505.3	511.6	515.3	517.2	517.0	522.6	529.8
87.5°	360.5	401.9	447.9	490.4	508.4	511.7	511.6	513.5	517.9	526.4	528.7
90°	356.3	400.4	446.3	491.5	509.9	511.0	506.4	510.4	524.2	531.1	529.3
92.5°	360.5	401.9	447.9	490.4	508.4	511.7	511.6	513.5	517.9	526.4	528.7
95°	358.1	400.0	445.2	485.6	505.3	511.6	515.3	517.2	517.0	522.6	529.8
97.5°	353.6	395.1	438.2	478.0	501.5	509.7	513.1	517.1	520.1	522.3	523.3
100°	345.2	387.6	427.3	469.2	496.1	504.4	506.7	511.3	516.8	520.8	519.1
102.5°	334.1	379.6	420.4	459.6	485.9	497.6	500.6	502.2	509.7	515.6	516.9
105°	324.5	366.3	409.1	449.3	478.2	491.9	495.3	497.0	500.8	506.2	509.1
107.5°	312.4	350.3	391.6	435.1	468.1	484.9	488.3	489.8	492.3	495.2	498.6
110°	297.8	333.3	371.1	410.0	450.5	469.1	478.0	480.0	481.0	483.9	487.5



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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°	281.3	313.6	348.8	385.6	418.5	446.8	461.7	467.9	470.1	472.8	475.4
115°	262.6	293.1	328.3	363.9	395.4	420.5	440.1	452.2	456.8	459.8	461.9
117.5°	242.7	272.8	305.7	340.8	372.8	401.4	421.3	436.5	440.6	443.4	444.8
120°	222.5	249.6	279.2	310.7	344.5	375.1	401.4	417.7	421.8	424.9	426.6
122.5°	201.0	224.9	250.5	278.3	308.1	337.4	367.2	384.3	394.4	400.9	404.2
125°	180.6	200.5	221.4	245.1	269.1	294.4	318.5	339.7	356.1	367.8	375.3
127.5°	162.9	178.2	195.6	212.9	232.6	253.8	275.1	295.3	312.7	327.1	338.8
130°	145.6	158.3	172.3	186.2	201.5	217.9	234.9	252.6	268.5	282.5	294.4
132.5°	129.0	139.6	150.6	162.1	175.2	187.8	200.8	214.0	226.3	237.5	247.2
135°	115.0	122.9	130.6	140.6	150.9	161.8	171.2	180.9	189.6	197.3	203.8
137.5°	102.9	108.3	114.4	121.7	128.9	136.1	144.3	151.8	158.6	164.5	169.5
140°	91.9	96.1	101.0	105.9	110.4	115.5	121.1	126.1	130.7	134.6	137.8
142.5°	82.1	84.9	88.6	92.3	96.0	99.6	103.0	106.0	108.5	110.5	112.0
145°	73.3	75.5	77.6	79.7	81.7	84.5	87.1	89.4	91.4	93.1	94.3
147.5°	64.3	66.1	67.8	69.4	70.9	72.2	73.3	74.2	74.9	75.3	75.3
150°	56.8	57.7	58.4	59.0	60.1	61.0	61.8	62.3	62.7	62.8	62.6
152.5°	50.4	51.0	51.4	51.7	52.0	52.1	52.0	51.8	51.4	50.8	50.1
155°	44.8	45.4	45.8	46.1	46.2	46.1	45.9	45.5	45.0	44.3	43.6
157.5°	40.3	40.6	41.0	41.4	41.6	41.6	41.5	41.3	41.0	40.6	40.3
160°	36.9	37.5	37.9	38.1	38.2	38.2	38.2	38.1	37.9	37.6	37.4
162.5°	32.6	33.3	33.8	34.4	34.8	35.2	35.5	35.8	36.0	36.1	36.3
165°	27.9	28.5	29.0	29.5	30.0	30.4	30.7	31.0	31.2	31.4	31.6
167.5°	22.8	23.3	23.7	24.1	24.4	24.7	24.9	25.1	25.2	25.3	25.5
170°	17.9	18.2	18.4	18.6	18.8	19.0	19.1	19.1	19.2	19.3	19.2
172.5°	13.2	13.4	13.5	13.7	13.8	13.9	13.9	14.0	14.0	14.1	14.0
175°	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.8	9.0	8.9	8.8
177.5°	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.5	3.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	3.4	3.4
5°	8.7	8.6
7.5°	13.8	13.7
10°	19.0	18.9
12.5°	25.3	25.2
15°	31.6	31.5
17.5°	36.2	36.1
20°	37.0	36.7
22.5°	39.6	39.0
25°	42.8	41.8
27.5°	49.2	48.1
30°	62.3	61.3
32.5°	75.3	74.5
35°	95.3	95.1
37.5°	113.3	113.4
40°	140.6	141.5
42.5°	174.0	175.9
45°	209.6	212.5
47.5°	256.3	261.2
50°	305.3	311.1
52.5°	349.0	354.0
55°	380.4	381.0
57.5°	405.7	403.3
60°	427.8	425.7
62.5°	444.9	443.4
65°	462.8	462.3
67.5°	477.5	478.4
70°	489.7	490.4
72.5°	500.2	500.1
75°	507.0	502.4
77.5°	512.0	505.9
80°	518.6	521.3
82.5°	525.8	527.6
85°	530.4	527.1
87.5°	531.6	528.2
90°	532.8	531.1
92.5°	531.6	528.2
95°	530.4	527.1
97.5°	525.8	527.6
100°	518.6	521.3
102.5°	512.0	505.9
105°	507.0	502.4
107.5°	500.2	500.1
110°	489.7	490.4



TEST NUMBER: P231896

CATALOG NUMBER: FVS4WM-2-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	477.5	478.4
115°	462.8	462.3
117.5°	444.9	443.4
120°	427.8	425.7
122.5°	405.7	403.3
125°	380.4	381.0
127.5°	349.0	354.0
130°	305.3	311.1
132.5°	256.3	261.2
135°	209.6	212.5
137.5°	174.0	175.9
140°	140.6	141.5
142.5°	113.3	113.4
145°	95.3	95.1
147.5°	75.3	74.5
150°	62.3	61.3
152.5°	49.2	48.1
155°	42.8	41.8
157.5°	39.6	39.0
160°	37.0	36.7
162.5°	36.2	36.1
165°	31.6	31.5
167.5°	25.3	25.2
170°	19.0	18.9
172.5°	13.8	13.7
175°	8.7	8.6
177.5°	3.4	3.4
180°	0.0	0.0

(END OF REPORT)