

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: P231903

Luminaire Tested: **FVS4WM-2-LD4-50-1STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231903
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-LD4-50-1STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (42) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

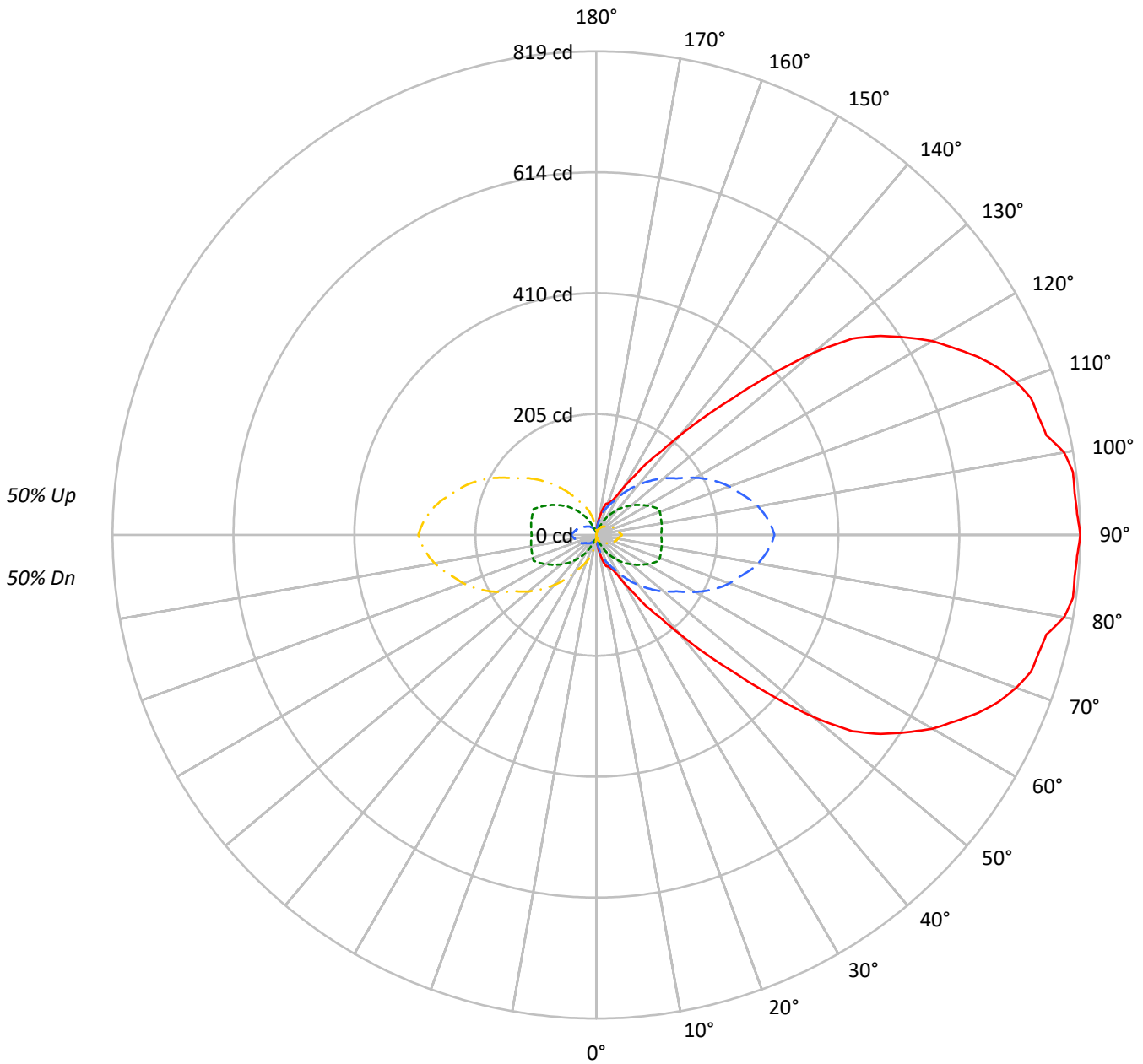
Lumens per Lamp: N/A
Luminaire Lumens: 1896.1 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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



— 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°	349	104	0	104
10°	686	210	0	210
15°	1042	315	0	315
20°	1121	424	0	424
25°	1199	663	0	663
30°	1666	1043	0	1043
35°	2475	1454	0	1454
40°	3557	1916	0	1916
45°	5207	2444	0	2444
50°	7487	3032	0	3032
55°	9077	3740	0	3740
60°	10118	4624	0	4624
65°	11047	5755	0	5755
70°	11871	6913	0	6913
75°	12420	8137	0	8137
80°	13268	10037	0	10037
85°	13933	13297	0	13297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.0
10°-20°	5.9	0.3
20°-30°	15.9	0.8
30°-40°	36.7	1.9
40°-50°	73.1	3.9
50°-60°	131.1	6.9
60°-70°	192.3	10.1
70°-80°	235.1	12.4
80°-90°	257.2	13.6
90°-100°	257.2	13.6
100°-110°	235.1	12.4
110°-120°	192.3	10.1
120°-130°	131.1	6.9
130°-140°	73.1	3.9
140°-150°	36.7	1.9
150°-160°	15.9	0.8
160°-170°	5.9	0.3
170°-180°	0.8	0.0
0°-30°	22.6	1.2
0°-40°	59.4	3.1
0°-60°	263.5	13.9
0°-90°	948.1	50.0
90°-120°	684.6	36.1
90°-150°	925.4	48.8
90°-180°	948.0	50.0
0°-180°	1896.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	13	4	0	4	13	2
15°	49	11	0	11	49	14
25°	64	22	0	22	64	32
35°	147	44	0	44	147	95
45°	328	67	0	67	328	264
55°	588	88	0	88	588	523
65°	713	110	0	110	713	706
75°	775	113	0	113	775	822
85°	813	111	0	111	813	663
90°	819	110	0	110	819	448
95°	813	111	0	111	813	663
105°	775	113	0	113	775	822
115°	713	110	0	110	713	706
125°	588	88	0	88	588	523
135°	328	67	0	67	328	264
145°	147	44	0	44	147	95
155°	64	22	0	22	64	32
165°	49	11	0	11	49	14
175°	13	4	0	4	13	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°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.6	5.6	5.6	5.6
5°	13.3	13.4	13.6	13.7	13.9	13.6	13.6	13.6	13.5	13.4	13.2
7.5°	21.2	21.4	21.6	21.8	21.6	21.6	21.6	21.5	21.3	21.1	20.9
10°	29.2	29.4	29.6	29.9	29.6	29.6	29.5	29.3	29.1	28.8	28.5
12.5°	38.9	39.1	39.3	39.1	39.0	38.7	38.5	38.1	37.7	37.1	36.6
15°	48.6	48.7	48.8	48.4	48.2	47.8	47.4	46.8	46.2	45.5	44.8
17.5°	55.7	55.9	56.0	55.7	55.5	55.2	54.8	54.3	53.7	53.0	52.2
20°	56.5	57.0	57.6	58.0	58.4	58.7	58.9	58.9	58.9	58.7	58.4
22.5°	60.1	61.1	62.0	62.6	63.2	63.7	64.0	64.1	64.0	63.7	63.2
25°	64.5	66.0	67.2	68.4	69.4	70.2	70.8	71.1	71.2	71.1	70.7
27.5°	74.2	75.9	77.2	78.4	79.3	79.9	80.3	80.4	80.2	79.7	79.2
30°	94.5	96.0	96.5	96.8	96.6	96.1	95.3	94.1	92.7	90.9	90.2
32.5°	114.9	116.1	116.2	116.1	115.5	114.5	113.1	111.3	109.3	107.0	104.6
35°	146.7	147.0	145.4	143.6	141.0	137.9	134.3	130.3	126.0	122.8	119.7
37.5°	174.9	174.8	172.8	170.4	167.3	163.4	158.9	153.7	148.0	142.4	136.6
40°	218.2	216.8	212.4	207.5	201.5	194.5	186.7	178.2	170.3	163.3	155.7
42.5°	271.3	268.3	261.4	253.7	244.5	234.1	222.5	209.9	198.8	187.7	176.4
45°	327.8	323.4	314.3	304.3	292.5	278.9	264.0	249.6	232.6	216.8	201.4
47.5°	402.9	395.4	381.3	366.3	349.1	330.1	309.7	289.5	270.1	250.0	232.3
50°	479.8	470.8	454.1	435.8	414.2	389.6	362.3	336.1	310.8	287.0	265.7
52.5°	546.0	538.2	522.5	504.5	482.2	455.4	424.2	391.4	358.7	328.5	301.6
55°	587.6	586.8	578.9	567.2	549.2	523.9	491.1	454.0	415.0	378.0	341.5
57.5°	622.0	625.7	623.4	618.3	608.3	592.8	566.4	520.4	475.2	429.3	386.3
60°	656.5	659.7	658.0	655.3	650.6	644.1	619.0	578.5	531.3	479.3	430.6
62.5°	683.9	686.1	686.1	683.9	679.6	673.3	649.7	619.1	574.9	525.6	471.5
65°	713.0	713.8	712.4	709.2	704.6	697.5	678.9	648.5	609.8	561.2	506.3
67.5°	737.8	736.4	733.2	729.2	725.1	721.7	712.1	689.1	645.3	594.6	537.9
70°	756.3	755.2	751.8	746.2	741.8	740.3	737.2	723.5	694.8	632.3	572.3
72.5°	771.3	771.4	769.0	763.8	759.3	755.3	753.1	747.8	722.0	671.0	604.0
75°	774.9	782.1	785.3	780.8	772.4	766.5	763.8	758.7	737.5	693.0	631.0
77.5°	780.2	789.7	797.2	795.2	786.1	774.5	772.0	767.4	749.5	708.8	648.4
80°	804.0	799.8	800.5	803.2	796.9	788.6	781.4	777.8	765.2	723.7	659.1
82.5°	813.8	810.9	807.1	805.5	802.1	797.4	791.4	786.1	773.4	737.3	675.8
85°	812.9	818.0	817.1	806.1	797.4	797.7	794.8	789.0	779.3	749.0	686.6
87.5°	814.6	819.8	815.4	811.9	798.8	792.0	789.0	789.1	784.0	756.5	690.8
90°	819.1	821.7	816.4	819.1	808.5	787.2	781.1	788.1	786.4	758.1	688.3
92.5°	814.6	819.8	815.4	811.9	798.8	792.0	789.0	789.1	784.0	756.5	690.8
95°	812.9	818.0	817.1	806.1	797.4	797.7	794.8	789.0	779.3	749.0	686.6
97.5°	813.8	810.9	807.1	805.5	802.1	797.4	791.4	786.1	773.4	737.3	675.8
100°	804.0	799.8	800.5	803.2	796.9	788.6	781.4	777.8	765.2	723.7	659.1
102.5°	780.2	789.7	797.2	795.2	786.1	774.5	772.0	767.4	749.5	708.8	648.4
105°	774.9	782.1	785.3	780.8	772.4	766.5	763.8	758.7	737.5	693.0	631.0
107.5°	771.3	771.4	769.0	763.8	759.3	755.3	753.1	747.8	722.0	671.0	604.0
110°	756.3	755.2	751.8	746.2	741.8	740.3	737.2	723.5	694.8	632.3	572.3



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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°	737.8	736.4	733.2	729.2	725.1	721.7	712.1	689.1	645.3	594.6	537.9
115°	713.0	713.8	712.4	709.2	704.6	697.5	678.9	648.5	609.8	561.2	506.3
117.5°	683.9	686.1	686.1	683.9	679.6	673.3	649.7	619.1	574.9	525.6	471.5
120°	656.5	659.7	658.0	655.3	650.6	644.1	619.0	578.5	531.3	479.3	430.6
122.5°	622.0	625.7	623.4	618.3	608.3	592.8	566.4	520.4	475.2	429.3	386.3
125°	587.6	586.8	578.9	567.2	549.2	523.9	491.1	454.0	415.0	378.0	341.5
127.5°	546.0	538.2	522.5	504.5	482.2	455.4	424.2	391.4	358.7	328.5	301.6
130°	479.8	470.8	454.1	435.8	414.2	389.6	362.3	336.1	310.8	287.0	265.7
132.5°	402.9	395.4	381.3	366.3	349.1	330.1	309.7	289.5	270.1	250.0	232.3
135°	327.8	323.4	314.3	304.3	292.5	278.9	264.0	249.6	232.6	216.8	201.4
137.5°	271.3	268.3	261.4	253.7	244.5	234.1	222.5	209.9	198.8	187.7	176.4
140°	218.2	216.8	212.4	207.5	201.5	194.5	186.7	178.2	170.3	163.3	155.7
142.5°	174.9	174.8	172.8	170.4	167.3	163.4	158.9	153.7	148.0	142.4	136.6
145°	146.7	147.0	145.4	143.6	141.0	137.9	134.3	130.3	126.0	122.8	119.7
147.5°	114.9	116.1	116.2	116.1	115.5	114.5	113.1	111.3	109.3	107.0	104.6
150°	94.5	96.0	96.5	96.8	96.6	96.1	95.3	94.1	92.7	90.9	90.2
152.5°	74.2	75.9	77.2	78.4	79.3	79.9	80.3	80.4	80.2	79.7	79.2
155°	64.5	66.0	67.2	68.4	69.4	70.2	70.8	71.1	71.2	71.1	70.7
157.5°	60.1	61.1	62.0	62.6	63.2	63.7	64.0	64.1	64.0	63.7	63.2
160°	56.5	57.0	57.6	58.0	58.4	58.7	58.9	58.9	58.9	58.7	58.4
162.5°	55.7	55.9	56.0	55.7	55.5	55.2	54.8	54.3	53.7	53.0	52.2
165°	48.6	48.7	48.8	48.4	48.2	47.8	47.4	46.8	46.2	45.5	44.8
167.5°	38.9	39.1	39.3	39.1	39.0	38.7	38.5	38.1	37.7	37.1	36.6
170°	29.2	29.4	29.6	29.9	29.6	29.6	29.5	29.3	29.1	28.8	28.5
172.5°	21.2	21.4	21.6	21.8	21.6	21.6	21.6	21.5	21.3	21.1	20.9
175°	13.3	13.4	13.6	13.7	13.9	13.6	13.6	13.6	13.5	13.4	13.2
177.5°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.6	5.6	5.6	5.6
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°	5.5	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.6
5°	13.1	12.8	12.6	12.4	12.1	11.8	11.4	11.0	10.7	10.2	9.8
7.5°	20.7	20.4	20.0	19.6	19.2	18.8	18.3	17.7	17.2	16.6	15.9
10°	28.1	27.7	27.2	26.7	26.1	25.5	24.8	24.1	23.3	22.6	21.7
12.5°	35.9	35.2	34.4	33.6	32.8	32.0	31.1	30.2	29.3	28.3	27.3
15°	43.9	43.1	42.1	41.1	40.0	38.8	37.6	36.4	35.1	33.9	32.7
17.5°	51.3	50.3	49.1	47.9	46.7	45.4	44.0	42.6	41.1	39.6	38.0
20°	57.9	56.9	55.6	54.3	52.8	51.2	49.6	48.1	46.5	44.9	43.2
22.5°	62.6	62.0	61.2	60.2	58.9	57.2	55.3	53.3	51.2	49.4	47.7
25°	70.0	69.1	67.8	66.3	64.7	63.1	61.1	58.9	56.5	54.1	51.8
27.5°	78.7	77.7	76.4	74.7	72.7	70.3	68.0	65.1	62.3	59.2	56.3
30°	89.1	87.6	86.2	84.2	82.0	79.4	76.3	72.8	69.5	66.8	64.0
32.5°	102.0	99.2	97.0	94.8	92.2	89.3	86.0	82.5	78.9	75.2	72.1
35°	116.4	113.0	109.7	106.3	102.9	99.5	95.9	92.0	87.9	84.0	80.1
37.5°	130.9	126.5	122.4	118.7	114.1	109.8	105.7	101.4	97.0	92.4	88.1
40°	148.1	141.7	135.6	130.4	125.5	120.5	115.7	110.8	106.0	101.0	95.9
42.5°	167.1	158.7	150.6	143.8	137.6	131.5	125.6	120.3	114.9	109.5	104.0
45°	189.5	177.3	167.2	157.8	149.9	142.7	136.2	129.5	123.8	118.0	111.9
47.5°	215.2	199.0	185.6	173.1	163.0	154.0	146.6	139.5	132.3	126.2	119.9
50°	244.1	224.5	205.5	190.3	176.9	165.9	156.6	149.1	141.5	134.1	127.7
52.5°	274.7	251.3	228.9	208.6	191.9	178.0	166.8	157.8	151.0	142.2	137.0
55°	309.3	278.5	252.8	228.9	207.8	190.8	176.9	166.6	160.2	154.4	149.2
57.5°	346.9	310.0	276.7	249.4	225.1	203.9	190.6	179.8	170.6	165.1	160.2
60°	385.0	343.1	304.2	268.9	244.1	222.7	205.2	193.3	182.5	174.8	170.1
62.5°	420.8	374.4	332.8	296.1	263.6	239.5	220.4	206.4	195.1	183.9	178.8
65°	452.1	405.1	361.0	321.3	285.7	256.5	234.1	217.9	207.3	194.7	187.5
67.5°	483.7	433.9	387.1	344.2	306.2	271.7	246.9	229.6	217.9	206.3	195.6
70°	514.1	459.4	410.9	363.6	324.4	289.0	259.9	239.5	227.2	217.6	203.1
72.5°	540.2	481.8	429.0	381.1	338.9	303.5	271.0	247.9	235.5	227.6	212.3
75°	565.0	500.5	444.2	394.6	349.7	315.2	282.6	258.1	244.3	234.2	220.1
77.5°	585.5	515.2	456.3	406.8	362.7	326.9	294.8	268.9	252.7	241.3	227.3
80°	597.8	532.4	470.5	418.4	373.7	336.5	304.9	277.9	260.7	248.5	233.9
82.5°	609.4	545.4	480.8	426.5	381.5	344.0	313.0	285.5	268.3	255.8	239.9
85°	617.0	552.4	487.1	431.2	386.2	349.5	319.2	291.8	275.3	262.9	245.4
87.5°	619.9	556.1	491.4	434.1	389.2	354.0	324.4	297.3	282.2	269.9	250.5
90°	617.6	549.6	487.7	431.2	387.9	355.2	326.9	301.3	288.0	275.7	254.5
92.5°	619.9	556.1	491.4	434.1	389.2	354.0	324.4	297.3	282.2	269.9	250.5
95°	617.0	552.4	487.1	431.2	386.2	349.5	319.2	291.8	275.3	262.9	245.4
97.5°	609.4	545.4	480.8	426.5	381.5	344.0	313.0	285.5	268.3	255.8	239.9
100°	597.8	532.4	470.5	418.4	373.7	336.5	304.9	277.9	260.7	248.5	233.9
102.5°	585.5	515.2	456.3	406.8	362.7	326.9	294.8	268.9	252.7	241.3	227.3
105°	565.0	500.5	444.2	394.6	349.7	315.2	282.6	258.1	244.3	234.2	220.1
107.5°	540.2	481.8	429.0	381.1	338.9	303.5	271.0	247.9	235.5	227.6	212.3
110°	514.1	459.4	410.9	363.6	324.4	289.0	259.9	239.5	227.2	217.6	203.1



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	483.7	433.9	387.1	344.2	306.2	271.7	246.9	229.6	217.9	206.3	195.6
115°	452.1	405.1	361.0	321.3	285.7	256.5	234.1	217.9	207.3	194.7	187.5
117.5°	420.8	374.4	332.8	296.1	263.6	239.5	220.4	206.4	195.1	183.9	178.8
120°	385.0	343.1	304.2	268.9	244.1	222.7	205.2	193.3	182.5	174.8	170.1
122.5°	346.9	310.0	276.7	249.4	225.1	203.9	190.6	179.8	170.6	165.1	160.2
125°	309.2	278.5	252.8	228.9	207.8	190.8	176.9	166.6	160.2	154.4	149.2
127.5°	274.7	251.3	228.9	208.6	191.9	178.0	166.8	157.8	151.0	142.2	137.0
130°	244.1	224.5	205.5	190.3	176.9	165.9	156.6	149.1	141.5	134.1	127.7
132.5°	215.2	199.0	185.6	173.1	163.0	154.0	146.6	139.5	132.3	126.2	119.9
135°	189.5	177.3	167.2	157.8	149.9	142.7	136.2	129.5	123.8	118.0	111.9
137.5°	167.1	158.7	150.6	143.8	137.6	131.5	125.6	120.3	114.9	109.5	104.0
140°	148.1	141.7	135.6	130.4	125.5	120.5	115.7	110.8	106.0	101.0	95.9
142.5°	130.9	126.5	122.4	118.7	114.1	109.8	105.7	101.4	97.0	92.4	88.1
145°	116.4	113.0	109.7	106.3	102.9	99.5	95.9	92.0	87.9	84.0	80.1
147.5°	102.0	99.2	97.0	94.8	92.2	89.3	86.0	82.5	78.9	75.2	72.1
150°	89.1	87.6	86.2	84.2	82.0	79.4	76.3	72.8	69.5	66.8	64.0
152.5°	78.7	77.7	76.4	74.7	72.7	70.3	68.0	65.1	62.3	59.2	56.3
155°	70.0	69.1	67.8	66.3	64.7	63.1	61.1	58.9	56.5	54.1	51.8
157.5°	62.6	62.0	61.2	60.2	58.9	57.2	55.3	53.3	51.2	49.4	47.7
160°	57.9	56.9	55.6	54.3	52.8	51.2	49.6	48.1	46.5	44.9	43.2
162.5°	51.3	50.3	49.1	47.9	46.7	45.4	44.0	42.6	41.1	39.6	38.0
165°	43.9	43.1	42.1	41.1	40.0	38.8	37.6	36.4	35.1	33.9	32.7
167.5°	35.9	35.2	34.4	33.6	32.8	32.0	31.1	30.2	29.3	28.3	27.3
170°	28.1	27.7	27.2	26.7	26.1	25.5	24.8	24.1	23.3	22.6	21.7
172.5°	20.7	20.4	20.0	19.6	19.2	18.8	18.3	17.7	17.2	16.6	15.9
175°	13.1	12.8	12.6	12.4	12.1	11.8	11.4	11.0	10.7	10.2	9.8
177.5°	5.5	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	4.5	4.3	4.2	4.0	3.8	3.7	3.5	3.3	3.1	2.9	2.7
5°	9.3	8.9	8.4	8.0	7.7	7.3	6.9	6.6	6.2	5.7	5.3
7.5°	15.2	14.5	13.7	13.0	12.2	11.3	10.5	9.8	9.2	8.6	8.0
10°	20.9	20.0	19.1	18.0	16.9	15.8	14.7	13.5	12.4	11.5	10.6
12.5°	26.2	25.1	24.0	22.8	21.6	20.3	18.9	17.4	16.0	14.5	13.3
15°	31.4	30.1	28.9	27.3	25.9	24.4	22.9	21.3	19.5	17.8	16.0
17.5°	36.5	34.9	33.3	31.7	30.1	28.4	26.7	25.0	23.0	21.0	18.9
20°	41.4	39.5	37.7	35.9	34.1	32.2	30.3	28.4	26.4	24.2	21.8
22.5°	45.9	44.0	41.9	39.9	37.9	35.9	33.8	31.7	29.5	27.3	24.7
25°	49.7	47.8	45.9	43.7	42.1	40.5	38.8	37.1	35.1	33.1	30.7
27.5°	54.2	52.8	51.8	50.6	48.9	47.2	45.4	43.7	41.7	39.5	37.0
30°	61.7	59.6	58.0	56.9	55.6	53.7	51.8	50.0	48.3	45.8	43.4
32.5°	69.1	66.5	64.4	62.8	61.7	60.1	58.1	56.2	54.4	52.1	49.5
35°	76.6	73.3	70.8	68.7	67.4	66.3	64.3	62.2	60.4	58.3	55.6
37.5°	84.0	80.4	76.9	74.7	72.9	71.8	70.4	68.1	66.2	64.4	61.6
40°	91.3	87.1	83.5	80.2	78.4	77.0	76.2	74.0	71.8	70.2	67.6
42.5°	98.4	93.9	89.7	86.2	83.7	82.1	81.3	79.8	77.3	75.8	73.5
45°	105.9	100.1	95.9	92.0	88.6	87.2	86.3	85.5	83.0	81.3	79.4
47.5°	113.3	107.0	101.7	97.8	94.0	92.8	93.6	94.7	94.3	93.5	91.6
50°	120.8	114.3	110.3	108.8	107.5	106.7	107.2	108.2	109.0	108.8	105.5
52.5°	132.9	128.8	125.2	123.0	121.8	120.8	121.0	121.8	123.1	124.6	119.6
55°	145.6	142.3	139.3	136.8	135.9	135.1	134.9	135.3	136.6	139.9	134.1
57.5°	157.0	154.7	152.7	150.5	149.7	149.2	148.7	148.8	149.9	154.4	149.0
60°	167.2	166.0	164.8	163.8	163.2	163.0	162.7	162.3	163.4	168.6	164.1
62.5°	176.7	176.2	176.3	176.3	176.3	176.6	176.6	176.1	176.9	182.4	179.6
65°	185.2	185.6	186.9	188.3	189.1	190.0	190.4	189.9	190.4	196.0	195.2
67.5°	192.6	194.3	196.8	199.6	201.6	203.1	204.0	203.7	203.9	209.3	211.1
70°	199.3	202.2	206.0	209.8	211.9	213.0	213.4	213.0	212.6	215.0	214.5
72.5°	205.5	206.4	209.4	212.9	216.0	217.7	218.5	219.3	219.6	219.7	216.3
75°	210.2	209.4	212.2	215.8	219.9	222.4	223.4	225.2	226.8	225.1	218.1
77.5°	214.9	212.5	215.1	218.7	223.7	227.2	228.2	230.9	234.0	231.2	219.9
80°	219.5	215.7	218.0	221.5	227.3	231.9	233.0	236.4	241.3	237.7	221.7
82.5°	224.1	219.1	221.1	224.3	231.0	236.6	237.7	241.8	248.6	244.6	224.4
85°	228.5	222.6	224.2	227.2	234.6	241.4	242.2	246.9	256.0	252.0	225.3
87.5°	232.8	226.1	227.3	230.1	238.2	246.1	247.0	252.4	263.2	258.6	226.2
90°	236.8	229.7	230.6	233.3	242.1	250.9	251.8	258.0	270.4	265.1	227.1
92.5°	232.8	226.1	227.3	230.1	238.2	246.1	247.0	252.4	263.2	258.6	226.2
95°	228.5	222.6	224.2	227.2	234.6	241.4	242.2	246.9	256.0	252.0	225.3
97.5°	224.1	219.1	221.1	224.3	231.0	236.6	237.7	241.8	248.6	244.6	224.4
100°	219.5	215.7	218.0	221.5	227.3	231.9	233.0	236.4	241.3	237.7	221.7
102.5°	214.9	212.5	215.1	218.7	223.7	227.2	228.2	230.9	234.0	231.2	219.9
105°	210.2	209.4	212.2	215.8	219.9	222.4	223.4	225.2	226.8	225.1	218.1
107.5°	205.5	206.4	209.4	212.9	216.0	217.7	218.5	219.3	219.6	219.7	216.3
110°	199.3	202.2	206.0	209.8	211.9	213.0	213.4	213.0	212.6	215.0	214.5



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	192.6	194.3	196.8	199.6	201.6	203.1	204.0	203.7	203.9	209.3	211.1
115°	185.2	185.6	186.9	188.3	189.1	190.0	190.4	189.9	190.4	196.0	195.2
117.5°	176.7	176.2	176.3	176.3	176.3	176.6	176.6	176.1	176.9	182.4	179.6
120°	167.2	166.0	164.8	163.8	163.2	163.0	162.7	162.3	163.4	168.6	164.1
122.5°	157.0	154.7	152.7	150.5	149.7	149.2	148.7	148.8	149.9	154.4	149.0
125°	145.6	142.3	139.3	136.8	135.9	135.1	134.9	135.3	136.6	139.9	134.1
127.5°	132.9	128.8	125.2	123.0	121.8	120.8	121.0	121.8	123.1	124.6	119.6
130°	120.8	114.3	110.3	108.8	107.5	106.7	107.2	108.2	109.0	108.8	105.5
132.5°	113.3	107.0	101.7	97.8	94.0	92.8	93.6	94.7	94.3	93.5	91.6
135°	105.9	100.1	95.9	92.0	88.6	87.2	86.3	85.5	83.0	81.3	79.4
137.5°	98.4	93.9	89.7	86.2	83.7	82.1	81.3	79.8	77.3	75.8	73.5
140°	91.3	87.1	83.5	80.2	78.4	77.0	76.2	74.0	71.8	70.2	67.6
142.5°	84.0	80.4	76.9	74.7	72.9	71.8	70.4	68.1	66.2	64.4	61.6
145°	76.6	73.3	70.8	68.7	67.4	66.3	64.3	62.2	60.4	58.3	55.6
147.5°	69.1	66.5	64.4	62.8	61.7	60.1	58.1	56.2	54.4	52.1	49.5
150°	61.7	59.6	58.0	56.9	55.6	53.7	51.8	50.0	48.3	45.8	43.4
152.5°	54.2	52.8	51.8	50.6	48.9	47.2	45.4	43.7	41.7	39.5	37.0
155°	49.7	47.8	45.9	43.7	42.1	40.5	38.8	37.1	35.1	33.1	30.7
157.5°	45.9	44.0	41.9	39.9	37.9	35.9	33.8	31.7	29.5	27.3	24.7
160°	41.4	39.5	37.7	35.9	34.1	32.2	30.3	28.4	26.4	24.2	21.8
162.5°	36.5	34.9	33.3	31.7	30.1	28.4	26.7	25.0	23.0	21.0	18.9
165°	31.4	30.1	28.9	27.3	25.9	24.4	22.9	21.3	19.5	17.8	16.0
167.5°	26.2	25.1	24.0	22.8	21.6	20.3	18.9	17.4	16.0	14.5	13.3
170°	20.9	20.0	19.1	18.0	16.9	15.8	14.7	13.5	12.4	11.5	10.6
172.5°	15.2	14.5	13.7	13.0	12.2	11.3	10.5	9.8	9.2	8.6	8.0
175°	9.3	8.9	8.4	8.0	7.7	7.3	6.9	6.6	6.2	5.7	5.3
177.5°	4.5	4.3	4.2	4.0	3.8	3.7	3.5	3.3	3.1	2.9	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: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	2.4	2.2	2.0	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
5°	4.9	4.4	4.0	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4
7.5°	7.3	6.7	6.0	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1
10°	9.8	8.9	8.0	7.1	7.1	7.0	7.0	7.0	6.9	6.8	6.7
12.5°	12.2	11.1	10.0	8.8	8.8	8.8	8.8	8.7	8.6	8.5	8.4
15°	14.6	13.3	12.0	10.6	10.6	10.6	10.5	10.4	10.4	10.3	10.1
17.5°	17.0	15.5	13.9	12.4	12.4	12.3	12.3	12.2	12.1	12.0	11.8
20°	19.5	17.7	15.9	14.1	14.1	14.1	14.0	13.9	13.8	13.7	13.5
22.5°	22.1	19.9	17.9	15.9	15.9	15.8	15.8	15.7	15.6	15.4	15.2
25°	28.1	25.6	23.7	21.6	21.7	21.6	21.5	21.3	20.9	20.2	19.4
27.5°	34.2	31.4	29.4	27.3	27.5	27.6	27.6	27.5	26.9	26.1	25.0
30°	40.3	37.2	35.1	33.0	33.4	33.6	33.8	33.8	32.9	31.8	30.2
32.5°	46.4	43.1	40.8	38.7	39.2	39.7	40.0	39.9	38.7	37.1	34.9
35°	52.4	48.9	46.5	44.3	45.1	45.8	46.3	45.9	44.5	42.1	39.4
37.5°	58.4	54.8	52.1	50.0	51.1	52.0	52.7	51.8	50.2	46.8	43.2
40°	64.4	60.6	57.8	55.7	57.0	58.2	59.2	57.7	55.1	51.2	46.6
42.5°	70.3	66.4	63.4	61.4	63.0	64.4	65.6	63.5	60.0	55.4	49.7
45°	76.1	72.1	68.9	67.1	68.9	70.6	71.6	69.2	64.6	58.8	52.3
47.5°	87.1	81.4	76.1	72.4	72.8	73.5	73.4	70.7	65.6	59.8	53.5
50°	99.0	91.1	83.5	77.7	76.6	76.0	74.6	71.0	65.4	59.4	53.5
52.5°	111.3	101.1	90.9	83.0	80.2	78.4	75.6	71.1	65.2	59.2	53.8
55°	124.0	111.4	98.5	88.3	83.7	80.6	76.6	71.2	65.1	59.3	54.4
57.5°	137.0	121.9	106.2	93.7	87.2	82.7	77.5	71.3	65.1	59.6	55.4
60°	150.3	132.5	113.9	99.0	90.5	84.7	78.2	71.5	65.3	60.4	56.8
62.5°	163.8	143.4	121.8	104.3	93.8	86.5	78.9	71.7	65.7	61.4	58.8
65°	177.5	154.4	129.7	109.6	97.0	88.3	79.6	71.9	66.2	62.6	61.0
67.5°	191.4	165.5	137.7	114.9	100.2	90.0	80.2	72.2	66.9	64.0	63.5
70°	192.6	165.3	137.0	114.3	99.4	89.1	79.4	71.5	66.4	64.0	64.3
72.5°	192.8	164.6	136.2	113.7	98.6	88.2	78.6	70.7	65.7	63.4	63.8
75°	192.8	163.8	136.1	113.1	97.8	87.4	77.9	70.0	65.1	62.9	63.3
77.5°	192.7	162.9	134.9	112.5	97.0	86.6	77.3	69.4	64.4	62.4	62.7
80°	192.5	162.7	133.7	112.0	96.3	85.8	76.7	68.8	63.8	61.9	62.0
82.5°	193.0	161.1	132.5	111.4	95.6	85.1	76.2	68.3	63.2	61.4	61.4
85°	192.0	159.5	131.4	110.8	94.9	84.4	75.8	67.8	62.7	60.9	60.7
87.5°	191.0	158.0	130.2	110.2	94.3	83.7	75.4	67.4	62.2	60.5	59.9
90°	190.0	156.4	129.0	109.6	93.7	83.1	75.1	67.1	61.8	60.1	59.2
92.5°	191.0	158.0	130.2	110.2	94.3	83.7	75.4	67.4	62.2	60.5	59.9
95°	192.0	159.5	131.4	110.8	94.9	84.4	75.8	67.8	62.7	60.9	60.7
97.5°	193.0	161.1	132.5	111.4	95.6	85.1	76.2	68.3	63.2	61.4	61.4
100°	192.5	162.7	133.7	112.0	96.3	85.8	76.7	68.8	63.8	61.9	62.0
102.5°	192.7	162.9	134.9	112.5	97.0	86.6	77.3	69.4	64.4	62.4	62.7
105°	192.8	163.8	136.1	113.1	97.8	87.4	77.9	70.0	65.1	62.9	63.3
107.5°	192.8	164.6	136.2	113.7	98.6	88.2	78.6	70.7	65.7	63.4	63.8
110°	192.6	165.3	137.0	114.3	99.4	89.1	79.4	71.5	66.4	64.0	64.3



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	191.4	165.5	137.7	114.9	100.2	90.0	80.2	72.2	66.9	64.0	63.5
115°	177.5	154.4	129.7	109.6	97.0	88.3	79.6	71.9	66.2	62.6	61.0
117.5°	163.8	143.4	121.8	104.3	93.8	86.5	78.9	71.7	65.7	61.4	58.8
120°	150.3	132.5	113.9	99.0	90.5	84.7	78.2	71.5	65.3	60.4	56.8
122.5°	137.0	121.9	106.2	93.7	87.2	82.7	77.5	71.3	65.1	59.6	55.4
125°	124.0	111.4	98.5	88.3	83.7	80.6	76.6	71.2	65.1	59.3	54.4
127.5°	111.3	101.1	90.9	83.0	80.2	78.4	75.6	71.1	65.2	59.2	53.8
130°	99.0	91.1	83.5	77.7	76.6	76.0	74.6	71.0	65.4	59.4	53.5
132.5°	87.1	81.4	76.1	72.4	72.8	73.5	73.4	70.7	65.6	59.8	53.5
135°	76.1	72.1	68.9	67.1	68.9	70.6	71.6	69.2	64.6	58.8	52.3
137.5°	70.3	66.4	63.4	61.4	63.0	64.4	65.6	63.5	60.0	55.4	49.7
140°	64.4	60.6	57.8	55.7	57.0	58.2	59.2	57.7	55.1	51.2	46.6
142.5°	58.4	54.8	52.1	50.0	51.1	52.0	52.7	51.8	50.2	46.8	43.2
145°	52.4	48.9	46.5	44.3	45.1	45.8	46.3	45.9	44.5	42.1	39.4
147.5°	46.4	43.1	40.8	38.7	39.2	39.7	40.0	39.9	38.7	37.1	34.9
150°	40.3	37.2	35.1	33.0	33.4	33.6	33.8	33.8	32.9	31.8	30.2
152.5°	34.2	31.4	29.4	27.3	27.5	27.6	27.6	27.5	26.9	26.1	25.0
155°	28.1	25.6	23.7	21.6	21.7	21.6	21.5	21.3	20.9	20.2	19.4
157.5°	22.1	19.9	17.9	15.9	15.9	15.8	15.8	15.7	15.6	15.4	15.2
160°	19.5	17.7	15.9	14.1	14.1	14.1	14.0	13.9	13.8	13.7	13.5
162.5°	17.0	15.5	13.9	12.4	12.4	12.3	12.3	12.2	12.1	12.0	11.8
165°	14.6	13.3	12.0	10.6	10.6	10.6	10.5	10.4	10.4	10.3	10.1
167.5°	12.2	11.1	10.0	8.8	8.8	8.8	8.8	8.7	8.6	8.5	8.4
170°	9.8	8.9	8.0	7.1	7.1	7.0	7.0	7.0	6.9	6.8	6.7
172.5°	7.3	6.7	6.0	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1
175°	4.9	4.4	4.0	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4
177.5°	2.4	2.2	2.0	1.8	1.8	1.8	1.8	1.7	1.7	1.7	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: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.2
5°	3.3	3.3	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5
7.5°	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8
10°	6.6	6.5	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0
12.5°	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.0	6.8	6.6	6.3
15°	10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.2	7.9	7.6
17.5°	11.7	11.5	11.3	11.0	10.8	10.5	10.2	9.9	9.6	9.2	8.9
20°	13.3	13.1	12.9	12.6	12.4	12.1	11.7	11.4	11.0	10.6	10.2
22.5°	15.0	14.8	14.5	14.3	13.9	13.6	13.2	12.9	12.4	12.0	11.4
25°	18.6	17.6	16.7	15.9	15.5	15.2	14.8	14.3	13.7	12.9	12.2
27.5°	23.7	22.4	21.1	19.8	18.7	17.6	16.5	15.4	14.6	14.0	13.5
30°	28.5	26.6	24.8	23.1	21.6	20.1	18.7	17.4	16.4	15.5	14.6
32.5°	32.6	30.2	27.9	25.8	23.9	22.1	20.5	19.3	18.1	16.8	15.6
35°	36.2	33.2	30.5	28.0	25.8	23.8	22.2	20.6	19.1	17.8	16.9
37.5°	39.4	35.8	32.5	29.9	27.4	25.3	23.4	21.6	20.2	19.0	17.9
40°	42.1	37.9	34.4	31.5	28.8	26.3	24.3	22.6	21.2	19.9	18.6
42.5°	44.5	39.6	36.1	32.8	29.8	27.3	25.2	23.6	22.1	20.7	19.5
45°	46.5	41.5	37.6	33.9	30.7	28.2	26.2	24.5	22.9	21.6	20.3
47.5°	47.7	43.2	38.9	34.7	31.7	29.2	27.0	25.4	23.8	22.3	21.1
50°	48.1	44.4	40.5	36.7	33.3	30.2	28.0	26.2	24.5	23.2	21.9
52.5°	49.4	46.2	42.8	39.8	36.9	33.9	30.9	28.0	25.3	24.1	22.9
55°	51.1	48.5	45.7	43.3	40.7	37.7	34.5	31.3	28.7	26.2	24.1
57.5°	53.1	51.2	49.3	47.3	44.9	41.4	37.9	34.7	31.7	28.8	26.3
60°	55.5	54.4	53.1	51.4	48.8	45.0	41.3	37.8	34.3	31.1	28.2
62.5°	58.3	58.0	57.3	55.8	52.6	48.6	44.6	40.6	36.5	33.0	29.4
65°	61.4	61.9	61.8	60.4	56.4	52.1	47.7	43.1	38.6	34.6	30.5
67.5°	64.8	66.0	66.3	64.8	60.2	55.6	50.6	45.3	40.4	35.9	31.7
70°	66.3	68.6	69.7	68.6	64.0	59.0	53.4	47.3	42.1	37.0	32.8
72.5°	65.9	68.3	69.5	68.2	64.7	60.4	55.0	49.0	43.6	38.2	33.7
75°	65.4	68.0	69.5	68.2	65.3	61.2	55.8	50.1	44.7	39.4	34.7
77.5°	64.9	67.8	69.5	68.6	66.2	62.2	56.8	51.4	46.0	40.6	35.8
80°	64.4	67.5	69.5	69.1	67.4	63.4	58.1	52.9	47.6	41.9	37.0
82.5°	63.8	67.3	69.6	69.8	68.7	64.8	59.7	54.7	49.3	43.3	38.4
85°	63.2	67.0	69.7	70.7	70.2	66.3	61.4	56.6	51.2	44.9	39.8
87.5°	62.5	66.7	69.8	71.6	71.7	68.0	63.3	58.7	53.4	46.6	41.5
90°	61.8	66.3	69.8	72.5	73.3	69.8	65.4	61.0	55.7	48.6	43.3
92.5°	62.5	66.7	69.8	71.6	71.7	68.0	63.3	58.7	53.4	46.6	41.5
95°	63.2	67.0	69.7	70.7	70.2	66.3	61.4	56.6	51.2	44.9	39.8
97.5°	63.8	67.3	69.6	69.8	68.7	64.8	59.7	54.7	49.3	43.3	38.4
100°	64.4	67.5	69.5	69.1	67.4	63.4	58.1	52.9	47.6	41.9	37.0
102.5°	64.9	67.8	69.5	68.6	66.2	62.2	56.8	51.4	46.0	40.6	35.8
105°	65.4	68.0	69.5	68.2	65.3	61.2	55.8	50.1	44.7	39.4	34.7
107.5°	65.9	68.3	69.5	68.2	64.7	60.4	55.0	49.0	43.6	38.2	33.7
110°	66.3	68.6	69.7	68.6	64.0	59.0	53.4	47.3	42.1	37.0	32.8



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	64.8	66.0	66.3	64.8	60.2	55.6	50.6	45.3	40.4	35.9	31.7
115°	61.4	61.9	61.8	60.4	56.4	52.1	47.7	43.1	38.6	34.6	30.5
117.5°	58.3	58.0	57.3	55.8	52.6	48.6	44.6	40.6	36.5	33.0	29.4
120°	55.5	54.4	53.1	51.4	48.8	45.0	41.3	37.8	34.3	31.1	28.2
122.5°	53.1	51.2	49.3	47.3	44.9	41.4	37.9	34.7	31.7	28.8	26.3
125°	51.1	48.5	45.7	43.3	40.7	37.7	34.5	31.3	28.7	26.2	24.1
127.5°	49.4	46.2	42.8	39.8	36.9	33.9	30.9	28.0	25.3	24.1	22.9
130°	48.1	44.4	40.5	36.7	33.3	30.2	28.0	26.2	24.5	23.2	21.9
132.5°	47.7	43.2	38.9	34.7	31.7	29.2	27.0	25.4	23.8	22.3	21.1
135°	46.5	41.5	37.6	33.9	30.7	28.2	26.2	24.5	22.9	21.6	20.3
137.5°	44.5	39.6	36.1	32.8	29.8	27.3	25.2	23.6	22.1	20.7	19.5
140°	42.1	37.9	34.4	31.5	28.8	26.3	24.3	22.6	21.2	19.9	18.6
142.5°	39.4	35.8	32.5	29.9	27.4	25.3	23.4	21.6	20.2	19.0	17.9
145°	36.2	33.2	30.5	28.0	25.8	23.8	22.2	20.6	19.1	17.8	16.9
147.5°	32.6	30.2	27.9	25.8	23.9	22.1	20.5	19.3	18.1	16.8	15.6
150°	28.5	26.6	24.8	23.1	21.6	20.1	18.7	17.4	16.4	15.5	14.6
152.5°	23.7	22.4	21.1	19.8	18.7	17.6	16.5	15.4	14.6	14.0	13.5
155°	18.6	17.6	16.7	15.9	15.5	15.2	14.8	14.3	13.7	12.9	12.2
157.5°	15.0	14.8	14.5	14.3	13.9	13.6	13.2	12.9	12.4	12.0	11.4
160°	13.3	13.1	12.9	12.6	12.4	12.1	11.7	11.4	11.0	10.6	10.2
162.5°	11.7	11.5	11.3	11.0	10.8	10.5	10.2	9.9	9.6	9.2	8.9
165°	10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.2	7.9	7.6
167.5°	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.0	6.8	6.6	6.3
170°	6.6	6.5	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0
172.5°	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8
175°	3.3	3.3	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5
177.5°	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5
5°	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.2	1.1
7.5°	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.0	1.8	1.6
10°	4.8	4.6	4.3	4.1	3.8	3.6	3.3	3.0	2.7	2.4	2.1
12.5°	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8	3.4	3.1	2.7
15°	7.3	6.9	6.5	6.2	5.8	5.4	5.0	4.6	4.1	3.7	3.3
17.5°	8.5	8.1	7.7	7.2	6.8	6.3	5.8	5.3	4.7	4.2	3.7
20°	9.8	9.3	8.7	8.1	7.5	6.9	6.4	5.8	5.3	4.7	4.2
22.5°	10.7	10.0	9.4	8.9	8.4	7.8	7.2	6.6	5.9	5.2	4.6
25°	11.7	11.1	10.6	9.9	9.2	8.4	7.7	7.0	6.3	5.7	5.0
27.5°	12.9	12.1	11.3	10.5	9.8	9.1	8.5	7.8	7.0	6.2	5.4
30°	13.6	12.8	12.1	11.5	10.8	9.9	9.1	8.2	7.4	6.6	5.8
32.5°	14.7	14.0	13.2	12.3	11.3	10.4	9.7	8.9	8.1	7.2	6.3
35°	16.0	14.9	13.8	12.9	12.2	11.4	10.4	9.4	8.4	7.4	6.4
37.5°	16.7	15.6	14.8	14.0	12.9	11.8	10.7	9.6	8.6	7.5	6.6
40°	17.5	16.6	15.6	14.4	13.2	12.1	10.9	10.0	9.1	8.2	7.2
42.5°	18.4	17.3	16.1	14.9	13.6	12.6	11.7	10.7	9.5	8.4	7.3
45°	19.1	17.9	16.7	15.5	14.5	13.5	12.1	10.8	9.9	8.9	7.9
47.5°	19.9	18.6	17.5	16.4	15.1	13.6	12.5	11.6	10.5	9.2	7.9
50°	20.7	19.5	18.4	16.8	15.3	14.3	13.2	11.9	10.6	9.6	8.5
52.5°	21.7	20.4	18.7	17.2	16.1	14.8	13.5	12.2	11.2	10.2	9.2
55°	22.6	20.8	19.2	17.9	16.6	15.2	13.9	12.8	11.9	10.8	9.5
57.5°	23.8	21.3	19.9	18.6	17.1	15.5	14.5	13.6	12.1	10.6	9.3
60°	25.0	22.8	20.9	19.2	17.3	16.2	15.3	13.6	12.1	10.7	9.3
62.5°	26.3	23.9	21.8	19.6	18.0	17.2	15.2	13.7	12.3	10.6	9.0
65°	27.4	24.8	22.4	20.1	18.9	17.0	15.5	14.0	12.1	10.4	8.7
67.5°	28.4	25.6	22.7	20.7	18.7	16.8	15.4	13.8	11.9	10.1	8.4
70°	29.3	26.1	23.2	20.9	18.5	16.5	14.8	13.1	11.4	9.7	7.9
72.5°	30.0	26.6	23.5	20.8	18.3	16.1	14.3	12.3	10.7	9.1	7.5
75°	30.8	27.0	23.6	20.8	17.8	15.8	13.7	11.7	10.0	8.4	6.7
77.5°	31.6	27.5	23.9	20.6	17.4	15.5	13.1	11.3	9.5	7.8	6.3
80°	32.5	28.1	24.2	20.5	17.3	14.9	12.6	11.0	9.2	7.5	5.9
82.5°	33.4	28.8	24.6	20.4	17.1	14.3	12.0	10.2	8.6	7.1	5.4
85°	34.4	29.6	25.1	20.4	16.9	13.8	11.4	9.6	8.0	6.5	5.1
87.5°	35.6	30.6	25.7	20.7	16.7	13.4	10.9	9.1	7.4	6.3	5.1
90°	37.1	31.8	26.5	21.2	16.8	13.3	10.6	8.8	7.1	6.2	5.3
92.5°	35.6	30.6	25.7	20.7	16.7	13.4	10.9	9.1	7.4	6.3	5.1
95°	34.4	29.6	25.1	20.4	16.9	13.8	11.4	9.6	8.0	6.5	5.1
97.5°	33.4	28.8	24.6	20.4	17.1	14.3	12.0	10.2	8.6	7.1	5.4
100°	32.5	28.1	24.2	20.5	17.3	14.9	12.6	11.0	9.2	7.5	5.9
102.5°	31.6	27.5	23.9	20.6	17.4	15.5	13.1	11.3	9.5	7.8	6.3
105°	30.8	27.0	23.6	20.8	17.8	15.8	13.7	11.7	10.0	8.4	6.7
107.5°	30.0	26.6	23.5	20.8	18.3	16.1	14.3	12.3	10.7	9.1	7.5
110°	29.3	26.1	23.2	20.9	18.5	16.5	14.8	13.1	11.4	9.7	7.9



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	28.4	25.6	22.7	20.7	18.7	16.8	15.4	13.8	11.9	10.1	8.4
115°	27.4	24.8	22.4	20.1	18.9	17.0	15.5	14.0	12.1	10.4	8.7
117.5°	26.3	23.9	21.8	19.6	18.0	17.2	15.2	13.7	12.3	10.6	9.0
120°	25.0	22.8	20.9	19.2	17.3	16.2	15.3	13.6	12.1	10.7	9.3
122.5°	23.8	21.3	19.9	18.6	17.1	15.5	14.5	13.6	12.1	10.6	9.3
125°	22.6	20.8	19.2	17.9	16.6	15.2	13.9	12.8	11.9	10.8	9.5
127.5°	21.7	20.4	18.7	17.2	16.1	14.8	13.5	12.2	11.2	10.2	9.2
130°	20.7	19.5	18.4	16.8	15.3	14.3	13.2	11.9	10.6	9.6	8.5
132.5°	19.9	18.6	17.5	16.4	15.1	13.6	12.5	11.6	10.5	9.2	7.9
135°	19.1	17.9	16.7	15.5	14.5	13.5	12.1	10.8	9.9	8.9	7.9
137.5°	18.4	17.3	16.1	14.9	13.6	12.6	11.7	10.7	9.5	8.4	7.3
140°	17.5	16.6	15.6	14.4	13.2	12.1	10.9	10.0	9.1	8.2	7.2
142.5°	16.7	15.6	14.8	14.0	12.9	11.8	10.7	9.6	8.6	7.5	6.6
145°	16.0	14.9	13.8	12.9	12.2	11.4	10.4	9.4	8.4	7.4	6.4
147.5°	14.7	14.0	13.2	12.3	11.3	10.4	9.7	8.9	8.1	7.2	6.3
150°	13.6	12.8	12.1	11.5	10.8	9.9	9.1	8.2	7.4	6.6	5.8
152.5°	12.9	12.1	11.3	10.5	9.8	9.1	8.5	7.8	7.0	6.2	5.4
155°	11.7	11.1	10.6	9.9	9.2	8.4	7.7	7.0	6.3	5.7	5.0
157.5°	10.7	10.0	9.4	8.9	8.4	7.8	7.2	6.6	5.9	5.2	4.6
160°	9.8	9.3	8.7	8.1	7.5	6.9	6.4	5.8	5.3	4.7	4.2
162.5°	8.5	8.1	7.7	7.2	6.8	6.3	5.8	5.3	4.7	4.2	3.7
165°	7.3	6.9	6.5	6.2	5.8	5.4	5.0	4.6	4.1	3.7	3.3
167.5°	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8	3.4	3.1	2.7
170°	4.8	4.6	4.3	4.1	3.8	3.6	3.3	3.0	2.7	2.4	2.1
172.5°	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.0	1.8	1.6
175°	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.2	1.1
177.5°	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	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: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.3
5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
7.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
10°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
12.5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
15°	2.8	2.3	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
17.5°	3.2	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
20°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
22.5°	3.9	3.3	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
25°	4.3	3.6	2.9	2.2	1.5	0.7	0.0	0.7	1.5	2.2	2.9
27.5°	4.6	3.9	3.1	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.1
30°	5.0	4.2	3.4	2.5	1.7	0.9	0.0	0.9	1.7	2.5	3.4
32.5°	5.3	4.4	3.5	2.6	1.8	0.9	0.0	0.9	1.8	2.6	3.5
35°	5.5	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
37.5°	5.7	4.8	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
40°	6.1	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
42.5°	6.3	5.3	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
45°	6.7	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
47.5°	6.8	5.7	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
50°	7.4	6.2	5.0	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.0
52.5°	8.0	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
55°	8.0	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
57.5°	8.0	6.5	5.1	3.8	2.5	1.2	0.0	1.2	2.5	3.8	5.1
60°	7.8	6.4	5.0	3.7	2.4	1.2	0.0	1.2	2.4	3.7	5.0
62.5°	7.6	6.2	4.8	3.5	2.3	1.1	0.0	1.1	2.3	3.5	4.8
65°	7.2	5.9	4.6	3.3	2.1	1.1	0.0	1.1	2.1	3.3	4.6
67.5°	6.8	5.5	4.3	3.0	1.9	0.9	0.0	0.9	1.9	3.0	4.3
70°	6.4	5.0	3.8	2.7	1.7	0.8	0.0	0.8	1.7	2.7	3.8
72.5°	5.8	4.6	3.5	2.3	1.4	0.7	0.0	0.7	1.4	2.3	3.5
75°	5.6	4.2	2.8	2.0	1.4	0.7	0.0	0.7	1.4	2.0	2.8
77.5°	5.1	3.5	2.6	1.7	0.7	0.1	0.0	0.1	0.7	1.7	2.6
80°	4.3	3.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
82.5°	3.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.3	3.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
102.5°	5.1	3.5	2.6	1.7	0.7	0.1	0.0	0.1	0.7	1.7	2.6
105°	5.6	4.2	2.8	2.0	1.4	0.7	0.0	0.7	1.4	2.0	2.8
107.5°	5.8	4.6	3.5	2.3	1.4	0.7	0.0	0.7	1.4	2.3	3.5
110°	6.4	5.0	3.8	2.7	1.7	0.8	0.0	0.8	1.7	2.7	3.8



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	6.8	5.5	4.3	3.0	1.9	0.9	0.0	0.9	1.9	3.0	4.3
115°	7.2	5.9	4.6	3.3	2.1	1.1	0.0	1.1	2.1	3.3	4.6
117.5°	7.6	6.2	4.8	3.5	2.3	1.1	0.0	1.1	2.3	3.5	4.8
120°	7.8	6.4	5.0	3.7	2.4	1.2	0.0	1.2	2.4	3.7	5.0
122.5°	8.0	6.5	5.1	3.8	2.5	1.2	0.0	1.2	2.5	3.8	5.1
125°	8.0	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
127.5°	8.0	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
130°	7.4	6.2	5.0	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.0
132.5°	6.8	5.7	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
135°	6.7	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
137.5°	6.3	5.3	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
140°	6.1	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
142.5°	5.7	4.8	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
145°	5.5	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
147.5°	5.3	4.4	3.5	2.6	1.8	0.9	0.0	0.9	1.8	2.6	3.5
150°	5.0	4.2	3.4	2.5	1.7	0.9	0.0	0.9	1.7	2.5	3.4
152.5°	4.6	3.9	3.1	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.1
155°	4.3	3.6	2.9	2.2	1.5	0.7	0.0	0.7	1.5	2.2	2.9
157.5°	3.9	3.3	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
160°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
162.5°	3.2	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
165°	2.8	2.3	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
167.5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
170°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
172.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
175°	0.9	0.8	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
177.5°	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.1	0.2	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: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.1
5°	0.8	0.9	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.2
7.5°	1.2	1.4	1.6	1.8	2.0	2.3	2.5	2.7	2.9	3.1	3.2
10°	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.8	4.1	4.3
12.5°	1.9	2.3	2.7	3.1	3.4	3.8	4.1	4.5	4.8	5.1	5.4
15°	2.3	2.8	3.3	3.7	4.1	4.6	5.0	5.4	5.8	6.2	6.5
17.5°	2.6	3.2	3.7	4.2	4.7	5.3	5.8	6.3	6.8	7.2	7.7
20°	3.0	3.6	4.2	4.7	5.3	5.8	6.4	6.9	7.5	8.1	8.7
22.5°	3.3	3.9	4.6	5.2	5.9	6.6	7.2	7.8	8.4	8.9	9.4
25°	3.6	4.3	5.0	5.7	6.3	7.0	7.7	8.4	9.2	9.9	10.6
27.5°	3.9	4.6	5.4	6.2	7.0	7.8	8.5	9.1	9.8	10.5	11.3
30°	4.2	5.0	5.8	6.6	7.4	8.2	9.1	9.9	10.8	11.5	12.1
32.5°	4.4	5.3	6.3	7.2	8.1	8.9	9.7	10.4	11.3	12.3	13.2
35°	4.5	5.5	6.4	7.4	8.4	9.4	10.4	11.4	12.2	12.9	13.8
37.5°	4.8	5.7	6.6	7.5	8.6	9.6	10.7	11.8	12.9	14.0	14.8
40°	5.0	6.1	7.2	8.2	9.1	10.0	10.9	12.1	13.2	14.4	15.6
42.5°	5.3	6.3	7.3	8.4	9.5	10.7	11.7	12.6	13.6	14.9	16.1
45°	5.5	6.7	7.9	8.9	9.9	10.8	12.1	13.5	14.5	15.5	16.7
47.5°	5.7	6.8	7.9	9.2	10.5	11.6	12.5	13.6	15.1	16.4	17.5
50°	6.2	7.4	8.5	9.6	10.6	11.9	13.2	14.3	15.3	16.8	18.4
52.5°	6.6	8.0	9.2	10.2	11.2	12.2	13.5	14.8	16.1	17.2	18.7
55°	6.6	8.0	9.5	10.8	11.9	12.8	13.9	15.2	16.6	17.9	19.2
57.5°	6.5	8.0	9.3	10.6	12.1	13.6	14.5	15.5	17.1	18.6	19.9
60°	6.4	7.8	9.3	10.7	12.1	13.6	15.3	16.2	17.3	19.2	20.9
62.5°	6.2	7.6	9.0	10.6	12.3	13.7	15.2	17.2	18.0	19.6	21.8
65°	5.9	7.2	8.7	10.4	12.1	14.0	15.5	17.0	18.9	20.1	22.4
67.5°	5.5	6.8	8.4	10.1	11.9	13.8	15.4	16.8	18.7	20.7	22.7
70°	5.0	6.4	7.9	9.7	11.4	13.1	14.8	16.5	18.5	20.9	23.2
72.5°	4.6	5.8	7.5	9.1	10.7	12.3	14.3	16.1	18.3	20.8	23.5
75°	4.2	5.6	6.7	8.4	10.0	11.7	13.7	15.8	17.8	20.8	23.6
77.5°	3.5	5.1	6.3	7.8	9.5	11.3	13.1	15.5	17.4	20.6	23.9
80°	3.1	4.3	5.9	7.5	9.2	11.0	12.6	14.9	17.3	20.5	24.2
82.5°	2.2	3.8	5.4	7.1	8.6	10.2	12.0	14.3	17.1	20.4	24.6
85°	1.0	3.4	5.1	6.5	8.0	9.6	11.4	13.8	16.9	20.4	25.1
87.5°	0.3	3.3	5.1	6.3	7.4	9.1	10.9	13.4	16.7	20.7	25.7
90°	0.0	3.5	5.3	6.2	7.1	8.8	10.6	13.3	16.8	21.2	26.5
92.5°	0.3	3.3	5.1	6.3	7.4	9.1	10.9	13.4	16.7	20.7	25.7
95°	1.0	3.4	5.1	6.5	8.0	9.6	11.4	13.8	16.9	20.4	25.1
97.5°	2.2	3.8	5.4	7.1	8.6	10.2	12.0	14.3	17.1	20.4	24.6
100°	3.1	4.3	5.9	7.5	9.2	11.0	12.6	14.9	17.3	20.5	24.2
102.5°	3.5	5.1	6.3	7.8	9.5	11.3	13.1	15.5	17.4	20.6	23.9
105°	4.2	5.6	6.7	8.4	10.0	11.7	13.7	15.8	17.8	20.8	23.6
107.5°	4.6	5.8	7.5	9.1	10.7	12.3	14.3	16.1	18.3	20.8	23.5
110°	5.0	6.4	7.9	9.7	11.4	13.1	14.8	16.5	18.5	20.9	23.2



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	5.5	6.8	8.4	10.1	11.9	13.8	15.4	16.8	18.7	20.7	22.7
115°	5.9	7.2	8.7	10.4	12.1	14.0	15.5	17.0	18.9	20.1	22.4
117.5°	6.2	7.6	9.0	10.6	12.3	13.7	15.2	17.2	18.0	19.6	21.8
120°	6.4	7.8	9.3	10.7	12.1	13.6	15.3	16.2	17.3	19.2	20.9
122.5°	6.5	8.0	9.3	10.6	12.1	13.6	14.5	15.5	17.1	18.6	19.9
125°	6.6	8.0	9.5	10.8	11.9	12.8	13.9	15.2	16.6	17.9	19.2
127.5°	6.6	8.0	9.2	10.2	11.2	12.2	13.5	14.8	16.1	17.2	18.7
130°	6.2	7.4	8.5	9.6	10.6	11.9	13.2	14.3	15.3	16.8	18.4
132.5°	5.7	6.8	7.9	9.2	10.5	11.6	12.5	13.6	15.1	16.4	17.5
135°	5.5	6.7	7.9	8.9	9.9	10.8	12.1	13.5	14.5	15.5	16.7
137.5°	5.3	6.3	7.3	8.4	9.5	10.7	11.7	12.6	13.6	14.9	16.1
140°	5.0	6.1	7.2	8.2	9.1	10.0	10.9	12.1	13.2	14.4	15.6
142.5°	4.8	5.7	6.6	7.5	8.6	9.6	10.7	11.8	12.9	14.0	14.8
145°	4.5	5.5	6.4	7.4	8.4	9.4	10.4	11.4	12.2	12.9	13.8
147.5°	4.4	5.3	6.3	7.2	8.1	8.9	9.7	10.4	11.3	12.3	13.2
150°	4.2	5.0	5.8	6.6	7.4	8.2	9.1	9.9	10.8	11.5	12.1
152.5°	3.9	4.6	5.4	6.2	7.0	7.8	8.5	9.1	9.8	10.5	11.3
155°	3.6	4.3	5.0	5.7	6.3	7.0	7.7	8.4	9.2	9.9	10.6
157.5°	3.3	3.9	4.6	5.2	5.9	6.6	7.2	7.8	8.4	8.9	9.4
160°	3.0	3.6	4.2	4.7	5.3	5.8	6.4	6.9	7.5	8.1	8.7
162.5°	2.6	3.2	3.7	4.2	4.7	5.3	5.8	6.3	6.8	7.2	7.7
165°	2.3	2.8	3.3	3.7	4.1	4.6	5.0	5.4	5.8	6.2	6.5
167.5°	1.9	2.3	2.7	3.1	3.4	3.8	4.1	4.5	4.8	5.1	5.4
170°	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.8	4.1	4.3
172.5°	1.2	1.4	1.6	1.8	2.0	2.3	2.5	2.7	2.9	3.1	3.2
175°	0.8	0.9	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.2
177.5°	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	0.9	1.0	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: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	1.1	1.2	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6
5°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2
7.5°	3.4	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.7	4.8
10°	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4
12.5°	5.7	6.0	6.3	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.0
15°	6.9	7.3	7.6	7.9	8.2	8.5	8.7	9.0	9.2	9.4	9.6
17.5°	8.1	8.5	8.9	9.2	9.6	9.9	10.2	10.5	10.8	11.0	11.3
20°	9.3	9.8	10.2	10.6	11.0	11.4	11.7	12.1	12.4	12.6	12.9
22.5°	10.0	10.7	11.4	12.0	12.4	12.9	13.2	13.6	13.9	14.3	14.5
25°	11.1	11.7	12.2	12.9	13.7	14.3	14.8	15.2	15.5	15.9	16.7
27.5°	12.1	12.9	13.5	14.0	14.6	15.4	16.5	17.6	18.7	19.8	21.1
30°	12.8	13.6	14.6	15.5	16.4	17.4	18.7	20.1	21.6	23.1	24.8
32.5°	14.0	14.7	15.6	16.8	18.1	19.3	20.5	22.1	23.9	25.8	27.9
35°	14.9	16.0	16.9	17.8	19.1	20.6	22.2	23.8	25.8	28.0	30.5
37.5°	15.6	16.7	17.9	19.0	20.2	21.6	23.4	25.3	27.4	29.9	32.5
40°	16.6	17.5	18.6	19.9	21.2	22.6	24.3	26.3	28.8	31.5	34.4
42.5°	17.3	18.4	19.5	20.7	22.1	23.6	25.2	27.3	29.8	32.8	36.1
45°	17.9	19.1	20.3	21.6	22.9	24.5	26.2	28.2	30.7	33.9	37.6
47.5°	18.6	19.9	21.1	22.3	23.8	25.4	27.0	29.2	31.7	34.7	38.9
50°	19.5	20.7	21.9	23.2	24.5	26.2	28.0	30.2	33.3	36.7	40.5
52.5°	20.4	21.7	22.9	24.1	25.3	28.0	30.9	33.9	36.9	39.8	42.8
55°	20.8	22.6	24.1	26.2	28.7	31.3	34.5	37.7	40.7	43.3	45.7
57.5°	21.3	23.8	26.3	28.8	31.7	34.7	37.9	41.4	44.9	47.3	49.3
60°	22.8	25.0	28.2	31.1	34.3	37.8	41.3	45.0	48.8	51.4	53.1
62.5°	23.9	26.3	29.4	33.0	36.5	40.6	44.6	48.6	52.6	55.8	57.3
65°	24.8	27.4	30.5	34.6	38.6	43.1	47.7	52.1	56.4	60.4	61.8
67.5°	25.6	28.4	31.7	35.9	40.4	45.3	50.6	55.6	60.2	64.8	66.3
70°	26.1	29.3	32.8	37.0	42.1	47.3	53.4	59.0	64.0	68.6	69.7
72.5°	26.6	30.0	33.7	38.2	43.6	49.0	55.0	60.4	64.7	68.2	69.5
75°	27.0	30.8	34.7	39.4	44.7	50.1	55.8	61.2	65.3	68.2	69.5
77.5°	27.5	31.6	35.8	40.6	46.0	51.4	56.8	62.2	66.2	68.6	69.5
80°	28.1	32.5	37.0	41.9	47.6	52.9	58.1	63.4	67.4	69.1	69.5
82.5°	28.8	33.4	38.4	43.3	49.3	54.7	59.7	64.8	68.7	69.8	69.6
85°	29.6	34.4	39.8	44.9	51.2	56.6	61.4	66.3	70.2	70.7	69.7
87.5°	30.6	35.6	41.5	46.6	53.4	58.7	63.3	68.0	71.7	71.6	69.8
90°	31.8	37.1	43.3	48.6	55.7	61.0	65.4	69.8	73.3	72.5	69.8
92.5°	30.6	35.6	41.5	46.6	53.4	58.7	63.3	68.0	71.7	71.6	69.8
95°	29.6	34.4	39.8	44.9	51.2	56.6	61.4	66.3	70.2	70.7	69.7
97.5°	28.8	33.4	38.4	43.3	49.3	54.7	59.7	64.8	68.7	69.8	69.6
100°	28.1	32.5	37.0	41.9	47.6	52.9	58.1	63.4	67.4	69.1	69.5
102.5°	27.5	31.6	35.8	40.6	46.0	51.4	56.8	62.2	66.2	68.6	69.5
105°	27.0	30.8	34.7	39.4	44.7	50.1	55.8	61.2	65.3	68.2	69.5
107.5°	26.6	30.0	33.7	38.2	43.6	49.0	55.0	60.4	64.7	68.2	69.5
110°	26.1	29.3	32.8	37.0	42.1	47.3	53.4	59.0	64.0	68.6	69.7



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	25.6	28.4	31.7	35.9	40.4	45.3	50.6	55.6	60.2	64.8	66.3
115°	24.8	27.4	30.5	34.6	38.6	43.1	47.7	52.1	56.4	60.4	61.8
117.5°	23.9	26.3	29.4	33.0	36.5	40.6	44.6	48.6	52.6	55.8	57.3
120°	22.8	25.0	28.2	31.1	34.3	37.8	41.3	45.0	48.8	51.4	53.1
122.5°	21.3	23.8	26.3	28.8	31.7	34.7	37.9	41.4	44.9	47.3	49.3
125°	20.8	22.6	24.1	26.2	28.7	31.3	34.5	37.7	40.7	43.3	45.7
127.5°	20.4	21.7	22.9	24.1	25.3	28.0	30.9	33.9	36.9	39.8	42.8
130°	19.5	20.7	21.9	23.2	24.5	26.2	28.0	30.2	33.3	36.7	40.5
132.5°	18.6	19.9	21.1	22.3	23.8	25.4	27.0	29.2	31.7	34.7	38.9
135°	17.9	19.1	20.3	21.6	22.9	24.5	26.2	28.2	30.7	33.9	37.6
137.5°	17.3	18.4	19.5	20.7	22.1	23.6	25.2	27.3	29.8	32.8	36.1
140°	16.6	17.5	18.6	19.9	21.2	22.6	24.3	26.3	28.8	31.5	34.4
142.5°	15.6	16.7	17.9	19.0	20.2	21.6	23.4	25.3	27.4	29.9	32.5
145°	14.9	16.0	16.9	17.8	19.1	20.6	22.2	23.8	25.8	28.0	30.5
147.5°	14.0	14.7	15.6	16.8	18.1	19.3	20.5	22.1	23.9	25.8	27.9
150°	12.8	13.6	14.6	15.5	16.4	17.4	18.7	20.1	21.6	23.1	24.8
152.5°	12.1	12.9	13.5	14.0	14.6	15.4	16.5	17.6	18.7	19.8	21.1
155°	11.1	11.7	12.2	12.9	13.7	14.3	14.8	15.2	15.5	15.9	16.7
157.5°	10.0	10.7	11.4	12.0	12.4	12.9	13.2	13.6	13.9	14.3	14.5
160°	9.3	9.8	10.2	10.6	11.0	11.4	11.7	12.1	12.4	12.6	12.9
162.5°	8.1	8.5	8.9	9.2	9.6	9.9	10.2	10.5	10.8	11.0	11.3
165°	6.9	7.3	7.6	7.9	8.2	8.5	8.7	9.0	9.2	9.4	9.6
167.5°	5.7	6.0	6.3	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.0
170°	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4
172.5°	3.4	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.7	4.8
175°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2
177.5°	1.1	1.2	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	2.0
5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	4.0
7.5°	4.9	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.3	5.3	6.0
10°	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.0	7.1	7.1	8.0
12.5°	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.8	8.8	10.0
15°	9.8	10.0	10.1	10.3	10.4	10.4	10.5	10.6	10.6	10.6	12.0
17.5°	11.5	11.7	11.8	12.0	12.1	12.2	12.3	12.3	12.4	12.4	13.9
20°	13.1	13.3	13.5	13.7	13.8	13.9	14.0	14.1	14.1	14.1	15.9
22.5°	14.8	15.0	15.2	15.4	15.6	15.7	15.8	15.8	15.9	15.9	17.9
25°	17.6	18.6	19.4	20.2	20.9	21.3	21.5	21.6	21.7	21.6	23.7
27.5°	22.4	23.7	25.0	26.1	26.9	27.5	27.6	27.6	27.5	27.3	29.4
30°	26.6	28.5	30.2	31.8	32.9	33.8	33.8	33.6	33.4	33.0	35.1
32.5°	30.2	32.6	34.9	37.1	38.7	39.9	40.0	39.7	39.2	38.7	40.8
35°	33.2	36.2	39.4	42.1	44.5	45.9	46.3	45.8	45.1	44.3	46.5
37.5°	35.8	39.4	43.2	46.8	50.2	51.8	52.7	52.0	51.1	50.0	52.1
40°	37.9	42.1	46.6	51.2	55.1	57.7	59.2	58.2	57.0	55.7	57.8
42.5°	39.6	44.5	49.7	55.4	60.0	63.5	65.6	64.4	63.0	61.4	63.4
45°	41.5	46.5	52.3	58.8	64.6	69.2	71.6	70.6	68.9	67.1	68.9
47.5°	43.2	47.7	53.5	59.8	65.6	70.7	73.4	73.5	72.8	72.4	76.1
50°	44.4	48.1	53.5	59.4	65.4	71.0	74.6	76.0	76.6	77.7	83.5
52.5°	46.2	49.4	53.8	59.2	65.2	71.1	75.6	78.4	80.2	83.0	90.9
55°	48.5	51.1	54.4	59.3	65.1	71.2	76.6	80.6	83.7	88.3	98.5
57.5°	51.2	53.1	55.4	59.6	65.1	71.3	77.5	82.7	87.2	93.7	106.2
60°	54.4	55.5	56.8	60.4	65.3	71.5	78.2	84.7	90.5	99.0	113.9
62.5°	58.0	58.3	58.8	61.4	65.7	71.7	78.9	86.5	93.8	104.3	121.8
65°	61.9	61.4	61.0	62.6	66.2	71.9	79.6	88.3	97.0	109.6	129.7
67.5°	66.0	64.8	63.5	64.0	66.9	72.2	80.2	90.0	100.2	114.9	137.7
70°	68.6	66.3	64.3	64.0	66.4	71.5	79.4	89.1	99.4	114.3	137.0
72.5°	68.3	65.9	63.8	63.4	65.7	70.7	78.6	88.2	98.6	113.7	136.2
75°	68.0	65.4	63.3	62.9	65.1	70.0	77.9	87.4	97.8	113.1	136.1
77.5°	67.8	64.9	62.7	62.4	64.4	69.4	77.3	86.6	97.0	112.5	134.9
80°	67.5	64.4	62.0	61.9	63.8	68.8	76.7	85.8	96.3	112.0	133.7
82.5°	67.3	63.8	61.4	61.4	63.2	68.3	76.2	85.1	95.6	111.4	132.5
85°	67.0	63.2	60.7	60.9	62.7	67.8	75.8	84.4	94.9	110.8	131.4
87.5°	66.7	62.5	59.9	60.5	62.2	67.4	75.4	83.7	94.3	110.2	130.2
90°	66.3	61.8	59.2	60.1	61.8	67.1	75.1	83.1	93.7	109.6	129.0
92.5°	66.7	62.5	59.9	60.5	62.2	67.4	75.4	83.7	94.3	110.2	130.2
95°	67.0	63.2	60.7	60.9	62.7	67.8	75.8	84.4	94.9	110.8	131.4
97.5°	67.3	63.8	61.4	61.4	63.2	68.3	76.2	85.1	95.6	111.4	132.5
100°	67.5	64.4	62.0	61.9	63.8	68.8	76.7	85.8	96.3	112.0	133.7
102.5°	67.8	64.9	62.7	62.4	64.4	69.4	77.3	86.6	97.0	112.5	134.9
105°	68.0	65.4	63.3	62.9	65.1	70.0	77.9	87.4	97.8	113.1	136.1
107.5°	68.3	65.9	63.8	63.4	65.7	70.7	78.6	88.2	98.6	113.7	136.2
110°	68.6	66.3	64.3	64.0	66.4	71.5	79.4	89.1	99.4	114.3	137.0



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	66.0	64.8	63.5	64.0	66.9	72.2	80.2	90.0	100.2	114.9	137.7
115°	61.9	61.4	61.0	62.6	66.2	71.9	79.6	88.3	97.0	109.6	129.7
117.5°	58.0	58.3	58.8	61.4	65.7	71.7	78.9	86.5	93.8	104.3	121.8
120°	54.4	55.5	56.8	60.4	65.3	71.5	78.2	84.7	90.5	99.0	113.9
122.5°	51.2	53.1	55.4	59.6	65.1	71.3	77.5	82.7	87.2	93.7	106.2
125°	48.5	51.1	54.4	59.3	65.1	71.2	76.6	80.6	83.7	88.3	98.5
127.5°	46.2	49.4	53.8	59.2	65.2	71.1	75.6	78.4	80.2	83.0	90.9
130°	44.4	48.1	53.5	59.4	65.4	71.0	74.6	76.0	76.6	77.7	83.5
132.5°	43.2	47.7	53.5	59.8	65.6	70.7	73.4	73.5	72.8	72.4	76.1
135°	41.5	46.5	52.3	58.8	64.6	69.2	71.6	70.6	68.9	67.1	68.9
137.5°	39.6	44.5	49.7	55.4	60.0	63.5	65.6	64.4	63.0	61.4	63.4
140°	37.9	42.1	46.6	51.2	55.1	57.7	59.2	58.2	57.0	55.7	57.8
142.5°	35.8	39.4	43.2	46.8	50.2	51.8	52.7	52.0	51.1	50.0	52.1
145°	33.2	36.2	39.4	42.1	44.5	45.9	46.3	45.8	45.1	44.3	46.5
147.5°	30.2	32.6	34.9	37.1	38.7	39.9	40.0	39.7	39.2	38.7	40.8
150°	26.6	28.5	30.2	31.8	32.9	33.8	33.8	33.6	33.4	33.0	35.1
152.5°	22.4	23.7	25.0	26.1	26.9	27.5	27.6	27.6	27.5	27.3	29.4
155°	17.6	18.6	19.4	20.2	20.9	21.3	21.5	21.6	21.7	21.6	23.7
157.5°	14.8	15.0	15.2	15.4	15.6	15.7	15.8	15.8	15.9	15.9	17.9
160°	13.1	13.3	13.5	13.7	13.8	13.9	14.0	14.1	14.1	14.1	15.9
162.5°	11.5	11.7	11.8	12.0	12.1	12.2	12.3	12.3	12.4	12.4	13.9
165°	9.8	10.0	10.1	10.3	10.4	10.4	10.5	10.6	10.6	10.6	12.0
167.5°	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.8	8.8	10.0
170°	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.0	7.1	7.1	8.0
172.5°	4.9	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.3	5.3	6.0
175°	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	4.0
177.5°	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	2.0
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: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	2.2	2.4	2.7	2.9	3.1	3.3	3.5	3.7	3.8	4.0	4.2
5°	4.4	4.9	5.3	5.7	6.2	6.6	6.9	7.3	7.7	8.0	8.4
7.5°	6.7	7.3	8.0	8.6	9.2	9.8	10.5	11.3	12.2	13.0	13.7
10°	8.9	9.8	10.6	11.5	12.4	13.5	14.7	15.8	16.9	18.0	19.1
12.5°	11.1	12.2	13.3	14.5	16.0	17.4	18.9	20.3	21.6	22.8	24.0
15°	13.3	14.6	16.0	17.8	19.5	21.3	22.9	24.4	25.9	27.3	28.9
17.5°	15.5	17.0	18.9	21.0	23.0	25.0	26.7	28.4	30.1	31.7	33.3
20°	17.7	19.5	21.8	24.2	26.4	28.4	30.3	32.2	34.1	35.9	37.7
22.5°	19.9	22.1	24.7	27.3	29.5	31.7	33.8	35.9	37.9	39.9	41.9
25°	25.6	28.1	30.7	33.1	35.1	37.1	38.8	40.5	42.1	43.7	45.9
27.5°	31.4	34.2	37.0	39.5	41.7	43.7	45.4	47.2	48.9	50.6	51.8
30°	37.2	40.3	43.4	45.8	48.3	50.0	51.8	53.7	55.6	56.9	58.0
32.5°	43.1	46.4	49.5	52.1	54.4	56.2	58.1	60.1	61.7	62.8	64.4
35°	48.9	52.4	55.6	58.3	60.4	62.2	64.3	66.3	67.4	68.7	70.8
37.5°	54.8	58.4	61.6	64.4	66.2	68.1	70.4	71.8	72.9	74.7	76.9
40°	60.6	64.4	67.6	70.2	71.8	74.0	76.2	77.0	78.4	80.2	83.5
42.5°	66.4	70.3	73.5	75.8	77.3	79.8	81.3	82.1	83.7	86.2	89.7
45°	72.1	76.1	79.4	81.3	83.0	85.5	86.3	87.2	88.6	92.0	95.9
47.5°	81.4	87.1	91.6	93.5	94.3	94.7	93.6	92.8	94.0	97.8	101.7
50°	91.1	99.0	105.5	108.8	109.0	108.2	107.2	106.7	107.5	108.8	110.3
52.5°	101.1	111.3	119.6	124.6	123.1	121.8	121.0	120.8	121.8	123.0	125.2
55°	111.4	124.0	134.1	139.9	136.6	135.3	134.9	135.1	135.9	136.8	139.3
57.5°	121.9	137.0	149.0	154.4	149.9	148.8	148.7	149.2	149.7	150.5	152.7
60°	132.5	150.3	164.1	168.6	163.4	162.3	162.7	163.0	163.2	163.8	164.8
62.5°	143.4	163.8	179.6	182.4	176.9	176.1	176.6	176.6	176.3	176.3	176.3
65°	154.4	177.5	195.2	196.0	190.4	189.9	190.4	190.0	189.1	188.3	186.9
67.5°	165.5	191.4	211.1	209.3	203.9	203.7	204.0	203.1	201.6	199.6	196.8
70°	165.3	192.6	214.5	215.0	212.6	213.0	213.4	213.0	211.9	209.8	206.0
72.5°	164.6	192.8	216.3	219.7	219.6	219.3	218.5	217.7	216.0	212.9	209.4
75°	163.8	192.8	218.1	225.1	226.8	225.2	223.4	222.4	219.9	215.8	212.2
77.5°	162.9	192.7	219.9	231.2	234.0	230.9	228.2	227.2	223.7	218.7	215.1
80°	162.7	192.5	221.7	237.7	241.3	236.4	233.0	231.9	227.3	221.5	218.0
82.5°	161.1	193.0	224.4	244.6	248.6	241.8	237.7	236.6	231.0	224.3	221.1
85°	159.5	192.0	225.3	252.0	256.0	246.9	242.2	241.4	234.6	227.2	224.2
87.5°	158.0	191.0	226.2	258.6	263.2	252.4	247.0	246.1	238.2	230.1	227.3
90°	156.4	190.0	227.1	265.1	270.4	258.0	251.8	250.9	242.1	233.3	230.6
92.5°	158.0	191.0	226.2	258.6	263.2	252.4	247.0	246.1	238.2	230.1	227.3
95°	159.5	192.0	225.3	252.0	256.0	246.9	242.2	241.4	234.6	227.2	224.2
97.5°	161.1	193.0	224.4	244.6	248.6	241.8	237.7	236.6	231.0	224.3	221.1
100°	162.7	192.5	221.7	237.7	241.3	236.4	233.0	231.9	227.3	221.5	218.0
102.5°	162.9	192.7	219.9	231.2	234.0	230.9	228.2	227.2	223.7	218.7	215.1
105°	163.8	192.8	218.1	225.1	226.8	225.2	223.4	222.4	219.9	215.8	212.2
107.5°	164.6	192.8	216.3	219.7	219.6	219.3	218.5	217.7	216.0	212.9	209.4
110°	165.3	192.6	214.5	215.0	212.6	213.0	213.4	213.0	211.9	209.8	206.0



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	165.5	191.4	211.1	209.3	203.9	203.7	204.0	203.1	201.6	199.6	196.8
115°	154.4	177.5	195.2	196.0	190.4	189.9	190.4	190.0	189.1	188.3	186.9
117.5°	143.4	163.8	179.6	182.4	176.9	176.1	176.6	176.6	176.3	176.3	176.3
120°	132.5	150.3	164.1	168.6	163.4	162.3	162.7	163.0	163.2	163.8	164.8
122.5°	121.9	137.0	149.0	154.4	149.9	148.8	148.7	149.2	149.7	150.5	152.7
125°	111.4	124.0	134.1	139.9	136.6	135.3	134.9	135.1	135.9	136.8	139.3
127.5°	101.1	111.3	119.6	124.6	123.1	121.8	121.0	120.8	121.8	123.0	125.2
130°	91.1	99.0	105.5	108.8	109.0	108.2	107.2	106.7	107.5	108.8	110.3
132.5°	81.4	87.1	91.6	93.5	94.3	94.7	93.6	92.8	94.0	97.8	101.7
135°	72.1	76.1	79.4	81.3	83.0	85.5	86.3	87.2	88.6	92.0	95.9
137.5°	66.4	70.3	73.5	75.8	77.3	79.8	81.3	82.1	83.7	86.2	89.7
140°	60.6	64.4	67.6	70.2	71.8	74.0	76.2	77.0	78.4	80.2	83.5
142.5°	54.8	58.4	61.6	64.4	66.2	68.1	70.4	71.8	72.9	74.7	76.9
145°	48.9	52.4	55.6	58.3	60.4	62.2	64.3	66.3	67.4	68.7	70.8
147.5°	43.1	46.4	49.5	52.1	54.4	56.2	58.1	60.1	61.7	62.8	64.4
150°	37.2	40.3	43.4	45.8	48.3	50.0	51.8	53.7	55.6	56.9	58.0
152.5°	31.4	34.2	37.0	39.5	41.7	43.7	45.4	47.2	48.9	50.6	51.8
155°	25.6	28.1	30.7	33.1	35.1	37.1	38.8	40.5	42.1	43.7	45.9
157.5°	19.9	22.1	24.7	27.3	29.5	31.7	33.8	35.9	37.9	39.9	41.9
160°	17.7	19.5	21.8	24.2	26.4	28.4	30.3	32.2	34.1	35.9	37.7
162.5°	15.5	17.0	18.9	21.0	23.0	25.0	26.7	28.4	30.1	31.7	33.3
165°	13.3	14.6	16.0	17.8	19.5	21.3	22.9	24.4	25.9	27.3	28.9
167.5°	11.1	12.2	13.3	14.5	16.0	17.4	18.9	20.3	21.6	22.8	24.0
170°	8.9	9.8	10.6	11.5	12.4	13.5	14.7	15.8	16.9	18.0	19.1
172.5°	6.7	7.3	8.0	8.6	9.2	9.8	10.5	11.3	12.2	13.0	13.7
175°	4.4	4.9	5.3	5.7	6.2	6.6	6.9	7.3	7.7	8.0	8.4
177.5°	2.2	2.4	2.7	2.9	3.1	3.3	3.5	3.7	3.8	4.0	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: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	4.3	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.4
5°	8.9	9.3	9.8	10.2	10.7	11.0	11.4	11.8	12.1	12.4	12.6
7.5°	14.5	15.2	15.9	16.6	17.2	17.7	18.3	18.8	19.2	19.6	20.0
10°	20.0	20.9	21.7	22.6	23.3	24.1	24.8	25.5	26.1	26.7	27.2
12.5°	25.1	26.2	27.3	28.3	29.3	30.2	31.1	32.0	32.8	33.6	34.4
15°	30.1	31.4	32.7	33.9	35.1	36.4	37.6	38.8	40.0	41.1	42.1
17.5°	34.9	36.5	38.0	39.6	41.1	42.6	44.0	45.4	46.7	47.9	49.1
20°	39.5	41.4	43.2	44.9	46.5	48.1	49.6	51.2	52.8	54.3	55.6
22.5°	44.0	45.9	47.7	49.4	51.2	53.3	55.3	57.2	58.9	60.2	61.2
25°	47.8	49.7	51.8	54.1	56.5	58.9	61.1	63.1	64.7	66.3	67.8
27.5°	52.8	54.2	56.3	59.2	62.3	65.1	68.0	70.3	72.7	74.7	76.4
30°	59.6	61.7	64.0	66.8	69.5	72.8	76.3	79.4	82.0	84.2	86.2
32.5°	66.5	69.1	72.1	75.2	78.9	82.5	86.0	89.3	92.2	94.8	97.0
35°	73.3	76.6	80.1	84.0	87.9	92.0	95.9	99.5	102.9	106.3	109.7
37.5°	80.4	84.0	88.1	92.4	97.0	101.4	105.7	109.8	114.1	118.7	122.4
40°	87.1	91.3	95.9	101.0	106.0	110.8	115.7	120.5	125.5	130.4	135.6
42.5°	93.9	98.4	104.0	109.5	114.9	120.3	125.6	131.5	137.6	143.8	150.6
45°	100.1	105.9	111.9	118.0	123.8	129.5	136.2	142.7	149.9	157.8	167.2
47.5°	107.0	113.3	119.9	126.2	132.3	139.5	146.6	154.0	163.0	173.1	185.6
50°	114.3	120.8	127.7	134.1	141.5	149.1	156.6	165.9	176.9	190.3	205.5
52.5°	128.8	132.9	137.0	142.2	151.0	157.8	166.8	178.0	191.9	208.6	228.9
55°	142.3	145.6	149.2	154.4	160.2	166.6	176.9	190.8	207.8	228.9	252.8
57.5°	154.7	157.0	160.2	165.1	170.6	179.8	190.6	203.9	225.1	249.4	276.7
60°	166.0	167.2	170.1	174.8	182.5	193.3	205.2	222.7	244.1	268.9	304.2
62.5°	176.2	176.7	178.8	183.9	195.1	206.4	220.4	239.5	263.6	296.1	332.8
65°	185.6	185.2	187.5	194.7	207.3	217.9	234.1	256.5	285.7	321.3	361.0
67.5°	194.3	192.6	195.6	206.3	217.9	229.6	246.9	271.7	306.2	344.2	387.1
70°	202.2	199.3	203.1	217.6	227.2	239.5	259.9	289.0	324.4	363.6	410.9
72.5°	206.4	205.5	212.3	227.6	235.5	247.9	271.0	303.5	338.9	381.1	429.0
75°	209.4	210.2	220.1	234.2	244.3	258.1	282.6	315.2	349.7	394.6	444.2
77.5°	212.5	214.9	227.3	241.3	252.7	268.9	294.8	326.9	362.7	406.8	456.3
80°	215.7	219.5	233.9	248.5	260.7	277.9	304.9	336.5	373.7	418.4	470.5
82.5°	219.1	224.1	239.9	255.8	268.3	285.5	313.0	344.0	381.5	426.5	480.8
85°	222.6	228.5	245.4	262.9	275.3	291.8	319.2	349.5	386.2	431.2	487.1
87.5°	226.1	232.8	250.5	269.9	282.2	297.3	324.4	354.0	389.2	434.1	491.4
90°	229.7	236.8	254.5	275.7	288.0	301.3	326.9	355.2	387.9	431.2	487.7
92.5°	226.1	232.8	250.5	269.9	282.2	297.3	324.4	354.0	389.2	434.1	491.4
95°	222.6	228.5	245.4	262.9	275.3	291.8	319.2	349.5	386.2	431.2	487.1
97.5°	219.1	224.1	239.9	255.8	268.3	285.5	313.0	344.0	381.5	426.5	480.8
100°	215.7	219.5	233.9	248.5	260.7	277.9	304.9	336.5	373.7	418.4	470.5
102.5°	212.5	214.9	227.3	241.3	252.7	268.9	294.8	326.9	362.7	406.8	456.3
105°	209.4	210.2	220.1	234.2	244.3	258.1	282.6	315.2	349.7	394.6	444.2
107.5°	206.4	205.5	212.3	227.6	235.5	247.9	271.0	303.5	338.9	381.1	429.0
110°	202.2	199.3	203.1	217.6	227.2	239.5	259.9	289.0	324.4	363.6	410.9



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	194.3	192.6	195.6	206.3	217.9	229.6	246.9	271.7	306.2	344.2	387.1
115°	185.6	185.2	187.5	194.7	207.3	217.9	234.1	256.5	285.7	321.3	361.0
117.5°	176.2	176.7	178.8	183.9	195.1	206.4	220.4	239.5	263.6	296.1	332.8
120°	166.0	167.2	170.1	174.8	182.5	193.3	205.2	222.7	244.1	268.9	304.2
122.5°	154.7	157.0	160.2	165.1	170.6	179.8	190.6	203.9	225.1	249.4	276.7
125°	142.3	145.6	149.2	154.4	160.2	166.6	176.9	190.8	207.8	228.9	252.8
127.5°	128.8	132.9	137.0	142.2	151.0	157.8	166.8	178.0	191.9	208.6	228.9
130°	114.3	120.8	127.7	134.1	141.5	149.1	156.6	165.9	176.9	190.3	205.5
132.5°	107.0	113.3	119.9	126.2	132.3	139.5	146.6	154.0	163.0	173.1	185.6
135°	100.1	105.9	111.9	118.0	123.8	129.5	136.2	142.7	149.9	157.8	167.2
137.5°	93.9	98.4	104.0	109.5	114.9	120.3	125.6	131.5	137.6	143.8	150.6
140°	87.1	91.3	95.9	101.0	106.0	110.8	115.7	120.5	125.5	130.4	135.6
142.5°	80.4	84.0	88.1	92.4	97.0	101.4	105.7	109.8	114.1	118.7	122.4
145°	73.3	76.6	80.1	84.0	87.9	92.0	95.9	99.5	102.9	106.3	109.7
147.5°	66.5	69.1	72.1	75.2	78.9	82.5	86.0	89.3	92.2	94.8	97.0
150°	59.6	61.7	64.0	66.8	69.5	72.8	76.3	79.4	82.0	84.2	86.2
152.5°	52.8	54.2	56.3	59.2	62.3	65.1	68.0	70.3	72.7	74.7	76.4
155°	47.8	49.7	51.8	54.1	56.5	58.9	61.1	63.1	64.7	66.3	67.8
157.5°	44.0	45.9	47.7	49.4	51.2	53.3	55.3	57.2	58.9	60.2	61.2
160°	39.5	41.4	43.2	44.9	46.5	48.1	49.6	51.2	52.8	54.3	55.6
162.5°	34.9	36.5	38.0	39.6	41.1	42.6	44.0	45.4	46.7	47.9	49.1
165°	30.1	31.4	32.7	33.9	35.1	36.4	37.6	38.8	40.0	41.1	42.1
167.5°	25.1	26.2	27.3	28.3	29.3	30.2	31.1	32.0	32.8	33.6	34.4
170°	20.0	20.9	21.7	22.6	23.3	24.1	24.8	25.5	26.1	26.7	27.2
172.5°	14.5	15.2	15.9	16.6	17.2	17.7	18.3	18.8	19.2	19.6	20.0
175°	8.9	9.3	9.8	10.2	10.7	11.0	11.4	11.8	12.1	12.4	12.6
177.5°	4.3	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.4
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: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-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°	5.5	5.5	5.6	5.6	5.6	5.6	5.8	5.7	5.6	5.5	5.5
5°	12.8	13.1	13.2	13.4	13.5	13.6	13.6	13.6	13.9	13.7	13.6
7.5°	20.4	20.7	20.9	21.1	21.3	21.5	21.6	21.6	21.6	21.8	21.6
10°	27.7	28.1	28.5	28.8	29.1	29.3	29.5	29.6	29.6	29.9	29.6
12.5°	35.2	35.9	36.6	37.1	37.7	38.1	38.5	38.7	39.0	39.1	39.3
15°	43.1	43.9	44.8	45.5	46.2	46.8	47.4	47.8	48.2	48.4	48.8
17.5°	50.3	51.3	52.2	53.0	53.7	54.3	54.8	55.2	55.5	55.7	56.0
20°	56.9	57.9	58.4	58.7	58.9	58.9	58.9	58.7	58.4	58.0	57.6
22.5°	62.0	62.6	63.2	63.7	64.0	64.1	64.0	63.7	63.2	62.6	62.0
25°	69.1	70.0	70.7	71.1	71.2	71.1	70.8	70.2	69.4	68.4	67.2
27.5°	77.7	78.7	79.2	79.7	80.2	80.4	80.3	79.9	79.3	78.4	77.2
30°	87.6	89.1	90.2	90.9	92.7	94.1	95.3	96.1	96.6	96.8	96.5
32.5°	99.2	102.0	104.6	107.0	109.3	111.3	113.1	114.5	115.5	116.1	116.2
35°	113.0	116.4	119.7	122.8	126.0	130.3	134.3	137.9	141.0	143.6	145.4
37.5°	126.5	130.9	136.6	142.4	148.0	153.7	158.9	163.4	167.3	170.4	172.8
40°	141.7	148.1	155.7	163.3	170.3	178.2	186.7	194.5	201.5	207.5	212.4
42.5°	158.7	167.1	176.4	187.7	198.8	209.9	222.5	234.1	244.5	253.7	261.4
45°	177.3	189.5	201.4	216.8	232.6	249.6	264.0	278.9	292.5	304.3	314.3
47.5°	199.0	215.2	232.3	250.0	270.1	289.5	309.7	330.1	349.1	366.3	381.3
50°	224.5	244.1	265.7	287.0	310.8	336.1	362.3	389.6	414.2	435.8	454.1
52.5°	251.3	274.7	301.6	328.5	358.7	391.4	424.2	455.4	482.2	504.5	522.5
55°	278.5	309.3	341.5	378.0	415.0	454.0	491.1	523.9	549.2	567.2	578.9
57.5°	310.0	346.9	386.3	429.3	475.2	520.4	566.4	592.8	608.3	618.3	623.4
60°	343.1	385.0	430.6	479.3	531.3	578.5	619.0	644.1	650.6	655.3	658.0
62.5°	374.4	420.8	471.5	525.6	574.9	619.1	649.7	673.3	679.6	683.9	686.1
65°	405.1	452.1	506.3	561.2	609.8	648.5	678.9	697.5	704.6	709.2	712.4
67.5°	433.9	483.7	537.9	594.6	645.3	689.1	712.1	721.7	725.1	729.2	733.2
70°	459.4	514.1	572.3	632.3	694.8	723.5	737.2	740.3	741.8	746.2	751.8
72.5°	481.8	540.2	604.0	671.0	722.0	747.8	753.1	755.3	759.3	763.8	769.0
75°	500.5	565.0	631.0	693.0	737.5	758.7	763.8	766.5	772.4	780.8	785.3
77.5°	515.2	585.5	648.4	708.8	749.5	767.4	772.0	774.5	786.1	795.2	797.2
80°	532.4	597.8	659.1	723.7	765.2	777.8	781.4	788.6	796.9	803.2	800.5
82.5°	545.4	609.4	675.8	737.3	773.4	786.1	791.4	797.4	802.1	805.5	807.1
85°	552.4	617.0	686.6	749.0	779.3	789.0	794.8	797.7	797.4	806.1	817.1
87.5°	556.1	619.9	690.8	756.5	784.0	789.1	789.0	792.0	798.8	811.9	815.4
90°	549.6	617.6	688.3	758.1	786.4	788.1	781.1	787.2	808.5	819.1	816.4
92.5°	556.1	619.9	690.8	756.5	784.0	789.1	789.0	792.0	798.8	811.9	815.4
95°	552.4	617.0	686.6	749.0	779.3	789.0	794.8	797.7	797.4	806.1	817.1
97.5°	545.4	609.4	675.8	737.3	773.4	786.1	791.4	797.4	802.1	805.5	807.1
100°	532.4	597.8	659.1	723.7	765.2	777.8	781.4	788.6	796.9	803.2	800.5
102.5°	515.2	585.5	648.4	708.8	749.5	767.4	772.0	774.5	786.1	795.2	797.2
105°	500.5	565.0	631.0	693.0	737.5	758.7	763.8	766.5	772.4	780.8	785.3
107.5°	481.8	540.2	604.0	671.0	722.0	747.8	753.1	755.3	759.3	763.8	769.0
110°	459.4	514.1	572.3	632.3	694.8	723.5	737.2	740.3	741.8	746.2	751.8



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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°	433.9	483.7	537.9	594.6	645.3	689.1	712.1	721.7	725.1	729.2	733.2
115°	405.1	452.1	506.3	561.2	609.8	648.5	678.9	697.5	704.6	709.2	712.4
117.5°	374.4	420.8	471.5	525.6	574.9	619.1	649.7	673.3	679.6	683.9	686.1
120°	343.1	385.0	430.6	479.3	531.3	578.5	619.0	644.1	650.6	655.3	658.0
122.5°	310.0	346.9	386.3	429.3	475.2	520.4	566.4	592.8	608.3	618.3	623.4
125°	278.5	309.3	341.5	378.0	415.0	454.0	491.1	523.9	549.2	567.2	578.9
127.5°	251.3	274.7	301.6	328.5	358.7	391.4	424.2	455.4	482.2	504.5	522.5
130°	224.5	244.1	265.7	287.0	310.8	336.1	362.3	389.6	414.2	435.8	454.1
132.5°	199.0	215.2	232.3	250.0	270.1	289.5	309.7	330.1	349.1	366.3	381.3
135°	177.3	189.5	201.4	216.8	232.6	249.6	264.0	278.9	292.5	304.3	314.3
137.5°	158.7	167.1	176.4	187.7	198.8	209.9	222.5	234.1	244.5	253.7	261.4
140°	141.7	148.1	155.7	163.3	170.3	178.2	186.7	194.5	201.5	207.5	212.4
142.5°	126.5	130.9	136.6	142.4	148.0	153.7	158.9	163.4	167.3	170.4	172.8
145°	113.0	116.4	119.7	122.8	126.0	130.3	134.3	137.9	141.0	143.6	145.4
147.5°	99.2	102.0	104.6	107.0	109.3	111.3	113.1	114.5	115.5	116.1	116.2
150°	87.6	89.1	90.2	90.9	92.7	94.1	95.3	96.1	96.6	96.8	96.5
152.5°	77.7	78.7	79.2	79.7	80.2	80.4	80.3	79.9	79.3	78.4	77.2
155°	69.1	70.0	70.7	71.1	71.2	71.1	70.8	70.2	69.4	68.4	67.2
157.5°	62.0	62.6	63.2	63.7	64.0	64.1	64.0	63.7	63.2	62.6	62.0
160°	56.9	57.9	58.4	58.7	58.9	58.9	58.9	58.7	58.4	58.0	57.6
162.5°	50.3	51.3	52.2	53.0	53.7	54.3	54.8	55.2	55.5	55.7	56.0
165°	43.1	43.9	44.8	45.5	46.2	46.8	47.4	47.8	48.2	48.4	48.8
167.5°	35.2	35.9	36.6	37.1	37.7	38.1	38.5	38.7	39.0	39.1	39.3
170°	27.7	28.1	28.5	28.8	29.1	29.3	29.5	29.6	29.6	29.9	29.6
172.5°	20.4	20.7	20.9	21.1	21.3	21.5	21.6	21.6	21.6	21.8	21.6
175°	12.8	13.1	13.2	13.4	13.5	13.6	13.6	13.6	13.9	13.7	13.6
177.5°	5.5	5.5	5.6	5.6	5.6	5.6	5.8	5.7	5.6	5.5	5.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	5.4	5.3
5°	13.4	13.3
7.5°	21.4	21.2
10°	29.4	29.2
12.5°	39.1	38.9
15°	48.7	48.6
17.5°	55.9	55.7
20°	57.0	56.5
22.5°	61.1	60.1
25°	66.0	64.5
27.5°	75.9	74.2
30°	96.0	94.5
32.5°	116.1	114.9
35°	147.0	146.7
37.5°	174.8	174.9
40°	216.8	218.2
42.5°	268.3	271.3
45°	323.4	327.8
47.5°	395.4	402.9
50°	470.8	479.8
52.5°	538.2	546.0
55°	586.8	587.6
57.5°	625.7	622.0
60°	659.7	656.5
62.5°	686.1	683.9
65°	713.8	713.0
67.5°	736.4	737.8
70°	755.2	756.3
72.5°	771.4	771.3
75°	782.1	774.9
77.5°	789.7	780.2
80°	799.8	804.0
82.5°	810.9	813.8
85°	818.0	812.9
87.5°	819.8	814.6
90°	821.7	819.1
92.5°	819.8	814.6
95°	818.0	812.9
97.5°	810.9	813.8
100°	799.8	804.0
102.5°	789.7	780.2
105°	782.1	774.9
107.5°	771.4	771.3
110°	755.2	756.3



TEST NUMBER: P231903

CATALOG NUMBER: FVS4WM-2-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	736.4	737.8
115°	713.8	713.0
117.5°	686.1	683.9
120°	659.7	656.5
122.5°	625.7	622.0
125°	586.8	587.6
127.5°	538.2	546.0
130°	470.8	479.8
132.5°	395.4	402.9
135°	323.4	327.8
137.5°	268.3	271.3
140°	216.8	218.2
142.5°	174.8	174.9
145°	147.0	146.7
147.5°	116.1	114.9
150°	96.0	94.5
152.5°	75.9	74.2
155°	66.0	64.5
157.5°	61.1	60.1
160°	57.0	56.5
162.5°	55.9	55.7
165°	48.7	48.6
167.5°	39.1	38.9
170°	29.4	29.2
172.5°	21.4	21.2
175°	13.4	13.3
177.5°	5.4	5.3
180°	0.0	0.0

(END OF REPORT)