

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: P231898

Luminaire Tested: **FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231898
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-LD4-40-1LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (42) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

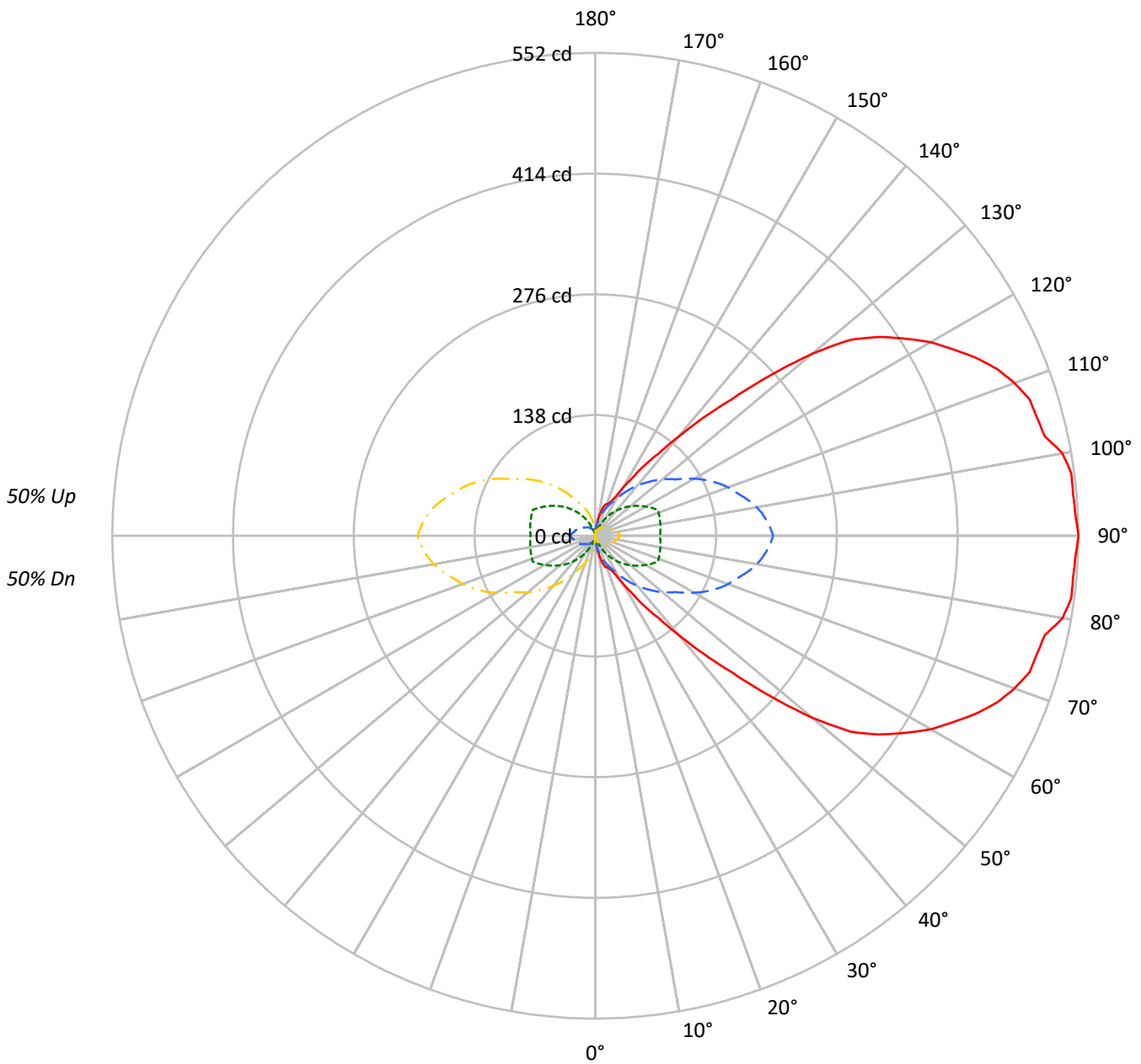
Lumens per Lamp: N/A
Luminaire Lumens: 1278.4 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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

TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

Luminous Intensity Polar Plot



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



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	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°	234	71	0	71
10°	463	142	0	142
15°	703	211	0	211
20°	756	286	0	286
25°	809	445	0	445
30°	1123	702	0	702
35°	1669	981	0	981
40°	2398	1293	0	1293
45°	3510	1650	0	1650
50°	5048	2044	0	2044
55°	6119	2524	0	2524
60°	6821	3116	0	3116
65°	7448	3875	0	3875
70°	8004	4657	0	4657
75°	8373	5482	0	5482
80°	8946	6766	0	6766
85°	9394	8965	0	8965



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	4.0	0.3
20°-30°	10.7	0.8
30°-40°	24.8	1.9
40°-50°	49.3	3.9
50°-60°	88.4	6.9
60°-70°	129.7	10.1
70°-80°	158.5	12.4
80°-90°	173.4	13.6
90°-100°	173.4	13.6
100°-110°	158.5	12.4
110°-120°	129.7	10.1
120°-130°	88.4	6.9
130°-140°	49.3	3.9
140°-150°	24.8	1.9
150°-160°	10.7	0.8
160°-170°	4.0	0.3
170°-180°	0.5	0.0
0°-30°	15.3	1.2
0°-40°	40.0	3.1
0°-60°	177.7	13.9
0°-90°	639.2	50.0
90°-120°	461.5	36.1
90°-150°	623.9	48.8
90°-180°	639.0	50.0
0°-180°	1278.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	9	2	0	2	9	1
15°	33	7	0	7	33	9
25°	44	14	0	14	44	22
35°	99	30	0	30	99	64
45°	221	45	0	45	221	178
55°	396	60	0	60	396	352
65°	481	74	0	74	481	476
75°	522	76	0	76	522	554
85°	548	75	0	75	548	447
90°	552	74	0	74	552	302
95°	548	75	0	75	548	447
105°	522	76	0	76	522	554
115°	481	74	0	74	481	476
125°	396	60	0	60	396	352
135°	221	45	0	45	221	178
145°	99	30	0	30	99	64
155°	44	14	0	14	44	22
165°	33	7	0	7	33	9
175°	9	2	0	2	9	1
180°	0	0	0	0	0	



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.8	3.8	3.8	3.8
5°	8.9	9.0	9.1	9.2	9.3	9.1	9.1	9.1	9.0	9.0	8.9
7.5°	14.3	14.4	14.6	14.7	14.6	14.6	14.5	14.5	14.4	14.2	14.1
10°	19.7	19.9	20.0	20.2	20.0	19.9	19.9	19.8	19.6	19.4	19.2
12.5°	26.2	26.3	26.5	26.3	26.2	26.1	25.9	25.7	25.4	25.0	24.7
15°	32.8	32.9	32.9	32.7	32.5	32.2	31.9	31.6	31.2	30.7	30.2
17.5°	37.5	37.6	37.7	37.5	37.4	37.2	36.9	36.6	36.2	35.7	35.2
20°	38.1	38.5	38.8	39.1	39.3	39.5	39.7	39.7	39.7	39.6	39.3
22.5°	40.5	41.2	41.8	42.2	42.6	42.9	43.2	43.2	43.2	43.0	42.6
25°	43.5	44.5	45.3	46.1	46.8	47.3	47.7	47.9	48.0	47.9	47.6
27.5°	50.0	51.2	52.0	52.8	53.4	53.9	54.1	54.2	54.1	53.7	53.4
30°	63.7	64.7	65.0	65.2	65.1	64.8	64.2	63.4	62.5	61.3	60.8
32.5°	77.4	78.2	78.3	78.2	77.8	77.2	76.2	75.0	73.7	72.1	70.5
35°	98.9	99.1	98.0	96.8	95.1	93.0	90.6	87.9	85.0	82.8	80.7
37.5°	118.0	117.9	116.6	115.0	112.8	110.2	107.1	103.6	99.8	96.0	92.1
40°	147.1	146.2	143.2	139.9	135.9	131.2	125.9	120.2	114.9	110.1	105.0
42.5°	182.9	180.9	176.2	171.0	164.9	157.8	150.0	141.5	134.0	126.6	119.0
45°	221.0	218.0	211.9	205.2	197.2	188.1	178.0	168.2	156.8	146.2	135.8
47.5°	271.6	266.5	257.1	246.9	235.3	222.5	208.8	195.2	182.1	168.5	156.6
50°	323.5	317.4	306.1	293.8	279.2	262.7	244.2	226.6	209.6	193.5	179.1
52.5°	368.1	362.9	352.3	340.2	325.1	307.1	286.0	263.9	241.8	221.4	203.4
55°	396.1	395.5	390.2	382.4	370.3	353.2	331.1	306.1	279.8	254.8	230.2
57.5°	419.4	421.9	420.3	416.9	410.1	399.7	381.9	350.8	320.4	289.4	260.4
60°	442.6	444.8	443.6	441.8	438.6	434.3	417.4	390.1	358.2	323.1	290.3
62.5°	461.1	462.6	462.6	461.1	458.1	453.9	438.1	417.4	387.6	354.4	317.8
65°	480.7	481.3	480.3	478.1	475.1	470.2	457.7	437.2	411.2	378.4	341.4
67.5°	497.4	496.5	494.3	491.6	488.8	486.5	480.1	464.6	435.1	401.0	362.7
70°	509.9	509.1	506.9	503.1	500.1	499.1	497.0	487.7	468.4	426.4	385.9
72.5°	520.1	520.1	518.5	514.9	511.9	509.3	507.7	504.2	486.7	452.3	407.3
75°	522.4	527.2	529.4	526.4	520.7	516.8	515.0	511.6	497.2	467.2	425.4
77.5°	526.0	532.4	537.5	536.1	530.0	522.2	520.5	517.4	505.3	477.9	437.2
80°	542.1	539.2	539.7	541.6	537.4	531.7	526.8	524.4	515.9	487.9	444.4
82.5°	548.6	546.7	544.2	543.1	540.8	537.7	533.6	530.0	521.5	497.1	455.7
85°	548.1	551.5	550.9	543.4	537.6	537.8	535.8	532.0	525.4	505.0	462.9
87.5°	549.2	552.7	549.7	547.3	538.6	534.0	532.0	532.1	528.6	510.0	465.8
90°	552.2	554.0	550.4	552.2	545.1	530.8	526.6	531.4	530.2	511.1	464.1
92.5°	549.2	552.7	549.7	547.3	538.6	534.0	532.0	532.1	528.6	510.0	465.8
95°	548.1	551.5	550.9	543.4	537.6	537.8	535.8	532.0	525.4	505.0	462.9
97.5°	548.6	546.7	544.2	543.1	540.8	537.7	533.6	530.0	521.5	497.1	455.7
100°	542.1	539.2	539.7	541.6	537.4	531.7	526.8	524.4	515.9	487.9	444.4
102.5°	526.0	532.4	537.5	536.1	530.0	522.2	520.5	517.4	505.3	477.9	437.2
105°	522.4	527.2	529.4	526.4	520.7	516.8	515.0	511.6	497.2	467.2	425.4
107.5°	520.1	520.1	518.5	514.9	511.9	509.3	507.7	504.2	486.7	452.3	407.3
110°	509.9	509.1	506.9	503.1	500.1	499.1	497.0	487.7	468.4	426.4	385.9



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	497.4	496.5	494.3	491.6	488.8	486.5	480.1	464.6	435.1	401.0	362.7
115°	480.7	481.3	480.3	478.1	475.1	470.2	457.7	437.2	411.2	378.4	341.4
117.5°	461.1	462.6	462.6	461.1	458.1	453.9	438.1	417.4	387.6	354.4	317.8
120°	442.6	444.8	443.6	441.8	438.6	434.3	417.4	390.1	358.2	323.1	290.3
122.5°	419.4	421.9	420.3	416.9	410.1	399.7	381.9	350.8	320.4	289.4	260.4
125°	396.1	395.5	390.2	382.4	370.3	353.2	331.1	306.1	279.8	254.8	230.2
127.5°	368.1	362.9	352.3	340.2	325.1	307.1	286.0	263.9	241.8	221.4	203.4
130°	323.5	317.4	306.1	293.8	279.2	262.7	244.2	226.6	209.6	193.5	179.1
132.5°	271.6	266.5	257.1	246.9	235.3	222.5	208.8	195.2	182.1	168.5	156.6
135°	221.0	218.0	211.9	205.2	197.2	188.1	178.0	168.2	156.8	146.2	135.8
137.5°	182.9	180.9	176.2	171.0	164.9	157.8	150.0	141.5	134.0	126.6	119.0
140°	147.1	146.2	143.2	139.9	135.9	131.2	125.9	120.2	114.9	110.1	105.0
142.5°	118.0	117.9	116.6	115.0	112.8	110.2	107.1	103.6	99.8	96.0	92.1
145°	98.9	99.1	98.0	96.8	95.1	93.0	90.6	87.9	85.0	82.8	80.7
147.5°	77.4	78.2	78.3	78.2	77.8	77.2	76.2	75.0	73.7	72.1	70.5
150°	63.7	64.7	65.0	65.2	65.1	64.8	64.2	63.4	62.5	61.3	60.8
152.5°	50.0	51.2	52.0	52.8	53.4	53.9	54.1	54.2	54.1	53.7	53.4
155°	43.5	44.5	45.3	46.1	46.8	47.3	47.7	47.9	48.0	47.9	47.6
157.5°	40.5	41.2	41.8	42.2	42.6	42.9	43.2	43.2	43.2	43.0	42.6
160°	38.1	38.5	38.8	39.1	39.3	39.5	39.7	39.7	39.7	39.6	39.3
162.5°	37.5	37.6	37.7	37.5	37.4	37.2	36.9	36.6	36.2	35.7	35.2
165°	32.8	32.9	32.9	32.7	32.5	32.2	31.9	31.6	31.2	30.7	30.2
167.5°	26.2	26.3	26.5	26.3	26.2	26.1	25.9	25.7	25.4	25.0	24.7
170°	19.7	19.9	20.0	20.2	20.0	19.9	19.9	19.8	19.6	19.4	19.2
172.5°	14.3	14.4	14.6	14.7	14.6	14.6	14.5	14.5	14.4	14.2	14.1
175°	8.9	9.0	9.1	9.2	9.3	9.1	9.1	9.1	9.0	9.0	8.9
177.5°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.8	3.8	3.8	3.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.3	3.2	3.1
5°	8.8	8.6	8.5	8.3	8.1	7.9	7.7	7.4	7.2	6.9	6.6
7.5°	13.9	13.7	13.5	13.2	12.9	12.6	12.3	11.9	11.5	11.1	10.7
10°	18.9	18.7	18.3	18.0	17.6	17.1	16.7	16.2	15.7	15.2	14.6
12.5°	24.2	23.7	23.2	22.7	22.1	21.6	21.0	20.4	19.8	19.1	18.4
15°	29.6	29.0	28.4	27.7	27.0	26.2	25.4	24.6	23.7	22.9	22.0
17.5°	34.6	33.9	33.1	32.3	31.5	30.6	29.7	28.8	27.7	26.7	25.6
20°	39.0	38.3	37.5	36.6	35.6	34.5	33.5	32.4	31.4	30.3	29.1
22.5°	42.2	41.8	41.3	40.6	39.7	38.6	37.3	35.9	34.5	33.3	32.2
25°	47.2	46.6	45.7	44.7	43.6	42.5	41.2	39.7	38.1	36.4	34.9
27.5°	53.0	52.4	51.5	50.4	49.0	47.4	45.9	43.9	42.0	39.9	38.0
30°	60.0	59.1	58.1	56.7	55.3	53.5	51.5	49.1	46.9	45.0	43.1
32.5°	68.7	66.9	65.4	63.9	62.1	60.2	58.0	55.6	53.2	50.8	48.6
35°	78.5	76.2	73.9	71.6	69.4	67.1	64.6	62.0	59.3	56.6	54.0
37.5°	88.3	85.3	82.6	80.0	76.9	74.0	71.2	68.3	65.4	62.3	59.4
40°	99.9	95.6	91.5	88.0	84.6	81.2	78.0	74.7	71.4	68.1	64.7
42.5°	112.7	107.0	101.5	97.0	92.9	88.7	84.7	81.1	77.5	73.8	70.1
45°	127.8	119.5	112.8	106.4	101.1	96.3	91.8	87.3	83.5	79.5	75.4
47.5°	145.1	134.1	125.1	116.7	109.9	103.9	98.9	94.1	89.2	85.1	80.9
50°	164.5	151.3	138.5	128.3	119.3	111.8	105.6	100.6	95.4	90.4	86.1
52.5°	185.2	169.4	154.3	140.6	129.4	120.0	112.4	106.4	101.8	95.8	92.4
55°	208.5	187.7	170.4	154.3	140.1	128.6	119.2	112.3	108.0	104.1	100.6
57.5°	233.8	209.0	186.5	168.2	151.8	137.5	128.5	121.2	115.0	111.3	108.0
60°	259.5	231.3	205.1	181.2	164.5	150.2	138.3	130.3	123.0	117.9	114.7
62.5°	283.7	252.4	224.4	199.6	177.7	161.5	148.6	139.1	131.5	124.0	120.6
65°	304.8	273.1	243.4	216.6	192.6	172.9	157.8	146.9	139.7	131.3	126.4
67.5°	326.1	292.5	261.0	232.1	206.5	183.2	166.5	154.8	146.9	139.1	131.9
70°	346.6	309.7	277.0	245.1	218.7	194.8	175.2	161.5	153.2	146.7	137.0
72.5°	364.2	324.8	289.2	256.9	228.5	204.6	182.7	167.1	158.8	153.4	143.2
75°	380.9	337.4	299.5	266.1	235.7	212.5	190.5	174.0	164.7	157.9	148.4
77.5°	394.8	347.3	307.6	274.3	244.6	220.4	198.8	181.3	170.4	162.7	153.2
80°	403.1	358.9	317.2	282.1	252.0	226.9	205.6	187.4	175.8	167.6	157.7
82.5°	410.9	367.7	324.1	287.6	257.2	232.0	211.0	192.5	180.9	172.5	161.8
85°	416.0	372.4	328.4	290.7	260.4	235.7	215.2	196.7	185.6	177.3	165.5
87.5°	418.0	374.9	331.3	292.7	262.4	238.7	218.7	200.4	190.3	182.0	168.9
90°	416.4	370.5	328.8	290.7	261.5	239.5	220.4	203.1	194.2	185.9	171.6
92.5°	418.0	374.9	331.3	292.7	262.4	238.7	218.7	200.4	190.3	182.0	168.9
95°	416.0	372.4	328.4	290.7	260.4	235.7	215.2	196.7	185.6	177.3	165.5
97.5°	410.9	367.7	324.1	287.6	257.2	232.0	211.0	192.5	180.9	172.5	161.8
100°	403.1	358.9	317.2	282.1	252.0	226.9	205.6	187.4	175.8	167.6	157.7
102.5°	394.8	347.3	307.6	274.3	244.6	220.4	198.8	181.3	170.4	162.7	153.2
105°	380.9	337.4	299.5	266.1	235.7	212.5	190.5	174.0	164.7	157.9	148.4
107.5°	364.2	324.8	289.2	256.9	228.5	204.6	182.7	167.1	158.8	153.4	143.2
110°	346.6	309.7	277.0	245.1	218.7	194.8	175.2	161.5	153.2	146.7	137.0



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	326.1	292.5	261.0	232.1	206.5	183.2	166.5	154.8	146.9	139.1	131.9
115°	304.8	273.1	243.4	216.6	192.6	172.9	157.8	146.9	139.7	131.3	126.4
117.5°	283.7	252.4	224.4	199.6	177.7	161.5	148.6	139.1	131.5	124.0	120.6
120°	259.5	231.3	205.1	181.2	164.5	150.2	138.3	130.3	123.0	117.9	114.7
122.5°	233.8	209.0	186.5	168.2	151.8	137.5	128.5	121.2	115.0	111.3	108.0
125°	208.5	187.7	170.4	154.3	140.1	128.6	119.2	112.3	108.0	104.1	100.6
127.5°	185.2	169.4	154.3	140.6	129.4	120.0	112.4	106.4	101.8	95.8	92.4
130°	164.5	151.3	138.5	128.3	119.3	111.8	105.6	100.6	95.4	90.4	86.1
132.5°	145.1	134.1	125.1	116.7	109.9	103.9	98.9	94.1	89.2	85.1	80.9
135°	127.8	119.5	112.8	106.4	101.1	96.3	91.8	87.3	83.5	79.5	75.4
137.5°	112.7	107.0	101.5	97.0	92.9	88.7	84.7	81.1	77.5	73.8	70.1
140°	99.9	95.6	91.5	88.0	84.6	81.2	78.0	74.7	71.4	68.1	64.7
142.5°	88.3	85.3	82.6	80.0	76.9	74.0	71.2	68.3	65.4	62.3	59.4
145°	78.5	76.2	73.9	71.6	69.4	67.1	64.6	62.0	59.3	56.6	54.0
147.5°	68.7	66.9	65.4	63.9	62.1	60.2	58.0	55.6	53.2	50.8	48.6
150°	60.0	59.1	58.1	56.7	55.3	53.5	51.5	49.1	46.9	45.0	43.1
152.5°	53.0	52.4	51.5	50.4	49.0	47.4	45.9	43.9	42.0	39.9	38.0
155°	47.2	46.6	45.7	44.7	43.6	42.5	41.2	39.7	38.1	36.4	34.9
157.5°	42.2	41.8	41.3	40.6	39.7	38.6	37.3	35.9	34.5	33.3	32.2
160°	39.0	38.3	37.5	36.6	35.6	34.5	33.5	32.4	31.4	30.3	29.1
162.5°	34.6	33.9	33.1	32.3	31.5	30.6	29.7	28.8	27.7	26.7	25.6
165°	29.6	29.0	28.4	27.7	27.0	26.2	25.4	24.6	23.7	22.9	22.0
167.5°	24.2	23.7	23.2	22.7	22.1	21.6	21.0	20.4	19.8	19.1	18.4
170°	18.9	18.7	18.3	18.0	17.6	17.1	16.7	16.2	15.7	15.2	14.6
172.5°	13.9	13.7	13.5	13.2	12.9	12.6	12.3	11.9	11.5	11.1	10.7
175°	8.8	8.6	8.5	8.3	8.1	7.9	7.7	7.4	7.2	6.9	6.6
177.5°	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.3	3.2	3.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	3.0	2.9	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8
5°	6.3	6.0	5.7	5.4	5.2	4.9	4.7	4.4	4.2	3.9	3.6
7.5°	10.2	9.8	9.3	8.7	8.2	7.6	7.1	6.6	6.2	5.8	5.4
10°	14.0	13.4	12.8	12.1	11.4	10.7	9.9	9.1	8.4	7.7	7.2
12.5°	17.7	16.9	16.1	15.3	14.5	13.6	12.7	11.8	10.8	9.8	9.0
15°	21.2	20.3	19.5	18.4	17.4	16.5	15.5	14.3	13.2	12.0	10.8
17.5°	24.7	23.5	22.4	21.4	20.3	19.1	18.0	16.8	15.5	14.2	12.8
20°	27.9	26.7	25.4	24.2	23.0	21.7	20.4	19.1	17.8	16.3	14.7
22.5°	31.0	29.7	28.3	26.9	25.5	24.2	22.7	21.3	19.9	18.4	16.7
25°	33.5	32.3	31.0	29.5	28.4	27.3	26.2	24.9	23.7	22.3	20.7
27.5°	36.5	35.6	34.9	34.1	33.0	31.8	30.6	29.4	28.1	26.6	25.0
30°	41.6	40.2	39.1	38.4	37.5	36.2	34.9	33.7	32.5	30.9	29.3
32.5°	46.5	44.8	43.4	42.4	41.6	40.6	39.2	37.9	36.6	35.1	33.4
35°	51.6	49.4	47.7	46.3	45.4	44.7	43.4	42.0	40.7	39.3	37.4
37.5°	56.6	54.2	51.8	50.3	49.2	48.4	47.5	45.9	44.6	43.4	41.5
40°	61.6	58.7	56.3	54.1	52.9	52.0	51.4	49.9	48.4	47.3	45.5
42.5°	66.4	63.3	60.5	58.0	56.4	55.4	54.8	53.8	52.2	51.1	49.6
45°	71.4	67.5	64.6	62.0	59.7	58.8	58.2	57.6	56.0	54.8	53.5
47.5°	76.4	72.1	68.6	65.9	63.3	62.6	63.2	63.8	63.6	63.0	61.8
50°	81.4	77.1	74.4	73.3	72.4	71.9	72.3	73.0	73.5	73.4	71.1
52.5°	89.6	86.8	84.5	83.0	82.1	81.4	81.6	82.1	83.0	84.0	80.6
55°	98.2	96.0	93.9	92.3	91.6	91.0	90.9	91.3	92.1	94.3	90.4
57.5°	105.8	104.3	102.9	101.5	100.9	100.5	100.3	100.4	101.1	104.1	100.4
60°	112.7	111.9	111.2	110.4	110.0	109.9	109.7	109.5	110.2	113.7	110.6
62.5°	119.2	118.8	118.9	118.9	118.9	119.1	119.0	118.8	119.3	123.0	121.0
65°	124.9	125.2	126.0	127.0	127.5	128.1	128.4	128.1	128.4	132.1	131.6
67.5°	129.8	131.0	132.7	134.6	135.9	137.0	137.6	137.4	137.5	141.1	142.3
70°	134.4	136.3	138.9	141.5	142.9	143.6	143.9	143.6	143.4	145.0	144.6
72.5°	138.6	139.2	141.2	143.5	145.6	146.8	147.3	147.8	148.1	148.1	145.8
75°	141.8	141.2	143.1	145.5	148.3	150.0	150.6	151.8	152.9	151.8	147.1
77.5°	144.9	143.3	145.0	147.5	150.8	153.2	153.9	155.7	157.8	155.9	148.3
80°	148.1	145.5	147.0	149.4	153.3	156.4	157.1	159.4	162.7	160.3	149.4
82.5°	151.1	147.7	149.1	151.3	155.7	159.6	160.3	163.0	167.6	164.9	151.3
85°	154.1	150.1	151.2	153.2	158.1	162.8	163.3	166.4	172.6	169.9	151.9
87.5°	157.0	152.5	153.3	155.1	160.6	166.0	166.6	170.2	177.4	174.3	152.5
90°	159.7	154.9	155.5	157.3	163.2	169.2	169.8	173.9	182.3	178.7	153.1
92.5°	157.0	152.5	153.3	155.1	160.6	166.0	166.6	170.2	177.4	174.3	152.5
95°	154.1	150.1	151.2	153.2	158.1	162.8	163.3	166.4	172.6	169.9	151.9
97.5°	151.1	147.7	149.1	151.3	155.7	159.6	160.3	163.0	167.6	164.9	151.3
100°	148.1	145.5	147.0	149.4	153.3	156.4	157.1	159.4	162.7	160.3	149.4
102.5°	144.9	143.3	145.0	147.5	150.8	153.2	153.9	155.7	157.8	155.9	148.3
105°	141.8	141.2	143.1	145.5	148.3	150.0	150.6	151.8	152.9	151.8	147.1
107.5°	138.6	139.2	141.2	143.5	145.6	146.8	147.3	147.8	148.1	148.1	145.8
110°	134.4	136.3	138.9	141.5	142.9	143.6	143.9	143.6	143.4	145.0	144.6



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	129.8	131.0	132.7	134.6	135.9	137.0	137.6	137.4	137.5	141.1	142.3
115°	124.9	125.2	126.0	127.0	127.5	128.1	128.4	128.1	128.4	132.1	131.6
117.5°	119.2	118.8	118.9	118.9	118.9	119.1	119.0	118.8	119.3	123.0	121.0
120°	112.7	111.9	111.2	110.4	110.0	109.9	109.7	109.5	110.2	113.7	110.6
122.5°	105.8	104.3	102.9	101.5	100.9	100.5	100.3	100.4	101.1	104.1	100.4
125°	98.2	96.0	93.9	92.3	91.6	91.0	90.9	91.3	92.1	94.3	90.4
127.5°	89.6	86.8	84.5	83.0	82.1	81.4	81.6	82.1	83.0	84.0	80.6
130°	81.4	77.1	74.4	73.3	72.4	71.9	72.3	73.0	73.5	73.4	71.1
132.5°	76.4	72.1	68.6	65.9	63.3	62.6	63.2	63.8	63.6	63.0	61.8
135°	71.4	67.5	64.6	62.0	59.7	58.8	58.2	57.6	56.0	54.8	53.5
137.5°	66.4	63.3	60.5	58.0	56.4	55.4	54.8	53.8	52.2	51.1	49.6
140°	61.6	58.7	56.3	54.1	52.9	52.0	51.4	49.9	48.4	47.3	45.5
142.5°	56.6	54.2	51.8	50.3	49.2	48.4	47.5	45.9	44.6	43.4	41.5
145°	51.6	49.4	47.7	46.3	45.4	44.7	43.4	42.0	40.7	39.3	37.4
147.5°	46.5	44.8	43.4	42.4	41.6	40.6	39.2	37.9	36.6	35.1	33.4
150°	41.6	40.2	39.1	38.4	37.5	36.2	34.9	33.7	32.5	30.9	29.3
152.5°	36.5	35.6	34.9	34.1	33.0	31.8	30.6	29.4	28.1	26.6	25.0
155°	33.5	32.3	31.0	29.5	28.4	27.3	26.2	24.9	23.7	22.3	20.7
157.5°	31.0	29.7	28.3	26.9	25.5	24.2	22.7	21.3	19.9	18.4	16.7
160°	27.9	26.7	25.4	24.2	23.0	21.7	20.4	19.1	17.8	16.3	14.7
162.5°	24.7	23.5	22.4	21.4	20.3	19.1	18.0	16.8	15.5	14.2	12.8
165°	21.2	20.3	19.5	18.4	17.4	16.5	15.5	14.3	13.2	12.0	10.8
167.5°	17.7	16.9	16.1	15.3	14.5	13.6	12.7	11.8	10.8	9.8	9.0
170°	14.0	13.4	12.8	12.1	11.4	10.7	9.9	9.1	8.4	7.7	7.2
172.5°	10.2	9.8	9.3	8.7	8.2	7.6	7.1	6.6	6.2	5.8	5.4
175°	6.3	6.0	5.7	5.4	5.2	4.9	4.7	4.4	4.2	3.9	3.6
177.5°	3.0	2.9	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
5°	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3
7.5°	4.9	4.5	4.0	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4
10°	6.6	6.0	5.4	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5
12.5°	8.2	7.5	6.7	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.7
15°	9.9	9.0	8.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.8
17.5°	11.5	10.5	9.4	8.3	8.3	8.3	8.3	8.2	8.1	8.1	8.0
20°	13.2	11.9	10.7	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.1
22.5°	14.9	13.4	12.1	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.3
25°	18.9	17.3	15.9	14.5	14.6	14.6	14.5	14.3	14.0	13.6	13.1
27.5°	23.1	21.2	19.8	18.4	18.5	18.6	18.6	18.5	18.1	17.6	16.9
30°	27.2	25.1	23.7	22.2	22.5	22.7	22.8	22.8	22.1	21.5	20.3
32.5°	31.3	29.1	27.5	26.1	26.5	26.8	27.0	26.9	26.1	25.0	23.6
35°	35.4	33.0	31.4	29.9	30.5	30.9	31.2	30.9	30.0	28.4	26.5
37.5°	39.4	37.0	35.2	33.8	34.5	35.0	35.5	34.9	33.9	31.5	29.1
40°	43.4	40.9	39.0	37.6	38.5	39.2	39.8	38.9	37.2	34.5	31.4
42.5°	47.4	44.8	42.8	41.5	42.5	43.4	44.2	42.8	40.5	37.4	33.5
45°	51.3	48.6	46.5	45.3	46.5	47.6	48.2	46.7	43.6	39.7	35.3
47.5°	58.7	54.9	51.4	48.9	49.1	49.5	49.4	47.7	44.3	40.3	36.1
50°	66.7	61.4	56.3	52.4	51.7	51.2	50.2	47.9	44.1	40.0	36.1
52.5°	75.0	68.2	61.3	56.0	54.1	52.8	51.0	47.9	44.0	39.9	36.3
55°	83.6	75.1	66.4	59.6	56.5	54.3	51.6	48.0	43.9	39.9	36.7
57.5°	92.3	82.2	71.6	63.1	58.8	55.7	52.2	48.1	43.9	40.2	37.4
60°	101.3	89.4	76.8	66.7	61.0	57.1	52.7	48.2	44.1	40.7	38.3
62.5°	110.4	96.7	82.1	70.3	63.2	58.3	53.2	48.3	44.3	41.4	39.6
65°	119.7	104.1	87.4	73.8	65.4	59.5	53.6	48.5	44.7	42.2	41.2
67.5°	129.1	111.6	92.8	77.4	67.5	60.6	54.0	48.7	45.1	43.1	42.8
70°	129.9	111.5	92.3	77.0	66.9	60.1	53.5	48.2	44.8	43.1	43.3
72.5°	130.0	111.0	91.8	76.6	66.4	59.5	53.0	47.7	44.3	42.8	43.0
75°	130.0	110.5	91.7	76.2	65.9	58.9	52.5	47.2	43.9	42.4	42.7
77.5°	129.9	109.8	90.9	75.8	65.4	58.3	52.1	46.8	43.5	42.1	42.3
80°	129.8	109.7	90.2	75.5	64.9	57.8	51.7	46.4	43.0	41.7	41.8
82.5°	130.1	108.6	89.4	75.1	64.4	57.3	51.4	46.1	42.7	41.4	41.4
85°	129.4	107.5	88.6	74.7	63.9	56.9	51.1	45.8	42.3	41.1	40.9
87.5°	128.8	106.5	87.8	74.3	63.5	56.4	50.8	45.5	42.0	40.8	40.4
90°	128.1	105.4	87.0	73.9	63.1	56.0	50.6	45.3	41.7	40.5	39.9
92.5°	128.8	106.5	87.8	74.3	63.5	56.4	50.8	45.5	42.0	40.8	40.4
95°	129.4	107.5	88.6	74.7	63.9	56.9	51.1	45.8	42.3	41.1	40.9
97.5°	130.1	108.6	89.4	75.1	64.4	57.3	51.4	46.1	42.7	41.4	41.4
100°	129.8	109.7	90.2	75.5	64.9	57.8	51.7	46.4	43.0	41.7	41.8
102.5°	129.9	109.8	90.9	75.8	65.4	58.3	52.1	46.8	43.5	42.1	42.3
105°	130.0	110.5	91.7	76.2	65.9	58.9	52.5	47.2	43.9	42.4	42.7
107.5°	130.0	111.0	91.8	76.6	66.4	59.5	53.0	47.7	44.3	42.8	43.0
110°	129.9	111.5	92.3	77.0	66.9	60.1	53.5	48.2	44.8	43.1	43.3



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	129.1	111.6	92.8	77.4	67.5	60.6	54.0	48.7	45.1	43.1	42.8
115°	119.7	104.1	87.4	73.8	65.4	59.5	53.6	48.5	44.7	42.2	41.2
117.5°	110.4	96.7	82.1	70.3	63.2	58.3	53.2	48.3	44.3	41.4	39.6
120°	101.3	89.4	76.8	66.7	61.0	57.1	52.7	48.2	44.1	40.7	38.3
122.5°	92.3	82.2	71.6	63.1	58.8	55.7	52.2	48.1	43.9	40.2	37.4
125°	83.6	75.1	66.4	59.6	56.5	54.3	51.6	48.0	43.9	39.9	36.7
127.5°	75.0	68.2	61.3	56.0	54.1	52.8	51.0	47.9	44.0	39.9	36.3
130°	66.7	61.4	56.3	52.4	51.7	51.2	50.2	47.9	44.1	40.0	36.1
132.5°	58.7	54.9	51.4	48.9	49.1	49.5	49.4	47.7	44.3	40.3	36.1
135°	51.3	48.6	46.5	45.3	46.5	47.6	48.2	46.7	43.6	39.7	35.3
137.5°	47.4	44.8	42.8	41.5	42.5	43.4	44.2	42.8	40.5	37.4	33.5
140°	43.4	40.9	39.0	37.6	38.5	39.2	39.8	38.9	37.2	34.5	31.4
142.5°	39.4	37.0	35.2	33.8	34.5	35.0	35.5	34.9	33.9	31.5	29.1
145°	35.4	33.0	31.4	29.9	30.5	30.9	31.2	30.9	30.0	28.4	26.5
147.5°	31.3	29.1	27.5	26.1	26.5	26.8	27.0	26.9	26.1	25.0	23.6
150°	27.2	25.1	23.7	22.2	22.5	22.7	22.8	22.8	22.1	21.5	20.3
152.5°	23.1	21.2	19.8	18.4	18.5	18.6	18.6	18.5	18.1	17.6	16.9
155°	18.9	17.3	15.9	14.5	14.6	14.6	14.5	14.3	14.0	13.6	13.1
157.5°	14.9	13.4	12.1	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.3
160°	13.2	11.9	10.7	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.1
162.5°	11.5	10.5	9.4	8.3	8.3	8.3	8.3	8.2	8.1	8.1	8.0
165°	9.9	9.0	8.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.8
167.5°	8.2	7.5	6.7	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.7
170°	6.6	6.0	5.4	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5
172.5°	4.9	4.5	4.0	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4
175°	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3
177.5°	1.6	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8
5°	2.2	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7
7.5°	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
10°	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4
12.5°	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2
15°	6.7	6.6	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1
17.5°	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0
20°	9.0	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.4	7.1	6.9
22.5°	10.1	10.0	9.8	9.6	9.4	9.2	8.9	8.7	8.4	8.1	7.6
25°	12.5	11.9	11.3	10.7	10.5	10.2	9.9	9.7	9.2	8.7	8.2
27.5°	16.0	15.1	14.2	13.3	12.6	11.9	11.1	10.4	9.8	9.4	9.1
30°	19.2	17.9	16.7	15.6	14.6	13.6	12.6	11.7	11.0	10.4	9.8
32.5°	22.0	20.3	18.8	17.4	16.1	14.9	13.8	13.0	12.2	11.3	10.5
35°	24.4	22.4	20.5	18.9	17.4	16.1	14.9	13.9	12.9	12.0	11.4
37.5°	26.5	24.1	21.9	20.1	18.5	17.0	15.7	14.6	13.6	12.8	12.1
40°	28.3	25.6	23.2	21.2	19.4	17.8	16.4	15.2	14.3	13.4	12.5
42.5°	30.0	26.7	24.4	22.1	20.1	18.4	17.0	15.9	14.9	13.9	13.1
45°	31.4	28.0	25.4	22.9	20.7	19.0	17.7	16.5	15.5	14.5	13.7
47.5°	32.2	29.2	26.2	23.4	21.3	19.6	18.2	17.1	16.0	15.0	14.2
50°	32.5	30.0	27.3	24.7	22.4	20.3	18.9	17.7	16.5	15.6	14.8
52.5°	33.3	31.2	28.9	26.8	24.8	22.9	20.9	18.9	17.1	16.3	15.4
55°	34.5	32.7	30.9	29.2	27.5	25.4	23.3	21.1	19.4	17.7	16.2
57.5°	35.8	34.5	33.2	31.9	30.3	27.9	25.6	23.4	21.4	19.4	17.8
60°	37.4	36.7	35.8	34.7	32.9	30.4	27.9	25.5	23.1	20.9	19.0
62.5°	39.3	39.1	38.7	37.7	35.5	32.8	30.1	27.4	24.6	22.2	19.8
65°	41.4	41.8	41.7	40.8	38.1	35.1	32.1	29.0	26.0	23.3	20.6
67.5°	43.7	44.5	44.7	43.7	40.6	37.5	34.1	30.5	27.3	24.2	21.4
70°	44.8	46.3	47.1	46.3	43.1	39.8	36.0	31.9	28.4	25.0	22.1
72.5°	44.5	46.1	46.9	46.0	43.6	40.7	37.0	33.1	29.4	25.7	22.7
75°	44.2	45.9	46.9	46.0	44.0	41.2	37.6	33.8	30.1	26.5	23.4
77.5°	43.8	45.7	46.9	46.2	44.6	41.9	38.3	34.7	31.0	27.4	24.1
80°	43.5	45.5	46.9	46.6	45.4	42.7	39.2	35.7	32.0	28.2	25.0
82.5°	43.1	45.4	47.0	47.0	46.3	43.7	40.2	36.9	33.2	29.2	25.9
85°	42.6	45.2	47.0	47.6	47.3	44.7	41.4	38.2	34.5	30.2	26.8
87.5°	42.2	45.0	47.1	48.2	48.3	45.9	42.7	39.6	35.9	31.4	28.0
90°	41.7	44.7	47.1	48.8	49.4	47.1	44.1	41.1	37.5	32.8	29.2
92.5°	42.2	45.0	47.1	48.2	48.3	45.9	42.7	39.6	35.9	31.4	28.0
95°	42.6	45.2	47.0	47.6	47.3	44.7	41.4	38.2	34.5	30.2	26.8
97.5°	43.1	45.4	47.0	47.0	46.3	43.7	40.2	36.9	33.2	29.2	25.9
100°	43.5	45.5	46.9	46.6	45.4	42.7	39.2	35.7	32.0	28.2	25.0
102.5°	43.8	45.7	46.9	46.2	44.6	41.9	38.3	34.7	31.0	27.4	24.1
105°	44.2	45.9	46.9	46.0	44.0	41.2	37.6	33.8	30.1	26.5	23.4
107.5°	44.5	46.1	46.9	46.0	43.6	40.7	37.0	33.1	29.4	25.7	22.7
110°	44.8	46.3	47.1	46.3	43.1	39.8	36.0	31.9	28.4	25.0	22.1



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	43.7	44.5	44.7	43.7	40.6	37.5	34.1	30.5	27.3	24.2	21.4
115°	41.4	41.8	41.7	40.8	38.1	35.1	32.1	29.0	26.0	23.3	20.6
117.5°	39.3	39.1	38.7	37.7	35.5	32.8	30.1	27.4	24.6	22.2	19.8
120°	37.4	36.7	35.8	34.7	32.9	30.4	27.9	25.5	23.1	20.9	19.0
122.5°	35.8	34.5	33.2	31.9	30.3	27.9	25.6	23.4	21.4	19.4	17.8
125°	34.5	32.7	30.9	29.2	27.5	25.4	23.3	21.1	19.4	17.7	16.2
127.5°	33.3	31.2	28.9	26.8	24.8	22.9	20.9	18.9	17.1	16.3	15.4
130°	32.5	30.0	27.3	24.7	22.4	20.3	18.9	17.7	16.5	15.6	14.8
132.5°	32.2	29.2	26.2	23.4	21.3	19.6	18.2	17.1	16.0	15.0	14.2
135°	31.4	28.0	25.4	22.9	20.7	19.0	17.7	16.5	15.5	14.5	13.7
137.5°	30.0	26.7	24.4	22.1	20.1	18.4	17.0	15.9	14.9	13.9	13.1
140°	28.3	25.6	23.2	21.2	19.4	17.8	16.4	15.2	14.3	13.4	12.5
142.5°	26.5	24.1	21.9	20.1	18.5	17.0	15.7	14.6	13.6	12.8	12.1
145°	24.4	22.4	20.5	18.9	17.4	16.1	14.9	13.9	12.9	12.0	11.4
147.5°	22.0	20.3	18.8	17.4	16.1	14.9	13.8	13.0	12.2	11.3	10.5
150°	19.2	17.9	16.7	15.6	14.6	13.6	12.6	11.7	11.0	10.4	9.8
152.5°	16.0	15.1	14.2	13.3	12.6	11.9	11.1	10.4	9.8	9.4	9.1
155°	12.5	11.9	11.3	10.7	10.5	10.2	9.9	9.7	9.2	8.7	8.2
157.5°	10.1	10.0	9.8	9.6	9.4	9.2	8.9	8.7	8.4	8.1	7.6
160°	9.0	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.4	7.1	6.9
162.5°	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0
165°	6.7	6.6	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1
167.5°	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2
170°	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4
172.5°	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
175°	2.2	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7
177.5°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4
5°	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
7.5°	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1
10°	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4
12.5°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8
15°	4.9	4.6	4.4	4.2	3.9	3.6	3.4	3.1	2.8	2.5	2.2
17.5°	5.7	5.4	5.2	4.9	4.6	4.3	3.9	3.5	3.2	2.8	2.5
20°	6.6	6.2	5.8	5.4	5.1	4.7	4.3	3.9	3.6	3.2	2.8
22.5°	7.2	6.8	6.4	6.0	5.6	5.3	4.9	4.4	4.0	3.5	3.1
25°	7.8	7.5	7.1	6.7	6.2	5.7	5.2	4.7	4.3	3.8	3.4
27.5°	8.7	8.2	7.6	7.1	6.6	6.2	5.7	5.2	4.7	4.2	3.6
30°	9.2	8.6	8.2	7.7	7.3	6.7	6.1	5.5	4.9	4.4	3.9
32.5°	9.9	9.4	8.9	8.2	7.6	7.0	6.5	6.0	5.4	4.8	4.2
35°	10.8	10.0	9.3	8.7	8.2	7.6	7.0	6.3	5.6	5.0	4.3
37.5°	11.2	10.5	9.9	9.4	8.6	7.9	7.2	6.4	5.7	5.0	4.4
40°	11.8	11.1	10.4	9.7	8.9	8.1	7.3	6.7	6.1	5.5	4.8
42.5°	12.4	11.6	10.8	10.0	9.1	8.5	7.9	7.2	6.4	5.6	4.9
45°	12.9	12.0	11.2	10.4	9.7	9.0	8.1	7.3	6.6	6.0	5.3
47.5°	13.4	12.5	11.7	11.0	10.1	9.2	8.4	7.8	7.1	6.2	5.4
50°	13.9	13.1	12.4	11.3	10.3	9.6	8.9	8.0	7.2	6.5	5.8
52.5°	14.6	13.8	12.6	11.6	10.8	10.0	9.1	8.3	7.6	7.0	6.3
55°	15.2	14.0	12.9	12.1	11.2	10.3	9.4	8.6	8.1	7.3	6.4
57.5°	16.0	14.4	13.4	12.5	11.6	10.5	9.8	9.2	8.2	7.2	6.3
60°	16.9	15.3	14.1	13.0	11.7	10.9	10.3	9.2	8.2	7.2	6.2
62.5°	17.7	16.1	14.7	13.2	12.1	11.5	10.3	9.2	8.3	7.1	6.1
65°	18.5	16.7	15.1	13.5	12.7	11.4	10.4	9.4	8.1	7.0	5.9
67.5°	19.1	17.3	15.3	13.9	12.6	11.3	10.3	9.3	8.0	6.8	5.7
70°	19.7	17.6	15.6	14.0	12.5	11.1	9.9	8.8	7.7	6.6	5.4
72.5°	20.2	17.9	15.8	14.0	12.3	10.8	9.6	8.2	7.2	6.2	5.0
75°	20.7	18.2	15.9	14.0	12.0	10.6	9.2	7.9	6.8	5.7	4.6
77.5°	21.3	18.6	16.1	13.9	11.7	10.4	8.7	7.6	6.5	5.3	4.3
80°	21.9	18.9	16.3	13.8	11.6	10.0	8.5	7.4	6.2	5.0	4.0
82.5°	22.5	19.4	16.6	13.7	11.5	9.6	8.0	6.9	5.9	4.8	3.7
85°	23.2	19.9	16.9	13.8	11.4	9.2	7.6	6.5	5.4	4.4	3.4
87.5°	24.0	20.6	17.3	13.9	11.3	9.0	7.3	6.2	5.0	4.2	3.4
90°	25.0	21.4	17.9	14.3	11.3	8.9	7.1	6.0	4.8	4.2	3.6
92.5°	24.0	20.6	17.3	13.9	11.3	9.0	7.3	6.2	5.0	4.2	3.4
95°	23.2	19.9	16.9	13.8	11.4	9.2	7.6	6.5	5.4	4.4	3.4
97.5°	22.5	19.4	16.6	13.7	11.5	9.6	8.0	6.9	5.9	4.8	3.7
100°	21.9	18.9	16.3	13.8	11.6	10.0	8.5	7.4	6.2	5.0	4.0
102.5°	21.3	18.6	16.1	13.9	11.7	10.4	8.7	7.6	6.5	5.3	4.3
105°	20.7	18.2	15.9	14.0	12.0	10.6	9.2	7.9	6.8	5.7	4.6
107.5°	20.2	17.9	15.8	14.0	12.3	10.8	9.6	8.2	7.2	6.2	5.0
110°	19.7	17.6	15.6	14.0	12.5	11.1	9.9	8.8	7.7	6.6	5.4



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	19.1	17.3	15.3	13.9	12.6	11.3	10.3	9.3	8.0	6.8	5.7
115°	18.5	16.7	15.1	13.5	12.7	11.4	10.4	9.4	8.1	7.0	5.9
117.5°	17.7	16.1	14.7	13.2	12.1	11.5	10.3	9.2	8.3	7.1	6.1
120°	16.9	15.3	14.1	13.0	11.7	10.9	10.3	9.2	8.2	7.2	6.2
122.5°	16.0	14.4	13.4	12.5	11.6	10.5	9.8	9.2	8.2	7.2	6.3
125°	15.2	14.0	12.9	12.1	11.2	10.3	9.4	8.6	8.1	7.3	6.4
127.5°	14.6	13.8	12.6	11.6	10.8	10.0	9.1	8.3	7.6	7.0	6.3
130°	13.9	13.1	12.4	11.3	10.3	9.6	8.9	8.0	7.2	6.5	5.8
132.5°	13.4	12.5	11.7	11.0	10.1	9.2	8.4	7.8	7.1	6.2	5.4
135°	12.9	12.0	11.2	10.4	9.7	9.0	8.1	7.3	6.6	6.0	5.3
137.5°	12.4	11.6	10.8	10.0	9.1	8.5	7.9	7.2	6.4	5.6	4.9
140°	11.8	11.1	10.4	9.7	8.9	8.1	7.3	6.7	6.1	5.5	4.8
142.5°	11.2	10.5	9.9	9.4	8.6	7.9	7.2	6.4	5.7	5.0	4.4
145°	10.8	10.0	9.3	8.7	8.2	7.6	7.0	6.3	5.6	5.0	4.3
147.5°	9.9	9.4	8.9	8.2	7.6	7.0	6.5	6.0	5.4	4.8	4.2
150°	9.2	8.6	8.2	7.7	7.3	6.7	6.1	5.5	4.9	4.4	3.9
152.5°	8.7	8.2	7.6	7.1	6.6	6.2	5.7	5.2	4.7	4.2	3.6
155°	7.8	7.5	7.1	6.7	6.2	5.7	5.2	4.7	4.3	3.8	3.4
157.5°	7.2	6.8	6.4	6.0	5.6	5.3	4.9	4.4	4.0	3.5	3.1
160°	6.6	6.2	5.8	5.4	5.1	4.7	4.3	3.9	3.6	3.2	2.8
162.5°	5.7	5.4	5.2	4.9	4.6	4.3	3.9	3.5	3.2	2.8	2.5
165°	4.9	4.6	4.4	4.2	3.9	3.6	3.4	3.1	2.8	2.5	2.2
167.5°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8
170°	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4
172.5°	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1
175°	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
177.5°	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4
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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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	0.3	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.2	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	0.8	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°	1.6	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.0
15°	1.9	1.6	1.3	1.0	0.6	0.3	0.0	0.3	0.6	1.0	1.3
17.5°	2.1	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
20°	2.4	2.0	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
22.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
25°	2.9	2.4	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
27.5°	3.1	2.6	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
30°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
32.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
35°	3.7	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
37.5°	3.8	3.2	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
40°	4.1	3.4	2.7	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.7
42.5°	4.2	3.5	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
45°	4.5	3.7	3.0	2.2	1.5	0.7	0.0	0.7	1.5	2.2	3.0
47.5°	4.6	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
50°	5.0	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
52.5°	5.5	4.5	3.6	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.6
55°	5.5	4.5	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
57.5°	5.4	4.4	3.5	2.6	1.7	0.8	0.0	0.8	1.7	2.6	3.5
60°	5.3	4.3	3.4	2.5	1.6	0.8	0.0	0.8	1.6	2.5	3.4
62.5°	5.1	4.2	3.3	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.3
65°	4.9	4.0	3.1	2.3	1.5	0.7	0.0	0.7	1.5	2.3	3.1
67.5°	4.6	3.7	2.9	2.1	1.3	0.6	0.0	0.6	1.3	2.1	2.9
70°	4.3	3.4	2.6	1.9	1.2	0.6	0.0	0.6	1.2	1.9	2.6
72.5°	3.9	3.1	2.3	1.6	0.9	0.4	0.0	0.4	0.9	1.6	2.3
75°	3.8	2.9	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
77.5°	3.4	2.4	1.8	1.2	0.4	0.1	0.0	0.1	0.4	1.2	1.8
80°	2.9	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
82.5°	2.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.9	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
102.5°	3.4	2.4	1.8	1.2	0.4	0.1	0.0	0.1	0.4	1.2	1.8
105°	3.8	2.9	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
107.5°	3.9	3.1	2.3	1.6	0.9	0.4	0.0	0.4	0.9	1.6	2.3
110°	4.3	3.4	2.6	1.9	1.2	0.6	0.0	0.6	1.2	1.9	2.6



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	4.6	3.7	2.9	2.1	1.3	0.6	0.0	0.6	1.3	2.1	2.9
115°	4.9	4.0	3.1	2.3	1.5	0.7	0.0	0.7	1.5	2.3	3.1
117.5°	5.1	4.2	3.3	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.3
120°	5.3	4.3	3.4	2.5	1.6	0.8	0.0	0.8	1.6	2.5	3.4
122.5°	5.4	4.4	3.5	2.6	1.7	0.8	0.0	0.8	1.7	2.6	3.5
125°	5.5	4.5	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
127.5°	5.5	4.5	3.6	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.6
130°	5.0	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
132.5°	4.6	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
135°	4.5	3.7	3.0	2.2	1.5	0.7	0.0	0.7	1.5	2.2	3.0
137.5°	4.2	3.5	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
140°	4.1	3.4	2.7	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.7
142.5°	3.8	3.2	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
145°	3.7	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
147.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
150°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
152.5°	3.1	2.6	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
155°	2.9	2.4	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
157.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
160°	2.4	2.0	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
162.5°	2.1	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
165°	1.9	1.6	1.3	1.0	0.6	0.3	0.0	0.3	0.6	1.0	1.3
167.5°	1.6	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	0.8	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	0.3	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.2	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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	0.3	0.3	0.4	0.4	0.5	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	1.2	1.3	1.4	1.4
7.5°	0.8	0.9	1.1	1.2	1.4	1.5	1.7	1.8	1.9	2.1	2.2
10°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.9
12.5°	1.3	1.6	1.8	2.1	2.3	2.5	2.8	3.0	3.2	3.4	3.7
15°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.6	3.9	4.2	4.4
17.5°	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.3	4.6	4.9	5.2
20°	2.0	2.4	2.8	3.2	3.6	3.9	4.3	4.7	5.1	5.4	5.8
22.5°	2.2	2.6	3.1	3.5	4.0	4.4	4.9	5.3	5.6	6.0	6.4
25°	2.4	2.9	3.4	3.8	4.3	4.7	5.2	5.7	6.2	6.7	7.1
27.5°	2.6	3.1	3.6	4.2	4.7	5.2	5.7	6.2	6.6	7.1	7.6
30°	2.8	3.4	3.9	4.4	4.9	5.5	6.1	6.7	7.3	7.7	8.2
32.5°	3.0	3.6	4.2	4.8	5.4	6.0	6.5	7.0	7.6	8.2	8.9
35°	3.0	3.7	4.3	5.0	5.6	6.3	7.0	7.6	8.2	8.7	9.3
37.5°	3.2	3.8	4.4	5.0	5.7	6.4	7.2	7.9	8.6	9.4	9.9
40°	3.4	4.1	4.8	5.5	6.1	6.7	7.3	8.1	8.9	9.7	10.4
42.5°	3.5	4.2	4.9	5.6	6.4	7.2	7.9	8.5	9.1	10.0	10.8
45°	3.7	4.5	5.3	6.0	6.6	7.3	8.1	9.0	9.7	10.4	11.2
47.5°	3.9	4.6	5.4	6.2	7.1	7.8	8.4	9.2	10.1	11.0	11.7
50°	4.2	5.0	5.8	6.5	7.2	8.0	8.9	9.6	10.3	11.3	12.4
52.5°	4.5	5.5	6.3	7.0	7.6	8.3	9.1	10.0	10.8	11.6	12.6
55°	4.5	5.5	6.4	7.3	8.1	8.6	9.4	10.3	11.2	12.1	12.9
57.5°	4.4	5.4	6.3	7.2	8.2	9.2	9.8	10.5	11.6	12.5	13.4
60°	4.3	5.3	6.2	7.2	8.2	9.2	10.3	10.9	11.7	13.0	14.1
62.5°	4.2	5.1	6.1	7.1	8.3	9.2	10.3	11.5	12.1	13.2	14.7
65°	4.0	4.9	5.9	7.0	8.1	9.4	10.4	11.4	12.7	13.5	15.1
67.5°	3.7	4.6	5.7	6.8	8.0	9.3	10.3	11.3	12.6	13.9	15.3
70°	3.4	4.3	5.4	6.6	7.7	8.8	9.9	11.1	12.5	14.0	15.6
72.5°	3.1	3.9	5.0	6.2	7.2	8.2	9.6	10.8	12.3	14.0	15.8
75°	2.9	3.8	4.6	5.7	6.8	7.9	9.2	10.6	12.0	14.0	15.9
77.5°	2.4	3.4	4.3	5.3	6.5	7.6	8.7	10.4	11.7	13.9	16.1
80°	2.1	2.9	4.0	5.0	6.2	7.4	8.5	10.0	11.6	13.8	16.3
82.5°	1.5	2.5	3.7	4.8	5.9	6.9	8.0	9.6	11.5	13.7	16.6
85°	0.7	2.3	3.4	4.4	5.4	6.5	7.6	9.2	11.4	13.8	16.9
87.5°	0.2	2.2	3.4	4.2	5.0	6.2	7.3	9.0	11.3	13.9	17.3
90°	0.0	2.4	3.6	4.2	4.8	6.0	7.1	8.9	11.3	14.3	17.9
92.5°	0.2	2.2	3.4	4.2	5.0	6.2	7.3	9.0	11.3	13.9	17.3
95°	0.7	2.3	3.4	4.4	5.4	6.5	7.6	9.2	11.4	13.8	16.9
97.5°	1.5	2.5	3.7	4.8	5.9	6.9	8.0	9.6	11.5	13.7	16.6
100°	2.1	2.9	4.0	5.0	6.2	7.4	8.5	10.0	11.6	13.8	16.3
102.5°	2.4	3.4	4.3	5.3	6.5	7.6	8.7	10.4	11.7	13.9	16.1
105°	2.9	3.8	4.6	5.7	6.8	7.9	9.2	10.6	12.0	14.0	15.9
107.5°	3.1	3.9	5.0	6.2	7.2	8.2	9.6	10.8	12.3	14.0	15.8
110°	3.4	4.3	5.4	6.6	7.7	8.8	9.9	11.1	12.5	14.0	15.6



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	3.7	4.6	5.7	6.8	8.0	9.3	10.3	11.3	12.6	13.9	15.3
115°	4.0	4.9	5.9	7.0	8.1	9.4	10.4	11.4	12.7	13.5	15.1
117.5°	4.2	5.1	6.1	7.1	8.3	9.2	10.3	11.5	12.1	13.2	14.7
120°	4.3	5.3	6.2	7.2	8.2	9.2	10.3	10.9	11.7	13.0	14.1
122.5°	4.4	5.4	6.3	7.2	8.2	9.2	9.8	10.5	11.6	12.5	13.4
125°	4.5	5.5	6.4	7.3	8.1	8.6	9.4	10.3	11.2	12.1	12.9
127.5°	4.5	5.5	6.3	7.0	7.6	8.3	9.1	10.0	10.8	11.6	12.6
130°	4.2	5.0	5.8	6.5	7.2	8.0	8.9	9.6	10.3	11.3	12.4
132.5°	3.9	4.6	5.4	6.2	7.1	7.8	8.4	9.2	10.1	11.0	11.7
135°	3.7	4.5	5.3	6.0	6.6	7.3	8.1	9.0	9.7	10.4	11.2
137.5°	3.5	4.2	4.9	5.6	6.4	7.2	7.9	8.5	9.1	10.0	10.8
140°	3.4	4.1	4.8	5.5	6.1	6.7	7.3	8.1	8.9	9.7	10.4
142.5°	3.2	3.8	4.4	5.0	5.7	6.4	7.2	7.9	8.6	9.4	9.9
145°	3.0	3.7	4.3	5.0	5.6	6.3	7.0	7.6	8.2	8.7	9.3
147.5°	3.0	3.6	4.2	4.8	5.4	6.0	6.5	7.0	7.6	8.2	8.9
150°	2.8	3.4	3.9	4.4	4.9	5.5	6.1	6.7	7.3	7.7	8.2
152.5°	2.6	3.1	3.6	4.2	4.7	5.2	5.7	6.2	6.6	7.1	7.6
155°	2.4	2.9	3.4	3.8	4.3	4.7	5.2	5.7	6.2	6.7	7.1
157.5°	2.2	2.6	3.1	3.5	4.0	4.4	4.9	5.3	5.6	6.0	6.4
160°	2.0	2.4	2.8	3.2	3.6	3.9	4.3	4.7	5.1	5.4	5.8
162.5°	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.3	4.6	4.9	5.2
165°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.6	3.9	4.2	4.4
167.5°	1.3	1.6	1.8	2.1	2.3	2.5	2.8	3.0	3.2	3.4	3.7
170°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.9
172.5°	0.8	0.9	1.1	1.2	1.4	1.5	1.7	1.8	1.9	2.1	2.2
175°	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.4
177.5°	0.3	0.3	0.4	0.4	0.5	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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
5°	1.5	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.2
7.5°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2
10°	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.3
12.5°	3.9	4.1	4.2	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.4
15°	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.5
17.5°	5.4	5.7	6.0	6.2	6.5	6.7	6.9	7.1	7.3	7.4	7.6
20°	6.2	6.6	6.9	7.1	7.4	7.7	7.9	8.1	8.3	8.5	8.7
22.5°	6.8	7.2	7.6	8.1	8.4	8.7	8.9	9.2	9.4	9.6	9.8
25°	7.5	7.8	8.2	8.7	9.2	9.7	9.9	10.2	10.5	10.7	11.3
27.5°	8.2	8.7	9.1	9.4	9.8	10.4	11.1	11.9	12.6	13.3	14.2
30°	8.6	9.2	9.8	10.4	11.0	11.7	12.6	13.6	14.6	15.6	16.7
32.5°	9.4	9.9	10.5	11.3	12.2	13.0	13.8	14.9	16.1	17.4	18.8
35°	10.0	10.8	11.4	12.0	12.9	13.9	14.9	16.1	17.4	18.9	20.5
37.5°	10.5	11.2	12.1	12.8	13.6	14.6	15.7	17.0	18.5	20.1	21.9
40°	11.1	11.8	12.5	13.4	14.3	15.2	16.4	17.8	19.4	21.2	23.2
42.5°	11.6	12.4	13.1	13.9	14.9	15.9	17.0	18.4	20.1	22.1	24.4
45°	12.0	12.9	13.7	14.5	15.5	16.5	17.7	19.0	20.7	22.9	25.4
47.5°	12.5	13.4	14.2	15.0	16.0	17.1	18.2	19.6	21.3	23.4	26.2
50°	13.1	13.9	14.8	15.6	16.5	17.7	18.9	20.3	22.4	24.7	27.3
52.5°	13.8	14.6	15.4	16.3	17.1	18.9	20.9	22.9	24.8	26.8	28.9
55°	14.0	15.2	16.2	17.7	19.4	21.1	23.3	25.4	27.5	29.2	30.9
57.5°	14.4	16.0	17.8	19.4	21.4	23.4	25.6	27.9	30.3	31.9	33.2
60°	15.3	16.9	19.0	20.9	23.1	25.5	27.9	30.4	32.9	34.7	35.8
62.5°	16.1	17.7	19.8	22.2	24.6	27.4	30.1	32.8	35.5	37.7	38.7
65°	16.7	18.5	20.6	23.3	26.0	29.0	32.1	35.1	38.1	40.8	41.7
67.5°	17.3	19.1	21.4	24.2	27.3	30.5	34.1	37.5	40.6	43.7	44.7
70°	17.6	19.7	22.1	25.0	28.4	31.9	36.0	39.8	43.1	46.3	47.1
72.5°	17.9	20.2	22.7	25.7	29.4	33.1	37.0	40.7	43.6	46.0	46.9
75°	18.2	20.7	23.4	26.5	30.1	33.8	37.6	41.2	44.0	46.0	46.9
77.5°	18.6	21.3	24.1	27.4	31.0	34.7	38.3	41.9	44.6	46.2	46.9
80°	18.9	21.9	25.0	28.2	32.0	35.7	39.2	42.7	45.4	46.6	46.9
82.5°	19.4	22.5	25.9	29.2	33.2	36.9	40.2	43.7	46.3	47.0	47.0
85°	19.9	23.2	26.8	30.2	34.5	38.2	41.4	44.7	47.3	47.6	47.0
87.5°	20.6	24.0	28.0	31.4	35.9	39.6	42.7	45.9	48.3	48.2	47.1
90°	21.4	25.0	29.2	32.8	37.5	41.1	44.1	47.1	49.4	48.8	47.1
92.5°	20.6	24.0	28.0	31.4	35.9	39.6	42.7	45.9	48.3	48.2	47.1
95°	19.9	23.2	26.8	30.2	34.5	38.2	41.4	44.7	47.3	47.6	47.0
97.5°	19.4	22.5	25.9	29.2	33.2	36.9	40.2	43.7	46.3	47.0	47.0
100°	18.9	21.9	25.0	28.2	32.0	35.7	39.2	42.7	45.4	46.6	46.9
102.5°	18.6	21.3	24.1	27.4	31.0	34.7	38.3	41.9	44.6	46.2	46.9
105°	18.2	20.7	23.4	26.5	30.1	33.8	37.6	41.2	44.0	46.0	46.9
107.5°	17.9	20.2	22.7	25.7	29.4	33.1	37.0	40.7	43.6	46.0	46.9
110°	17.6	19.7	22.1	25.0	28.4	31.9	36.0	39.8	43.1	46.3	47.1



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	17.3	19.1	21.4	24.2	27.3	30.5	34.1	37.5	40.6	43.7	44.7
115°	16.7	18.5	20.6	23.3	26.0	29.0	32.1	35.1	38.1	40.8	41.7
117.5°	16.1	17.7	19.8	22.2	24.6	27.4	30.1	32.8	35.5	37.7	38.7
120°	15.3	16.9	19.0	20.9	23.1	25.5	27.9	30.4	32.9	34.7	35.8
122.5°	14.4	16.0	17.8	19.4	21.4	23.4	25.6	27.9	30.3	31.9	33.2
125°	14.0	15.2	16.2	17.7	19.4	21.1	23.3	25.4	27.5	29.2	30.9
127.5°	13.8	14.6	15.4	16.3	17.1	18.9	20.9	22.9	24.8	26.8	28.9
130°	13.1	13.9	14.8	15.6	16.5	17.7	18.9	20.3	22.4	24.7	27.3
132.5°	12.5	13.4	14.2	15.0	16.0	17.1	18.2	19.6	21.3	23.4	26.2
135°	12.0	12.9	13.7	14.5	15.5	16.5	17.7	19.0	20.7	22.9	25.4
137.5°	11.6	12.4	13.1	13.9	14.9	15.9	17.0	18.4	20.1	22.1	24.4
140°	11.1	11.8	12.5	13.4	14.3	15.2	16.4	17.8	19.4	21.2	23.2
142.5°	10.5	11.2	12.1	12.8	13.6	14.6	15.7	17.0	18.5	20.1	21.9
145°	10.0	10.8	11.4	12.0	12.9	13.9	14.9	16.1	17.4	18.9	20.5
147.5°	9.4	9.9	10.5	11.3	12.2	13.0	13.8	14.9	16.1	17.4	18.8
150°	8.6	9.2	9.8	10.4	11.0	11.7	12.6	13.6	14.6	15.6	16.7
152.5°	8.2	8.7	9.1	9.4	9.8	10.4	11.1	11.9	12.6	13.3	14.2
155°	7.5	7.8	8.2	8.7	9.2	9.7	9.9	10.2	10.5	10.7	11.3
157.5°	6.8	7.2	7.6	8.1	8.4	8.7	8.9	9.2	9.4	9.6	9.8
160°	6.2	6.6	6.9	7.1	7.4	7.7	7.9	8.1	8.3	8.5	8.7
162.5°	5.4	5.7	6.0	6.2	6.5	6.7	6.9	7.1	7.3	7.4	7.6
165°	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.5
167.5°	3.9	4.1	4.2	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.4
170°	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.3
172.5°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2
175°	1.5	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.2
177.5°	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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	1.2	1.2	1.2	1.2	1.2	1.2	1.3
5°	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.7
7.5°	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	4.0
10°	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8	5.4
12.5°	5.5	5.6	5.7	5.7	5.8	5.9	5.9	5.9	5.9	5.9	6.7
15°	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.1	7.1	7.1	8.1
17.5°	7.7	7.8	8.0	8.1	8.1	8.2	8.3	8.3	8.3	8.3	9.4
20°	8.8	9.0	9.1	9.2	9.3	9.4	9.4	9.5	9.5	9.5	10.7
22.5°	10.0	10.1	10.3	10.4	10.5	10.6	10.6	10.7	10.7	10.7	12.1
25°	11.9	12.5	13.1	13.6	14.0	14.3	14.5	14.6	14.6	14.5	15.9
27.5°	15.1	16.0	16.9	17.6	18.1	18.5	18.6	18.6	18.5	18.4	19.8
30°	17.9	19.2	20.3	21.5	22.1	22.8	22.8	22.7	22.5	22.2	23.7
32.5°	20.3	22.0	23.6	25.0	26.1	26.9	27.0	26.8	26.5	26.1	27.5
35°	22.4	24.4	26.5	28.4	30.0	30.9	31.2	30.9	30.5	29.9	31.4
37.5°	24.1	26.5	29.1	31.5	33.9	34.9	35.5	35.0	34.5	33.8	35.2
40°	25.6	28.3	31.4	34.5	37.2	38.9	39.8	39.2	38.5	37.6	39.0
42.5°	26.7	30.0	33.5	37.4	40.5	42.8	44.2	43.4	42.5	41.5	42.8
45°	28.0	31.4	35.3	39.7	43.6	46.7	48.2	47.6	46.5	45.3	46.5
47.5°	29.2	32.2	36.1	40.3	44.3	47.7	49.4	49.5	49.1	48.9	51.4
50°	30.0	32.5	36.1	40.0	44.1	47.9	50.2	51.2	51.7	52.4	56.3
52.5°	31.2	33.3	36.3	39.9	44.0	47.9	51.0	52.8	54.1	56.0	61.3
55°	32.7	34.5	36.7	39.9	43.9	48.0	51.6	54.3	56.5	59.6	66.4
57.5°	34.5	35.8	37.4	40.2	43.9	48.1	52.2	55.7	58.8	63.1	71.6
60°	36.7	37.4	38.3	40.7	44.1	48.2	52.7	57.1	61.0	66.7	76.8
62.5°	39.1	39.3	39.6	41.4	44.3	48.3	53.2	58.3	63.2	70.3	82.1
65°	41.8	41.4	41.2	42.2	44.7	48.5	53.6	59.5	65.4	73.8	87.4
67.5°	44.5	43.7	42.8	43.1	45.1	48.7	54.0	60.6	67.5	77.4	92.8
70°	46.3	44.8	43.3	43.1	44.8	48.2	53.5	60.1	66.9	77.0	92.3
72.5°	46.1	44.5	43.0	42.8	44.3	47.7	53.0	59.5	66.4	76.6	91.8
75°	45.9	44.2	42.7	42.4	43.9	47.2	52.5	58.9	65.9	76.2	91.7
77.5°	45.7	43.8	42.3	42.1	43.5	46.8	52.1	58.3	65.4	75.8	90.9
80°	45.5	43.5	41.8	41.7	43.0	46.4	51.7	57.8	64.9	75.5	90.2
82.5°	45.4	43.1	41.4	41.4	42.7	46.1	51.4	57.3	64.4	75.1	89.4
85°	45.2	42.6	40.9	41.1	42.3	45.8	51.1	56.9	63.9	74.7	88.6
87.5°	45.0	42.2	40.4	40.8	42.0	45.5	50.8	56.4	63.5	74.3	87.8
90°	44.7	41.7	39.9	40.5	41.7	45.3	50.6	56.0	63.1	73.9	87.0
92.5°	45.0	42.2	40.4	40.8	42.0	45.5	50.8	56.4	63.5	74.3	87.8
95°	45.2	42.6	40.9	41.1	42.3	45.8	51.1	56.9	63.9	74.7	88.6
97.5°	45.4	43.1	41.4	41.4	42.7	46.1	51.4	57.3	64.4	75.1	89.4
100°	45.5	43.5	41.8	41.7	43.0	46.4	51.7	57.8	64.9	75.5	90.2
102.5°	45.7	43.8	42.3	42.1	43.5	46.8	52.1	58.3	65.4	75.8	90.9
105°	45.9	44.2	42.7	42.4	43.9	47.2	52.5	58.9	65.9	76.2	91.7
107.5°	46.1	44.5	43.0	42.8	44.3	47.7	53.0	59.5	66.4	76.6	91.8
110°	46.3	44.8	43.3	43.1	44.8	48.2	53.5	60.1	66.9	77.0	92.3



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	44.5	43.7	42.8	43.1	45.1	48.7	54.0	60.6	67.5	77.4	92.8
115°	41.8	41.4	41.2	42.2	44.7	48.5	53.6	59.5	65.4	73.8	87.4
117.5°	39.1	39.3	39.6	41.4	44.3	48.3	53.2	58.3	63.2	70.3	82.1
120°	36.7	37.4	38.3	40.7	44.1	48.2	52.7	57.1	61.0	66.7	76.8
122.5°	34.5	35.8	37.4	40.2	43.9	48.1	52.2	55.7	58.8	63.1	71.6
125°	32.7	34.5	36.7	39.9	43.9	48.0	51.6	54.3	56.5	59.6	66.4
127.5°	31.2	33.3	36.3	39.9	44.0	47.9	51.0	52.8	54.1	56.0	61.3
130°	30.0	32.5	36.1	40.0	44.1	47.9	50.2	51.2	51.7	52.4	56.3
132.5°	29.2	32.2	36.1	40.3	44.3	47.7	49.4	49.5	49.1	48.9	51.4
135°	28.0	31.4	35.3	39.7	43.6	46.7	48.2	47.6	46.5	45.3	46.5
137.5°	26.7	30.0	33.5	37.4	40.5	42.8	44.2	43.4	42.5	41.5	42.8
140°	25.6	28.3	31.4	34.5	37.2	38.9	39.8	39.2	38.5	37.6	39.0
142.5°	24.1	26.5	29.1	31.5	33.9	34.9	35.5	35.0	34.5	33.8	35.2
145°	22.4	24.4	26.5	28.4	30.0	30.9	31.2	30.9	30.5	29.9	31.4
147.5°	20.3	22.0	23.6	25.0	26.1	26.9	27.0	26.8	26.5	26.1	27.5
150°	17.9	19.2	20.3	21.5	22.1	22.8	22.8	22.7	22.5	22.2	23.7
152.5°	15.1	16.0	16.9	17.6	18.1	18.5	18.6	18.6	18.5	18.4	19.8
155°	11.9	12.5	13.1	13.6	14.0	14.3	14.5	14.6	14.6	14.5	15.9
157.5°	10.0	10.1	10.3	10.4	10.5	10.6	10.6	10.7	10.7	10.7	12.1
160°	8.8	9.0	9.1	9.2	9.3	9.4	9.4	9.5	9.5	9.5	10.7
162.5°	7.7	7.8	8.0	8.1	8.1	8.2	8.3	8.3	8.3	8.3	9.4
165°	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.1	7.1	7.1	8.1
167.5°	5.5	5.6	5.7	5.7	5.8	5.9	5.9	5.9	5.9	5.9	6.7
170°	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8	5.4
172.5°	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	4.0
175°	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.7
177.5°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7	2.8
5°	3.0	3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.7
7.5°	4.5	4.9	5.4	5.8	6.2	6.6	7.1	7.6	8.2	8.7	9.3
10°	6.0	6.6	7.2	7.7	8.4	9.1	9.9	10.7	11.4	12.1	12.8
12.5°	7.5	8.2	9.0	9.8	10.8	11.8	12.7	13.6	14.5	15.3	16.1
15°	9.0	9.9	10.8	12.0	13.2	14.3	15.5	16.5	17.4	18.4	19.5
17.5°	10.5	11.5	12.8	14.2	15.5	16.8	18.0	19.1	20.3	21.4	22.4
20°	11.9	13.2	14.7	16.3	17.8	19.1	20.4	21.7	23.0	24.2	25.4
22.5°	13.4	14.9	16.7	18.4	19.9	21.3	22.7	24.2	25.5	26.9	28.3
25°	17.3	18.9	20.7	22.3	23.7	24.9	26.2	27.3	28.4	29.5	31.0
27.5°	21.2	23.1	25.0	26.6	28.1	29.4	30.6	31.8	33.0	34.1	34.9
30°	25.1	27.2	29.3	30.9	32.5	33.7	34.9	36.2	37.5	38.4	39.1
32.5°	29.1	31.3	33.4	35.1	36.6	37.9	39.2	40.6	41.6	42.4	43.4
35°	33.0	35.4	37.4	39.3	40.7	42.0	43.4	44.7	45.4	46.3	47.7
37.5°	37.0	39.4	41.5	43.4	44.6	45.9	47.5	48.4	49.2	50.3	51.8
40°	40.9	43.4	45.5	47.3	48.4	49.9	51.4	52.0	52.9	54.1	56.3
42.5°	44.8	47.4	49.6	51.1	52.2	53.8	54.8	55.4	56.4	58.0	60.5
45°	48.6	51.3	53.5	54.8	56.0	57.6	58.2	58.8	59.7	62.0	64.6
47.5°	54.9	58.7	61.8	63.0	63.6	63.8	63.2	62.6	63.3	65.9	68.6
50°	61.4	66.7	71.1	73.4	73.5	73.0	72.3	71.9	72.4	73.3	74.4
52.5°	68.2	75.0	80.6	84.0	83.0	82.1	81.6	81.4	82.1	83.0	84.5
55°	75.1	83.6	90.4	94.3	92.1	91.3	90.9	91.0	91.6	92.3	93.9
57.5°	82.2	92.3	100.4	104.1	101.1	100.4	100.3	100.5	100.9	101.5	102.9
60°	89.4	101.3	110.6	113.7	110.2	109.5	109.7	109.9	110.0	110.4	111.2
62.5°	96.7	110.4	121.0	123.0	119.3	118.8	119.0	119.1	118.9	118.9	118.9
65°	104.1	119.7	131.6	132.1	128.4	128.1	128.4	128.1	127.5	127.0	126.0
67.5°	111.6	129.1	142.3	141.1	137.5	137.4	137.6	137.0	135.9	134.6	132.7
70°	111.5	129.9	144.6	145.0	143.4	143.6	143.9	143.6	142.9	141.5	138.9
72.5°	111.0	130.0	145.8	148.1	148.1	147.8	147.3	146.8	145.6	143.5	141.2
75°	110.5	130.0	147.1	151.8	152.9	151.8	150.6	150.0	148.3	145.5	143.1
77.5°	109.8	129.9	148.3	155.9	157.8	155.7	153.9	153.2	150.8	147.5	145.0
80°	109.7	129.8	149.4	160.3	162.7	159.4	157.1	156.4	153.3	149.4	147.0
82.5°	108.6	130.1	151.3	164.9	167.6	163.0	160.3	159.6	155.7	151.3	149.1
85°	107.5	129.4	151.9	169.9	172.6	166.4	163.3	162.8	158.1	153.2	151.2
87.5°	106.5	128.8	152.5	174.3	177.4	170.2	166.6	166.0	160.6	155.1	153.3
90°	105.4	128.1	153.1	178.7	182.3	173.9	169.8	169.2	163.2	157.3	155.5
92.5°	106.5	128.8	152.5	174.3	177.4	170.2	166.6	166.0	160.6	155.1	153.3
95°	107.5	129.4	151.9	169.9	172.6	166.4	163.3	162.8	158.1	153.2	151.2
97.5°	108.6	130.1	151.3	164.9	167.6	163.0	160.3	159.6	155.7	151.3	149.1
100°	109.7	129.8	149.4	160.3	162.7	159.4	157.1	156.4	153.3	149.4	147.0
102.5°	109.8	129.9	148.3	155.9	157.8	155.7	153.9	153.2	150.8	147.5	145.0
105°	110.5	130.0	147.1	151.8	152.9	151.8	150.6	150.0	148.3	145.5	143.1
107.5°	111.0	130.0	145.8	148.1	148.1	147.8	147.3	146.8	145.6	143.5	141.2
110°	111.5	129.9	144.6	145.0	143.4	143.6	143.9	143.6	142.9	141.5	138.9



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	111.6	129.1	142.3	141.1	137.5	137.4	137.6	137.0	135.9	134.6	132.7
115°	104.1	119.7	131.6	132.1	128.4	128.1	128.4	128.1	127.5	127.0	126.0
117.5°	96.7	110.4	121.0	123.0	119.3	118.8	119.0	119.1	118.9	118.9	118.9
120°	89.4	101.3	110.6	113.7	110.2	109.5	109.7	109.9	110.0	110.4	111.2
122.5°	82.2	92.3	100.4	104.1	101.1	100.4	100.3	100.5	100.9	101.5	102.9
125°	75.1	83.6	90.4	94.3	92.1	91.3	90.9	91.0	91.6	92.3	93.9
127.5°	68.2	75.0	80.6	84.0	83.0	82.1	81.6	81.4	82.1	83.0	84.5
130°	61.4	66.7	71.1	73.4	73.5	73.0	72.3	71.9	72.4	73.3	74.4
132.5°	54.9	58.7	61.8	63.0	63.6	63.8	63.2	62.6	63.3	65.9	68.6
135°	48.6	51.3	53.5	54.8	56.0	57.6	58.2	58.8	59.7	62.0	64.6
137.5°	44.8	47.4	49.6	51.1	52.2	53.8	54.8	55.4	56.4	58.0	60.5
140°	40.9	43.4	45.5	47.3	48.4	49.9	51.4	52.0	52.9	54.1	56.3
142.5°	37.0	39.4	41.5	43.4	44.6	45.9	47.5	48.4	49.2	50.3	51.8
145°	33.0	35.4	37.4	39.3	40.7	42.0	43.4	44.7	45.4	46.3	47.7
147.5°	29.1	31.3	33.4	35.1	36.6	37.9	39.2	40.6	41.6	42.4	43.4
150°	25.1	27.2	29.3	30.9	32.5	33.7	34.9	36.2	37.5	38.4	39.1
152.5°	21.2	23.1	25.0	26.6	28.1	29.4	30.6	31.8	33.0	34.1	34.9
155°	17.3	18.9	20.7	22.3	23.7	24.9	26.2	27.3	28.4	29.5	31.0
157.5°	13.4	14.9	16.7	18.4	19.9	21.3	22.7	24.2	25.5	26.9	28.3
160°	11.9	13.2	14.7	16.3	17.8	19.1	20.4	21.7	23.0	24.2	25.4
162.5°	10.5	11.5	12.8	14.2	15.5	16.8	18.0	19.1	20.3	21.4	22.4
165°	9.0	9.9	10.8	12.0	13.2	14.3	15.5	16.5	17.4	18.4	19.5
167.5°	7.5	8.2	9.0	9.8	10.8	11.8	12.7	13.6	14.5	15.3	16.1
170°	6.0	6.6	7.2	7.7	8.4	9.1	9.9	10.7	11.4	12.1	12.8
172.5°	4.5	4.9	5.4	5.8	6.2	6.6	7.1	7.6	8.2	8.7	9.3
175°	3.0	3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.7
177.5°	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7	2.8
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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.6	3.7
5°	6.0	6.3	6.6	6.9	7.2	7.4	7.7	7.9	8.1	8.3	8.5
7.5°	9.8	10.2	10.7	11.1	11.5	11.9	12.3	12.6	12.9	13.2	13.5
10°	13.4	14.0	14.6	15.2	15.7	16.2	16.7	17.1	17.6	18.0	18.3
12.5°	16.9	17.7	18.4	19.1	19.8	20.4	21.0	21.6	22.1	22.7	23.2
15°	20.3	21.2	22.0	22.9	23.7	24.6	25.4	26.2	27.0	27.7	28.4
17.5°	23.5	24.7	25.6	26.7	27.7	28.8	29.7	30.6	31.5	32.3	33.1
20°	26.7	27.9	29.1	30.3	31.4	32.4	33.5	34.5	35.6	36.6	37.5
22.5°	29.7	31.0	32.2	33.3	34.5	35.9	37.3	38.6	39.7	40.6	41.3
25°	32.3	33.5	34.9	36.4	38.1	39.7	41.2	42.5	43.6	44.7	45.7
27.5°	35.6	36.5	38.0	39.9	42.0	43.9	45.9	47.4	49.0	50.4	51.5
30°	40.2	41.6	43.1	45.0	46.9	49.1	51.5	53.5	55.3	56.7	58.1
32.5°	44.8	46.5	48.6	50.8	53.2	55.6	58.0	60.2	62.1	63.9	65.4
35°	49.4	51.6	54.0	56.6	59.3	62.0	64.6	67.1	69.4	71.6	73.9
37.5°	54.2	56.6	59.4	62.3	65.4	68.3	71.2	74.0	76.9	80.0	82.6
40°	58.7	61.6	64.7	68.1	71.4	74.7	78.0	81.2	84.6	88.0	91.5
42.5°	63.3	66.4	70.1	73.8	77.5	81.1	84.7	88.7	92.9	97.0	101.5
45°	67.5	71.4	75.4	79.5	83.5	87.3	91.8	96.3	101.1	106.4	112.8
47.5°	72.1	76.4	80.9	85.1	89.2	94.1	98.9	103.9	109.9	116.7	125.1
50°	77.1	81.4	86.1	90.4	95.4	100.6	105.6	111.8	119.3	128.3	138.5
52.5°	86.8	89.6	92.4	95.8	101.8	106.4	112.4	120.0	129.4	140.6	154.3
55°	96.0	98.2	100.6	104.1	108.0	112.3	119.2	128.6	140.1	154.3	170.4
57.5°	104.3	105.8	108.0	111.3	115.0	121.2	128.5	137.5	151.8	168.2	186.5
60°	111.9	112.7	114.7	117.9	123.0	130.3	138.3	150.2	164.5	181.2	205.1
62.5°	118.8	119.2	120.6	124.0	131.5	139.1	148.6	161.5	177.7	199.6	224.4
65°	125.2	124.9	126.4	131.3	139.7	146.9	157.8	172.9	192.6	216.6	243.4
67.5°	131.0	129.8	131.9	139.1	146.9	154.8	166.5	183.2	206.5	232.1	261.0
70°	136.3	134.4	137.0	146.7	153.2	161.5	175.2	194.8	218.7	245.1	277.0
72.5°	139.2	138.6	143.2	153.4	158.8	167.1	182.7	204.6	228.5	256.9	289.2
75°	141.2	141.8	148.4	157.9	164.7	174.0	190.5	212.5	235.7	266.1	299.5
77.5°	143.3	144.9	153.2	162.7	170.4	181.3	198.8	220.4	244.6	274.3	307.6
80°	145.5	148.1	157.7	167.6	175.8	187.4	205.6	226.9	252.0	282.1	317.2
82.5°	147.7	151.1	161.8	172.5	180.9	192.5	211.0	232.0	257.2	287.6	324.1
85°	150.1	154.1	165.5	177.3	185.6	196.7	215.2	235.7	260.4	290.7	328.4
87.5°	152.5	157.0	168.9	182.0	190.3	200.4	218.7	238.7	262.4	292.7	331.3
90°	154.9	159.7	171.6	185.9	194.2	203.1	220.4	239.5	261.5	290.7	328.8
92.5°	152.5	157.0	168.9	182.0	190.3	200.4	218.7	238.7	262.4	292.7	331.3
95°	150.1	154.1	165.5	177.3	185.6	196.7	215.2	235.7	260.4	290.7	328.4
97.5°	147.7	151.1	161.8	172.5	180.9	192.5	211.0	232.0	257.2	287.6	324.1
100°	145.5	148.1	157.7	167.6	175.8	187.4	205.6	226.9	252.0	282.1	317.2
102.5°	143.3	144.9	153.2	162.7	170.4	181.3	198.8	220.4	244.6	274.3	307.6
105°	141.2	141.8	148.4	157.9	164.7	174.0	190.5	212.5	235.7	266.1	299.5
107.5°	139.2	138.6	143.2	153.4	158.8	167.1	182.7	204.6	228.5	256.9	289.2
110°	136.3	134.4	137.0	146.7	153.2	161.5	175.2	194.8	218.7	245.1	277.0



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	131.0	129.8	131.9	139.1	146.9	154.8	166.5	183.2	206.5	232.1	261.0
115°	125.2	124.9	126.4	131.3	139.7	146.9	157.8	172.9	192.6	216.6	243.4
117.5°	118.8	119.2	120.6	124.0	131.5	139.1	148.6	161.5	177.7	199.6	224.4
120°	111.9	112.7	114.7	117.9	123.0	130.3	138.3	150.2	164.5	181.2	205.1
122.5°	104.3	105.8	108.0	111.3	115.0	121.2	128.5	137.5	151.8	168.2	186.5
125°	95.9	98.2	100.6	104.1	108.0	112.3	119.2	128.6	140.1	154.3	170.4
127.5°	86.8	89.6	92.4	95.8	101.8	106.4	112.4	120.0	129.4	140.6	154.3
130°	77.1	81.4	86.1	90.4	95.4	100.6	105.6	111.8	119.3	128.3	138.5
132.5°	72.1	76.4	80.9	85.1	89.2	94.1	98.9	103.9	109.9	116.7	125.1
135°	67.5	71.4	75.4	79.5	83.5	87.3	91.8	96.3	101.1	106.4	112.8
137.5°	63.3	66.4	70.1	73.8	77.5	81.1	84.7	88.7	92.9	97.0	101.5
140°	58.7	61.6	64.7	68.1	71.4	74.7	78.0	81.2	84.6	88.0	91.5
142.5°	54.2	56.6	59.4	62.3	65.4	68.3	71.2	74.0	76.9	80.0	82.6
145°	49.4	51.6	54.0	56.6	59.3	62.0	64.6	67.1	69.4	71.6	73.9
147.5°	44.8	46.5	48.6	50.8	53.2	55.6	58.0	60.2	62.1	63.9	65.4
150°	40.2	41.6	43.1	45.0	46.9	49.1	51.5	53.5	55.3	56.7	58.1
152.5°	35.6	36.5	38.0	39.9	42.0	43.9	45.9	47.4	49.0	50.4	51.5
155°	32.3	33.5	34.9	36.4	38.1	39.7	41.2	42.5	43.6	44.7	45.7
157.5°	29.7	31.0	32.2	33.3	34.5	35.9	37.3	38.6	39.7	40.6	41.3
160°	26.7	27.9	29.1	30.3	31.4	32.4	33.5	34.5	35.6	36.6	37.5
162.5°	23.5	24.7	25.6	26.7	27.7	28.8	29.7	30.6	31.5	32.3	33.1
165°	20.3	21.2	22.0	22.9	23.7	24.6	25.4	26.2	27.0	27.7	28.4
167.5°	16.9	17.7	18.4	19.1	19.8	20.4	21.0	21.6	22.1	22.7	23.2
170°	13.4	14.0	14.6	15.2	15.7	16.2	16.7	17.1	17.6	18.0	18.3
172.5°	9.8	10.2	10.7	11.1	11.5	11.9	12.3	12.6	12.9	13.2	13.5
175°	6.0	6.3	6.6	6.9	7.2	7.4	7.7	7.9	8.1	8.3	8.5
177.5°	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.6	3.7
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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-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°	3.7	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.7
5°	8.6	8.8	8.9	9.0	9.0	9.1	9.1	9.1	9.3	9.2	9.1
7.5°	13.7	13.9	14.1	14.2	14.4	14.5	14.5	14.6	14.6	14.7	14.6
10°	18.7	18.9	19.2	19.4	19.6	19.8	19.9	19.9	20.0	20.2	20.0
12.5°	23.7	24.2	24.7	25.0	25.4	25.7	25.9	26.1	26.2	26.3	26.5
15°	29.0	29.6	30.2	30.7	31.2	31.6	31.9	32.2	32.5	32.7	32.9
17.5°	33.9	34.6	35.2	35.7	36.2	36.6	36.9	37.2	37.4	37.5	37.7
20°	38.3	39.0	39.3	39.6	39.7	39.7	39.7	39.5	39.3	39.1	38.8
22.5°	41.8	42.2	42.6	43.0	43.2	43.2	43.2	42.9	42.6	42.2	41.8
25°	46.6	47.2	47.6	47.9	48.0	47.9	47.7	47.3	46.8	46.1	45.3
27.5°	52.4	53.0	53.4	53.7	54.1	54.2	54.1	53.9	53.4	52.8	52.0
30°	59.1	60.0	60.8	61.3	62.5	63.4	64.2	64.8	65.1	65.2	65.0
32.5°	66.9	68.7	70.5	72.1	73.7	75.0	76.2	77.2	77.8	78.2	78.3
35°	76.2	78.5	80.7	82.8	85.0	87.9	90.6	93.0	95.1	96.8	98.0
37.5°	85.3	88.3	92.1	96.0	99.8	103.6	107.1	110.2	112.8	115.0	116.6
40°	95.6	99.9	105.0	110.1	114.9	120.2	125.9	131.2	135.9	139.9	143.2
42.5°	107.0	112.7	119.0	126.6	134.0	141.5	150.0	157.8	164.9	171.0	176.2
45°	119.5	127.8	135.8	146.2	156.8	168.2	178.0	188.1	197.2	205.2	211.9
47.5°	134.1	145.1	156.6	168.5	182.1	195.2	208.8	222.5	235.3	246.9	257.1
50°	151.3	164.5	179.1	193.5	209.6	226.6	244.2	262.7	279.2	293.8	306.1
52.5°	169.4	185.2	203.4	221.4	241.8	263.9	286.0	307.1	325.1	340.2	352.3
55°	187.7	208.5	230.2	254.8	279.8	306.1	331.1	353.2	370.3	382.4	390.2
57.5°	209.0	233.8	260.4	289.4	320.4	350.8	381.9	399.7	410.1	416.9	420.3
60°	231.3	259.5	290.3	323.1	358.2	390.1	417.4	434.3	438.6	441.8	443.6
62.5°	252.4	283.7	317.8	354.4	387.6	417.4	438.1	453.9	458.1	461.1	462.6
65°	273.1	304.8	341.4	378.4	411.2	437.2	457.7	470.2	475.1	478.1	480.3
67.5°	292.5	326.1	362.7	401.0	435.1	464.6	480.1	486.5	488.8	491.6	494.3
70°	309.7	346.6	385.9	426.4	468.4	487.7	497.0	499.1	500.1	503.1	506.9
72.5°	324.8	364.2	407.3	452.3	486.7	504.2	507.7	509.3	511.9	514.9	518.5
75°	337.4	380.9	425.4	467.2	497.2	511.6	515.0	516.8	520.7	526.4	529.4
77.5°	347.3	394.8	437.2	477.9	505.3	517.4	520.5	522.2	530.0	536.1	537.5
80°	358.9	403.1	444.4	487.9	515.9	524.4	526.8	531.7	537.4	541.6	539.7
82.5°	367.7	410.9	455.7	497.1	521.5	530.0	533.6	537.7	540.8	543.1	544.2
85°	372.4	416.0	462.9	505.0	525.4	532.0	535.8	537.8	537.6	543.4	550.9
87.5°	374.9	418.0	465.8	510.0	528.6	532.1	532.0	534.0	538.6	547.3	549.7
90°	370.5	416.4	464.1	511.1	530.2	531.4	526.6	530.8	545.1	552.2	550.4
92.5°	374.9	418.0	465.8	510.0	528.6	532.1	532.0	534.0	538.6	547.3	549.7
95°	372.4	416.0	462.9	505.0	525.4	532.0	535.8	537.8	537.6	543.4	550.9
97.5°	367.7	410.9	455.7	497.1	521.5	530.0	533.6	537.7	540.8	543.1	544.2
100°	358.9	403.1	444.4	487.9	515.9	524.4	526.8	531.7	537.4	541.6	539.7
102.5°	347.3	394.8	437.2	477.9	505.3	517.4	520.5	522.2	530.0	536.1	537.5
105°	337.4	380.9	425.4	467.2	497.2	511.6	515.0	516.8	520.7	526.4	529.4
107.5°	324.8	364.2	407.3	452.3	486.7	504.2	507.7	509.3	511.9	514.9	518.5
110°	309.7	346.6	385.9	426.4	468.4	487.7	497.0	499.1	500.1	503.1	506.9



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	292.5	326.1	362.7	401.0	435.1	464.6	480.1	486.5	488.8	491.6	494.3
115°	273.1	304.8	341.4	378.4	411.2	437.2	457.7	470.2	475.1	478.1	480.3
117.5°	252.4	283.7	317.8	354.4	387.6	417.4	438.1	453.9	458.1	461.1	462.6
120°	231.3	259.5	290.3	323.1	358.2	390.1	417.4	434.3	438.6	441.8	443.6
122.5°	209.0	233.8	260.4	289.4	320.4	350.8	381.9	399.7	410.1	416.9	420.3
125°	187.7	208.5	230.2	254.8	279.8	306.1	331.1	353.2	370.3	382.4	390.2
127.5°	169.4	185.2	203.4	221.4	241.8	263.9	286.0	307.1	325.1	340.2	352.3
130°	151.3	164.5	179.1	193.5	209.6	226.6	244.2	262.7	279.2	293.8	306.1
132.5°	134.1	145.1	156.6	168.5	182.1	195.2	208.8	222.5	235.3	246.9	257.1
135°	119.5	127.8	135.8	146.2	156.8	168.2	178.0	188.1	197.2	205.2	211.9
137.5°	107.0	112.7	119.0	126.6	134.0	141.5	150.0	157.8	164.9	171.0	176.2
140°	95.6	99.9	105.0	110.1	114.9	120.2	125.9	131.2	135.9	139.9	143.2
142.5°	85.3	88.3	92.1	96.0	99.8	103.6	107.1	110.2	112.8	115.0	116.6
145°	76.2	78.5	80.7	82.8	85.0	87.9	90.6	93.0	95.1	96.8	98.0
147.5°	66.9	68.7	70.5	72.1	73.7	75.0	76.2	77.2	77.8	78.2	78.3
150°	59.1	60.0	60.8	61.3	62.5	63.4	64.2	64.8	65.1	65.2	65.0
152.5°	52.4	53.0	53.4	53.7	54.1	54.2	54.1	53.9	53.4	52.8	52.0
155°	46.6	47.2	47.6	47.9	48.0	47.9	47.7	47.3	46.8	46.1	45.3
157.5°	41.8	42.2	42.6	43.0	43.2	43.2	43.2	42.9	42.6	42.2	41.8
160°	38.3	39.0	39.3	39.6	39.7	39.7	39.7	39.5	39.3	39.1	38.8
162.5°	33.9	34.6	35.2	35.7	36.2	36.6	36.9	37.2	37.4	37.5	37.7
165°	29.0	29.6	30.2	30.7	31.2	31.6	31.9	32.2	32.5	32.7	32.9
167.5°	23.7	24.2	24.7	25.0	25.4	25.7	25.9	26.1	26.2	26.3	26.5
170°	18.7	18.9	19.2	19.4	19.6	19.8	19.9	19.9	20.0	20.2	20.0
172.5°	13.7	13.9	14.1	14.2	14.4	14.5	14.5	14.6	14.6	14.7	14.6
175°	8.6	8.8	8.9	9.0	9.0	9.1	9.1	9.1	9.3	9.2	9.1
177.5°	3.7	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.7
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: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	3.7	3.6
5°	9.0	8.9
7.5°	14.4	14.3
10°	19.9	19.7
12.5°	26.3	26.2
15°	32.9	32.8
17.5°	37.6	37.5
20°	38.5	38.1
22.5°	41.2	40.5
25°	44.5	43.5
27.5°	51.2	50.0
30°	64.7	63.7
32.5°	78.2	77.4
35°	99.1	98.9
37.5°	117.9	118.0
40°	146.2	147.1
42.5°	180.9	182.9
45°	218.0	221.0
47.5°	266.5	271.6
50°	317.4	323.5
52.5°	362.9	368.1
55°	395.5	396.1
57.5°	421.9	419.4
60°	444.8	442.6
62.5°	462.6	461.1
65°	481.3	480.7
67.5°	496.5	497.4
70°	509.1	509.9
72.5°	520.1	520.1
75°	527.2	522.4
77.5°	532.4	526.0
80°	539.2	542.1
82.5°	546.7	548.6
85°	551.5	548.1
87.5°	552.7	549.2
90°	554.0	552.2
92.5°	552.7	549.2
95°	551.5	548.1
97.5°	546.7	548.6
100°	539.2	542.1
102.5°	532.4	526.0
105°	527.2	522.4
107.5°	520.1	520.1
110°	509.1	509.9



TEST NUMBER: P231898

CATALOG NUMBER: FVS4WM-2-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	496.5	497.4
115°	481.3	480.7
117.5°	462.6	461.1
120°	444.8	442.6
122.5°	421.9	419.4
125°	395.5	396.1
127.5°	362.9	368.1
130°	317.4	323.5
132.5°	266.5	271.6
135°	218.0	221.0
137.5°	180.9	182.9
140°	146.2	147.1
142.5°	117.9	118.0
145°	99.1	98.9
147.5°	78.2	77.4
150°	64.7	63.7
152.5°	51.2	50.0
155°	44.5	43.5
157.5°	41.2	40.5
160°	38.5	38.1
162.5°	37.6	37.5
165°	32.9	32.8
167.5°	26.3	26.2
170°	19.9	19.7
172.5°	14.4	14.3
175°	9.0	8.9
177.5°	3.7	3.6
180°	0.0	0.0

(END OF REPORT)