

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: P231900

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-2-LD4-30-1STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

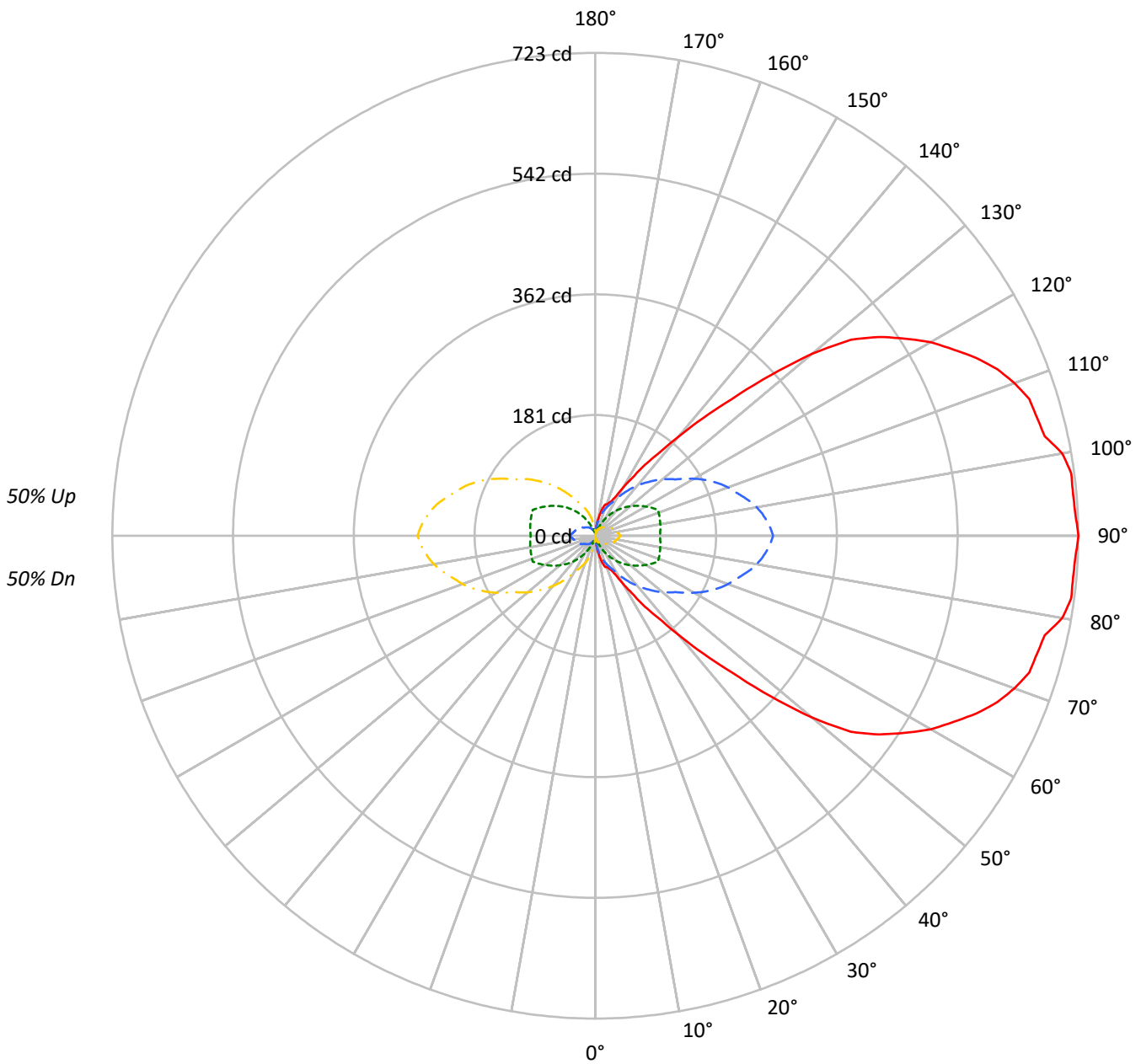
Lumens per Lamp: N/A
Luminaire Lumens: 1674.1 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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

TEST NUMBER: P231900

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

Luminous Intensity Polar Plot



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



TEST NUMBER: P231900

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	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°	307	92	0	92
10°	604	183	0	183
15°	920	276	0	276
20°	990	373	0	373
25°	1060	584	0	584
30°	1472	920	0	920
35°	2185	1286	0	1286
40°	3141	1692	0	1692
45°	4597	2160	0	2160
50°	6610	2680	0	2680
55°	8015	3304	0	3304
60°	8934	4083	0	4083
65°	9755	5078	0	5078
70°	10482	6102	0	6102
75°	10966	7180	0	7180
80°	11715	8854	0	8854
85°	12301	11725	0	11725



TEST NUMBER: P231900

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	5.2	0.3
20°-30°	14.0	0.8
30°-40°	32.4	1.9
40°-50°	64.5	3.9
50°-60°	115.7	6.9
60°-70°	169.8	10.1
70°-80°	207.6	12.4
80°-90°	227.0	13.6
90°-100°	227.0	13.6
100°-110°	207.6	12.4
110°-120°	169.8	10.1
120°-130°	115.7	6.9
130°-140°	64.5	3.9
140°-150°	32.4	1.9
150°-160°	14.0	0.8
160°-170°	5.2	0.3
170°-180°	0.7	0.0
0°-30°	20.0	1.2
0°-40°	52.4	3.1
0°-60°	232.7	13.9
0°-90°	837.1	50.0
90°-120°	604.4	36.1
90°-150°	817.1	48.8
90°-180°	837.0	50.0
0°-180°	1674.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	12	3	0	3	12	2
15°	43	9	0	9	43	12
25°	57	19	0	19	57	28
35°	130	39	0	39	130	84
45°	289	59	0	59	289	233
55°	519	78	0	78	519	461
65°	630	97	0	97	630	623
75°	684	100	0	100	684	726
85°	718	98	0	98	718	586
90°	723	97	0	97	723	395
95°	718	98	0	98	718	586
105°	684	100	0	100	684	726
115°	630	97	0	97	630	623
125°	519	78	0	78	519	461
135°	289	59	0	59	289	233
145°	130	39	0	39	130	84
155°	57	19	0	19	57	28
165°	43	9	0	9	43	12
175°	12	3	0	3	12	2
180°	0	0	0	0	0	



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.0	4.9	4.9	4.9
5°	11.7	11.8	12.0	12.1	12.2	12.0	12.0	11.9	11.9	11.8	11.6
7.5°	18.7	18.9	19.0	19.2	19.1	19.1	19.0	18.9	18.8	18.6	18.4
10°	25.7	25.9	26.1	26.3	26.1	26.0	25.9	25.8	25.6	25.4	25.1
12.5°	34.3	34.5	34.6	34.5	34.3	34.2	33.9	33.6	33.2	32.8	32.2
15°	42.9	43.0	43.1	42.7	42.5	42.2	41.8	41.3	40.8	40.2	39.5
17.5°	49.1	49.2	49.4	49.1	49.0	48.7	48.4	47.9	47.4	46.8	46.1
20°	49.9	50.4	50.8	51.2	51.5	51.8	51.9	52.0	52.0	51.8	51.5
22.5°	53.1	54.0	54.8	55.3	55.9	56.3	56.5	56.6	56.5	56.3	55.8
25°	57.0	58.3	59.4	60.4	61.3	62.0	62.5	62.8	62.9	62.8	62.4
27.5°	65.5	67.0	68.2	69.2	70.0	70.6	70.9	71.0	70.8	70.4	70.0
30°	83.5	84.8	85.2	85.5	85.4	84.9	84.2	83.1	81.8	80.3	79.6
32.5°	101.4	102.4	102.5	102.4	101.9	101.1	99.8	98.3	96.5	94.5	92.4
35°	129.5	129.7	128.4	126.7	124.5	121.8	118.6	115.0	111.2	108.4	105.7
37.5°	154.5	154.4	152.6	150.5	147.7	144.3	140.3	135.7	130.7	125.7	120.6
40°	192.7	191.5	187.6	183.3	178.0	171.8	164.8	157.3	150.4	144.1	137.5
42.5°	239.5	236.9	230.8	224.0	215.9	206.7	196.4	185.4	175.5	165.7	155.8
45°	289.4	285.5	277.5	268.7	258.2	246.3	233.1	220.4	205.4	191.5	177.8
47.5°	355.7	349.1	336.7	323.4	308.2	291.4	273.4	255.7	238.5	220.7	205.1
50°	423.6	415.7	400.9	384.7	365.7	344.0	319.9	296.8	274.4	253.4	234.6
52.5°	482.1	475.2	461.4	445.5	425.8	402.1	374.6	345.7	316.7	290.0	266.3
55°	518.8	518.1	511.1	500.8	484.9	462.6	433.7	400.9	366.5	333.7	301.5
57.5°	549.2	552.5	550.5	545.9	537.1	523.4	500.1	459.4	419.6	379.0	341.1
60°	579.7	582.5	581.0	578.6	574.5	568.8	546.6	510.8	469.1	423.1	380.2
62.5°	603.8	605.8	605.8	603.8	600.0	594.5	573.7	546.7	507.6	464.1	416.2
65°	629.6	630.3	629.0	626.2	622.2	615.9	599.4	572.6	538.5	495.6	447.1
67.5°	651.4	650.2	647.4	643.8	640.2	637.2	628.8	608.4	569.8	525.1	475.0
70°	667.8	666.8	663.8	658.9	655.0	653.6	650.9	638.8	613.4	558.3	505.3
72.5°	681.1	681.2	679.0	674.4	670.5	666.9	664.9	660.3	637.4	592.4	533.3
75°	684.2	690.5	693.4	689.4	682.0	676.8	674.5	669.9	651.1	611.9	557.1
77.5°	688.9	697.3	703.9	702.2	694.1	683.9	681.7	677.6	661.7	625.8	572.6
80°	709.9	706.2	706.9	709.2	703.7	696.3	690.0	686.8	675.7	638.9	582.0
82.5°	718.5	716.0	712.7	711.2	708.3	704.1	698.7	694.1	682.9	650.9	596.7
85°	717.7	722.3	721.6	711.7	704.1	704.3	701.7	696.6	688.1	661.3	606.2
87.5°	719.3	723.9	720.0	716.8	705.3	699.3	696.7	696.8	692.2	667.9	609.9
90°	723.2	725.5	720.9	723.2	713.8	695.1	689.7	695.9	694.3	669.4	607.7
92.5°	719.3	723.9	720.0	716.8	705.3	699.3	696.7	696.8	692.2	667.9	609.9
95°	717.7	722.3	721.6	711.7	704.1	704.3	701.7	696.6	688.1	661.3	606.2
97.5°	718.5	716.0	712.7	711.2	708.3	704.1	698.7	694.1	682.9	650.9	596.7
100°	709.9	706.2	706.9	709.2	703.7	696.3	690.0	686.8	675.7	638.9	582.0
102.5°	688.9	697.3	703.9	702.2	694.1	683.9	681.7	677.6	661.7	625.8	572.6
105°	684.2	690.5	693.4	689.4	682.0	676.8	674.5	669.9	651.1	611.9	557.1
107.5°	681.1	681.2	679.0	674.4	670.5	666.9	664.9	660.3	637.4	592.4	533.3
110°	667.8	666.8	663.8	658.9	655.0	653.6	650.9	638.8	613.4	558.3	505.3



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	651.4	650.2	647.4	643.8	640.2	637.2	628.8	608.4	569.8	525.1	475.0
115°	629.6	630.3	629.0	626.2	622.2	615.9	599.4	572.6	538.5	495.6	447.1
117.5°	603.8	605.8	605.8	603.8	600.0	594.5	573.7	546.7	507.6	464.1	416.2
120°	579.7	582.5	581.0	578.6	574.5	568.8	546.6	510.8	469.1	423.1	380.2
122.5°	549.2	552.5	550.5	545.9	537.1	523.4	500.1	459.4	419.6	379.0	341.1
125°	518.8	518.1	511.1	500.8	484.9	462.6	433.7	400.9	366.5	333.7	301.5
127.5°	482.1	475.2	461.4	445.5	425.8	402.1	374.6	345.7	316.7	290.0	266.3
130°	423.6	415.7	400.9	384.7	365.7	344.0	319.9	296.8	274.4	253.4	234.6
132.5°	355.7	349.1	336.7	323.4	308.2	291.4	273.4	255.7	238.5	220.7	205.1
135°	289.4	285.5	277.5	268.7	258.2	246.3	233.1	220.4	205.4	191.5	177.8
137.5°	239.5	236.9	230.8	224.0	215.9	206.7	196.4	185.4	175.5	165.7	155.8
140°	192.7	191.5	187.6	183.3	178.0	171.8	164.8	157.3	150.4	144.1	137.5
142.5°	154.5	154.4	152.6	150.5	147.7	144.3	140.3	135.7	130.7	125.7	120.6
145°	129.5	129.7	128.4	126.7	124.5	121.8	118.6	115.0	111.2	108.4	105.7
147.5°	101.4	102.4	102.5	102.4	101.9	101.1	99.8	98.3	96.5	94.5	92.4
150°	83.5	84.8	85.2	85.5	85.4	84.9	84.2	83.1	81.8	80.3	79.6
152.5°	65.5	67.0	68.2	69.2	70.0	70.6	70.9	71.0	70.8	70.4	70.0
155°	57.0	58.3	59.4	60.4	61.3	62.0	62.5	62.8	62.9	62.8	62.4
157.5°	53.1	54.0	54.8	55.3	55.9	56.3	56.5	56.6	56.5	56.3	55.8
160°	49.9	50.4	50.8	51.2	51.5	51.8	51.9	52.0	52.0	51.8	51.5
162.5°	49.1	49.2	49.4	49.1	49.0	48.7	48.4	47.9	47.4	46.8	46.1
165°	42.9	43.0	43.1	42.7	42.5	42.2	41.8	41.3	40.8	40.2	39.5
167.5°	34.3	34.5	34.6	34.5	34.3	34.2	33.9	33.6	33.2	32.8	32.2
170°	25.7	25.9	26.1	26.3	26.1	26.0	25.9	25.8	25.6	25.4	25.1
172.5°	18.7	18.9	19.0	19.2	19.1	19.1	19.0	18.9	18.8	18.6	18.4
175°	11.7	11.8	12.0	12.1	12.2	12.0	12.0	11.9	11.9	11.8	11.6
177.5°	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.0	4.9	4.9	4.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.9	4.8	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2	4.1
5°	11.5	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.4	9.0	8.7
7.5°	18.2	17.9	17.6	17.3	16.9	16.5	16.1	15.6	15.1	14.6	14.0
10°	24.8	24.4	24.0	23.5	23.0	22.4	21.9	21.2	20.6	19.9	19.2
12.5°	31.7	31.0	30.4	29.6	28.9	28.2	27.5	26.7	25.8	25.0	24.1
15°	38.8	38.0	37.2	36.3	35.3	34.3	33.2	32.1	31.0	29.9	28.8
17.5°	45.3	44.4	43.4	42.3	41.2	40.0	38.8	37.6	36.3	34.9	33.5
20°	51.1	50.2	49.1	47.9	46.6	45.2	43.8	42.4	41.0	39.6	38.1
22.5°	55.2	54.7	54.0	53.1	52.0	50.5	48.8	47.1	45.2	43.6	42.1
25°	61.8	61.0	59.9	58.5	57.1	55.7	54.0	52.0	49.9	47.7	45.7
27.5°	69.5	68.6	67.5	66.0	64.2	62.1	60.0	57.5	55.0	52.3	49.8
30°	78.6	77.4	76.1	74.3	72.4	70.1	67.4	64.3	61.4	59.0	56.5
32.5°	90.0	87.6	85.6	83.7	81.4	78.9	75.9	72.8	69.6	66.4	63.7
35°	102.8	99.8	96.9	93.9	90.9	87.9	84.6	81.2	77.6	74.2	70.7
37.5°	115.5	111.7	108.1	104.8	100.8	96.9	93.3	89.5	85.6	81.6	77.8
40°	130.8	125.1	119.7	115.2	110.8	106.4	102.1	97.8	93.6	89.2	84.7
42.5°	147.5	140.1	132.9	127.0	121.5	116.1	111.0	106.3	101.5	96.7	91.8
45°	167.3	156.5	147.6	139.3	132.3	126.0	120.2	114.4	109.3	104.2	98.8
47.5°	190.0	175.7	163.8	152.8	143.9	136.0	129.5	123.2	116.9	111.5	105.9
50°	215.5	198.2	181.4	168.0	156.2	146.4	138.2	131.7	124.9	118.4	112.7
52.5°	242.6	221.8	202.1	184.2	169.4	157.2	147.2	139.3	133.3	125.6	121.0
55°	273.0	245.8	223.2	202.1	183.4	168.5	156.2	147.0	141.4	136.3	131.8
57.5°	306.2	273.7	244.3	220.2	198.8	180.0	168.3	158.7	150.6	145.7	141.5
60°	339.9	302.9	268.6	237.3	215.5	196.6	181.2	170.7	161.1	154.3	150.2
62.5°	371.5	330.5	293.8	261.4	232.7	211.4	194.6	182.2	172.2	162.3	157.9
65°	399.1	357.6	318.7	283.7	252.3	226.4	206.7	192.4	183.0	171.9	165.6
67.5°	427.0	383.1	341.8	303.9	270.4	239.8	218.0	202.7	192.4	182.1	172.7
70°	453.9	405.6	362.8	321.0	286.4	255.1	229.4	211.5	200.6	192.2	179.4
72.5°	477.0	425.4	378.8	336.5	299.3	267.9	239.3	218.9	208.0	200.9	187.5
75°	498.9	441.9	392.2	348.4	308.8	278.3	249.5	227.9	215.7	206.8	194.3
77.5°	517.0	454.9	402.9	359.2	320.3	288.7	260.3	237.4	223.1	213.0	200.7
80°	527.9	470.1	415.4	369.4	330.0	297.2	269.2	245.4	230.2	219.4	206.5
82.5°	538.2	481.6	424.5	376.6	336.8	303.8	276.4	252.1	236.9	225.8	211.8
85°	544.8	487.8	430.1	380.7	341.0	308.6	281.9	257.6	243.1	232.1	216.7
87.5°	547.4	491.0	433.8	383.3	343.6	312.5	286.5	262.5	249.1	238.3	221.2
90°	545.3	485.3	430.6	380.7	342.5	313.6	288.7	266.0	254.3	243.4	224.7
92.5°	547.4	491.0	433.8	383.3	343.6	312.5	286.5	262.5	249.1	238.3	221.2
95°	544.8	487.8	430.1	380.7	341.0	308.6	281.9	257.6	243.1	232.1	216.7
97.5°	538.2	481.6	424.5	376.6	336.8	303.8	276.4	252.1	236.9	225.8	211.8
100°	527.9	470.1	415.4	369.4	330.0	297.2	269.2	245.4	230.2	219.4	206.5
102.5°	517.0	454.9	402.9	359.2	320.3	288.7	260.3	237.4	223.1	213.0	200.7
105°	498.9	441.9	392.2	348.4	308.8	278.3	249.5	227.9	215.7	206.8	194.3
107.5°	477.0	425.4	378.8	336.5	299.3	267.9	239.3	218.9	208.0	200.9	187.5
110°	453.9	405.6	362.8	321.0	286.4	255.1	229.4	211.5	200.6	192.2	179.4



TEST NUMBER: P231900

CATALOG NUMBER: FVS4WM-2-LD4-30-1STD-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°	427.0	383.1	341.8	303.9	270.4	239.8	218.0	202.7	192.4	182.1	172.7
115°	399.1	357.6	318.7	283.7	252.3	226.4	206.7	192.4	183.0	171.9	165.6
117.5°	371.5	330.5	293.8	261.4	232.7	211.4	194.6	182.2	172.2	162.3	157.9
120°	339.9	302.9	268.6	237.3	215.5	196.6	181.2	170.7	161.1	154.3	150.2
122.5°	306.2	273.7	244.3	220.2	198.8	180.0	168.3	158.7	150.6	145.7	141.5
125°	273.0	245.8	223.2	202.1	183.4	168.5	156.2	147.0	141.4	136.3	131.8
127.5°	242.6	221.8	202.1	184.2	169.4	157.2	147.2	139.3	133.3	125.6	121.0
130°	215.5	198.2	181.4	168.0	156.2	146.4	138.2	131.7	124.9	118.4	112.7
132.5°	190.0	175.7	163.8	152.8	143.9	136.0	129.5	123.2	116.9	111.5	105.9
135°	167.3	156.5	147.6	139.3	132.3	126.0	120.2	114.4	109.3	104.2	98.8
137.5°	147.5	140.1	132.9	127.0	121.5	116.1	111.0	106.3	101.5	96.7	91.8
140°	130.8	125.1	119.7	115.2	110.8	106.4	102.1	97.8	93.6	89.2	84.7
142.5°	115.5	111.7	108.1	104.8	100.8	96.9	93.3	89.5	85.6	81.6	77.8
145°	102.8	99.8	96.9	93.9	90.9	87.9	84.6	81.2	77.6	74.2	70.7
147.5°	90.0	87.6	85.6	83.7	81.4	78.9	75.9	72.8	69.6	66.4	63.7
150°	78.6	77.4	76.1	74.3	72.4	70.1	67.4	64.3	61.4	59.0	56.5
152.5°	69.5	68.6	67.5	66.0	64.2	62.1	60.0	57.5	55.0	52.3	49.8
155°	61.8	61.0	59.9	58.5	57.1	55.7	54.0	52.0	49.9	47.7	45.7
157.5°	55.2	54.7	54.0	53.1	52.0	50.5	48.8	47.1	45.2	43.6	42.1
160°	51.1	50.2	49.1	47.9	46.6	45.2	43.8	42.4	41.0	39.6	38.1
162.5°	45.3	44.4	43.4	42.3	41.2	40.0	38.8	37.6	36.3	34.9	33.5
165°	38.8	38.0	37.2	36.3	35.3	34.3	33.2	32.1	31.0	29.9	28.8
167.5°	31.7	31.0	30.4	29.6	28.9	28.2	27.5	26.7	25.8	25.0	24.1
170°	24.8	24.4	24.0	23.5	23.0	22.4	21.9	21.2	20.6	19.9	19.2
172.5°	18.2	17.9	17.6	17.3	16.9	16.5	16.1	15.6	15.1	14.6	14.0
175°	11.5	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.4	9.0	8.7
177.5°	4.9	4.8	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2	4.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231900

CATALOG NUMBER: FVS4WM-2-LD4-30-1STD-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°	4.0	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.5	2.3
5°	8.3	7.8	7.4	7.1	6.8	6.5	6.1	5.8	5.4	5.1	4.7
7.5°	13.4	12.8	12.1	11.4	10.7	10.0	9.2	8.7	8.1	7.6	7.0
10°	18.4	17.6	16.8	15.9	14.9	14.0	13.0	12.0	10.9	10.1	9.4
12.5°	23.1	22.2	21.1	20.1	19.0	17.9	16.7	15.4	14.1	12.8	11.7
15°	27.7	26.5	25.5	24.1	22.9	21.6	20.2	18.8	17.2	15.7	14.1
17.5°	32.3	30.8	29.4	28.0	26.5	25.1	23.6	22.0	20.3	18.5	16.7
20°	36.5	34.9	33.3	31.7	30.1	28.4	26.7	25.1	23.3	21.3	19.3
22.5°	40.5	38.8	37.0	35.3	33.5	31.7	29.8	28.0	26.1	24.1	21.8
25°	43.8	42.2	40.5	38.6	37.2	35.8	34.3	32.7	31.0	29.2	27.1
27.5°	47.9	46.6	45.7	44.6	43.2	41.7	40.1	38.5	36.8	34.9	32.7
30°	54.5	52.7	51.2	50.2	49.0	47.4	45.8	44.2	42.6	40.4	38.3
32.5°	61.0	58.8	56.9	55.5	54.5	53.1	51.3	49.6	48.0	46.0	43.7
35°	67.6	64.8	62.5	60.7	59.5	58.5	56.8	55.0	53.3	51.5	49.1
37.5°	74.1	71.0	67.9	66.0	64.4	63.4	62.1	60.1	58.4	56.9	54.4
40°	80.6	76.9	73.7	70.8	69.2	68.0	67.2	65.3	63.4	62.0	59.7
42.5°	86.9	82.9	79.2	76.1	73.9	72.5	71.8	70.4	68.3	66.9	64.9
45°	93.6	88.4	84.6	81.2	78.2	77.0	76.2	75.4	73.3	71.8	70.2
47.5°	100.1	94.5	89.8	86.3	82.9	82.0	82.7	83.5	83.3	82.6	80.9
50°	106.7	100.9	97.4	96.1	94.9	94.2	94.7	95.6	96.2	96.1	93.2
52.5°	117.4	113.7	110.6	108.6	107.6	106.6	106.9	107.5	108.6	110.0	105.6
55°	128.5	125.7	123.0	120.8	120.0	119.3	119.1	119.5	120.6	123.6	118.4
57.5°	138.6	136.6	134.8	132.9	132.2	131.7	131.3	131.4	132.3	136.4	131.5
60°	147.7	146.5	145.6	144.6	144.1	143.9	143.6	143.3	144.2	148.9	144.9
62.5°	156.1	155.6	155.7	155.7	155.7	156.0	155.9	155.5	156.2	161.1	158.6
65°	163.5	163.9	165.0	166.3	167.0	167.8	168.1	167.7	168.1	173.1	172.4
67.5°	170.1	171.5	173.7	176.3	178.0	179.4	180.2	179.9	180.0	184.8	186.4
70°	176.0	178.6	181.9	185.2	187.1	188.1	188.4	188.1	187.7	189.8	189.5
72.5°	181.5	182.3	184.9	188.0	190.7	192.3	192.9	193.6	193.9	194.0	191.0
75°	185.7	184.9	187.4	190.6	194.2	196.4	197.3	198.8	200.2	198.8	192.6
77.5°	189.8	187.6	189.9	193.1	197.5	200.6	201.5	203.9	206.6	204.1	194.2
80°	193.9	190.5	192.5	195.6	200.8	204.8	205.7	208.7	213.0	209.9	195.7
82.5°	197.9	193.5	195.2	198.1	204.0	209.0	209.8	213.5	219.4	215.9	198.1
85°	201.8	196.5	197.9	200.6	207.2	213.2	213.8	218.0	226.0	222.5	198.9
87.5°	205.6	199.6	200.7	203.2	210.4	217.4	218.1	222.9	232.3	228.2	199.7
90°	209.1	202.8	203.6	206.0	213.8	221.6	222.3	227.8	238.7	234.0	200.5
92.5°	205.6	199.6	200.7	203.2	210.4	217.4	218.1	222.9	232.3	228.2	199.7
95°	201.8	196.5	197.9	200.6	207.2	213.2	213.8	218.0	226.0	222.5	198.9
97.5°	197.9	193.5	195.2	198.1	204.0	209.0	209.8	213.5	219.4	215.9	198.1
100°	193.9	190.5	192.5	195.6	200.8	204.8	205.7	208.7	213.0	209.9	195.7
102.5°	189.8	187.6	189.9	193.1	197.5	200.6	201.5	203.9	206.6	204.1	194.2
105°	185.7	184.9	187.4	190.6	194.2	196.4	197.3	198.8	200.2	198.8	192.6
107.5°	181.5	182.3	184.9	188.0	190.7	192.3	192.9	193.6	193.9	194.0	191.0
110°	176.0	178.6	181.9	185.2	187.1	188.1	188.4	188.1	187.7	189.8	189.5



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	170.1	171.5	173.7	176.3	178.0	179.4	180.2	179.9	180.0	184.8	186.4
115°	163.5	163.9	165.0	166.3	167.0	167.8	168.1	167.7	168.1	173.1	172.4
117.5°	156.1	155.6	155.7	155.7	155.7	156.0	155.9	155.5	156.2	161.1	158.6
120°	147.7	146.5	145.6	144.6	144.1	143.9	143.6	143.3	144.2	148.9	144.9
122.5°	138.6	136.6	134.8	132.9	132.2	131.7	131.3	131.4	132.3	136.4	131.5
125°	128.5	125.7	123.0	120.8	120.0	119.3	119.1	119.5	120.6	123.6	118.4
127.5°	117.4	113.7	110.6	108.6	107.6	106.6	106.9	107.5	108.6	110.0	105.6
130°	106.7	100.9	97.4	96.1	94.9	94.2	94.7	95.6	96.2	96.1	93.2
132.5°	100.1	94.5	89.8	86.3	82.9	82.0	82.7	83.5	83.3	82.6	80.9
135°	93.6	88.4	84.6	81.2	78.2	77.0	76.2	75.4	73.3	71.8	70.2
137.5°	86.9	82.9	79.2	76.1	73.9	72.5	71.8	70.4	68.3	66.9	64.9
140°	80.6	76.9	73.7	70.8	69.2	68.0	67.2	65.3	63.4	62.0	59.7
142.5°	74.1	71.0	67.9	66.0	64.4	63.4	62.1	60.1	58.4	56.9	54.4
145°	67.6	64.8	62.5	60.7	59.5	58.5	56.8	55.0	53.3	51.5	49.1
147.5°	61.0	58.8	56.9	55.5	54.5	53.1	51.3	49.6	48.0	46.0	43.7
150°	54.5	52.7	51.2	50.2	49.0	47.4	45.8	44.2	42.6	40.4	38.3
152.5°	47.9	46.6	45.7	44.6	43.2	41.7	40.1	38.5	36.8	34.9	32.7
155°	43.8	42.2	40.5	38.6	37.2	35.8	34.3	32.7	31.0	29.2	27.1
157.5°	40.5	38.8	37.0	35.3	33.5	31.7	29.8	28.0	26.1	24.1	21.8
160°	36.5	34.9	33.3	31.7	30.1	28.4	26.7	25.1	23.3	21.3	19.3
162.5°	32.3	30.8	29.4	28.0	26.5	25.1	23.6	22.0	20.3	18.5	16.7
165°	27.7	26.5	25.5	24.1	22.9	21.6	20.2	18.8	17.2	15.7	14.1
167.5°	23.1	22.2	21.1	20.1	19.0	17.9	16.7	15.4	14.1	12.8	11.7
170°	18.4	17.6	16.8	15.9	14.9	14.0	13.0	12.0	10.9	10.1	9.4
172.5°	13.4	12.8	12.1	11.4	10.7	10.0	9.2	8.7	8.1	7.6	7.0
175°	8.3	7.8	7.4	7.1	6.8	6.5	6.1	5.8	5.4	5.1	4.7
177.5°	4.0	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.5	2.3
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: P231900

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.2	2.0	1.8	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5
5°	4.3	3.9	3.5	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
7.5°	6.5	5.9	5.3	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5
10°	8.6	7.8	7.0	6.2	6.2	6.2	6.2	6.1	6.1	6.0	5.9
12.5°	10.8	9.8	8.8	7.8	7.8	7.7	7.7	7.7	7.6	7.5	7.4
15°	12.9	11.7	10.5	9.3	9.3	9.3	9.3	9.2	9.1	9.0	8.9
17.5°	15.0	13.7	12.3	10.9	10.9	10.8	10.8	10.7	10.6	10.5	10.4
20°	17.2	15.6	14.0	12.4	12.4	12.4	12.3	12.3	12.2	12.1	11.9
22.5°	19.5	17.5	15.8	14.0	14.0	14.0	13.9	13.8	13.7	13.6	13.4
25°	24.8	22.6	20.9	19.0	19.1	19.1	19.0	18.7	18.4	17.8	17.1
27.5°	30.2	27.7	25.9	24.1	24.3	24.3	24.3	24.2	23.7	23.0	22.1
30°	35.6	32.8	31.0	29.1	29.4	29.7	29.8	29.8	29.0	28.1	26.6
32.5°	41.0	38.0	36.0	34.1	34.6	35.0	35.3	35.2	34.2	32.8	30.8
35°	46.3	43.2	41.0	39.2	39.8	40.4	40.9	40.5	39.3	37.2	34.8
37.5°	51.6	48.3	46.0	44.2	45.1	45.9	46.5	45.7	44.3	41.3	38.2
40°	56.9	53.5	51.0	49.2	50.3	51.3	52.2	50.9	48.7	45.2	41.2
42.5°	62.1	58.6	55.9	54.3	55.6	56.8	57.9	56.0	52.9	49.0	43.9
45°	67.2	63.7	60.9	59.3	60.9	62.4	63.2	61.1	57.0	51.9	46.2
47.5°	76.9	71.9	67.2	64.0	64.3	64.9	64.8	62.4	58.0	52.8	47.3
50°	87.4	80.5	73.7	68.7	67.6	67.1	65.8	62.7	57.8	52.4	47.2
52.5°	98.3	89.3	80.3	73.3	70.8	69.2	66.8	62.7	57.6	52.3	47.5
55°	109.5	98.4	87.0	78.0	73.9	71.2	67.6	62.8	57.5	52.3	48.1
57.5°	121.0	107.6	93.7	82.7	77.0	73.0	68.4	63.0	57.5	52.6	48.9
60°	132.7	117.1	100.6	87.4	79.9	74.7	69.1	63.1	57.7	53.3	50.2
62.5°	144.6	126.6	107.5	92.0	82.8	76.4	69.7	63.3	58.0	54.2	51.9
65°	156.8	136.4	114.5	96.7	85.7	77.9	70.2	63.5	58.4	55.3	53.9
67.5°	169.0	146.2	121.6	101.4	88.4	79.4	70.8	63.7	59.0	56.5	56.1
70°	170.1	146.0	121.0	100.9	87.7	78.6	70.1	63.1	58.6	56.5	56.7
72.5°	170.2	145.4	120.3	100.4	87.0	77.8	69.4	62.4	58.0	56.0	56.3
75°	170.2	144.7	120.2	99.8	86.3	77.1	68.8	61.8	57.4	55.5	55.9
77.5°	170.1	143.8	119.1	99.3	85.6	76.4	68.2	61.3	56.9	55.1	55.3
80°	169.9	143.7	118.1	98.8	85.0	75.7	67.7	60.8	56.3	54.7	54.8
82.5°	170.3	142.3	117.0	98.3	84.4	75.0	67.3	60.3	55.9	54.2	54.2
85°	169.4	140.9	116.0	97.7	83.8	74.4	66.9	59.9	55.4	53.8	53.6
87.5°	168.6	139.5	114.9	97.2	83.2	73.8	66.6	59.6	55.0	53.5	52.9
90°	167.7	138.1	113.9	96.7	82.7	73.3	66.3	59.3	54.6	53.1	52.3
92.5°	168.6	139.5	114.9	97.2	83.2	73.8	66.6	59.6	55.0	53.5	52.9
95°	169.4	140.9	116.0	97.7	83.8	74.4	66.9	59.9	55.4	53.8	53.6
97.5°	170.3	142.3	117.0	98.3	84.4	75.0	67.3	60.3	55.9	54.2	54.2
100°	169.9	143.7	118.1	98.8	85.0	75.7	67.7	60.8	56.3	54.7	54.8
102.5°	170.1	143.8	119.1	99.3	85.6	76.4	68.2	61.3	56.9	55.1	55.3
105°	170.2	144.7	120.2	99.8	86.3	77.1	68.8	61.8	57.4	55.5	55.9
107.5°	170.2	145.4	120.3	100.4	87.0	77.8	69.4	62.4	58.0	56.0	56.3
110°	170.1	146.0	121.0	100.9	87.7	78.6	70.1	63.1	58.6	56.5	56.7



TEST NUMBER: P231900

CATALOG NUMBER: FVS4WM-2-LD4-30-1STD-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°	169.0	146.2	121.6	101.4	88.4	79.4	70.8	63.7	59.0	56.5	56.1
115°	156.8	136.4	114.5	96.7	85.7	77.9	70.2	63.5	58.4	55.3	53.9
117.5°	144.6	126.6	107.5	92.0	82.8	76.4	69.7	63.3	58.0	54.2	51.9
120°	132.7	117.1	100.6	87.4	79.9	74.7	69.1	63.1	57.7	53.3	50.2
122.5°	121.0	107.6	93.7	82.7	77.0	73.0	68.4	63.0	57.5	52.6	48.9
125°	109.5	98.4	87.0	78.0	73.9	71.2	67.6	62.8	57.5	52.3	48.1
127.5°	98.3	89.3	80.3	73.3	70.8	69.2	66.8	62.7	57.6	52.3	47.5
130°	87.4	80.5	73.7	68.7	67.6	67.1	65.8	62.7	57.8	52.4	47.2
132.5°	76.9	71.9	67.2	64.0	64.3	64.9	64.8	62.4	58.0	52.8	47.3
135°	67.2	63.7	60.9	59.3	60.9	62.4	63.2	61.1	57.0	51.9	46.2
137.5°	62.1	58.6	55.9	54.3	55.6	56.8	57.9	56.0	52.9	49.0	43.9
140°	56.9	53.5	51.0	49.2	50.3	51.3	52.2	50.9	48.7	45.2	41.2
142.5°	51.6	48.3	46.0	44.2	45.1	45.9	46.5	45.7	44.3	41.3	38.2
145°	46.3	43.2	41.0	39.2	39.8	40.4	40.9	40.5	39.3	37.2	34.8
147.5°	41.0	38.0	36.0	34.1	34.6	35.0	35.3	35.2	34.2	32.8	30.8
150°	35.6	32.8	31.0	29.1	29.4	29.7	29.8	29.8	29.0	28.1	26.6
152.5°	30.2	27.7	25.9	24.1	24.3	24.3	24.3	24.2	23.7	23.0	22.1
155°	24.8	22.6	20.9	19.0	19.1	19.1	19.0	18.7	18.4	17.8	17.1
157.5°	19.5	17.5	15.8	14.0	14.0	14.0	13.9	13.8	13.7	13.6	13.4
160°	17.2	15.6	14.0	12.4	12.4	12.4	12.3	12.3	12.2	12.1	11.9
162.5°	15.0	13.7	12.3	10.9	10.9	10.8	10.8	10.7	10.6	10.5	10.4
165°	12.9	11.7	10.5	9.3	9.3	9.3	9.3	9.2	9.1	9.0	8.9
167.5°	10.8	9.8	8.8	7.8	7.8	7.7	7.7	7.7	7.6	7.5	7.4
170°	8.6	7.8	7.0	6.2	6.2	6.2	6.2	6.1	6.1	6.0	5.9
172.5°	6.5	5.9	5.3	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5
175°	4.3	3.9	3.5	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
177.5°	2.2	2.0	1.8	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
5°	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2
7.5°	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3
10°	5.9	5.8	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.6	4.4
12.5°	7.3	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.5
15°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7
17.5°	10.3	10.1	9.9	9.7	9.5	9.3	9.0	8.7	8.4	8.1	7.8
20°	11.7	11.6	11.4	11.1	10.9	10.6	10.3	10.0	9.7	9.3	9.0
22.5°	13.2	13.0	12.8	12.6	12.3	12.0	11.7	11.3	11.0	10.6	10.0
25°	16.4	15.5	14.7	14.0	13.7	13.4	13.0	12.6	12.0	11.4	10.8
27.5°	20.9	19.8	18.6	17.5	16.5	15.5	14.6	13.6	12.9	12.4	11.9
30°	25.1	23.5	21.9	20.4	19.1	17.8	16.5	15.4	14.5	13.8	12.9
32.5°	28.8	26.6	24.6	22.8	21.1	19.6	18.2	17.1	16.0	14.9	13.8
35°	32.0	29.3	26.9	24.7	22.8	21.1	19.6	18.3	16.9	15.8	14.9
37.5°	34.7	31.6	28.7	26.4	24.2	22.4	20.7	19.1	17.8	16.8	15.8
40°	37.1	33.5	30.4	27.8	25.5	23.3	21.5	20.0	18.8	17.6	16.4
42.5°	39.3	35.0	32.0	29.0	26.3	24.2	22.3	20.8	19.5	18.3	17.2
45°	41.1	36.7	33.3	30.0	27.2	24.9	23.1	21.6	20.2	19.0	17.9
47.5°	42.2	38.2	34.4	30.6	28.0	25.7	23.8	22.4	21.0	19.7	18.6
50°	42.6	39.3	35.8	32.4	29.4	26.6	24.7	23.1	21.6	20.4	19.4
52.5°	43.7	40.8	37.8	35.2	32.5	29.8	27.3	24.7	22.4	21.3	20.2
55°	45.1	42.8	40.4	38.3	35.9	33.2	30.4	27.6	25.3	23.1	21.2
57.5°	46.9	45.2	43.5	41.7	39.6	36.5	33.5	30.6	27.9	25.5	23.2
60°	49.0	48.0	46.9	45.4	43.0	39.7	36.4	33.3	30.2	27.4	24.8
62.5°	51.4	51.2	50.6	49.3	46.4	42.9	39.3	35.8	32.2	29.1	26.0
65°	54.2	54.7	54.6	53.3	49.8	46.0	42.1	38.0	34.0	30.5	26.9
67.5°	57.2	58.3	58.5	57.2	53.1	49.1	44.6	40.0	35.7	31.6	28.0
70°	58.6	60.5	61.5	60.5	56.4	52.0	47.1	41.8	37.2	32.7	28.9
72.5°	58.2	60.3	61.4	60.2	57.1	53.3	48.5	43.3	38.5	33.7	29.7
75°	57.8	60.0	61.3	60.2	57.6	54.0	49.2	44.2	39.5	34.7	30.6
77.5°	57.4	59.8	61.3	60.5	58.5	54.9	50.1	45.4	40.6	35.8	31.6
80°	56.9	59.6	61.3	61.0	59.5	55.9	51.3	46.7	41.9	37.0	32.7
82.5°	56.4	59.4	61.4	61.6	60.7	57.1	52.6	48.2	43.5	38.2	33.9
85°	55.8	59.1	61.5	62.4	62.0	58.5	54.2	49.9	45.2	39.6	35.1
87.5°	55.2	58.8	61.6	63.2	63.4	60.0	55.9	51.8	47.0	41.1	36.6
90°	54.6	58.5	61.6	64.0	64.8	61.6	57.7	53.8	49.1	42.9	38.2
92.5°	55.2	58.8	61.6	63.2	63.4	60.0	55.9	51.8	47.0	41.1	36.6
95°	55.8	59.1	61.5	62.4	62.0	58.5	54.2	49.9	45.2	39.6	35.1
97.5°	56.4	59.4	61.4	61.6	60.7	57.1	52.6	48.2	43.5	38.2	33.9
100°	56.9	59.6	61.3	61.0	59.5	55.9	51.3	46.7	41.9	37.0	32.7
102.5°	57.4	59.8	61.3	60.5	58.5	54.9	50.1	45.4	40.6	35.8	31.6
105°	57.8	60.0	61.3	60.2	57.6	54.0	49.2	44.2	39.5	34.7	30.6
107.5°	58.2	60.3	61.4	60.2	57.1	53.3	48.5	43.3	38.5	33.7	29.7
110°	58.6	60.5	61.5	60.5	56.4	52.0	47.1	41.8	37.2	32.7	28.9



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	57.2	58.3	58.5	57.2	53.1	49.1	44.6	40.0	35.7	31.6	28.0
115°	54.2	54.7	54.6	53.3	49.8	46.0	42.1	38.0	34.0	30.5	26.9
117.5°	51.4	51.2	50.6	49.3	46.4	42.9	39.3	35.8	32.2	29.1	26.0
120°	49.0	48.0	46.9	45.4	43.0	39.7	36.4	33.3	30.2	27.4	24.8
122.5°	46.9	45.2	43.5	41.7	39.6	36.5	33.5	30.6	27.9	25.5	23.2
125°	45.1	42.8	40.4	38.3	35.9	33.2	30.4	27.6	25.3	23.1	21.2
127.5°	43.7	40.8	37.8	35.2	32.5	29.8	27.3	24.7	22.4	21.3	20.2
130°	42.6	39.3	35.8	32.4	29.4	26.6	24.7	23.1	21.6	20.4	19.4
132.5°	42.2	38.2	34.4	30.6	28.0	25.7	23.8	22.4	21.0	19.7	18.6
135°	41.1	36.7	33.3	30.0	27.2	24.9	23.1	21.6	20.2	19.0	17.9
137.5°	39.3	35.0	32.0	29.0	26.3	24.2	22.3	20.8	19.5	18.3	17.2
140°	37.1	33.5	30.4	27.8	25.5	23.3	21.5	20.0	18.8	17.6	16.4
142.5°	34.7	31.6	28.7	26.4	24.2	22.4	20.7	19.1	17.8	16.8	15.8
145°	32.0	29.3	26.9	24.7	22.8	21.1	19.6	18.3	16.9	15.8	14.9
147.5°	28.8	26.6	24.6	22.8	21.1	19.6	18.2	17.1	16.0	14.9	13.8
150°	25.1	23.5	21.9	20.4	19.1	17.8	16.5	15.4	14.5	13.8	12.9
152.5°	20.9	19.8	18.6	17.5	16.5	15.5	14.6	13.6	12.9	12.4	11.9
155°	16.4	15.5	14.7	14.0	13.7	13.4	13.0	12.6	12.0	11.4	10.8
157.5°	13.2	13.0	12.8	12.6	12.3	12.0	11.7	11.3	11.0	10.6	10.0
160°	11.7	11.6	11.4	11.1	10.9	10.6	10.3	10.0	9.7	9.3	9.0
162.5°	10.3	10.1	9.9	9.7	9.5	9.3	9.0	8.7	8.4	8.1	7.8
165°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7
167.5°	7.3	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.5
170°	5.9	5.8	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.6	4.4
172.5°	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3
175°	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2
177.5°	1.5	1.4	1.4	1.4	1.3	1.3	1.3	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: P231900

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.5
5°	2.1	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	0.9
7.5°	3.2	3.0	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4
10°	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.4	2.1	1.9
12.5°	5.3	5.0	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4
15°	6.4	6.1	5.8	5.4	5.1	4.7	4.4	4.0	3.6	3.3	2.9
17.5°	7.5	7.1	6.8	6.4	6.0	5.6	5.1	4.6	4.2	3.7	3.3
20°	8.6	8.2	7.7	7.2	6.6	6.1	5.6	5.2	4.7	4.2	3.7
22.5°	9.5	8.9	8.4	7.9	7.4	6.9	6.4	5.8	5.2	4.6	4.1
25°	10.3	9.9	9.4	8.8	8.1	7.5	6.8	6.2	5.6	5.0	4.4
27.5°	11.5	10.7	10.0	9.3	8.7	8.1	7.5	6.9	6.2	5.5	4.8
30°	12.1	11.3	10.8	10.2	9.6	8.8	8.0	7.2	6.5	5.8	5.1
32.5°	13.0	12.4	11.7	10.8	10.0	9.2	8.5	7.8	7.1	6.3	5.5
35°	14.2	13.2	12.2	11.4	10.7	10.0	9.2	8.3	7.4	6.5	5.6
37.5°	14.7	13.8	13.0	12.3	11.4	10.4	9.4	8.5	7.5	6.6	5.8
40°	15.5	14.6	13.7	12.7	11.7	10.6	9.6	8.8	8.0	7.2	6.3
42.5°	16.2	15.2	14.2	13.1	12.0	11.1	10.3	9.4	8.4	7.4	6.4
45°	16.8	15.8	14.7	13.6	12.8	11.9	10.7	9.6	8.7	7.9	7.0
47.5°	17.5	16.4	15.4	14.5	13.3	12.1	11.1	10.3	9.3	8.2	7.0
50°	18.3	17.2	16.2	14.8	13.6	12.6	11.7	10.5	9.4	8.5	7.5
52.5°	19.1	18.0	16.5	15.2	14.2	13.1	11.9	10.8	9.9	9.1	8.2
55°	19.9	18.4	16.9	15.8	14.7	13.5	12.3	11.3	10.5	9.6	8.4
57.5°	21.0	18.8	17.6	16.4	15.2	13.7	12.8	12.0	10.7	9.4	8.2
60°	22.1	20.1	18.4	17.0	15.3	14.3	13.5	12.0	10.6	9.4	8.1
62.5°	23.2	21.1	19.3	17.3	15.9	15.1	13.4	12.1	10.9	9.3	7.9
65°	24.2	21.9	19.8	17.7	16.6	14.9	13.6	12.4	10.7	9.1	7.7
67.5°	25.0	22.7	20.1	18.3	16.5	14.8	13.6	12.2	10.5	8.9	7.4
70°	25.8	23.1	20.5	18.4	16.3	14.6	13.1	11.5	10.1	8.6	7.0
72.5°	26.5	23.5	20.7	18.4	16.1	14.2	12.6	10.8	9.4	8.0	6.6
75°	27.2	23.9	20.8	18.4	15.7	13.9	12.0	10.3	8.8	7.4	6.0
77.5°	27.9	24.3	21.1	18.2	15.3	13.7	11.5	9.9	8.4	6.9	5.6
80°	28.7	24.8	21.4	18.1	15.3	13.1	11.1	9.7	8.1	6.6	5.3
82.5°	29.5	25.4	21.7	18.0	15.1	12.6	10.6	9.0	7.6	6.3	4.8
85°	30.4	26.1	22.1	18.0	14.9	12.1	10.1	8.5	7.0	5.8	4.5
87.5°	31.5	27.0	22.7	18.2	14.8	11.8	9.7	8.1	6.5	5.6	4.5
90°	32.8	28.1	23.4	18.7	14.8	11.7	9.4	7.8	6.2	5.5	4.7
92.5°	31.5	27.0	22.7	18.2	14.8	11.8	9.7	8.1	6.5	5.6	4.5
95°	30.4	26.1	22.1	18.0	14.9	12.1	10.1	8.5	7.0	5.8	4.5
97.5°	29.5	25.4	21.7	18.0	15.1	12.6	10.6	9.0	7.6	6.3	4.8
100°	28.7	24.8	21.4	18.1	15.3	13.1	11.1	9.7	8.1	6.6	5.3
102.5°	27.9	24.3	21.1	18.2	15.3	13.7	11.5	9.9	8.4	6.9	5.6
105°	27.2	23.9	20.8	18.4	15.7	13.9	12.0	10.3	8.8	7.4	6.0
107.5°	26.5	23.5	20.7	18.4	16.1	14.2	12.6	10.8	9.4	8.0	6.6
110°	25.8	23.1	20.5	18.4	16.3	14.6	13.1	11.5	10.1	8.6	7.0



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	25.0	22.7	20.1	18.3	16.5	14.8	13.6	12.2	10.5	8.9	7.4
115°	24.2	21.9	19.8	17.7	16.6	14.9	13.6	12.4	10.7	9.1	7.7
117.5°	23.2	21.1	19.3	17.3	15.9	15.1	13.4	12.1	10.9	9.3	7.9
120°	22.1	20.1	18.4	17.0	15.3	14.3	13.5	12.0	10.6	9.4	8.1
122.5°	21.0	18.8	17.6	16.4	15.2	13.7	12.8	12.0	10.7	9.4	8.2
125°	19.9	18.4	16.9	15.8	14.7	13.5	12.3	11.3	10.5	9.6	8.4
127.5°	19.1	18.0	16.5	15.2	14.2	13.1	11.9	10.8	9.9	9.1	8.2
130°	18.3	17.2	16.2	14.8	13.6	12.6	11.7	10.5	9.4	8.5	7.5
132.5°	17.5	16.4	15.4	14.5	13.3	12.1	11.1	10.3	9.3	8.2	7.0
135°	16.8	15.8	14.7	13.6	12.8	11.9	10.7	9.6	8.7	7.9	7.0
137.5°	16.2	15.2	14.2	13.1	12.0	11.1	10.3	9.4	8.4	7.4	6.4
140°	15.5	14.6	13.7	12.7	11.7	10.6	9.6	8.8	8.0	7.2	6.3
142.5°	14.7	13.8	13.0	12.3	11.4	10.4	9.4	8.5	7.5	6.6	5.8
145°	14.2	13.2	12.2	11.4	10.7	10.0	9.2	8.3	7.4	6.5	5.6
147.5°	13.0	12.4	11.7	10.8	10.0	9.2	8.5	7.8	7.1	6.3	5.5
150°	12.1	11.3	10.8	10.2	9.6	8.8	8.0	7.2	6.5	5.8	5.1
152.5°	11.5	10.7	10.0	9.3	8.7	8.1	7.5	6.9	6.2	5.5	4.8
155°	10.3	9.9	9.4	8.8	8.1	7.5	6.8	6.2	5.6	5.0	4.4
157.5°	9.5	8.9	8.4	7.9	7.4	6.9	6.4	5.8	5.2	4.6	4.1
160°	8.6	8.2	7.7	7.2	6.6	6.1	5.6	5.2	4.7	4.2	3.7
162.5°	7.5	7.1	6.8	6.4	6.0	5.6	5.1	4.6	4.2	3.7	3.3
165°	6.4	6.1	5.8	5.4	5.1	4.7	4.4	4.0	3.6	3.3	2.9
167.5°	5.3	5.0	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4
170°	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.4	2.1	1.9
172.5°	3.2	3.0	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4
175°	2.1	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	0.9
177.5°	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.3
5°	0.8	0.7	0.5	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.5
7.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
10°	1.6	1.4	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
12.5°	2.0	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
15°	2.5	2.1	1.7	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.7
17.5°	2.8	2.3	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
20°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
22.5°	3.5	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
25°	3.8	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
27.5°	4.1	3.4	2.7	2.0	1.4	0.7	0.0	0.7	1.4	2.0	2.7
30°	4.4	3.7	3.0	2.2	1.5	0.8	0.0	0.8	1.5	2.2	3.0
32.5°	4.7	3.9	3.1	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.1
35°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
37.5°	5.0	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
40°	5.4	4.4	3.5	2.6	1.8	0.9	0.0	0.9	1.8	2.6	3.5
42.5°	5.6	4.7	3.8	2.8	1.9	1.0	0.0	1.0	1.9	2.8	3.8
45°	5.9	4.9	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
47.5°	6.0	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
50°	6.6	5.5	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
52.5°	7.1	5.8	4.6	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.6
55°	7.1	5.8	4.6	3.4	2.2	1.1	0.0	1.1	2.2	3.4	4.6
57.5°	7.0	5.7	4.5	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.5
60°	6.9	5.6	4.4	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.4
62.5°	6.7	5.5	4.3	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.3
65°	6.4	5.2	4.1	2.9	1.9	0.9	0.0	0.9	1.9	2.9	4.1
67.5°	6.0	4.8	3.8	2.7	1.7	0.8	0.0	0.8	1.7	2.7	3.8
70°	5.6	4.4	3.3	2.4	1.5	0.7	0.0	0.7	1.5	2.4	3.3
72.5°	5.1	4.0	3.0	2.0	1.2	0.6	0.0	0.6	1.2	2.0	3.0
75°	4.9	3.7	2.5	1.8	1.3	0.7	0.0	0.7	1.3	1.8	2.5
77.5°	4.5	3.1	2.3	1.5	0.6	0.1	0.0	0.1	0.6	1.5	2.3
80°	3.8	2.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
82.5°	3.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.8	2.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
102.5°	4.5	3.1	2.3	1.5	0.6	0.1	0.0	0.1	0.6	1.5	2.3
105°	4.9	3.7	2.5	1.8	1.3	0.7	0.0	0.7	1.3	1.8	2.5
107.5°	5.1	4.0	3.0	2.0	1.2	0.6	0.0	0.6	1.2	2.0	3.0
110°	5.6	4.4	3.3	2.4	1.5	0.7	0.0	0.7	1.5	2.4	3.3



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	6.0	4.8	3.8	2.7	1.7	0.8	0.0	0.8	1.7	2.7	3.8
115°	6.4	5.2	4.1	2.9	1.9	0.9	0.0	0.9	1.9	2.9	4.1
117.5°	6.7	5.5	4.3	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.3
120°	6.9	5.6	4.4	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.4
122.5°	7.0	5.7	4.5	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.5
125°	7.1	5.8	4.6	3.4	2.2	1.1	0.0	1.1	2.2	3.4	4.6
127.5°	7.1	5.8	4.6	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.6
130°	6.6	5.5	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
132.5°	6.0	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
135°	5.9	4.9	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
137.5°	5.6	4.7	3.8	2.8	1.9	1.0	0.0	1.0	1.9	2.8	3.8
140°	5.4	4.4	3.5	2.6	1.8	0.9	0.0	0.9	1.8	2.6	3.5
142.5°	5.0	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
145°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
147.5°	4.7	3.9	3.1	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.1
150°	4.4	3.7	3.0	2.2	1.5	0.8	0.0	0.8	1.5	2.2	3.0
152.5°	4.1	3.4	2.7	2.0	1.4	0.7	0.0	0.7	1.4	2.0	2.7
155°	3.8	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
157.5°	3.5	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
160°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
162.5°	2.8	2.3	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
165°	2.5	2.1	1.7	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.7
167.5°	2.0	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
170°	1.6	1.4	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
172.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
175°	0.8	0.7	0.5	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.5
177.5°	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.9	0.9
5°	0.7	0.8	0.9	1.1	1.2	1.3	1.4	1.6	1.7	1.8	1.9
7.5°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9
10°	1.4	1.6	1.9	2.1	2.4	2.7	2.9	3.1	3.4	3.6	3.8
12.5°	1.7	2.0	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
15°	2.1	2.5	2.9	3.3	3.6	4.0	4.4	4.7	5.1	5.4	5.8
17.5°	2.3	2.8	3.3	3.7	4.2	4.6	5.1	5.6	6.0	6.4	6.8
20°	2.7	3.2	3.7	4.2	4.7	5.2	5.6	6.1	6.6	7.2	7.7
22.5°	2.9	3.5	4.1	4.6	5.2	5.8	6.4	6.9	7.4	7.9	8.4
25°	3.2	3.8	4.4	5.0	5.6	6.2	6.8	7.5	8.1	8.8	9.4
27.5°	3.4	4.1	4.8	5.5	6.2	6.9	7.5	8.1	8.7	9.3	10.0
30°	3.7	4.4	5.1	5.8	6.5	7.2	8.0	8.8	9.6	10.2	10.8
32.5°	3.9	4.7	5.5	6.3	7.1	7.8	8.5	9.2	10.0	10.8	11.7
35°	4.0	4.8	5.6	6.5	7.4	8.3	9.2	10.0	10.7	11.4	12.2
37.5°	4.2	5.0	5.8	6.6	7.5	8.5	9.4	10.4	11.4	12.3	13.0
40°	4.4	5.4	6.3	7.2	8.0	8.8	9.6	10.6	11.7	12.7	13.7
42.5°	4.7	5.6	6.4	7.4	8.4	9.4	10.3	11.1	12.0	13.1	14.2
45°	4.9	5.9	7.0	7.9	8.7	9.6	10.7	11.9	12.8	13.6	14.7
47.5°	5.1	6.0	7.0	8.2	9.3	10.3	11.1	12.1	13.3	14.5	15.4
50°	5.5	6.6	7.5	8.5	9.4	10.5	11.7	12.6	13.6	14.8	16.2
52.5°	5.8	7.1	8.2	9.1	9.9	10.8	11.9	13.1	14.2	15.2	16.5
55°	5.8	7.1	8.4	9.6	10.5	11.3	12.3	13.5	14.7	15.8	16.9
57.5°	5.7	7.0	8.2	9.4	10.7	12.0	12.8	13.7	15.2	16.4	17.6
60°	5.6	6.9	8.1	9.4	10.6	12.0	13.5	14.3	15.3	17.0	18.4
62.5°	5.5	6.7	7.9	9.3	10.9	12.1	13.4	15.1	15.9	17.3	19.3
65°	5.2	6.4	7.7	9.1	10.7	12.4	13.6	14.9	16.6	17.7	19.8
67.5°	4.8	6.0	7.4	8.9	10.5	12.2	13.6	14.8	16.5	18.3	20.1
70°	4.4	5.6	7.0	8.6	10.1	11.5	13.1	14.6	16.3	18.4	20.5
72.5°	4.0	5.1	6.6	8.0	9.4	10.8	12.6	14.2	16.1	18.4	20.7
75°	3.7	4.9	6.0	7.4	8.8	10.3	12.0	13.9	15.7	18.4	20.8
77.5°	3.1	4.5	5.6	6.9	8.4	9.9	11.5	13.7	15.3	18.2	21.1
80°	2.7	3.8	5.3	6.6	8.1	9.7	11.1	13.1	15.3	18.1	21.4
82.5°	1.9	3.3	4.8	6.3	7.6	9.0	10.6	12.6	15.1	18.0	21.7
85°	0.9	2.9	4.5	5.8	7.0	8.5	10.1	12.1	14.9	18.0	22.1
87.5°	0.3	2.9	4.5	5.6	6.5	8.1	9.7	11.8	14.8	18.2	22.7
90°	0.0	3.1	4.7	5.5	6.2	7.8	9.4	11.7	14.8	18.7	23.4
92.5°	0.3	2.9	4.5	5.6	6.5	8.1	9.7	11.8	14.8	18.2	22.7
95°	0.9	2.9	4.5	5.8	7.0	8.5	10.1	12.1	14.9	18.0	22.1
97.5°	1.9	3.3	4.8	6.3	7.6	9.0	10.6	12.6	15.1	18.0	21.7
100°	2.7	3.8	5.3	6.6	8.1	9.7	11.1	13.1	15.3	18.1	21.4
102.5°	3.1	4.5	5.6	6.9	8.4	9.9	11.5	13.7	15.3	18.2	21.1
105°	3.7	4.9	6.0	7.4	8.8	10.3	12.0	13.9	15.7	18.4	20.8
107.5°	4.0	5.1	6.6	8.0	9.4	10.8	12.6	14.2	16.1	18.4	20.7
110°	4.4	5.6	7.0	8.6	10.1	11.5	13.1	14.6	16.3	18.4	20.5



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	4.8	6.0	7.4	8.9	10.5	12.2	13.6	14.8	16.5	18.3	20.1
115°	5.2	6.4	7.7	9.1	10.7	12.4	13.6	14.9	16.6	17.7	19.8
117.5°	5.5	6.7	7.9	9.3	10.9	12.1	13.4	15.1	15.9	17.3	19.3
120°	5.6	6.9	8.1	9.4	10.6	12.0	13.5	14.3	15.3	17.0	18.4
122.5°	5.7	7.0	8.2	9.4	10.7	12.0	12.8	13.7	15.2	16.4	17.6
125°	5.8	7.1	8.4	9.6	10.5	11.3	12.3	13.5	14.7	15.8	16.9
127.5°	5.8	7.1	8.2	9.1	9.9	10.8	11.9	13.1	14.2	15.2	16.5
130°	5.5	6.6	7.5	8.5	9.4	10.5	11.7	12.6	13.6	14.8	16.2
132.5°	5.1	6.0	7.0	8.2	9.3	10.3	11.1	12.1	13.3	14.5	15.4
135°	4.9	5.9	7.0	7.9	8.7	9.6	10.7	11.9	12.8	13.6	14.7
137.5°	4.7	5.6	6.4	7.4	8.4	9.4	10.3	11.1	12.0	13.1	14.2
140°	4.4	5.4	6.3	7.2	8.0	8.8	9.6	10.6	11.7	12.7	13.7
142.5°	4.2	5.0	5.8	6.6	7.5	8.5	9.4	10.4	11.4	12.3	13.0
145°	4.0	4.8	5.6	6.5	7.4	8.3	9.2	10.0	10.7	11.4	12.2
147.5°	3.9	4.7	5.5	6.3	7.1	7.8	8.5	9.2	10.0	10.8	11.7
150°	3.7	4.4	5.1	5.8	6.5	7.2	8.0	8.8	9.6	10.2	10.8
152.5°	3.4	4.1	4.8	5.5	6.2	6.9	7.5	8.1	8.7	9.3	10.0
155°	3.2	3.8	4.4	5.0	5.6	6.2	6.8	7.5	8.1	8.8	9.4
157.5°	2.9	3.5	4.1	4.6	5.2	5.8	6.4	6.9	7.4	7.9	8.4
160°	2.7	3.2	3.7	4.2	4.7	5.2	5.6	6.1	6.6	7.2	7.7
162.5°	2.3	2.8	3.3	3.7	4.2	4.6	5.1	5.6	6.0	6.4	6.8
165°	2.1	2.5	2.9	3.3	3.6	4.0	4.4	4.7	5.1	5.4	5.8
167.5°	1.7	2.0	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
170°	1.4	1.6	1.9	2.1	2.4	2.7	2.9	3.1	3.4	3.6	3.8
172.5°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9
175°	0.7	0.8	0.9	1.1	1.2	1.3	1.4	1.6	1.7	1.8	1.9
177.5°	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.9	0.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
5°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.8
7.5°	3.0	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1	4.2
10°	4.0	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.4	5.5	5.6
12.5°	5.0	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1
15°	6.1	6.4	6.7	7.0	7.2	7.5	7.7	7.9	8.1	8.3	8.5
17.5°	7.1	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.5	9.7	9.9
20°	8.2	8.6	9.0	9.3	9.7	10.0	10.3	10.6	10.9	11.1	11.4
22.5°	8.9	9.5	10.0	10.6	11.0	11.3	11.7	12.0	12.3	12.6	12.8
25°	9.9	10.3	10.8	11.4	12.0	12.6	13.0	13.4	13.7	14.0	14.7
27.5°	10.7	11.5	11.9	12.4	12.9	13.6	14.6	15.5	16.5	17.5	18.6
30°	11.3	12.1	12.9	13.8	14.5	15.4	16.5	17.8	19.1	20.4	21.9
32.5°	12.4	13.0	13.8	14.9	16.0	17.1	18.2	19.6	21.1	22.8	24.6
35°	13.2	14.2	14.9	15.8	16.9	18.3	19.6	21.1	22.8	24.7	26.9
37.5°	13.8	14.7	15.8	16.8	17.8	19.1	20.7	22.4	24.2	26.4	28.7
40°	14.6	15.5	16.4	17.6	18.8	20.0	21.5	23.3	25.5	27.8	30.4
42.5°	15.2	16.2	17.2	18.3	19.5	20.8	22.3	24.2	26.3	29.0	32.0
45°	15.8	16.8	17.9	19.0	20.2	21.6	23.1	24.9	27.2	30.0	33.3
47.5°	16.4	17.5	18.6	19.7	21.0	22.4	23.8	25.7	28.0	30.6	34.4
50°	17.2	18.3	19.4	20.4	21.6	23.1	24.7	26.6	29.4	32.4	35.8
52.5°	18.0	19.1	20.2	21.3	22.4	24.7	27.3	29.8	32.5	35.2	37.8
55°	18.4	19.9	21.2	23.1	25.3	27.6	30.4	33.2	35.9	38.3	40.4
57.5°	18.8	21.0	23.2	25.5	27.9	30.6	33.5	36.5	39.6	41.7	43.5
60°	20.1	22.1	24.8	27.4	30.2	33.3	36.4	39.7	43.0	45.4	46.9
62.5°	21.1	23.2	26.0	29.1	32.2	35.8	39.3	42.9	46.4	49.3	50.6
65°	21.9	24.2	26.9	30.5	34.0	38.0	42.1	46.0	49.8	53.3	54.6
67.5°	22.7	25.0	28.0	31.6	35.7	40.0	44.6	49.1	53.1	57.2	58.5
70°	23.1	25.8	28.9	32.7	37.2	41.8	47.1	52.0	56.4	60.5	61.5
72.5°	23.5	26.5	29.7	33.7	38.5	43.3	48.5	53.3	57.1	60.2	61.4
75°	23.9	27.2	30.6	34.7	39.5	44.2	49.2	54.0	57.6	60.2	61.3
77.5°	24.3	27.9	31.6	35.8	40.6	45.4	50.1	54.9	58.5	60.5	61.3
80°	24.8	28.7	32.7	37.0	41.9	46.7	51.3	55.9	59.5	61.0	61.3
82.5°	25.4	29.5	33.9	38.2	43.5	48.2	52.6	57.1	60.7	61.6	61.4
85°	26.1	30.4	35.1	39.6	45.2	49.9	54.2	58.5	62.0	62.4	61.5
87.5°	27.0	31.5	36.6	41.1	47.0	51.8	55.9	60.0	63.4	63.2	61.6
90°	28.1	32.8	38.2	42.9	49.1	53.8	57.7	61.6	64.8	64.0	61.6
92.5°	27.0	31.5	36.6	41.1	47.0	51.8	55.9	60.0	63.4	63.2	61.6
95°	26.1	30.4	35.1	39.6	45.2	49.9	54.2	58.5	62.0	62.4	61.5
97.5°	25.4	29.5	33.9	38.2	43.5	48.2	52.6	57.1	60.7	61.6	61.4
100°	24.8	28.7	32.7	37.0	41.9	46.7	51.3	55.9	59.5	61.0	61.3
102.5°	24.3	27.9	31.6	35.8	40.6	45.4	50.1	54.9	58.5	60.5	61.3
105°	23.9	27.2	30.6	34.7	39.5	44.2	49.2	54.0	57.6	60.2	61.3
107.5°	23.5	26.5	29.7	33.7	38.5	43.3	48.5	53.3	57.1	60.2	61.4
110°	23.1	25.8	28.9	32.7	37.2	41.8	47.1	52.0	56.4	60.5	61.5



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	22.7	25.0	28.0	31.6	35.7	40.0	44.6	49.1	53.1	57.2	58.5
115°	21.9	24.2	26.9	30.5	34.0	38.0	42.1	46.0	49.8	53.3	54.6
117.5°	21.1	23.2	26.0	29.1	32.2	35.8	39.3	42.9	46.4	49.3	50.6
120°	20.1	22.1	24.8	27.4	30.2	33.3	36.4	39.7	43.0	45.4	46.9
122.5°	18.8	21.0	23.2	25.5	27.9	30.6	33.5	36.5	39.6	41.7	43.5
125°	18.4	19.9	21.2	23.1	25.3	27.6	30.4	33.2	35.9	38.3	40.4
127.5°	18.0	19.1	20.2	21.3	22.4	24.7	27.3	29.8	32.5	35.2	37.8
130°	17.2	18.3	19.4	20.4	21.6	23.1	24.7	26.6	29.4	32.4	35.8
132.5°	16.4	17.5	18.6	19.7	21.0	22.4	23.8	25.7	28.0	30.6	34.4
135°	15.8	16.8	17.9	19.0	20.2	21.6	23.1	24.9	27.2	30.0	33.3
137.5°	15.2	16.2	17.2	18.3	19.5	20.8	22.3	24.2	26.3	29.0	32.0
140°	14.6	15.5	16.4	17.6	18.8	20.0	21.5	23.3	25.5	27.8	30.4
142.5°	13.8	14.7	15.8	16.8	17.8	19.1	20.7	22.4	24.2	26.4	28.7
145°	13.2	14.2	14.9	15.8	16.9	18.3	19.6	21.1	22.8	24.7	26.9
147.5°	12.4	13.0	13.8	14.9	16.0	17.1	18.2	19.6	21.1	22.8	24.6
150°	11.3	12.1	12.9	13.8	14.5	15.4	16.5	17.8	19.1	20.4	21.9
152.5°	10.7	11.5	11.9	12.4	12.9	13.6	14.6	15.5	16.5	17.5	18.6
155°	9.9	10.3	10.8	11.4	12.0	12.6	13.0	13.4	13.7	14.0	14.7
157.5°	8.9	9.5	10.0	10.6	11.0	11.3	11.7	12.0	12.3	12.6	12.8
160°	8.2	8.6	9.0	9.3	9.7	10.0	10.3	10.6	10.9	11.1	11.4
162.5°	7.1	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.5	9.7	9.9
165°	6.1	6.4	6.7	7.0	7.2	7.5	7.7	7.9	8.1	8.3	8.5
167.5°	5.0	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1
170°	4.0	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.4	5.5	5.6
172.5°	3.0	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1	4.2
175°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.8
177.5°	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231900

CATALOG NUMBER: FVS4WM-2-LD4-30-1STD-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°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.8
5°	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.5
7.5°	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.7	4.7	5.3
10°	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.2	6.2	7.0
12.5°	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.7	7.8	7.8	8.8
15°	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.3	9.3	10.5
17.5°	10.1	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9	10.9	12.3
20°	11.6	11.7	11.9	12.1	12.2	12.3	12.3	12.4	12.4	12.4	14.0
22.5°	13.0	13.2	13.4	13.6	13.7	13.8	13.9	14.0	14.0	14.0	15.8
25°	15.5	16.4	17.1	17.8	18.4	18.7	19.0	19.1	19.1	19.0	20.9
27.5°	19.8	20.9	22.1	23.0	23.7	24.2	24.3	24.3	24.3	24.1	25.9
30°	23.5	25.1	26.6	28.1	29.0	29.8	29.8	29.7	29.4	29.1	31.0
32.5°	26.6	28.8	30.8	32.8	34.2	35.2	35.3	35.0	34.6	34.1	36.0
35°	29.3	32.0	34.8	37.2	39.3	40.5	40.9	40.4	39.8	39.2	41.0
37.5°	31.6	34.7	38.2	41.3	44.3	45.7	46.5	45.9	45.1	44.2	46.0
40°	33.5	37.1	41.2	45.2	48.7	50.9	52.2	51.3	50.3	49.2	51.0
42.5°	35.0	39.3	43.9	49.0	52.9	56.0	57.9	56.8	55.6	54.3	55.9
45°	36.7	41.1	46.2	51.9	57.0	61.1	63.2	62.4	60.9	59.3	60.9
47.5°	38.2	42.2	47.3	52.8	58.0	62.4	64.8	64.9	64.3	64.0	67.2
50°	39.3	42.6	47.2	52.4	57.8	62.7	65.8	67.1	67.6	68.7	73.7
52.5°	40.8	43.7	47.5	52.3	57.6	62.7	66.8	69.2	70.8	73.3	80.3
55°	42.8	45.1	48.1	52.3	57.5	62.8	67.6	71.2	73.9	78.0	87.0
57.5°	45.2	46.9	48.9	52.6	57.5	63.0	68.4	73.0	77.0	82.7	93.7
60°	48.0	49.0	50.2	53.3	57.7	63.1	69.1	74.7	79.9	87.4	100.6
62.5°	51.2	51.4	51.9	54.2	58.0	63.3	69.7	76.4	82.8	92.0	107.5
65°	54.7	54.2	53.9	55.3	58.4	63.5	70.2	77.9	85.7	96.7	114.5
67.5°	58.3	57.2	56.1	56.5	59.0	63.7	70.8	79.4	88.4	101.4	121.6
70°	60.5	58.6	56.7	56.5	58.6	63.1	70.1	78.6	87.7	100.9	121.0
72.5°	60.3	58.2	56.3	56.0	58.0	62.4	69.4	77.8	87.0	100.4	120.3
75°	60.0	57.8	55.9	55.5	57.4	61.8	68.8	77.1	86.3	99.8	120.2
77.5°	59.8	57.4	55.3	55.1	56.9	61.3	68.2	76.4	85.6	99.3	119.1
80°	59.6	56.9	54.8	54.7	56.3	60.8	67.7	75.7	85.0	98.8	118.1
82.5°	59.4	56.4	54.2	54.2	55.9	60.3	67.3	75.0	84.4	98.3	117.0
85°	59.1	55.8	53.6	53.8	55.4	59.9	66.9	74.4	83.8	97.7	116.0
87.5°	58.8	55.2	52.9	53.5	55.0	59.6	66.6	73.8	83.2	97.2	114.9
90°	58.5	54.6	52.3	53.1	54.6	59.3	66.3	73.3	82.7	96.7	113.9
92.5°	58.8	55.2	52.9	53.5	55.0	59.6	66.6	73.8	83.2	97.2	114.9
95°	59.1	55.8	53.6	53.8	55.4	59.9	66.9	74.4	83.8	97.7	116.0
97.5°	59.4	56.4	54.2	54.2	55.9	60.3	67.3	75.0	84.4	98.3	117.0
100°	59.6	56.9	54.8	54.7	56.3	60.8	67.7	75.7	85.0	98.8	118.1
102.5°	59.8	57.4	55.3	55.1	56.9	61.3	68.2	76.4	85.6	99.3	119.1
105°	60.0	57.8	55.9	55.5	57.4	61.8	68.8	77.1	86.3	99.8	120.2
107.5°	60.3	58.2	56.3	56.0	58.0	62.4	69.4	77.8	87.0	100.4	120.3
110°	60.5	58.6	56.7	56.5	58.6	63.1	70.1	78.6	87.7	100.9	121.0



TEST NUMBER: P231900

CATALOG NUMBER: FVS4WM-2-LD4-30-1STD-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°	58.3	57.2	56.1	56.5	59.0	63.7	70.8	79.4	88.4	101.4	121.6
115°	54.7	54.2	53.9	55.3	58.4	63.5	70.2	77.9	85.7	96.7	114.5
117.5°	51.2	51.4	51.9	54.2	58.0	63.3	69.7	76.4	82.8	92.0	107.5
120°	48.0	49.0	50.2	53.3	57.7	63.1	69.1	74.7	79.9	87.4	100.6
122.5°	45.2	46.9	48.9	52.6	57.5	63.0	68.4	73.0	77.0	82.7	93.7
125°	42.8	45.1	48.1	52.3	57.5	62.8	67.6	71.2	73.9	78.0	87.0
127.5°	40.8	43.7	47.5	52.3	57.6	62.7	66.8	69.2	70.8	73.3	80.3
130°	39.3	42.6	47.2	52.4	57.8	62.7	65.8	67.1	67.6	68.7	73.7
132.5°	38.2	42.2	47.3	52.8	58.0	62.4	64.8	64.9	64.3	64.0	67.2
135°	36.7	41.1	46.2	51.9	57.0	61.1	63.2	62.4	60.9	59.3	60.9
137.5°	35.0	39.3	43.9	49.0	52.9	56.0	57.9	56.8	55.6	54.3	55.9
140°	33.5	37.1	41.2	45.2	48.7	50.9	52.2	51.3	50.3	49.2	51.0
142.5°	31.6	34.7	38.2	41.3	44.3	45.7	46.5	45.9	45.1	44.2	46.0
145°	29.3	32.0	34.8	37.2	39.3	40.5	40.9	40.4	39.8	39.2	41.0
147.5°	26.6	28.8	30.8	32.8	34.2	35.2	35.3	35.0	34.6	34.1	36.0
150°	23.5	25.1	26.6	28.1	29.0	29.8	29.8	29.7	29.4	29.1	31.0
152.5°	19.8	20.9	22.1	23.0	23.7	24.2	24.3	24.3	24.3	24.1	25.9
155°	15.5	16.4	17.1	17.8	18.4	18.7	19.0	19.1	19.1	19.0	20.9
157.5°	13.0	13.2	13.4	13.6	13.7	13.8	13.9	14.0	14.0	14.0	15.8
160°	11.6	11.7	11.9	12.1	12.2	12.3	12.3	12.4	12.4	12.4	14.0
162.5°	10.1	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9	10.9	12.3
165°	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.3	9.3	10.5
167.5°	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.7	7.8	7.8	8.8
170°	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.2	6.2	7.0
172.5°	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.7	4.7	5.3
175°	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.5
177.5°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.4	3.5	3.7
5°	3.9	4.3	4.7	5.1	5.4	5.8	6.1	6.5	6.8	7.1	7.4
7.5°	5.9	6.5	7.0	7.6	8.1	8.7	9.2	10.0	10.7	11.4	12.1
10°	7.8	8.6	9.4	10.1	10.9	12.0	13.0	14.0	14.9	15.9	16.8
12.5°	9.8	10.8	11.7	12.8	14.1	15.4	16.7	17.9	19.0	20.1	21.1
15°	11.7	12.9	14.1	15.7	17.2	18.8	20.2	21.6	22.9	24.1	25.5
17.5°	13.7	15.0	16.7	18.5	20.3	22.0	23.6	25.1	26.5	28.0	29.4
20°	15.6	17.2	19.3	21.3	23.3	25.1	26.7	28.4	30.1	31.7	33.3
22.5°	17.5	19.5	21.8	24.1	26.1	28.0	29.8	31.7	33.5	35.3	37.0
25°	22.6	24.8	27.1	29.2	31.0	32.7	34.3	35.8	37.2	38.6	40.5
27.5°	27.7	30.2	32.7	34.9	36.8	38.5	40.1	41.7	43.2	44.6	45.7
30°	32.8	35.6	38.3	40.4	42.6	44.2	45.8	47.4	49.0	50.2	51.2
32.5°	38.0	41.0	43.7	46.0	48.0	49.6	51.3	53.1	54.5	55.5	56.9
35°	43.2	46.3	49.1	51.5	53.3	55.0	56.8	58.5	59.5	60.7	62.5
37.5°	48.3	51.6	54.4	56.9	58.4	60.1	62.1	63.4	64.4	66.0	67.9
40°	53.5	56.9	59.7	62.0	63.4	65.3	67.2	68.0	69.2	70.8	73.7
42.5°	58.6	62.1	64.9	66.9	68.3	70.4	71.8	72.5	73.9	76.1	79.2
45°	63.7	67.2	70.2	71.8	73.3	75.4	76.2	77.0	78.2	81.2	84.6
47.5°	71.9	76.9	80.9	82.6	83.3	83.5	82.7	82.0	82.9	86.3	89.8
50°	80.5	87.4	93.2	96.1	96.2	95.6	94.7	94.2	94.9	96.1	97.4
52.5°	89.3	98.3	105.6	110.0	108.6	107.5	106.9	106.6	107.6	108.6	110.6
55°	98.4	109.5	118.4	123.6	120.6	119.5	119.1	119.3	120.0	120.8	123.0
57.5°	107.6	121.0	131.5	136.4	132.3	131.4	131.3	131.7	132.2	132.9	134.8
60°	117.1	132.7	144.9	148.9	144.2	143.3	143.6	143.9	144.1	144.6	145.6
62.5°	126.6	144.6	158.6	161.1	156.2	155.5	155.9	156.0	155.7	155.7	155.7
65°	136.4	156.8	172.4	173.1	168.1	167.7	168.1	167.8	167.0	166.3	165.0
67.5°	146.2	169.0	186.4	184.8	180.0	179.9	180.2	179.4	178.0	176.3	173.7
70°	146.0	170.1	189.5	189.8	187.7	188.1	188.4	188.1	187.1	185.2	181.9
72.5°	145.4	170.2	191.0	194.0	193.9	193.6	192.9	192.3	190.7	188.0	184.9
75°	144.7	170.2	192.6	198.8	200.2	198.8	197.3	196.4	194.2	190.6	187.4
77.5°	143.8	170.1	194.2	204.1	206.6	203.9	201.5	200.6	197.5	193.1	189.9
80°	143.7	169.9	195.7	209.9	213.0	208.7	205.7	204.8	200.8	195.6	192.5
82.5°	142.3	170.3	198.1	215.9	219.4	213.5	209.8	209.0	204.0	198.1	195.2
85°	140.9	169.4	198.9	222.5	226.0	218.0	213.8	213.2	207.2	200.6	197.9
87.5°	139.5	168.6	199.7	228.2	232.3	222.9	218.1	217.4	210.4	203.2	200.7
90°	138.1	167.7	200.5	234.0	238.7	227.8	222.3	221.6	213.8	206.0	203.6
92.5°	139.5	168.6	199.7	228.2	232.3	222.9	218.1	217.4	210.4	203.2	200.7
95°	140.9	169.4	198.9	222.5	226.0	218.0	213.8	213.2	207.2	200.6	197.9
97.5°	142.3	170.3	198.1	215.9	219.4	213.5	209.8	209.0	204.0	198.1	195.2
100°	143.7	169.9	195.7	209.9	213.0	208.7	205.7	204.8	200.8	195.6	192.5
102.5°	143.8	170.1	194.2	204.1	206.6	203.9	201.5	200.6	197.5	193.1	189.9
105°	144.7	170.2	192.6	198.8	200.2	198.8	197.3	196.4	194.2	190.6	187.4
107.5°	145.4	170.2	191.0	194.0	193.9	193.6	192.9	192.3	190.7	188.0	184.9
110°	146.0	170.1	189.5	189.8	187.7	188.1	188.4	188.1	187.1	185.2	181.9



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	146.2	169.0	186.4	184.8	180.0	179.9	180.2	179.4	178.0	176.3	173.7
115°	136.4	156.8	172.4	173.1	168.1	167.7	168.1	167.8	167.0	166.3	165.0
117.5°	126.6	144.6	158.6	161.1	156.2	155.5	155.9	156.0	155.7	155.7	155.7
120°	117.1	132.7	144.9	148.9	144.2	143.3	143.6	143.9	144.1	144.6	145.6
122.5°	107.6	121.0	131.5	136.4	132.3	131.4	131.3	131.7	132.2	132.9	134.8
125°	98.4	109.5	118.4	123.6	120.6	119.5	119.1	119.3	120.0	120.8	123.0
127.5°	89.3	98.3	105.6	110.0	108.6	107.5	106.9	106.6	107.6	108.6	110.6
130°	80.5	87.4	93.2	96.1	96.2	95.6	94.7	94.2	94.9	96.1	97.4
132.5°	71.9	76.9	80.9	82.6	83.3	83.5	82.7	82.0	82.9	86.3	89.8
135°	63.7	67.2	70.2	71.8	73.3	75.4	76.2	77.0	78.2	81.2	84.6
137.5°	58.6	62.1	64.9	66.9	68.3	70.4	71.8	72.5	73.9	76.1	79.2
140°	53.5	56.9	59.7	62.0	63.4	65.3	67.2	68.0	69.2	70.8	73.7
142.5°	48.3	51.6	54.4	56.9	58.4	60.1	62.1	63.4	64.4	66.0	67.9
145°	43.2	46.3	49.1	51.5	53.3	55.0	56.8	58.5	59.5	60.7	62.5
147.5°	38.0	41.0	43.7	46.0	48.0	49.6	51.3	53.1	54.5	55.5	56.9
150°	32.8	35.6	38.3	40.4	42.6	44.2	45.8	47.4	49.0	50.2	51.2
152.5°	27.7	30.2	32.7	34.9	36.8	38.5	40.1	41.7	43.2	44.6	45.7
155°	22.6	24.8	27.1	29.2	31.0	32.7	34.3	35.8	37.2	38.6	40.5
157.5°	17.5	19.5	21.8	24.1	26.1	28.0	29.8	31.7	33.5	35.3	37.0
160°	15.6	17.2	19.3	21.3	23.3	25.1	26.7	28.4	30.1	31.7	33.3
162.5°	13.7	15.0	16.7	18.5	20.3	22.0	23.6	25.1	26.5	28.0	29.4
165°	11.7	12.9	14.1	15.7	17.2	18.8	20.2	21.6	22.9	24.1	25.5
167.5°	9.8	10.8	11.7	12.8	14.1	15.4	16.7	17.9	19.0	20.1	21.1
170°	7.8	8.6	9.4	10.1	10.9	12.0	13.0	14.0	14.9	15.9	16.8
172.5°	5.9	6.5	7.0	7.6	8.1	8.7	9.2	10.0	10.7	11.4	12.1
175°	3.9	4.3	4.7	5.1	5.4	5.8	6.1	6.5	6.8	7.1	7.4
177.5°	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.4	3.5	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: P231900

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.8	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8
5°	7.8	8.3	8.7	9.0	9.4	9.8	10.1	10.4	10.6	10.9	11.1
7.5°	12.8	13.4	14.0	14.6	15.1	15.6	16.1	16.5	16.9	17.3	17.6
10°	17.6	18.4	19.2	19.9	20.6	21.2	21.9	22.4	23.0	23.5	24.0
12.5°	22.2	23.1	24.1	25.0	25.8	26.7	27.5	28.2	28.9	29.6	30.4
15°	26.5	27.7	28.8	29.9	31.0	32.1	33.2	34.3	35.3	36.3	37.2
17.5°	30.8	32.3	33.5	34.9	36.3	37.6	38.8	40.0	41.2	42.3	43.4
20°	34.9	36.5	38.1	39.6	41.0	42.4	43.8	45.2	46.6	47.9	49.1
22.5°	38.8	40.5	42.1	43.6	45.2	47.1	48.8	50.5	52.0	53.1	54.0
25°	42.2	43.8	45.7	47.7	49.9	52.0	54.0	55.7	57.1	58.5	59.9
27.5°	46.6	47.9	49.8	52.3	55.0	57.5	60.0	62.1	64.2	66.0	67.5
30°	52.7	54.5	56.5	59.0	61.4	64.3	67.4	70.1	72.4	74.3	76.1
32.5°	58.8	61.0	63.7	66.4	69.6	72.8	75.9	78.9	81.4	83.7	85.6
35°	64.8	67.6	70.7	74.2	77.6	81.2	84.6	87.9	90.9	93.9	96.9
37.5°	71.0	74.1	77.8	81.6	85.6	89.5	93.3	96.9	100.8	104.8	108.1
40°	76.9	80.6	84.7	89.2	93.6	97.8	102.1	106.4	110.8	115.2	119.7
42.5°	82.9	86.9	91.8	96.7	101.5	106.3	111.0	116.1	121.5	127.0	132.9
45°	88.4	93.6	98.8	104.2	109.3	114.4	120.2	126.0	132.3	139.3	147.6
47.5°	94.5	100.1	105.9	111.5	116.9	123.2	129.5	136.0	143.9	152.8	163.8
50°	100.9	106.7	112.7	118.4	124.9	131.7	138.2	146.4	156.2	168.0	181.4
52.5°	113.7	117.4	121.0	125.6	133.3	139.3	147.2	157.2	169.4	184.2	202.1
55°	125.7	128.5	131.8	136.3	141.4	147.0	156.2	168.5	183.5	202.1	223.2
57.5°	136.6	138.6	141.5	145.7	150.6	158.7	168.3	180.0	198.8	220.2	244.3
60°	146.5	147.7	150.2	154.3	161.1	170.7	181.2	196.6	215.5	237.3	268.6
62.5°	155.6	156.1	157.9	162.3	172.2	182.2	194.6	211.4	232.7	261.4	293.8
65°	163.9	163.5	165.6	171.9	183.0	192.4	206.7	226.4	252.3	283.7	318.7
67.5°	171.5	170.1	172.7	182.1	192.4	202.7	218.0	239.8	270.4	303.9	341.8
70°	178.6	176.0	179.4	192.2	200.6	211.5	229.4	255.1	286.4	321.0	362.8
72.5°	182.3	181.5	187.5	200.9	208.0	218.9	239.3	267.9	299.3	336.5	378.8
75°	184.9	185.7	194.3	206.8	215.7	227.9	249.5	278.3	308.8	348.4	392.2
77.5°	187.6	189.8	200.7	213.0	223.1	237.4	260.3	288.7	320.3	359.2	402.9
80°	190.5	193.9	206.5	219.4	230.2	245.4	269.2	297.2	330.0	369.4	415.4
82.5°	193.5	197.9	211.8	225.8	236.9	252.1	276.4	303.8	336.8	376.6	424.5
85°	196.5	201.8	216.7	232.1	243.1	257.6	281.9	308.6	341.0	380.7	430.1
87.5°	199.6	205.6	221.2	238.3	249.1	262.5	286.5	312.5	343.6	383.3	433.8
90°	202.8	209.1	224.7	243.4	254.3	266.0	288.7	313.6	342.5	380.7	430.6
92.5°	199.6	205.6	221.2	238.3	249.1	262.5	286.5	312.5	343.6	383.3	433.8
95°	196.5	201.8	216.7	232.1	243.1	257.6	281.9	308.6	341.0	380.7	430.1
97.5°	193.5	197.9	211.8	225.8	236.9	252.1	276.4	303.8	336.8	376.6	424.5
100°	190.5	193.9	206.5	219.4	230.2	245.4	269.2	297.2	330.0	369.4	415.4
102.5°	187.6	189.8	200.7	213.0	223.1	237.4	260.3	288.7	320.3	359.2	402.9
105°	184.9	185.7	194.3	206.8	215.7	227.9	249.5	278.3	308.8	348.4	392.2
107.5°	182.3	181.5	187.5	200.9	208.0	218.9	239.3	267.9	299.3	336.5	378.8
110°	178.6	176.0	179.4	192.2	200.6	211.5	229.4	255.1	286.4	321.0	362.8



TEST NUMBER: P231900

CATALOG NUMBER: FVS4WM-2-LD4-30-1STD-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°	171.5	170.1	172.7	182.1	192.4	202.7	218.0	239.8	270.4	303.9	341.8
115°	163.9	163.5	165.6	171.9	183.0	192.4	206.7	226.4	252.3	283.7	318.7
117.5°	155.6	156.1	157.9	162.3	172.2	182.2	194.6	211.4	232.7	261.4	293.8
120°	146.5	147.7	150.2	154.3	161.1	170.7	181.2	196.6	215.5	237.3	268.6
122.5°	136.6	138.6	141.5	145.7	150.6	158.7	168.3	180.0	198.8	220.2	244.3
125°	125.7	128.5	131.8	136.3	141.4	147.0	156.2	168.5	183.4	202.1	223.2
127.5°	113.7	117.4	121.0	125.6	133.3	139.3	147.2	157.2	169.4	184.2	202.1
130°	100.9	106.7	112.7	118.4	124.9	131.7	138.2	146.4	156.2	168.0	181.4
132.5°	94.5	100.1	105.9	111.5	116.9	123.2	129.5	136.0	143.9	152.8	163.8
135°	88.4	93.6	98.8	104.2	109.3	114.4	120.2	126.0	132.3	139.3	147.6
137.5°	82.9	86.9	91.8	96.7	101.5	106.3	111.0	116.1	121.5	127.0	132.9
140°	76.9	80.6	84.7	89.2	93.6	97.8	102.1	106.4	110.8	115.2	119.7
142.5°	71.0	74.1	77.8	81.6	85.6	89.5	93.3	96.9	100.8	104.8	108.1
145°	64.8	67.6	70.7	74.2	77.6	81.2	84.6	87.9	90.9	93.9	96.9
147.5°	58.8	61.0	63.7	66.4	69.6	72.8	75.9	78.9	81.4	83.7	85.6
150°	52.7	54.5	56.5	59.0	61.4	64.3	67.4	70.1	72.4	74.3	76.1
152.5°	46.6	47.9	49.8	52.3	55.0	57.5	60.0	62.1	64.2	66.0	67.5
155°	42.2	43.8	45.7	47.7	49.9	52.0	54.0	55.7	57.1	58.5	59.9
157.5°	38.8	40.5	42.1	43.6	45.2	47.1	48.8	50.5	52.0	53.1	54.0
160°	34.9	36.5	38.1	39.6	41.0	42.4	43.8	45.2	46.6	47.9	49.1
162.5°	30.8	32.3	33.5	34.9	36.3	37.6	38.8	40.0	41.2	42.3	43.4
165°	26.5	27.7	28.8	29.9	31.0	32.1	33.2	34.3	35.3	36.3	37.2
167.5°	22.2	23.1	24.1	25.0	25.8	26.7	27.5	28.2	28.9	29.6	30.4
170°	17.6	18.4	19.2	19.9	20.6	21.2	21.9	22.4	23.0	23.5	24.0
172.5°	12.8	13.4	14.0	14.6	15.1	15.6	16.1	16.5	16.9	17.3	17.6
175°	7.8	8.3	8.7	9.0	9.4	9.8	10.1	10.4	10.6	10.9	11.1
177.5°	3.8	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8
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: P231900

CATALOG NUMBER: FVS4WM-2-LD4-30-1STD-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°	4.8	4.9	4.9	4.9	4.9	5.0	5.1	5.0	5.0	4.9	4.8
5°	11.3	11.5	11.6	11.8	11.9	11.9	12.0	12.0	12.2	12.1	12.0
7.5°	17.9	18.2	18.4	18.6	18.8	18.9	19.0	19.1	19.1	19.2	19.0
10°	24.4	24.8	25.1	25.4	25.6	25.8	25.9	26.0	26.1	26.3	26.1
12.5°	31.0	31.7	32.2	32.8	33.2	33.6	33.9	34.2	34.3	34.5	34.6
15°	38.0	38.8	39.5	40.2	40.8	41.3	41.8	42.2	42.5	42.7	43.1
17.5°	44.4	45.3	46.1	46.8	47.4	47.9	48.4	48.7	49.0	49.1	49.4
20°	50.2	51.1	51.5	51.8	52.0	52.0	51.9	51.8	51.5	51.2	50.8
22.5°	54.7	55.2	55.8	56.3	56.5	56.6	56.5	56.3	55.9	55.3	54.8
25°	61.0	61.8	62.4	62.8	62.9	62.8	62.5	62.0	61.3	60.4	59.4
27.5°	68.6	69.5	70.0	70.4	70.8	71.0	70.9	70.6	70.0	69.2	68.2
30°	77.4	78.6	79.6	80.3	81.8	83.1	84.2	84.9	85.4	85.5	85.2
32.5°	87.6	90.0	92.4	94.5	96.5	98.3	99.8	101.1	101.9	102.4	102.5
35°	99.8	102.8	105.7	108.4	111.2	115.0	118.6	121.8	124.5	126.7	128.4
37.5°	111.7	115.5	120.6	125.7	130.7	135.7	140.3	144.3	147.7	150.5	152.6
40°	125.1	130.8	137.5	144.1	150.4	157.3	164.8	171.8	178.0	183.3	187.6
42.5°	140.1	147.5	155.8	165.7	175.5	185.4	196.4	206.7	215.9	224.0	230.8
45°	156.5	167.3	177.8	191.5	205.4	220.4	233.1	246.3	258.2	268.7	277.5
47.5°	175.7	190.0	205.1	220.7	238.5	255.7	273.4	291.4	308.2	323.4	336.7
50°	198.2	215.5	234.6	253.4	274.4	296.8	319.9	344.0	365.7	384.7	400.9
52.5°	221.8	242.6	266.3	290.0	316.7	345.7	374.6	402.1	425.8	445.5	461.4
55°	245.8	273.0	301.5	333.7	366.5	400.9	433.7	462.6	484.9	500.8	511.1
57.5°	273.7	306.2	341.1	379.0	419.6	459.4	500.1	523.4	537.1	545.9	550.5
60°	302.9	339.9	380.2	423.1	469.1	510.8	546.6	568.8	574.5	578.6	581.0
62.5°	330.5	371.5	416.2	464.1	507.6	546.7	573.7	594.5	600.0	603.8	605.8
65°	357.6	399.1	447.1	495.6	538.5	572.6	599.4	615.9	622.2	626.2	629.0
67.5°	383.1	427.0	475.0	525.1	569.8	608.4	628.8	637.2	640.2	643.8	647.4
70°	405.6	453.9	505.3	558.3	613.4	638.8	650.9	653.6	655.0	658.9	663.8
72.5°	425.4	477.0	533.3	592.4	637.4	660.3	664.9	666.9	670.5	674.4	679.0
75°	441.9	498.9	557.1	611.9	651.1	669.9	674.5	676.8	682.0	689.4	693.4
77.5°	454.9	517.0	572.6	625.8	661.7	677.6	681.7	683.9	694.1	702.2	703.9
80°	470.1	527.9	582.0	638.9	675.7	686.8	690.0	696.3	703.7	709.2	706.9
82.5°	481.6	538.2	596.7	650.9	682.9	694.1	698.7	704.1	708.3	711.2	712.7
85°	487.8	544.8	606.2	661.3	688.1	696.6	701.7	704.3	704.1	711.7	721.6
87.5°	491.0	547.4	609.9	667.9	692.2	696.8	696.7	699.3	705.3	716.8	720.0
90°	485.3	545.3	607.7	669.4	694.3	695.9	689.7	695.1	713.8	723.2	720.9
92.5°	491.0	547.4	609.9	667.9	692.2	696.8	696.7	699.3	705.3	716.8	720.0
95°	487.8	544.8	606.2	661.3	688.1	696.6	701.7	704.3	704.1	711.7	721.6
97.5°	481.6	538.2	596.7	650.9	682.9	694.1	698.7	704.1	708.3	711.2	712.7
100°	470.1	527.9	582.0	638.9	675.7	686.8	690.0	696.3	703.7	709.2	706.9
102.5°	454.9	517.0	572.6	625.8	661.7	677.6	681.7	683.9	694.1	702.2	703.9
105°	441.9	498.9	557.1	611.9	651.1	669.9	674.5	676.8	682.0	689.4	693.4
107.5°	425.4	477.0	533.3	592.4	637.4	660.3	664.9	666.9	670.5	674.4	679.0
110°	405.6	453.9	505.3	558.3	613.4	638.8	650.9	653.6	655.0	658.9	663.8



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	383.1	427.0	475.0	525.1	569.8	608.4	628.8	637.2	640.2	643.8	647.4
115°	357.6	399.1	447.1	495.6	538.5	572.6	599.4	615.9	622.2	626.2	629.0
117.5°	330.5	371.5	416.2	464.1	507.6	546.7	573.7	594.5	600.0	603.8	605.8
120°	302.9	339.9	380.2	423.1	469.1	510.8	546.6	568.8	574.5	578.6	581.0
122.5°	273.7	306.2	341.1	379.0	419.6	459.4	500.1	523.4	537.1	545.9	550.5
125°	245.8	273.0	301.5	333.7	366.5	400.9	433.7	462.6	484.9	500.8	511.1
127.5°	221.8	242.6	266.3	290.0	316.7	345.7	374.6	402.1	425.8	445.5	461.4
130°	198.2	215.5	234.6	253.4	274.4	296.8	319.9	344.0	365.7	384.7	400.9
132.5°	175.7	190.0	205.1	220.7	238.5	255.7	273.4	291.4	308.2	323.4	336.7
135°	156.5	167.3	177.8	191.5	205.4	220.4	233.1	246.3	258.2	268.7	277.5
137.5°	140.1	147.5	155.8	165.7	175.5	185.4	196.4	206.7	215.9	224.0	230.8
140°	125.1	130.8	137.5	144.1	150.4	157.3	164.8	171.8	178.0	183.3	187.6
142.5°	111.7	115.5	120.6	125.7	130.7	135.7	140.3	144.3	147.7	150.5	152.6
145°	99.8	102.8	105.7	108.4	111.2	115.0	118.6	121.8	124.5	126.7	128.4
147.5°	87.6	90.0	92.4	94.5	96.5	98.3	99.8	101.1	101.9	102.4	102.5
150°	77.4	78.6	79.6	80.3	81.8	83.1	84.2	84.9	85.4	85.5	85.2
152.5°	68.6	69.5	70.0	70.4	70.8	71.0	70.9	70.6	70.0	69.2	68.2
155°	61.0	61.8	62.4	62.8	62.9	62.8	62.5	62.0	61.3	60.4	59.4
157.5°	54.7	55.2	55.8	56.3	56.5	56.6	56.5	56.3	55.9	55.3	54.8
160°	50.2	51.1	51.5	51.8	52.0	52.0	51.9	51.8	51.5	51.2	50.8
162.5°	44.4	45.3	46.1	46.8	47.4	47.9	48.4	48.7	49.0	49.1	49.4
165°	38.0	38.8	39.5	40.2	40.8	41.3	41.8	42.2	42.5	42.7	43.1
167.5°	31.0	31.7	32.2	32.8	33.2	33.6	33.9	34.2	34.3	34.5	34.6
170°	24.4	24.8	25.1	25.4	25.6	25.8	25.9	26.0	26.1	26.3	26.1
172.5°	17.9	18.2	18.4	18.6	18.8	18.9	19.0	19.1	19.1	19.2	19.0
175°	11.3	11.5	11.6	11.8	11.9	11.9	12.0	12.0	12.2	12.1	12.0
177.5°	4.8	4.9	4.9	4.9	4.9	5.0	5.1	5.0	5.0	4.9	4.8
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: P231900

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	4.8	4.7
5°	11.8	11.7
7.5°	18.9	18.7
10°	25.9	25.7
12.5°	34.5	34.3
15°	43.0	42.9
17.5°	49.2	49.1
20°	50.4	49.9
22.5°	54.0	53.1
25°	58.3	57.0
27.5°	67.0	65.5
30°	84.8	83.5
32.5°	102.4	101.4
35°	129.7	129.5
37.5°	154.4	154.5
40°	191.5	192.7
42.5°	236.9	239.5
45°	285.5	289.4
47.5°	349.1	355.7
50°	415.7	423.6
52.5°	475.2	482.1
55°	518.1	518.8
57.5°	552.5	549.2
60°	582.5	579.7
62.5°	605.8	603.8
65°	630.3	629.6
67.5°	650.2	651.4
70°	666.8	667.8
72.5°	681.2	681.1
75°	690.5	684.2
77.5°	697.3	688.9
80°	706.2	709.9
82.5°	716.0	718.5
85°	722.3	717.7
87.5°	723.9	719.3
90°	725.5	723.2
92.5°	723.9	719.3
95°	722.3	717.7
97.5°	716.0	718.5
100°	706.2	709.9
102.5°	697.3	688.9
105°	690.5	684.2
107.5°	681.2	681.1
110°	666.8	667.8



TEST NUMBER: P231900

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	650.2	651.4
115°	630.3	629.6
117.5°	605.8	603.8
120°	582.5	579.7
122.5°	552.5	549.2
125°	518.1	518.8
127.5°	475.2	482.1
130°	415.7	423.6
132.5°	349.1	355.7
135°	285.5	289.4
137.5°	236.9	239.5
140°	191.5	192.7
142.5°	154.4	154.5
145°	129.7	129.5
147.5°	102.4	101.4
150°	84.8	83.5
152.5°	67.0	65.5
155°	58.3	57.0
157.5°	54.0	53.1
160°	50.4	49.9
162.5°	49.2	49.1
165°	43.0	42.9
167.5°	34.5	34.3
170°	25.9	25.7
172.5°	18.9	18.7
175°	11.8	11.7
177.5°	4.8	4.7
180°	0.0	0.0

(END OF REPORT)