

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: P232040

Luminaire Tested: **FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-25)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

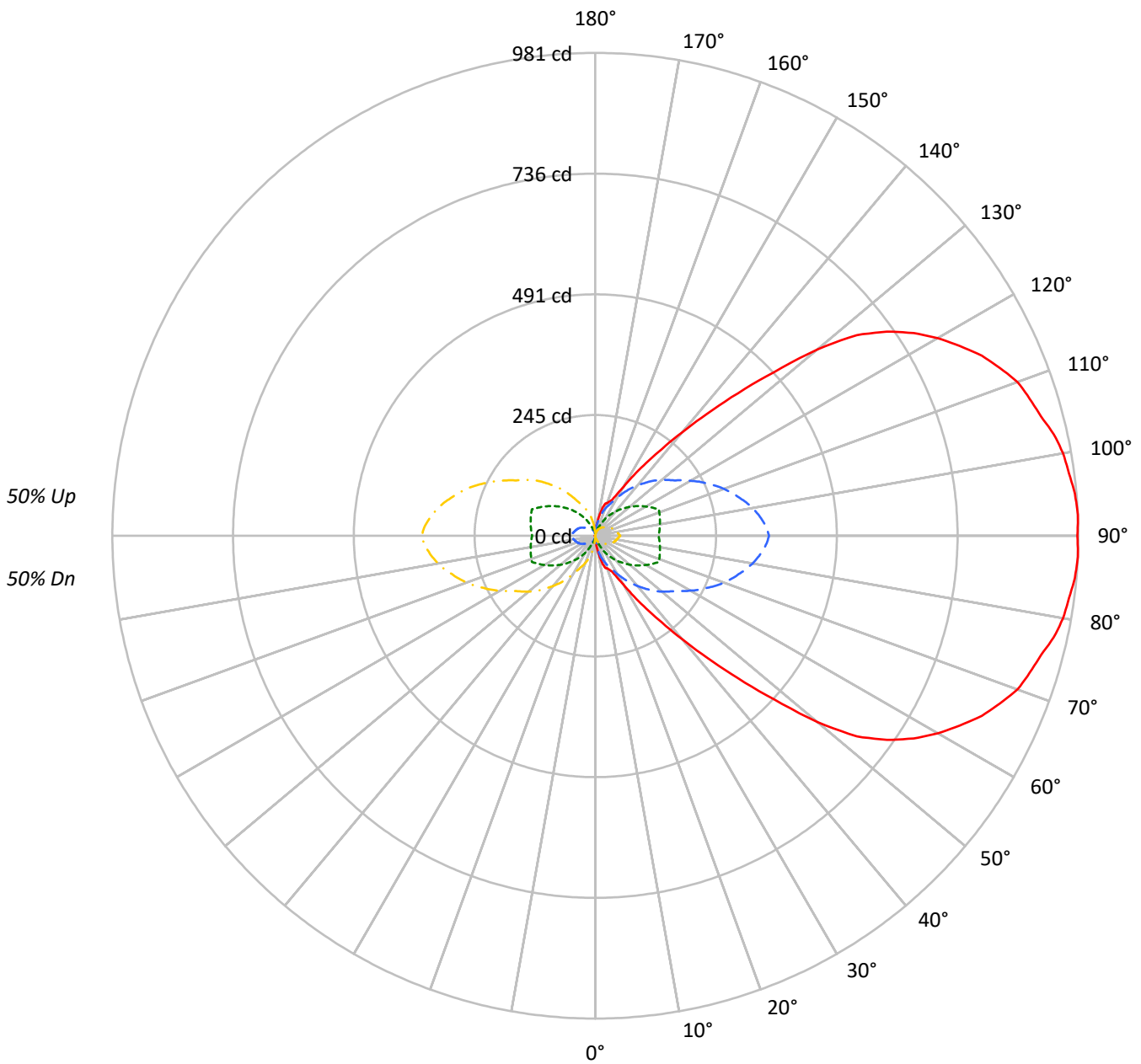
Lumens per Lamp: N/A
Luminaire Lumens: 2252.9 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	63	58	54	50	47	43	39	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	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	33	58	46	37	30	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	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	11	8	5
7	49	35	25	19	44	31	23	17	25	19	14	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°	267	84	0	84
10°	556	167	0	167
15°	856	254	0	254
20°	922	345	0	345
25°	985	532	0	532
30°	1328	826	0	826
35°	2000	1153	0	1153
40°	2936	1521	0	1521
45°	4271	1948	0	1948
50°	6041	2479	0	2479
55°	7340	3128	0	3128
60°	8133	3945	0	3945
65°	8819	5022	0	5022
70°	9414	6149	6	6149
75°	9868	7377	6	7377
80°	10463	9398	0	9398
85°	11014	13288	0	13288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.0
10°-20°	7.2	0.3
20°-30°	19.3	0.9
30°-40°	44.4	2.0
40°-50°	88.0	3.9
50°-60°	157.2	7.0
60°-70°	228.8	10.2
70°-80°	277.8	12.3
80°-90°	302.9	13.4
90°-100°	302.9	13.4
100°-110°	277.8	12.3
110°-120°	228.8	10.2
120°-130°	157.2	7.0
130°-140°	88.0	3.9
140°-150°	44.4	2.0
150°-160°	19.3	0.9
160°-170°	7.2	0.3
170°-180°	1.0	0.0
0°-30°	27.4	1.2
0°-40°	71.8	3.2
0°-60°	317.0	14.1
0°-90°	1126.5	50.0
90°-120°	809.5	35.9
90°-150°	1099.0	48.8
90°-180°	1126.0	50.0
0°-180°	2252.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	16	4	0	4	16	2
15°	61	13	0	13	61	17
25°	81	26	0	26	81	40
35°	180	52	0	52	180	119
45°	409	78	0	78	409	326
55°	723	105	0	105	723	642
65°	866	133	0	133	866	856
75°	937	136	1	136	937	993
85°	978	131	0	131	978	796
90°	979	128	0	128	979	537
95°	978	131	0	131	978	796
105°	937	136	1	136	937	993
115°	866	133	0	133	866	856
125°	723	105	0	105	723	642
135°	409	78	0	78	409	326
145°	180	52	0	52	180	119
155°	81	26	0	26	81	40
165°	61	13	0	13	61	17
175°	16	4	0	4	16	2
180°	0	0	0	0	0	



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.5	6.5	6.5	6.5
5°	15.5	15.7	15.8	16.0	16.2	15.9	15.9	15.8	15.8	15.6	15.5
7.5°	26.0	26.2	26.5	26.7	26.4	26.4	26.3	26.1	25.9	25.7	25.3
10°	36.0	36.3	36.5	36.8	36.5	36.4	36.2	36.0	35.7	35.4	34.9
12.5°	47.1	47.3	47.6	47.3	47.2	47.0	46.6	46.2	45.7	45.2	44.5
15°	60.8	60.9	60.9	60.3	59.9	59.3	58.6	57.8	56.9	55.9	54.8
17.5°	68.8	68.9	69.1	68.7	68.4	68.0	67.5	66.9	66.2	65.3	64.4
20°	70.7	71.3	72.0	72.3	72.7	73.0	73.1	73.0	72.8	72.3	71.7
22.5°	75.0	76.1	77.3	78.0	78.7	79.2	79.5	79.7	79.5	79.2	78.5
25°	80.6	82.4	83.9	85.2	86.4	87.3	88.0	88.3	88.3	88.0	87.4
27.5°	93.6	95.6	97.0	98.3	99.2	99.8	100.1	100.1	99.7	99.0	98.3
30°	114.7	116.6	117.4	118.0	118.2	117.9	117.2	116.1	114.7	113.0	111.8
32.5°	145.7	146.9	146.5	145.8	144.5	142.5	140.0	137.1	133.8	130.8	128.3
35°	180.4	180.9	179.4	177.4	174.7	171.3	167.2	162.5	157.4	152.7	147.9
37.5°	222.6	221.9	218.6	214.8	209.9	204.2	197.8	190.7	183.3	176.7	169.7
40°	274.1	272.2	266.8	260.7	253.1	244.2	234.1	223.0	212.5	203.0	193.3
42.5°	334.8	331.3	323.3	314.4	303.7	291.4	277.7	262.8	248.7	234.2	219.1
45°	409.2	403.6	391.8	379.0	363.8	346.5	327.6	309.4	289.4	270.6	251.7
47.5°	491.1	483.3	468.1	451.5	432.0	409.8	385.5	360.4	335.8	310.5	288.0
50°	589.1	579.0	559.2	537.4	511.7	482.5	450.0	418.8	387.6	357.0	329.4
52.5°	669.7	662.0	644.5	623.9	597.5	565.2	526.9	487.7	447.5	409.1	374.7
55°	723.0	721.8	712.3	698.7	678.4	650.4	613.6	567.3	516.5	469.6	423.5
57.5°	766.4	769.2	765.0	757.8	745.5	727.6	698.1	646.4	594.1	534.4	478.6
60°	803.0	805.5	802.6	798.7	792.4	784.1	756.7	712.3	658.4	596.9	535.6
62.5°	834.6	836.0	834.8	831.0	824.7	816.0	793.6	761.3	711.5	653.4	587.2
65°	866.2	865.4	862.4	857.9	852.5	844.7	826.8	799.9	757.2	700.6	633.3
67.5°	889.8	889.5	886.7	881.3	873.7	867.1	857.8	837.8	802.4	746.6	677.3
70°	912.7	910.2	905.8	900.6	896.0	888.2	879.4	866.6	843.2	792.1	719.7
72.5°	925.2	924.4	921.3	915.4	911.6	905.1	896.6	886.9	865.8	821.4	754.7
75°	936.9	936.9	934.7	930.4	924.5	919.1	911.3	900.5	883.4	843.6	779.7
77.5°	953.7	951.9	947.9	942.6	936.2	927.8	922.9	914.0	897.8	863.8	802.1
80°	964.8	962.4	958.6	951.3	945.2	937.3	928.6	924.8	914.0	882.9	819.0
82.5°	970.4	969.3	967.8	964.2	951.4	944.0	934.2	928.8	920.8	893.5	835.7
85°	977.9	976.8	972.5	964.8	955.1	949.1	938.3	930.1	922.2	900.3	846.3
87.5°	981.0	977.0	972.8	965.8	954.0	950.2	939.8	931.3	922.9	903.8	850.0
90°	979.1	974.8	969.2	968.6	954.3	948.7	939.4	932.0	922.1	902.8	846.4
92.5°	981.0	977.0	972.8	965.8	954.0	950.2	939.8	931.3	922.9	903.8	850.0
95°	977.9	976.8	972.5	964.8	955.1	949.1	938.3	930.1	922.2	900.3	846.3
97.5°	970.4	969.3	967.8	964.2	951.4	944.0	934.2	928.8	920.8	893.5	835.7
100°	964.8	962.4	958.6	951.3	945.2	937.3	928.6	924.8	914.0	882.9	819.0
102.5°	953.7	951.9	947.9	942.6	936.2	927.8	922.9	914.0	897.8	863.8	802.1
105°	936.9	936.9	934.7	930.4	924.5	919.1	911.3	900.5	883.4	843.6	779.7
107.5°	925.2	924.4	921.3	915.4	911.6	905.1	896.6	886.9	865.8	821.4	754.7
110°	912.7	910.2	905.8	900.6	896.0	888.2	879.4	866.6	843.2	792.1	719.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	889.8	889.5	886.7	881.3	873.7	867.1	857.8	837.8	802.4	746.6	677.3
115°	866.2	865.4	862.4	857.9	852.5	844.7	826.8	799.9	757.2	700.6	633.3
117.5°	834.6	836.0	834.8	831.0	824.7	816.0	793.6	761.3	711.5	653.4	587.2
120°	803.0	805.5	802.6	798.7	792.4	784.1	756.7	712.3	658.4	596.9	535.6
122.5°	766.4	769.2	765.0	757.8	745.5	727.6	698.1	646.4	594.1	534.4	478.6
125°	723.0	721.8	712.3	698.7	678.4	650.4	613.6	567.3	516.5	469.6	423.5
127.5°	669.7	662.0	644.5	623.9	597.5	565.2	526.9	487.7	447.5	409.1	374.7
130°	589.1	579.0	559.2	537.4	511.7	482.5	450.0	418.8	387.6	357.0	329.4
132.5°	491.1	483.3	468.1	451.5	432.0	409.8	385.5	360.4	335.8	310.5	288.0
135°	409.2	403.6	391.8	379.0	363.8	346.5	327.6	309.4	289.4	270.6	251.7
137.5°	334.8	331.3	323.3	314.4	303.7	291.4	277.7	262.8	248.7	234.2	219.1
140°	274.1	272.2	266.8	260.7	253.1	244.2	234.1	223.0	212.5	203.0	193.3
142.5°	222.6	221.9	218.6	214.8	209.9	204.2	197.8	190.7	183.3	176.7	169.7
145°	180.4	180.9	179.4	177.4	174.7	171.3	167.2	162.5	157.4	152.7	147.9
147.5°	145.7	146.9	146.5	145.8	144.5	142.5	140.0	137.1	133.8	130.8	128.3
150°	114.7	116.6	117.4	118.0	118.2	117.9	117.2	116.1	114.7	113.0	111.8
152.5°	93.6	95.6	97.0	98.3	99.2	99.8	100.1	100.1	99.7	99.0	98.3
155°	80.6	82.4	83.9	85.2	86.4	87.3	88.0	88.3	88.3	88.0	87.4
157.5°	75.0	76.1	77.3	78.0	78.7	79.2	79.5	79.7	79.5	79.2	78.5
160°	70.7	71.3	72.0	72.3	72.7	73.0	73.1	73.0	72.8	72.3	71.7
162.5°	68.8	68.9	69.1	68.7	68.4	68.0	67.5	66.9	66.2	65.3	64.4
165°	60.8	60.9	60.9	60.3	59.9	59.3	58.6	57.8	56.9	55.9	54.8
167.5°	47.1	47.3	47.6	47.3	47.2	47.0	46.6	46.2	45.7	45.2	44.5
170°	36.0	36.3	36.5	36.8	36.5	36.4	36.2	36.0	35.7	35.4	34.9
172.5°	26.0	26.2	26.5	26.7	26.4	26.4	26.3	26.1	25.9	25.7	25.3
175°	15.5	15.7	15.8	16.0	16.2	15.9	15.9	15.8	15.8	15.6	15.5
177.5°	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.5	6.5	6.5	6.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	6.5	6.4	6.3	6.3	6.2	6.1	6.0	5.9	5.7	5.6	5.4
5°	15.3	15.0	14.8	14.5	14.1	13.8	13.4	12.9	12.5	12.0	11.5
7.5°	25.0	24.5	24.0	23.5	22.9	22.3	21.6	20.9	20.2	19.4	18.7
10°	34.4	33.9	33.2	32.6	31.8	31.0	30.1	29.2	28.1	27.1	26.0
12.5°	43.8	43.0	42.1	41.2	40.2	39.2	38.1	37.0	35.7	34.5	33.1
15°	53.6	52.3	51.0	49.7	48.5	47.2	45.9	44.5	43.0	41.5	39.9
17.5°	63.3	62.1	60.5	58.8	57.0	55.2	53.3	51.5	49.8	48.1	46.3
20°	70.8	69.6	68.1	66.5	64.7	62.9	60.8	58.6	56.4	54.3	52.2
22.5°	77.7	76.7	75.4	73.7	71.8	69.6	67.4	65.0	62.6	60.2	57.8
25°	86.6	85.5	84.0	82.1	79.9	77.5	74.6	71.4	68.6	65.7	63.0
27.5°	97.4	96.1	94.2	92.1	89.7	86.9	84.0	79.9	75.7	71.5	68.1
30°	110.4	108.6	106.7	104.0	101.1	97.6	93.9	89.8	85.5	81.1	76.7
32.5°	125.5	122.5	119.8	117.1	114.0	110.2	105.5	100.6	96.0	91.3	86.7
35°	143.0	138.3	134.6	130.7	126.5	122.1	117.3	111.9	106.3	101.1	96.0
37.5°	162.6	156.5	150.6	145.0	139.2	133.6	128.2	122.7	116.8	110.7	104.9
40°	183.9	175.7	167.3	159.9	152.8	146.1	139.6	133.1	126.9	120.5	113.8
42.5°	206.9	195.9	185.2	176.0	167.5	159.2	151.5	144.1	136.7	129.8	122.8
45°	235.0	217.9	204.6	192.4	181.8	172.2	163.7	155.5	147.2	139.0	131.5
47.5°	266.7	245.8	227.1	209.8	196.9	185.2	175.3	166.5	157.9	148.7	140.0
50°	301.0	276.1	252.2	231.5	212.6	198.6	186.6	176.7	167.8	158.7	148.7
52.5°	340.6	309.3	279.7	254.2	231.8	212.1	197.9	186.3	177.2	167.9	160.0
55°	382.9	345.0	310.5	278.0	251.3	228.3	208.8	195.8	187.4	180.3	174.2
57.5°	428.5	382.0	342.0	305.2	271.6	244.5	224.7	209.5	198.9	191.7	185.5
60°	476.0	422.2	373.1	331.7	296.2	266.1	241.6	222.9	210.9	202.4	196.1
62.5°	522.5	461.7	407.6	361.6	322.0	287.0	259.5	237.8	222.1	212.1	205.8
65°	563.7	501.6	444.4	391.3	347.2	308.9	276.5	250.8	232.9	222.0	215.0
67.5°	606.2	539.6	478.4	421.9	370.2	327.8	293.0	265.1	244.6	231.3	223.5
70°	645.8	574.0	508.8	448.3	393.5	347.0	308.8	278.1	254.6	239.6	231.2
72.5°	678.2	603.5	533.3	470.5	414.4	363.4	321.7	290.5	263.6	247.9	238.8
75°	703.7	627.2	554.3	487.3	431.0	377.9	334.8	301.6	274.9	256.6	245.3
77.5°	721.8	644.0	570.2	503.6	446.6	395.0	349.9	313.7	285.3	264.8	251.7
80°	738.9	661.3	588.7	519.9	459.6	408.5	362.6	324.4	294.4	272.4	258.0
82.5°	756.5	676.0	602.0	532.0	468.7	418.5	372.9	333.7	302.3	279.4	264.0
85°	766.7	684.7	610.0	539.8	474.2	425.2	380.9	341.5	309.0	285.9	269.8
87.5°	769.5	690.4	615.3	545.5	477.8	430.1	387.7	348.6	315.1	292.1	275.4
90°	765.2	684.6	610.8	542.6	475.6	430.3	390.6	352.8	319.3	297.0	280.3
92.5°	769.5	690.4	615.3	545.5	477.8	430.1	387.7	348.6	315.1	292.1	275.4
95°	766.7	684.7	610.0	539.8	474.2	425.2	380.9	341.5	309.0	285.9	269.8
97.5°	756.5	676.0	602.0	532.0	468.7	418.5	372.9	333.7	302.3	279.4	264.0
100°	738.9	661.3	588.7	519.9	459.6	408.5	362.6	324.4	294.4	272.4	258.0
102.5°	721.8	644.0	570.2	503.6	446.6	395.0	349.9	313.7	285.3	264.8	251.7
105°	703.7	627.2	554.3	487.3	431.0	377.9	334.8	301.6	274.9	256.6	245.3
107.5°	678.2	603.5	533.3	470.5	414.4	363.4	321.7	290.5	263.6	247.9	238.8
110°	645.8	574.0	508.8	448.3	393.5	347.0	308.8	278.1	254.6	239.6	231.2



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	606.2	539.6	478.4	421.9	370.2	327.8	293.0	265.1	244.6	231.3	223.5
115°	563.7	501.6	444.4	391.3	347.2	308.9	276.5	250.8	232.9	222.0	215.0
117.5°	522.5	461.7	407.6	361.6	322.0	287.0	259.5	237.8	222.1	212.1	205.8
120°	476.0	422.2	373.1	331.7	296.2	266.1	241.6	222.9	210.9	202.4	196.1
122.5°	428.5	382.0	342.0	305.2	271.6	244.5	224.7	209.5	198.9	191.7	185.5
125°	382.9	345.0	310.5	278.0	251.3	228.3	208.8	195.8	187.4	180.3	174.2
127.5°	340.6	309.3	279.7	254.2	231.8	212.1	197.9	186.3	177.2	167.9	160.0
130°	301.0	276.1	252.2	231.5	212.6	198.6	186.6	176.7	167.8	158.7	148.7
132.5°	266.7	245.8	227.1	209.8	196.9	185.2	175.3	166.5	157.9	148.7	140.0
135°	235.0	217.9	204.6	192.4	181.8	172.2	163.7	155.5	147.2	139.0	131.5
137.5°	206.9	195.9	185.2	176.0	167.5	159.2	151.5	144.1	136.7	129.8	122.8
140°	183.9	175.7	167.3	159.9	152.8	146.1	139.6	133.1	126.9	120.5	113.8
142.5°	162.6	156.5	150.6	145.0	139.2	133.6	128.2	122.7	116.8	110.7	104.9
145°	143.0	138.3	134.6	130.7	126.5	122.1	117.3	111.9	106.3	101.1	96.0
147.5°	125.5	122.5	119.8	117.1	114.0	110.2	105.5	100.6	96.0	91.3	86.7
150°	110.4	108.6	106.7	104.0	101.1	97.6	93.9	89.8	85.5	81.1	76.7
152.5°	97.4	96.1	94.2	92.1	89.7	86.9	84.0	79.9	75.7	71.5	68.1
155°	86.6	85.5	84.0	82.1	79.9	77.5	74.6	71.4	68.6	65.7	63.0
157.5°	77.7	76.7	75.4	73.7	71.8	69.6	67.4	65.0	62.6	60.2	57.8
160°	70.8	69.6	68.1	66.5	64.7	62.9	60.8	58.6	56.4	54.3	52.2
162.5°	63.3	62.1	60.5	58.8	57.0	55.2	53.3	51.5	49.8	48.1	46.3
165°	53.6	52.3	51.0	49.7	48.5	47.2	45.9	44.5	43.0	41.5	39.9
167.5°	43.8	43.0	42.1	41.2	40.2	39.2	38.1	37.0	35.7	34.5	33.1
170°	34.4	33.9	33.2	32.6	31.8	31.0	30.1	29.2	28.1	27.1	26.0
172.5°	25.0	24.5	24.0	23.5	22.9	22.3	21.6	20.9	20.2	19.4	18.7
175°	15.3	15.0	14.8	14.5	14.1	13.8	13.4	12.9	12.5	12.0	11.5
177.5°	6.5	6.4	6.3	6.3	6.2	6.1	6.0	5.9	5.7	5.6	5.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.3	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.4	3.2
5°	10.9	10.4	9.8	9.4	9.0	8.6	8.2	7.7	7.3	6.8	6.3
7.5°	17.8	17.0	16.1	15.2	14.2	13.3	12.2	11.5	10.8	10.1	9.4
10°	24.8	23.6	22.4	21.2	19.9	18.6	17.3	15.9	14.5	13.5	12.5
12.5°	31.7	30.2	28.7	27.1	25.5	23.9	22.2	20.5	18.7	17.0	15.6
15°	38.2	36.5	35.0	32.9	31.0	29.1	27.1	25.1	23.0	20.9	18.7
17.5°	44.8	42.5	40.5	38.4	36.3	34.1	31.8	29.5	27.2	24.7	22.2
20°	50.2	48.2	46.1	43.7	41.3	38.9	36.4	33.8	31.3	28.5	25.7
22.5°	55.4	53.2	51.0	48.7	46.1	43.5	40.7	38.0	35.2	32.2	29.1
25°	60.2	57.8	55.4	53.0	51.2	49.0	46.6	44.1	41.5	38.9	35.9
27.5°	65.5	63.6	62.0	60.3	58.4	56.5	54.1	51.6	48.8	46.0	43.0
30°	73.8	71.2	69.0	67.2	65.4	63.5	61.4	58.7	56.2	53.0	50.0
32.5°	82.1	78.7	76.1	73.9	72.1	70.1	68.1	65.7	62.9	59.9	56.7
35°	91.0	86.3	83.0	80.4	78.4	76.5	74.5	72.5	69.6	66.7	63.4
37.5°	99.5	94.4	89.6	86.8	84.6	82.6	80.7	78.6	76.1	73.3	70.0
40°	107.7	101.9	97.0	92.7	90.4	88.5	86.7	84.7	82.4	79.7	76.5
42.5°	115.7	109.5	103.7	99.1	96.0	94.0	92.4	90.6	88.5	85.9	82.9
45°	124.0	116.6	110.5	105.3	101.1	99.4	97.8	96.3	94.3	92.0	89.2
47.5°	131.9	124.1	117.0	111.1	106.7	105.3	105.6	105.6	105.2	104.3	102.7
50°	139.8	131.8	126.5	122.8	120.3	119.2	119.6	119.6	119.4	119.0	117.7
52.5°	152.6	146.8	141.9	137.9	134.7	133.2	133.6	133.5	133.4	133.6	132.5
55°	166.6	161.0	156.4	152.5	149.1	147.5	147.4	147.5	147.1	147.9	147.1
57.5°	179.4	174.0	170.1	166.8	163.6	161.6	161.1	161.5	160.7	162.0	161.7
60°	190.8	186.1	182.8	180.3	177.7	175.4	174.8	175.5	174.6	175.9	176.2
62.5°	201.1	197.3	194.7	193.0	191.5	189.0	188.6	189.2	188.4	189.6	190.7
65°	210.4	207.4	205.8	205.1	204.9	202.7	202.3	202.9	202.3	203.3	205.1
67.5°	219.0	216.5	216.2	216.7	217.5	216.2	215.9	216.6	216.2	216.8	219.4
70°	226.9	225.0	225.9	227.1	227.8	226.6	225.5	225.5	225.0	224.4	224.5
72.5°	233.3	229.9	229.0	229.9	231.3	231.7	231.2	231.6	231.6	230.9	228.8
75°	238.2	233.5	231.5	232.4	234.7	236.4	236.8	237.6	238.1	237.8	233.4
77.5°	243.3	237.2	234.0	234.7	237.9	240.8	242.2	243.6	244.5	244.8	238.2
80°	248.4	241.1	236.5	236.9	240.9	245.0	247.6	249.6	250.7	252.1	243.3
82.5°	253.5	245.0	239.1	239.0	243.9	249.1	253.0	255.6	256.9	259.5	249.3
85°	258.5	248.8	241.6	241.1	246.9	252.9	258.2	261.5	262.9	267.1	254.0
87.5°	263.5	252.7	244.2	243.2	249.8	257.0	263.7	267.5	269.1	274.3	258.8
90°	267.9	256.1	246.8	245.5	253.0	261.1	269.1	273.5	275.3	281.5	263.5
92.5°	263.5	252.7	244.2	243.2	249.8	257.0	263.7	267.5	269.1	274.3	258.8
95°	258.5	248.8	241.6	241.1	246.9	252.9	258.2	261.5	262.9	267.1	254.0
97.5°	253.5	245.0	239.1	239.0	243.9	249.1	253.0	255.6	256.9	259.5	249.3
100°	248.4	241.1	236.5	236.9	240.9	245.0	247.6	249.6	250.7	252.1	243.3
102.5°	243.3	237.2	234.0	234.7	237.9	240.8	242.2	243.6	244.5	244.8	238.2
105°	238.2	233.5	231.5	232.4	234.7	236.4	236.8	237.6	238.1	237.8	233.4
107.5°	233.3	229.9	229.0	229.9	231.3	231.7	231.2	231.6	231.6	230.9	228.8
110°	226.9	225.0	225.9	227.1	227.8	226.6	225.5	225.5	225.0	224.4	224.5



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	219.0	216.5	216.2	216.7	217.5	216.2	215.9	216.6	216.2	216.8	219.4
115°	210.4	207.4	205.8	205.1	204.9	202.7	202.3	202.9	202.3	203.3	205.1
117.5°	201.1	197.3	194.7	193.0	191.5	189.0	188.6	189.2	188.4	189.6	190.7
120°	190.8	186.1	182.8	180.3	177.7	175.4	174.8	175.5	174.6	175.9	176.2
122.5°	179.4	174.0	170.1	166.8	163.6	161.6	161.1	161.5	160.7	162.0	161.7
125°	166.6	161.0	156.4	152.5	149.1	147.5	147.4	147.5	147.1	147.9	147.1
127.5°	152.6	146.8	141.9	137.9	134.7	133.2	133.6	133.5	133.4	133.6	132.5
130°	139.8	131.8	126.5	122.8	120.3	119.2	119.6	119.6	119.4	119.0	117.7
132.5°	131.9	124.1	117.0	111.1	106.7	105.3	105.6	105.6	105.2	104.3	102.7
135°	124.0	116.6	110.5	105.3	101.1	99.4	97.8	96.3	94.3	92.0	89.2
137.5°	115.7	109.5	103.7	99.1	96.0	94.0	92.4	90.6	88.5	85.9	82.9
140°	107.7	101.9	97.0	92.7	90.4	88.5	86.7	84.7	82.4	79.7	76.5
142.5°	99.5	94.4	89.6	86.8	84.6	82.6	80.7	78.6	76.1	73.3	70.0
145°	91.0	86.3	83.0	80.4	78.4	76.5	74.5	72.5	69.6	66.7	63.4
147.5°	82.1	78.7	76.1	73.9	72.1	70.1	68.1	65.7	62.9	59.9	56.7
150°	73.8	71.2	69.0	67.2	65.4	63.5	61.4	58.7	56.2	53.0	50.0
152.5°	65.5	63.6	62.0	60.3	58.4	56.5	54.1	51.6	48.8	46.0	43.0
155°	60.2	57.8	55.4	53.0	51.2	49.0	46.6	44.1	41.5	38.9	35.9
157.5°	55.4	53.2	51.0	48.7	46.1	43.5	40.7	38.0	35.2	32.2	29.1
160°	50.2	48.2	46.1	43.7	41.3	38.9	36.4	33.8	31.3	28.5	25.7
162.5°	44.8	42.5	40.5	38.4	36.3	34.1	31.8	29.5	27.2	24.7	22.2
165°	38.2	36.5	35.0	32.9	31.0	29.1	27.1	25.1	23.0	20.9	18.7
167.5°	31.7	30.2	28.7	27.1	25.5	23.9	22.2	20.5	18.7	17.0	15.6
170°	24.8	23.6	22.4	21.2	19.9	18.6	17.3	15.9	14.5	13.5	12.5
172.5°	17.8	17.0	16.1	15.2	14.2	13.3	12.2	11.5	10.8	10.1	9.4
175°	10.9	10.4	9.8	9.4	9.0	8.6	8.2	7.7	7.3	6.8	6.3
177.5°	5.3	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.4	3.2
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: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.9	2.7	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
5°	5.8	5.3	4.8	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0
7.5°	8.7	7.9	7.2	6.4	6.4	6.3	6.3	6.2	6.1	6.0	5.9
10°	11.5	10.6	9.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9
12.5°	14.4	13.2	11.9	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9
15°	17.2	15.8	14.3	12.8	12.7	12.5	12.4	12.2	12.1	12.0	11.9
17.5°	20.0	18.3	16.6	14.9	14.8	14.6	14.4	14.3	14.1	14.0	13.8
20°	22.8	20.9	19.0	17.1	16.9	16.6	16.4	16.3	16.2	16.0	15.8
22.5°	25.9	23.4	21.3	19.2	19.0	18.7	18.5	18.3	18.2	18.0	17.8
25°	32.7	29.9	27.8	25.7	25.5	25.2	24.9	24.6	24.1	23.4	22.7
27.5°	39.6	36.5	34.4	32.2	32.1	31.9	31.7	31.5	30.9	30.2	29.1
30°	46.5	43.0	40.9	38.6	38.7	38.6	38.6	38.4	37.7	36.9	35.3
32.5°	53.3	49.6	47.3	45.1	45.3	45.4	45.5	45.3	44.5	43.2	41.1
35°	59.9	56.2	53.7	51.6	52.0	52.2	52.5	52.1	51.3	49.2	46.5
37.5°	66.5	62.8	60.2	58.1	58.6	59.1	59.5	59.0	58.1	54.9	51.2
40°	73.0	69.3	66.5	64.5	65.3	66.0	66.5	65.8	64.0	60.4	55.4
42.5°	79.4	75.7	72.9	71.0	72.0	72.9	73.6	72.7	69.9	65.8	59.1
45°	85.7	82.1	79.2	77.5	78.8	79.8	80.4	79.5	75.6	69.9	62.5
47.5°	98.5	93.2	88.1	84.4	83.8	83.3	82.8	81.6	77.2	71.2	64.3
50°	112.2	104.9	97.2	91.3	88.7	86.4	84.5	82.4	77.3	71.0	64.6
52.5°	126.3	116.8	106.5	98.2	93.4	89.3	86.0	82.8	77.3	71.1	65.5
55°	140.6	129.1	115.8	105.1	98.0	91.9	87.4	83.2	77.4	71.5	66.8
57.5°	155.1	141.6	125.3	111.9	102.4	94.3	88.7	83.6	77.7	72.3	68.4
60°	169.8	154.4	134.9	118.8	106.8	96.6	89.9	84.1	78.2	73.7	70.7
62.5°	184.6	167.3	144.6	125.7	111.1	98.7	91.0	84.5	78.9	75.3	73.2
65°	199.6	180.4	154.3	132.6	115.3	100.6	92.1	85.0	79.8	77.2	76.1
67.5°	214.7	193.6	164.1	139.5	119.4	102.5	93.1	85.5	80.9	79.4	79.3
70°	217.1	193.8	163.2	138.3	118.2	101.4	92.2	84.5	80.4	79.4	80.2
72.5°	218.6	193.5	162.2	137.0	117.0	100.3	91.3	83.4	79.6	78.6	79.6
75°	220.1	193.1	162.1	135.8	115.8	99.3	90.4	82.3	78.7	77.8	78.9
77.5°	221.6	192.5	160.7	134.6	114.7	98.4	89.6	81.2	77.9	76.9	78.3
80°	223.1	192.9	159.3	133.3	113.7	97.6	88.8	80.2	77.2	76.0	77.7
82.5°	225.3	191.6	157.9	132.1	112.6	96.8	88.1	79.3	76.4	75.2	77.0
85°	226.1	190.4	156.6	130.9	111.7	96.1	87.4	78.4	75.7	74.3	76.4
87.5°	226.8	189.1	155.2	129.6	110.7	95.5	86.8	77.6	75.0	73.4	75.7
90°	227.6	187.9	153.8	128.4	109.8	94.9	86.2	76.9	74.4	72.5	75.0
92.5°	226.8	189.1	155.2	129.6	110.7	95.5	86.8	77.6	75.0	73.4	75.7
95°	226.1	190.4	156.6	130.9	111.7	96.1	87.4	78.4	75.7	74.3	76.4
97.5°	225.3	191.6	157.9	132.1	112.6	96.8	88.1	79.3	76.4	75.2	77.0
100°	223.1	192.9	159.3	133.3	113.7	97.6	88.8	80.2	77.2	76.0	77.7
102.5°	221.6	192.5	160.7	134.6	114.7	98.4	89.6	81.2	77.9	76.9	78.3
105°	220.1	193.1	162.1	135.8	115.8	99.3	90.4	82.3	78.7	77.8	78.9
107.5°	218.6	193.5	162.2	137.0	117.0	100.3	91.3	83.4	79.6	78.6	79.6
110°	217.1	193.8	163.2	138.3	118.2	101.4	92.2	84.5	80.4	79.4	80.2



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	214.7	193.6	164.1	139.5	119.4	102.5	93.1	85.5	80.9	79.4	79.3
115°	199.6	180.4	154.3	132.6	115.3	100.6	92.1	85.0	79.8	77.2	76.1
117.5°	184.6	167.3	144.6	125.7	111.1	98.7	91.0	84.5	78.9	75.3	73.2
120°	169.8	154.4	134.9	118.8	106.8	96.6	89.9	84.1	78.2	73.7	70.7
122.5°	155.1	141.6	125.3	111.9	102.4	94.3	88.7	83.6	77.7	72.3	68.4
125°	140.6	129.1	115.8	105.1	98.0	91.9	87.4	83.2	77.4	71.5	66.8
127.5°	126.3	116.8	106.5	98.2	93.4	89.3	86.0	82.8	77.3	71.1	65.5
130°	112.2	104.9	97.2	91.3	88.7	86.4	84.5	82.4	77.3	71.0	64.6
132.5°	98.5	93.2	88.1	84.4	83.8	83.3	82.8	81.6	77.2	71.2	64.3
135°	85.7	82.1	79.2	77.5	78.8	79.8	80.4	79.5	75.6	69.9	62.5
137.5°	79.4	75.7	72.9	71.0	72.0	72.9	73.6	72.7	69.9	65.8	59.1
140°	73.0	69.3	66.5	64.5	65.3	66.0	66.5	65.8	64.0	60.4	55.4
142.5°	66.5	62.8	60.2	58.1	58.6	59.1	59.5	59.0	58.1	54.9	51.2
145°	59.9	56.2	53.7	51.6	52.0	52.2	52.5	52.1	51.3	49.2	46.5
147.5°	53.3	49.6	47.3	45.1	45.3	45.4	45.5	45.3	44.5	43.2	41.1
150°	46.5	43.0	40.9	38.6	38.7	38.6	38.6	38.4	37.7	36.9	35.3
152.5°	39.6	36.5	34.4	32.2	32.1	31.9	31.7	31.5	30.9	30.2	29.1
155°	32.7	29.9	27.8	25.7	25.5	25.2	24.9	24.6	24.1	23.4	22.7
157.5°	25.9	23.4	21.3	19.2	19.0	18.7	18.5	18.3	18.2	18.0	17.8
160°	22.8	20.9	19.0	17.1	16.9	16.6	16.4	16.3	16.2	16.0	15.8
162.5°	20.0	18.3	16.6	14.9	14.8	14.6	14.4	14.3	14.1	14.0	13.8
165°	17.2	15.8	14.3	12.8	12.7	12.5	12.4	12.2	12.1	12.0	11.9
167.5°	14.4	13.2	11.9	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9
170°	11.5	10.6	9.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9
172.5°	8.7	7.9	7.2	6.4	6.4	6.3	6.3	6.2	6.1	6.0	5.9
175°	5.8	5.3	4.8	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0
177.5°	2.9	2.7	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.0	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5
5°	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9
7.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.4
10°	7.8	7.6	7.5	7.3	7.2	7.0	6.8	6.6	6.4	6.1	5.9
12.5°	9.7	9.6	9.4	9.2	9.0	8.8	8.5	8.2	8.0	7.7	7.4
15°	11.7	11.5	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.2	8.8
17.5°	13.6	13.4	13.2	12.9	12.6	12.3	12.0	11.5	11.1	10.6	10.1
20°	15.6	15.4	15.1	14.8	14.5	14.0	13.5	13.0	12.5	12.0	11.5
22.5°	17.6	17.3	17.0	16.6	16.1	15.5	15.0	14.6	14.1	13.6	13.1
25°	21.7	20.7	19.5	18.3	17.7	17.2	16.7	16.2	15.7	15.2	14.6
27.5°	27.8	26.4	24.6	22.8	21.4	20.1	19.0	18.0	17.4	16.6	15.8
30°	33.5	31.2	28.9	26.9	25.2	23.6	22.1	20.8	19.4	18.1	17.0
32.5°	38.5	35.5	32.8	30.4	28.2	26.3	24.5	22.8	21.2	19.7	18.4
35°	42.8	39.2	36.1	33.3	30.8	28.4	26.3	24.3	22.6	21.1	20.0
37.5°	46.6	42.6	38.9	35.7	32.7	30.0	27.6	25.6	23.9	22.6	21.3
40°	50.1	45.5	41.3	37.6	34.3	31.3	28.9	26.8	25.2	23.7	22.2
42.5°	53.3	47.9	43.3	39.2	35.4	32.5	30.0	28.0	26.3	24.6	23.1
45°	56.0	50.1	44.9	40.4	36.6	33.5	31.2	29.1	27.1	25.5	24.0
47.5°	57.9	52.0	46.4	41.4	37.7	34.6	32.1	30.0	28.1	26.4	24.8
50°	58.8	53.6	48.6	43.9	39.7	35.9	33.1	30.8	29.0	27.4	25.8
52.5°	60.5	55.8	51.5	47.7	43.9	40.1	36.4	33.1	30.0	28.4	26.8
55°	62.6	58.7	55.1	52.0	48.3	44.5	40.7	37.2	33.9	30.9	28.0
57.5°	65.2	62.1	59.3	56.6	52.9	48.9	44.9	41.1	37.5	34.1	30.5
60°	68.2	66.0	64.0	61.3	57.5	53.2	49.1	44.8	40.7	36.7	32.7
62.5°	71.7	70.2	69.1	66.1	62.1	57.6	53.0	48.2	43.7	39.0	34.8
65°	75.5	74.9	74.5	71.1	66.7	61.9	56.7	51.4	46.2	41.0	36.5
67.5°	79.6	79.9	79.5	76.1	71.3	66.1	60.2	54.4	48.5	42.9	37.9
70°	81.5	83.1	83.4	80.6	75.9	70.1	63.6	57.3	50.6	44.6	39.2
72.5°	81.1	82.9	83.0	80.6	76.7	71.7	65.7	59.4	52.6	46.2	40.4
75°	80.7	82.7	83.0	81.0	77.4	72.5	66.6	60.3	53.8	47.5	41.6
77.5°	80.3	82.5	83.1	81.6	78.4	73.5	67.8	61.6	55.2	48.8	42.8
80°	79.9	82.3	83.3	82.4	79.5	74.8	69.2	63.1	56.8	50.3	44.0
82.5°	79.5	82.1	83.7	83.4	80.9	76.3	70.8	65.0	58.7	51.9	45.4
85°	79.1	81.8	84.1	84.5	82.4	78.0	72.7	67.1	60.8	53.8	46.9
87.5°	78.6	81.5	84.6	85.6	83.9	79.8	74.7	69.4	63.1	55.9	48.7
90°	78.1	81.2	85.0	86.8	85.6	81.8	76.9	71.9	65.7	58.3	50.8
92.5°	78.6	81.5	84.6	85.6	83.9	79.8	74.7	69.4	63.1	55.9	48.7
95°	79.1	81.8	84.1	84.5	82.4	78.0	72.7	67.1	60.8	53.8	46.9
97.5°	79.5	82.1	83.7	83.4	80.9	76.3	70.8	65.0	58.7	51.9	45.4
100°	79.9	82.3	83.3	82.4	79.5	74.8	69.2	63.1	56.8	50.3	44.0
102.5°	80.3	82.5	83.1	81.6	78.4	73.5	67.8	61.6	55.2	48.8	42.8
105°	80.7	82.7	83.0	81.0	77.4	72.5	66.6	60.3	53.8	47.5	41.6
107.5°	81.1	82.9	83.0	80.6	76.7	71.7	65.7	59.4	52.6	46.2	40.4
110°	81.5	83.1	83.4	80.6	75.9	70.1	63.6	57.3	50.6	44.6	39.2



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	79.6	79.9	79.5	76.1	71.3	66.1	60.2	54.4	48.5	42.9	37.9
115°	75.5	74.9	74.5	71.1	66.7	61.9	56.7	51.4	46.2	41.0	36.5
117.5°	71.7	70.2	69.1	66.1	62.1	57.6	53.0	48.2	43.7	39.0	34.8
120°	68.2	66.0	64.0	61.3	57.5	53.2	49.1	44.8	40.7	36.7	32.7
122.5°	65.2	62.1	59.3	56.6	52.9	48.9	44.9	41.1	37.5	34.1	30.5
125°	62.6	58.7	55.1	52.0	48.3	44.5	40.7	37.2	33.9	30.9	28.0
127.5°	60.5	55.8	51.5	47.7	43.9	40.1	36.4	33.1	30.0	28.4	26.8
130°	58.8	53.6	48.6	43.9	39.7	35.9	33.1	30.8	29.0	27.4	25.8
132.5°	57.9	52.0	46.4	41.4	37.7	34.6	32.1	30.0	28.1	26.4	24.8
135°	56.0	50.1	44.9	40.4	36.6	33.5	31.2	29.1	27.1	25.5	24.0
137.5°	53.3	47.9	43.3	39.2	35.4	32.5	30.0	28.0	26.3	24.6	23.1
140°	50.1	45.5	41.3	37.6	34.3	31.3	28.9	26.8	25.2	23.7	22.2
142.5°	46.6	42.6	38.9	35.7	32.7	30.0	27.6	25.6	23.9	22.6	21.3
145°	42.8	39.2	36.1	33.3	30.8	28.4	26.3	24.3	22.6	21.1	20.0
147.5°	38.5	35.5	32.8	30.4	28.2	26.3	24.5	22.8	21.2	19.7	18.4
150°	33.5	31.2	28.9	26.9	25.2	23.6	22.1	20.8	19.4	18.1	17.0
152.5°	27.8	26.4	24.6	22.8	21.4	20.1	19.0	18.0	17.4	16.6	15.8
155°	21.7	20.7	19.5	18.3	17.7	17.2	16.7	16.2	15.7	15.2	14.6
157.5°	17.6	17.3	17.0	16.6	16.1	15.5	15.0	14.6	14.1	13.6	13.1
160°	15.6	15.4	15.1	14.8	14.5	14.0	13.5	13.0	12.5	12.0	11.5
162.5°	13.6	13.4	13.2	12.9	12.6	12.3	12.0	11.5	11.1	10.6	10.1
165°	11.7	11.5	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.2	8.8
167.5°	9.7	9.6	9.4	9.2	9.0	8.8	8.5	8.2	8.0	7.7	7.4
170°	7.8	7.6	7.5	7.3	7.2	7.0	6.8	6.6	6.4	6.1	5.9
172.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.4
175°	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9
177.5°	2.0	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.4	1.3	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.7	0.6
5°	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.4	1.2
7.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
10°	5.6	5.3	5.1	4.8	4.5	4.2	3.8	3.5	3.2	2.9	2.5
12.5°	7.0	6.7	6.4	6.0	5.6	5.2	4.8	4.3	3.9	3.5	3.1
15°	8.4	7.9	7.5	7.0	6.6	6.1	5.6	5.2	4.7	4.2	3.7
17.5°	9.6	9.2	8.7	8.2	7.7	7.2	6.6	6.1	5.5	4.9	4.3
20°	11.1	10.5	10.0	9.4	8.9	8.3	7.6	6.9	6.3	5.6	4.9
22.5°	12.5	11.9	11.3	10.6	9.9	9.1	8.4	7.6	6.9	6.1	5.4
25°	13.9	13.1	12.3	11.5	10.7	9.9	9.1	8.3	7.5	6.7	5.9
27.5°	15.0	14.1	13.3	12.4	11.6	10.8	10.0	9.2	8.3	7.4	6.5
30°	16.0	15.1	14.4	13.6	12.8	11.8	10.9	9.9	8.9	7.9	6.9
32.5°	17.4	16.5	15.7	14.7	13.6	12.6	11.6	10.5	9.5	8.4	7.3
35°	19.0	17.8	16.6	15.5	14.4	13.3	12.1	10.9	9.7	8.5	7.5
37.5°	19.9	18.7	17.5	16.4	15.0	13.6	12.4	11.2	10.0	8.9	7.8
40°	20.8	19.6	18.2	16.8	15.4	14.1	12.9	11.7	10.5	9.3	8.1
42.5°	21.7	20.2	18.7	17.4	16.0	14.7	13.4	12.2	10.9	9.7	8.5
45°	22.4	20.9	19.5	18.1	16.7	15.3	14.0	12.7	11.4	10.1	8.8
47.5°	23.3	21.8	20.3	18.7	17.2	15.9	14.5	13.1	11.8	10.4	9.1
50°	24.2	22.6	20.8	19.3	17.9	16.3	14.8	13.5	12.1	10.8	9.3
52.5°	25.0	23.1	21.6	20.0	18.2	16.7	15.3	13.8	12.4	11.0	9.6
55°	25.7	24.0	22.2	20.3	18.7	17.2	15.7	14.2	12.7	11.3	9.9
57.5°	27.4	24.9	22.6	20.9	19.3	17.7	16.1	14.5	13.0	11.5	10.1
60°	29.5	26.3	23.6	21.5	19.9	18.2	16.5	14.9	13.3	11.6	10.0
62.5°	31.1	27.6	24.9	22.5	20.4	18.6	16.9	15.1	13.2	11.4	9.6
65°	32.3	28.8	25.8	23.2	20.9	19.0	17.1	15.0	13.0	11.0	9.2
67.5°	33.5	29.8	26.5	23.6	21.1	18.9	16.8	14.9	12.6	10.4	8.6
70°	34.6	30.5	27.0	23.7	21.1	18.6	16.3	14.1	11.8	9.9	8.1
72.5°	35.5	31.2	27.2	23.8	20.9	18.2	15.7	13.1	11.2	9.3	7.5
75°	36.4	31.7	27.4	23.8	20.7	17.9	15.1	12.7	10.7	8.7	6.8
77.5°	37.3	32.3	27.7	23.8	20.6	17.5	14.5	12.5	10.2	8.0	6.2
80°	38.3	33.0	28.1	23.9	20.3	17.0	14.3	12.3	9.8	7.5	5.5
82.5°	39.4	33.7	28.5	24.1	20.1	16.5	13.7	11.4	9.2	6.9	4.8
85°	40.7	34.6	29.1	24.3	20.0	16.1	13.2	10.7	8.5	6.4	4.5
87.5°	42.2	35.8	29.9	24.7	20.1	16.0	12.7	10.2	8.2	6.1	4.6
90°	44.0	37.2	31.0	25.4	20.5	16.1	12.4	9.9	8.1	6.2	5.0
92.5°	42.2	35.8	29.9	24.7	20.1	16.0	12.7	10.2	8.2	6.1	4.6
95°	40.7	34.6	29.1	24.3	20.0	16.1	13.2	10.7	8.5	6.4	4.5
97.5°	39.4	33.7	28.5	24.1	20.1	16.5	13.7	11.4	9.2	6.9	4.8
100°	38.3	33.0	28.1	23.9	20.3	17.0	14.3	12.3	9.8	7.5	5.5
102.5°	37.3	32.3	27.7	23.8	20.6	17.5	14.5	12.5	10.2	8.0	6.2
105°	36.4	31.7	27.4	23.8	20.7	17.9	15.1	12.7	10.7	8.7	6.8
107.5°	35.5	31.2	27.2	23.8	20.9	18.2	15.7	13.1	11.2	9.3	7.5
110°	34.6	30.5	27.0	23.7	21.1	18.6	16.3	14.1	11.8	9.9	8.1



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	33.5	29.8	26.5	23.6	21.1	18.9	16.8	14.9	12.6	10.4	8.6
115°	32.3	28.8	25.8	23.2	20.9	19.0	17.1	15.0	13.0	11.0	9.2
117.5°	31.1	27.6	24.9	22.5	20.4	18.6	16.9	15.1	13.2	11.4	9.6
120°	29.5	26.3	23.6	21.5	19.9	18.2	16.5	14.9	13.3	11.6	10.0
122.5°	27.4	24.9	22.6	20.9	19.3	17.7	16.1	14.5	13.0	11.5	10.1
125°	25.7	24.0	22.2	20.3	18.7	17.2	15.7	14.2	12.7	11.3	9.9
127.5°	25.0	23.1	21.6	20.0	18.2	16.7	15.3	13.8	12.4	11.0	9.6
130°	24.2	22.6	20.8	19.3	17.9	16.3	14.8	13.5	12.1	10.8	9.3
132.5°	23.3	21.8	20.3	18.7	17.2	15.9	14.5	13.1	11.8	10.4	9.1
135°	22.4	20.9	19.5	18.1	16.7	15.3	14.0	12.7	11.4	10.1	8.8
137.5°	21.7	20.2	18.7	17.4	16.0	14.7	13.4	12.2	10.9	9.7	8.5
140°	20.8	19.6	18.2	16.8	15.4	14.1	12.9	11.7	10.5	9.3	8.1
142.5°	19.9	18.7	17.5	16.4	15.0	13.6	12.4	11.2	10.0	8.9	7.8
145°	19.0	17.8	16.6	15.5	14.4	13.3	12.1	10.9	9.7	8.5	7.5
147.5°	17.4	16.5	15.7	14.7	13.6	12.6	11.6	10.5	9.5	8.4	7.3
150°	16.0	15.1	14.4	13.6	12.8	11.8	10.9	9.9	8.9	7.9	6.9
152.5°	15.0	14.1	13.3	12.4	11.6	10.8	10.0	9.2	8.3	7.4	6.5
155°	13.9	13.1	12.3	11.5	10.7	9.9	9.1	8.3	7.5	6.7	5.9
157.5°	12.5	11.9	11.3	10.6	9.9	9.1	8.4	7.6	6.9	6.1	5.4
160°	11.1	10.5	10.0	9.4	8.9	8.3	7.6	6.9	6.3	5.6	4.9
162.5°	9.6	9.2	8.7	8.2	7.7	7.2	6.6	6.1	5.5	4.9	4.3
165°	8.4	7.9	7.5	7.0	6.6	6.1	5.6	5.2	4.7	4.2	3.7
167.5°	7.0	6.7	6.4	6.0	5.6	5.2	4.8	4.3	3.9	3.5	3.1
170°	5.6	5.3	5.1	4.8	4.5	4.2	3.8	3.5	3.2	2.9	2.5
172.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
175°	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.4	1.2
177.5°	1.4	1.3	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.7	0.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
5°	1.1	0.9	0.7	0.5	0.4	0.2	0.0	0.2	0.4	0.5	0.7
7.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
10°	2.2	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
12.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
15°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
17.5°	3.7	3.1	2.5	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.5
20°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
22.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.1
25°	5.1	4.3	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
27.5°	5.6	4.6	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
30°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
32.5°	6.2	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
35°	6.4	5.3	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
37.5°	6.7	5.6	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
40°	7.0	5.8	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
42.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
45°	7.5	6.3	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
47.5°	7.8	6.4	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
50°	8.0	6.6	5.3	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.3
52.5°	8.2	6.8	5.4	4.1	2.7	1.3	0.0	1.3	2.7	4.1	5.4
55°	8.4	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
57.5°	8.7	7.1	5.5	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.5
60°	8.3	6.7	5.3	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.3
62.5°	8.1	6.8	5.2	3.8	2.4	1.2	0.0	1.2	2.4	3.8	5.2
65°	7.6	6.2	4.8	3.4	2.1	1.0	0.0	1.0	2.1	3.4	4.8
67.5°	7.0	5.5	4.2	3.2	2.2	1.4	0.6	1.4	2.2	3.2	4.2
70°	6.4	5.0	4.0	3.1	2.2	1.4	0.6	1.4	2.2	3.1	4.0
72.5°	5.8	4.6	3.7	2.9	2.0	1.3	0.6	1.3	2.0	2.9	3.7
75°	5.4	4.1	3.0	2.4	1.8	1.2	0.6	1.2	1.8	2.4	3.0
77.5°	4.7	3.2	2.3	1.6	0.7	0.1	0.0	0.1	0.7	1.6	2.3
80°	3.7	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
82.5°	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.2	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°	2.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.7	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
102.5°	4.7	3.2	2.3	1.6	0.7	0.1	0.0	0.1	0.7	1.6	2.3
105°	5.4	4.1	3.0	2.4	1.8	1.2	0.6	1.2	1.8	2.4	3.0
107.5°	5.8	4.6	3.7	2.9	2.0	1.3	0.6	1.3	2.0	2.9	3.7
110°	6.4	5.0	4.0	3.1	2.2	1.4	0.6	1.4	2.2	3.1	4.0



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	7.0	5.5	4.2	3.2	2.2	1.4	0.6	1.4	2.2	3.2	4.2
115°	7.6	6.2	4.8	3.4	2.1	1.0	0.0	1.0	2.1	3.4	4.8
117.5°	8.1	6.8	5.2	3.8	2.4	1.2	0.0	1.2	2.4	3.8	5.2
120°	8.3	6.7	5.3	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.3
122.5°	8.7	7.1	5.5	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.5
125°	8.4	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
127.5°	8.2	6.8	5.4	4.1	2.7	1.3	0.0	1.3	2.7	4.1	5.4
130°	8.0	6.6	5.3	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.3
132.5°	7.8	6.4	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
135°	7.5	6.3	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
137.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
140°	7.0	5.8	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
142.5°	6.7	5.6	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
145°	6.4	5.3	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
147.5°	6.2	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
150°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
152.5°	5.6	4.6	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
155°	5.1	4.3	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
157.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.1
160°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
162.5°	3.7	3.1	2.5	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.5
165°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
167.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
170°	2.2	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
172.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
175°	1.1	0.9	0.7	0.5	0.4	0.2	0.0	0.2	0.4	0.5	0.7
177.5°	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	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: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.3
5°	0.9	1.1	1.2	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.5
7.5°	1.3	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.3	3.6	3.8
10°	1.8	2.2	2.5	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.1
12.5°	2.2	2.6	3.1	3.5	3.9	4.3	4.8	5.2	5.6	6.0	6.4
15°	2.7	3.2	3.7	4.2	4.7	5.2	5.6	6.1	6.6	7.0	7.5
17.5°	3.1	3.7	4.3	4.9	5.5	6.1	6.6	7.2	7.7	8.2	8.7
20°	3.5	4.2	4.9	5.6	6.3	6.9	7.6	8.3	8.9	9.4	10.0
22.5°	3.8	4.6	5.4	6.1	6.9	7.6	8.4	9.1	9.9	10.6	11.3
25°	4.3	5.1	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.5	12.3
27.5°	4.6	5.6	6.5	7.4	8.3	9.2	10.0	10.8	11.6	12.4	13.3
30°	5.0	6.0	6.9	7.9	8.9	9.9	10.9	11.8	12.8	13.6	14.4
32.5°	5.1	6.2	7.3	8.4	9.5	10.5	11.6	12.6	13.6	14.7	15.7
35°	5.3	6.4	7.5	8.5	9.7	10.9	12.1	13.3	14.4	15.5	16.6
37.5°	5.6	6.7	7.8	8.9	10.0	11.2	12.4	13.6	15.0	16.4	17.5
40°	5.8	7.0	8.1	9.3	10.5	11.7	12.9	14.1	15.4	16.8	18.2
42.5°	6.0	7.2	8.5	9.7	10.9	12.2	13.4	14.7	16.0	17.4	18.7
45°	6.3	7.5	8.8	10.1	11.4	12.7	14.0	15.3	16.7	18.1	19.5
47.5°	6.4	7.8	9.1	10.4	11.8	13.1	14.5	15.9	17.2	18.7	20.3
50°	6.6	8.0	9.3	10.8	12.1	13.5	14.8	16.3	17.9	19.3	20.8
52.5°	6.8	8.2	9.6	11.0	12.4	13.8	15.3	16.7	18.2	20.0	21.6
55°	7.0	8.4	9.9	11.3	12.7	14.2	15.7	17.2	18.7	20.3	22.2
57.5°	7.1	8.7	10.1	11.5	13.0	14.5	16.1	17.7	19.3	20.9	22.6
60°	6.7	8.3	10.0	11.6	13.3	14.9	16.5	18.2	19.9	21.5	23.6
62.5°	6.8	8.1	9.6	11.4	13.2	15.1	16.9	18.6	20.4	22.5	24.9
65°	6.2	7.6	9.2	11.0	13.0	15.0	17.1	19.0	20.9	23.2	25.8
67.5°	5.5	7.0	8.6	10.4	12.6	14.9	16.8	18.9	21.1	23.6	26.5
70°	5.0	6.4	8.1	9.9	11.8	14.1	16.3	18.6	21.1	23.7	27.0
72.5°	4.6	5.8	7.5	9.3	11.2	13.1	15.7	18.2	20.9	23.8	27.2
75°	4.1	5.4	6.8	8.7	10.7	12.7	15.1	17.9	20.7	23.8	27.4
77.5°	3.2	4.7	6.2	8.0	10.2	12.5	14.5	17.5	20.6	23.8	27.7
80°	2.4	3.7	5.5	7.5	9.8	12.3	14.3	17.0	20.3	23.9	28.1
82.5°	1.6	3.1	4.8	6.9	9.2	11.4	13.7	16.5	20.1	24.1	28.5
85°	0.7	2.7	4.5	6.4	8.5	10.7	13.2	16.1	20.0	24.3	29.1
87.5°	0.2	2.7	4.6	6.1	8.2	10.2	12.7	16.0	20.1	24.7	29.9
90°	0.0	3.1	5.0	6.2	8.1	9.9	12.4	16.1	20.5	25.4	31.0
92.5°	0.2	2.7	4.6	6.1	8.2	10.2	12.7	16.0	20.1	24.7	29.9
95°	0.7	2.7	4.5	6.4	8.5	10.7	13.2	16.1	20.0	24.3	29.1
97.5°	1.6	3.1	4.8	6.9	9.2	11.4	13.7	16.5	20.1	24.1	28.5
100°	2.4	3.7	5.5	7.5	9.8	12.3	14.3	17.0	20.3	23.9	28.1
102.5°	3.2	4.7	6.2	8.0	10.2	12.5	14.5	17.5	20.6	23.8	27.7
105°	4.1	5.4	6.8	8.7	10.7	12.7	15.1	17.9	20.7	23.8	27.4
107.5°	4.6	5.8	7.5	9.3	11.2	13.1	15.7	18.2	20.9	23.8	27.2
110°	5.0	6.4	8.1	9.9	11.8	14.1	16.3	18.6	21.1	23.7	27.0



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	5.5	7.0	8.6	10.4	12.6	14.9	16.8	18.9	21.1	23.6	26.5
115°	6.2	7.6	9.2	11.0	13.0	15.0	17.1	19.0	20.9	23.2	25.8
117.5°	6.8	8.1	9.6	11.4	13.2	15.1	16.9	18.6	20.4	22.5	24.9
120°	6.7	8.3	10.0	11.6	13.3	14.9	16.5	18.2	19.9	21.5	23.6
122.5°	7.1	8.7	10.1	11.5	13.0	14.5	16.1	17.7	19.3	20.9	22.6
125°	7.0	8.4	9.9	11.3	12.7	14.2	15.7	17.2	18.7	20.3	22.2
127.5°	6.8	8.2	9.6	11.0	12.4	13.8	15.3	16.7	18.2	20.0	21.6
130°	6.6	8.0	9.3	10.8	12.1	13.5	14.8	16.3	17.9	19.3	20.8
132.5°	6.4	7.8	9.1	10.4	11.8	13.1	14.5	15.9	17.2	18.7	20.3
135°	6.3	7.5	8.8	10.1	11.4	12.7	14.0	15.3	16.7	18.1	19.5
137.5°	6.0	7.2	8.5	9.7	10.9	12.2	13.4	14.7	16.0	17.4	18.7
140°	5.8	7.0	8.1	9.3	10.5	11.7	12.9	14.1	15.4	16.8	18.2
142.5°	5.6	6.7	7.8	8.9	10.0	11.2	12.4	13.6	15.0	16.4	17.5
145°	5.3	6.4	7.5	8.5	9.7	10.9	12.1	13.3	14.4	15.5	16.6
147.5°	5.1	6.2	7.3	8.4	9.5	10.5	11.6	12.6	13.6	14.7	15.7
150°	5.0	6.0	6.9	7.9	8.9	9.9	10.9	11.8	12.8	13.6	14.4
152.5°	4.6	5.6	6.5	7.4	8.3	9.2	10.0	10.8	11.6	12.4	13.3
155°	4.3	5.1	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.5	12.3
157.5°	3.8	4.6	5.4	6.1	6.9	7.6	8.4	9.1	9.9	10.6	11.3
160°	3.5	4.2	4.9	5.6	6.3	6.9	7.6	8.3	8.9	9.4	10.0
162.5°	3.1	3.7	4.3	4.9	5.5	6.1	6.6	7.2	7.7	8.2	8.7
165°	2.7	3.2	3.7	4.2	4.7	5.2	5.6	6.1	6.6	7.0	7.5
167.5°	2.2	2.6	3.1	3.5	3.9	4.3	4.8	5.2	5.6	6.0	6.4
170°	1.8	2.2	2.5	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.1
172.5°	1.3	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.3	3.6	3.8
175°	0.9	1.1	1.2	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.5
177.5°	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.0	1.1	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: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.3	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9
5°	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8
7.5°	4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.2	5.4	5.5	5.6
10°	5.3	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.3	7.5
12.5°	6.7	7.0	7.4	7.7	8.0	8.2	8.5	8.8	9.0	9.2	9.4
15°	7.9	8.4	8.8	9.2	9.6	9.9	10.2	10.5	10.8	11.1	11.3
17.5°	9.2	9.6	10.1	10.6	11.1	11.5	12.0	12.3	12.6	12.9	13.2
20°	10.5	11.1	11.5	12.0	12.5	13.0	13.5	14.0	14.5	14.8	15.1
22.5°	11.9	12.5	13.1	13.6	14.1	14.6	15.0	15.5	16.1	16.6	17.0
25°	13.1	13.9	14.6	15.2	15.7	16.2	16.7	17.2	17.7	18.3	19.5
27.5°	14.1	15.0	15.8	16.6	17.4	18.0	19.0	20.1	21.4	22.8	24.6
30°	15.1	16.0	17.0	18.1	19.4	20.8	22.1	23.6	25.2	26.9	28.9
32.5°	16.5	17.4	18.4	19.7	21.2	22.8	24.5	26.3	28.2	30.4	32.8
35°	17.8	19.0	20.0	21.1	22.6	24.3	26.3	28.4	30.8	33.3	36.1
37.5°	18.7	19.9	21.3	22.6	23.9	25.6	27.6	30.0	32.7	35.7	38.9
40°	19.6	20.8	22.2	23.7	25.2	26.8	28.9	31.3	34.3	37.6	41.3
42.5°	20.2	21.7	23.1	24.6	26.3	28.0	30.0	32.5	35.4	39.2	43.3
45°	20.9	22.4	24.0	25.5	27.1	29.1	31.2	33.5	36.6	40.4	44.9
47.5°	21.8	23.3	24.8	26.4	28.1	30.0	32.1	34.6	37.7	41.4	46.4
50°	22.6	24.2	25.8	27.4	29.0	30.8	33.1	35.9	39.7	43.9	48.6
52.5°	23.1	25.0	26.8	28.4	30.0	33.1	36.4	40.1	43.9	47.7	51.5
55°	24.0	25.7	28.0	30.9	33.9	37.2	40.7	44.5	48.3	52.0	55.1
57.5°	24.9	27.4	30.5	34.1	37.5	41.1	44.9	48.9	52.9	56.6	59.3
60°	26.3	29.5	32.7	36.7	40.7	44.8	49.1	53.2	57.5	61.3	64.0
62.5°	27.6	31.1	34.8	39.0	43.7	48.2	53.0	57.6	62.1	66.1	69.1
65°	28.8	32.3	36.5	41.0	46.2	51.4	56.7	61.9	66.7	71.1	74.5
67.5°	29.8	33.5	37.9	42.9	48.5	54.4	60.2	66.1	71.3	76.1	79.5
70°	30.5	34.6	39.2	44.6	50.6	57.3	63.6	70.1	75.9	80.6	83.4
72.5°	31.2	35.5	40.4	46.2	52.6	59.4	65.7	71.7	76.7	80.6	83.0
75°	31.7	36.4	41.6	47.5	53.8	60.3	66.6	72.5	77.4	81.0	83.0
77.5°	32.3	37.3	42.8	48.8	55.2	61.6	67.8	73.5	78.4	81.6	83.1
80°	33.0	38.3	44.0	50.3	56.8	63.1	69.2	74.8	79.5	82.4	83.3
82.5°	33.7	39.4	45.4	51.9	58.7	65.0	70.8	76.3	80.9	83.4	83.7
85°	34.6	40.7	46.9	53.8	60.8	67.1	72.7	78.0	82.4	84.5	84.1
87.5°	35.8	42.2	48.7	55.9	63.1	69.4	74.7	79.8	83.9	85.6	84.6
90°	37.2	44.0	50.8	58.3	65.7	71.9	76.9	81.8	85.6	86.8	85.0
92.5°	35.8	42.2	48.7	55.9	63.1	69.4	74.7	79.8	83.9	85.6	84.6
95°	34.6	40.7	46.9	53.8	60.8	67.1	72.7	78.0	82.4	84.5	84.1
97.5°	33.7	39.4	45.4	51.9	58.7	65.0	70.8	76.3	80.9	83.4	83.7
100°	33.0	38.3	44.0	50.3	56.8	63.1	69.2	74.8	79.5	82.4	83.3
102.5°	32.3	37.3	42.8	48.8	55.2	61.6	67.8	73.5	78.4	81.6	83.1
105°	31.7	36.4	41.6	47.5	53.8	60.3	66.6	72.5	77.4	81.0	83.0
107.5°	31.2	35.5	40.4	46.2	52.6	59.4	65.7	71.7	76.7	80.6	83.0
110°	30.5	34.6	39.2	44.6	50.6	57.3	63.6	70.1	75.9	80.6	83.4



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	29.8	33.5	37.9	42.9	48.5	54.4	60.2	66.1	71.3	76.1	79.5
115°	28.8	32.3	36.5	41.0	46.2	51.4	56.7	61.9	66.7	71.1	74.5
117.5°	27.6	31.1	34.8	39.0	43.7	48.2	53.0	57.6	62.1	66.1	69.1
120°	26.3	29.5	32.7	36.7	40.7	44.8	49.1	53.2	57.5	61.3	64.0
122.5°	24.9	27.4	30.5	34.1	37.5	41.1	44.9	48.9	52.9	56.6	59.3
125°	24.0	25.7	28.0	30.9	33.9	37.2	40.7	44.5	48.3	52.0	55.1
127.5°	23.1	25.0	26.8	28.4	30.0	33.1	36.4	40.1	43.9	47.7	51.5
130°	22.6	24.2	25.8	27.4	29.0	30.8	33.1	35.9	39.7	43.9	48.6
132.5°	21.8	23.3	24.8	26.4	28.1	30.0	32.1	34.6	37.7	41.4	46.4
135°	20.9	22.4	24.0	25.5	27.1	29.1	31.2	33.5	36.6	40.4	44.9
137.5°	20.2	21.7	23.1	24.6	26.3	28.0	30.0	32.5	35.4	39.2	43.3
140°	19.6	20.8	22.2	23.7	25.2	26.8	28.9	31.3	34.3	37.6	41.3
142.5°	18.7	19.9	21.3	22.6	23.9	25.6	27.6	30.0	32.7	35.7	38.9
145°	17.8	19.0	20.0	21.1	22.6	24.3	26.3	28.4	30.8	33.3	36.1
147.5°	16.5	17.4	18.4	19.7	21.2	22.8	24.5	26.3	28.2	30.4	32.8
150°	15.1	16.0	17.0	18.1	19.4	20.8	22.1	23.6	25.2	26.9	28.9
152.5°	14.1	15.0	15.8	16.6	17.4	18.0	19.0	20.1	21.4	22.8	24.6
155°	13.1	13.9	14.6	15.2	15.7	16.2	16.7	17.2	17.7	18.3	19.5
157.5°	11.9	12.5	13.1	13.6	14.1	14.6	15.0	15.5	16.1	16.6	17.0
160°	10.5	11.1	11.5	12.0	12.5	13.0	13.5	14.0	14.5	14.8	15.1
162.5°	9.2	9.6	10.1	10.6	11.1	11.5	12.0	12.3	12.6	12.9	13.2
165°	7.9	8.4	8.8	9.2	9.6	9.9	10.2	10.5	10.8	11.1	11.3
167.5°	6.7	7.0	7.4	7.7	8.0	8.2	8.5	8.8	9.0	9.2	9.4
170°	5.3	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.3	7.5
172.5°	4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.2	5.4	5.5	5.6
175°	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8
177.5°	1.3	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9
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: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.4
5°	3.8	3.9	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.8
7.5°	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.4	7.2
10°	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5	9.6
12.5°	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6	10.7	11.9
15°	11.5	11.7	11.9	12.0	12.1	12.2	12.4	12.5	12.7	12.8	14.3
17.5°	13.4	13.6	13.8	14.0	14.1	14.3	14.4	14.6	14.8	14.9	16.6
20°	15.4	15.6	15.8	16.0	16.2	16.3	16.4	16.6	16.9	17.1	19.0
22.5°	17.3	17.6	17.8	18.0	18.2	18.3	18.5	18.7	19.0	19.2	21.3
25°	20.7	21.7	22.7	23.4	24.1	24.6	24.9	25.2	25.5	25.7	27.8
27.5°	26.4	27.8	29.1	30.2	30.9	31.5	31.7	31.9	32.1	32.2	34.4
30°	31.2	33.5	35.3	36.9	37.7	38.4	38.6	38.6	38.7	38.6	40.9
32.5°	35.5	38.5	41.1	43.2	44.5	45.3	45.5	45.4	45.3	45.1	47.3
35°	39.2	42.8	46.5	49.2	51.3	52.1	52.5	52.2	52.0	51.6	53.7
37.5°	42.6	46.6	51.2	54.9	58.1	59.0	59.5	59.1	58.6	58.1	60.2
40°	45.5	50.1	55.4	60.4	64.0	65.8	66.5	66.0	65.3	64.5	66.5
42.5°	47.9	53.3	59.1	65.8	69.9	72.7	73.6	72.9	72.0	71.0	72.9
45°	50.1	56.0	62.5	69.9	75.6	79.5	80.4	79.8	78.8	77.5	79.2
47.5°	52.0	57.9	64.3	71.2	77.2	81.6	82.8	83.3	83.8	84.4	88.1
50°	53.6	58.8	64.6	71.0	77.3	82.4	84.5	86.4	88.7	91.3	97.2
52.5°	55.8	60.5	65.5	71.1	77.3	82.8	86.0	89.3	93.4	98.2	106.5
55°	58.7	62.6	66.8	71.5	77.4	83.2	87.4	91.9	98.0	105.1	115.8
57.5°	62.1	65.2	68.4	72.3	77.7	83.6	88.7	94.3	102.4	111.9	125.3
60°	66.0	68.2	70.7	73.7	78.2	84.1	89.9	96.6	106.8	118.8	134.9
62.5°	70.2	71.7	73.2	75.3	78.9	84.5	91.0	98.7	111.1	125.7	144.6
65°	74.9	75.5	76.1	77.2	79.8	85.0	92.1	100.6	115.3	132.6	154.3
67.5°	79.9	79.6	79.3	79.4	80.9	85.5	93.1	102.5	119.4	139.5	164.1
70°	83.1	81.5	80.2	79.4	80.4	84.5	92.2	101.4	118.2	138.3	163.2
72.5°	82.9	81.1	79.6	78.6	79.6	83.4	91.3	100.3	117.0	137.0	162.2
75°	82.7	80.7	78.9	77.8	78.7	82.3	90.4	99.3	115.8	135.8	162.1
77.5°	82.5	80.3	78.3	76.9	77.9	81.2	89.6	98.4	114.7	134.6	160.7
80°	82.3	79.9	77.7	76.0	77.2	80.2	88.8	97.6	113.7	133.3	159.3
82.5°	82.1	79.5	77.0	75.2	76.4	79.3	88.1	96.8	112.6	132.1	157.9
85°	81.8	79.1	76.4	74.3	75.7	78.4	87.4	96.1	111.7	130.9	156.6
87.5°	81.5	78.6	75.7	73.4	75.0	77.6	86.8	95.5	110.7	129.6	155.2
90°	81.2	78.1	75.0	72.5	74.4	76.9	86.2	94.9	109.8	128.4	153.8
92.5°	81.5	78.6	75.7	73.4	75.0	77.6	86.8	95.5	110.7	129.6	155.2
95°	81.8	79.1	76.4	74.3	75.7	78.4	87.4	96.1	111.7	130.9	156.6
97.5°	82.1	79.5	77.0	75.2	76.4	79.3	88.1	96.8	112.6	132.1	157.9
100°	82.3	79.9	77.7	76.0	77.2	80.2	88.8	97.6	113.7	133.3	159.3
102.5°	82.5	80.3	78.3	76.9	77.9	81.2	89.6	98.4	114.7	134.6	160.7
105°	82.7	80.7	78.9	77.8	78.7	82.3	90.4	99.3	115.8	135.8	162.1
107.5°	82.9	81.1	79.6	78.6	79.6	83.4	91.3	100.3	117.0	137.0	162.2
110°	83.1	81.5	80.2	79.4	80.4	84.5	92.2	101.4	118.2	138.3	163.2



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	79.9	79.6	79.3	79.4	80.9	85.5	93.1	102.5	119.4	139.5	164.1
115°	74.9	75.5	76.1	77.2	79.8	85.0	92.1	100.6	115.3	132.6	154.3
117.5°	70.2	71.7	73.2	75.3	78.9	84.5	91.0	98.7	111.1	125.7	144.6
120°	66.0	68.2	70.7	73.7	78.2	84.1	89.9	96.6	106.8	118.8	134.9
122.5°	62.1	65.2	68.4	72.3	77.7	83.6	88.7	94.3	102.4	111.9	125.3
125°	58.7	62.6	66.8	71.5	77.4	83.2	87.4	91.9	98.0	105.1	115.8
127.5°	55.8	60.5	65.5	71.1	77.3	82.8	86.0	89.3	93.4	98.2	106.5
130°	53.6	58.8	64.6	71.0	77.3	82.4	84.5	86.4	88.7	91.3	97.2
132.5°	52.0	57.9	64.3	71.2	77.2	81.6	82.8	83.3	83.8	84.4	88.1
135°	50.1	56.0	62.5	69.9	75.6	79.5	80.4	79.8	78.8	77.5	79.2
137.5°	47.9	53.3	59.1	65.8	69.9	72.7	73.6	72.9	72.0	71.0	72.9
140°	45.5	50.1	55.4	60.4	64.0	65.8	66.5	66.0	65.3	64.5	66.5
142.5°	42.6	46.6	51.2	54.9	58.1	59.0	59.5	59.1	58.6	58.1	60.2
145°	39.2	42.8	46.5	49.2	51.3	52.1	52.5	52.2	52.0	51.6	53.7
147.5°	35.5	38.5	41.1	43.2	44.5	45.3	45.5	45.4	45.3	45.1	47.3
150°	31.2	33.5	35.3	36.9	37.7	38.4	38.6	38.6	38.7	38.6	40.9
152.5°	26.4	27.8	29.1	30.2	30.9	31.5	31.7	31.9	32.1	32.2	34.4
155°	20.7	21.7	22.7	23.4	24.1	24.6	24.9	25.2	25.5	25.7	27.8
157.5°	17.3	17.6	17.8	18.0	18.2	18.3	18.5	18.7	19.0	19.2	21.3
160°	15.4	15.6	15.8	16.0	16.2	16.3	16.4	16.6	16.9	17.1	19.0
162.5°	13.4	13.6	13.8	14.0	14.1	14.3	14.4	14.6	14.8	14.9	16.6
165°	11.5	11.7	11.9	12.0	12.1	12.2	12.4	12.5	12.7	12.8	14.3
167.5°	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6	10.7	11.9
170°	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5	9.6
172.5°	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.4	7.2
175°	3.8	3.9	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.8
177.5°	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.7	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.7	4.9
5°	5.3	5.8	6.3	6.8	7.3	7.7	8.2	8.6	9.0	9.4	9.8
7.5°	7.9	8.7	9.4	10.1	10.8	11.5	12.2	13.3	14.2	15.2	16.1
10°	10.6	11.5	12.5	13.5	14.5	15.9	17.3	18.6	19.9	21.2	22.4
12.5°	13.2	14.4	15.6	17.0	18.7	20.5	22.2	23.9	25.5	27.1	28.7
15°	15.8	17.2	18.7	20.9	23.0	25.1	27.1	29.1	31.0	32.9	35.0
17.5°	18.3	20.0	22.2	24.7	27.2	29.5	31.8	34.1	36.3	38.4	40.5
20°	20.9	22.8	25.7	28.5	31.3	33.8	36.4	38.9	41.3	43.7	46.1
22.5°	23.4	25.9	29.1	32.2	35.2	38.0	40.7	43.5	46.1	48.7	51.0
25°	29.9	32.7	35.9	38.9	41.5	44.1	46.6	49.0	51.2	53.0	55.4
27.5°	36.5	39.6	43.0	46.0	48.8	51.6	54.1	56.5	58.4	60.3	62.0
30°	43.0	46.5	50.0	53.0	56.2	58.7	61.4	63.5	65.4	67.2	69.0
32.5°	49.6	53.3	56.7	59.9	62.9	65.7	68.1	70.1	72.1	73.9	76.1
35°	56.2	59.9	63.4	66.7	69.6	72.5	74.5	76.5	78.4	80.4	83.0
37.5°	62.8	66.5	70.0	73.3	76.1	78.6	80.7	82.6	84.6	86.8	89.6
40°	69.3	73.0	76.5	79.7	82.4	84.7	86.7	88.5	90.4	92.7	97.0
42.5°	75.7	79.4	82.9	85.9	88.5	90.6	92.4	94.0	96.0	99.1	103.7
45°	82.1	85.7	89.2	92.0	94.3	96.3	97.8	99.4	101.1	105.3	110.5
47.5°	93.2	98.5	102.7	104.3	105.2	105.6	105.6	105.3	106.7	111.1	117.0
50°	104.9	112.2	117.7	119.0	119.4	119.6	119.6	119.2	120.3	122.8	126.5
52.5°	116.8	126.3	132.5	133.6	133.4	133.5	133.6	133.2	134.7	137.9	141.9
55°	129.1	140.6	147.1	147.9	147.1	147.5	147.4	147.5	149.1	152.5	156.4
57.5°	141.6	155.1	161.7	162.0	160.7	161.5	161.1	161.6	163.6	166.8	170.1
60°	154.4	169.8	176.2	175.9	174.6	175.5	174.8	175.4	177.7	180.3	182.8
62.5°	167.3	184.6	190.7	189.6	188.4	189.2	188.6	189.0	191.5	193.0	194.7
65°	180.4	199.6	205.1	203.3	202.3	202.9	202.3	202.7	204.9	205.1	205.8
67.5°	193.6	214.7	219.4	216.8	216.2	216.6	215.9	216.2	217.5	216.7	216.2
70°	193.8	217.1	224.5	224.4	225.0	225.5	225.5	226.6	227.8	227.1	225.9
72.5°	193.5	218.6	228.8	230.9	231.6	231.6	231.2	231.7	231.3	229.9	229.0
75°	193.1	220.1	233.4	237.8	238.1	237.6	236.8	236.4	234.7	232.4	231.5
77.5°	192.5	221.6	238.2	244.8	244.5	243.6	242.2	240.8	237.9	234.7	234.0
80°	192.9	223.1	243.3	252.1	250.7	249.6	247.6	245.0	240.9	236.9	236.5
82.5°	191.6	225.3	249.3	259.5	256.9	255.6	253.0	249.1	243.9	239.0	239.1
85°	190.4	226.1	254.0	267.1	262.9	261.5	258.2	252.9	246.9	241.1	241.6
87.5°	189.1	226.8	258.8	274.3	269.1	267.5	263.7	257.0	249.8	243.2	244.2
90°	187.9	227.6	263.5	281.5	275.3	273.5	269.1	261.1	253.0	245.5	246.8
92.5°	189.1	226.8	258.8	274.3	269.1	267.5	263.7	257.0	249.8	243.2	244.2
95°	190.4	226.1	254.0	267.1	262.9	261.5	258.2	252.9	246.9	241.1	241.6
97.5°	191.6	225.3	249.3	259.5	256.9	255.6	253.0	249.1	243.9	239.0	239.1
100°	192.9	223.1	243.3	252.1	250.7	249.6	247.6	245.0	240.9	236.9	236.5
102.5°	192.5	221.6	238.2	244.8	244.5	243.6	242.2	240.8	237.9	234.7	234.0
105°	193.1	220.1	233.4	237.8	238.1	237.6	236.8	236.4	234.7	232.4	231.5
107.5°	193.5	218.6	228.8	230.9	231.6	231.6	231.2	231.7	231.3	229.9	229.0
110°	193.8	217.1	224.5	224.4	225.0	225.5	225.5	226.6	227.8	227.1	225.9



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	193.6	214.7	219.4	216.8	216.2	216.6	215.9	216.2	217.5	216.7	216.2
115°	180.4	199.6	205.1	203.3	202.3	202.9	202.3	202.7	204.9	205.1	205.8
117.5°	167.3	184.6	190.7	189.6	188.4	189.2	188.6	189.0	191.5	193.0	194.7
120°	154.4	169.8	176.2	175.9	174.6	175.5	174.8	175.4	177.7	180.3	182.8
122.5°	141.6	155.1	161.7	162.0	160.7	161.5	161.1	161.6	163.6	166.8	170.1
125°	129.1	140.6	147.1	147.9	147.1	147.5	147.4	147.5	149.1	152.5	156.4
127.5°	116.8	126.3	132.5	133.6	133.4	133.5	133.6	133.2	134.7	137.9	141.9
130°	104.9	112.2	117.7	119.0	119.4	119.6	119.6	119.2	120.3	122.8	126.5
132.5°	93.2	98.5	102.7	104.3	105.2	105.6	105.6	105.3	106.7	111.1	117.0
135°	82.1	85.7	89.2	92.0	94.3	96.3	97.8	99.4	101.1	105.3	110.5
137.5°	75.7	79.4	82.9	85.9	88.5	90.6	92.4	94.0	96.0	99.1	103.7
140°	69.3	73.0	76.5	79.7	82.4	84.7	86.7	88.5	90.4	92.7	97.0
142.5°	62.8	66.5	70.0	73.3	76.1	78.6	80.7	82.6	84.6	86.8	89.6
145°	56.2	59.9	63.4	66.7	69.6	72.5	74.5	76.5	78.4	80.4	83.0
147.5°	49.6	53.3	56.7	59.9	62.9	65.7	68.1	70.1	72.1	73.9	76.1
150°	43.0	46.5	50.0	53.0	56.2	58.7	61.4	63.5	65.4	67.2	69.0
152.5°	36.5	39.6	43.0	46.0	48.8	51.6	54.1	56.5	58.4	60.3	62.0
155°	29.9	32.7	35.9	38.9	41.5	44.1	46.6	49.0	51.2	53.0	55.4
157.5°	23.4	25.9	29.1	32.2	35.2	38.0	40.7	43.5	46.1	48.7	51.0
160°	20.9	22.8	25.7	28.5	31.3	33.8	36.4	38.9	41.3	43.7	46.1
162.5°	18.3	20.0	22.2	24.7	27.2	29.5	31.8	34.1	36.3	38.4	40.5
165°	15.8	17.2	18.7	20.9	23.0	25.1	27.1	29.1	31.0	32.9	35.0
167.5°	13.2	14.4	15.6	17.0	18.7	20.5	22.2	23.9	25.5	27.1	28.7
170°	10.6	11.5	12.5	13.5	14.5	15.9	17.3	18.6	19.9	21.2	22.4
172.5°	7.9	8.7	9.4	10.1	10.8	11.5	12.2	13.3	14.2	15.2	16.1
175°	5.3	5.8	6.3	6.8	7.3	7.7	8.2	8.6	9.0	9.4	9.8
177.5°	2.7	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.7	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: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.1	5.3	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.3
5°	10.4	10.9	11.5	12.0	12.5	12.9	13.4	13.8	14.1	14.5	14.8
7.5°	17.0	17.8	18.7	19.4	20.2	20.9	21.6	22.3	22.9	23.5	24.0
10°	23.6	24.8	26.0	27.1	28.1	29.2	30.1	31.0	31.8	32.6	33.2
12.5°	30.2	31.7	33.1	34.5	35.7	37.0	38.1	39.2	40.2	41.2	42.1
15°	36.5	38.2	39.9	41.5	43.0	44.5	45.9	47.2	48.5	49.7	51.0
17.5°	42.5	44.8	46.3	48.1	49.8	51.5	53.3	55.2	57.0	58.8	60.5
20°	48.2	50.2	52.2	54.3	56.4	58.6	60.8	62.9	64.7	66.5	68.1
22.5°	53.2	55.4	57.8	60.2	62.6	65.0	67.4	69.6	71.8	73.7	75.4
25°	57.8	60.2	63.0	65.7	68.6	71.4	74.6	77.5	79.9	82.1	84.0
27.5°	63.6	65.5	68.1	71.5	75.7	79.9	84.0	86.9	89.7	92.1	94.2
30°	71.2	73.8	76.7	81.1	85.5	89.8	93.9	97.6	101.1	104.0	106.7
32.5°	78.7	82.1	86.7	91.3	96.0	100.6	105.5	110.2	114.0	117.1	119.8
35°	86.3	91.0	96.0	101.1	106.3	111.9	117.3	122.1	126.5	130.7	134.6
37.5°	94.4	99.5	104.9	110.7	116.8	122.7	128.2	133.6	139.2	145.0	150.6
40°	101.9	107.7	113.8	120.5	126.9	133.1	139.6	146.1	152.8	159.9	167.3
42.5°	109.5	115.7	122.8	129.8	136.7	144.1	151.5	159.2	167.5	176.0	185.2
45°	116.6	124.0	131.5	139.0	147.2	155.5	163.7	172.2	181.8	192.4	204.6
47.5°	124.1	131.9	140.0	148.7	157.9	166.5	175.3	185.2	196.9	209.8	227.1
50°	131.8	139.8	148.7	158.7	167.8	176.7	186.6	198.6	212.6	231.5	252.2
52.5°	146.8	152.6	160.0	167.9	177.2	186.3	197.9	212.1	231.8	254.2	279.7
55°	161.0	166.6	174.2	180.3	187.4	195.8	208.8	228.3	251.3	278.0	310.5
57.5°	174.0	179.4	185.5	191.7	198.9	209.5	224.7	244.5	271.6	305.2	342.0
60°	186.1	190.8	196.1	202.4	210.9	222.9	241.6	266.1	296.2	331.7	373.1
62.5°	197.3	201.1	205.8	212.1	222.1	237.8	259.5	287.0	322.0	361.6	407.6
65°	207.4	210.4	215.0	222.0	232.9	250.8	276.5	308.9	347.2	391.3	444.4
67.5°	216.5	219.0	223.5	231.3	244.6	265.1	293.0	327.8	370.2	421.9	478.4
70°	225.0	226.9	231.2	239.6	254.6	278.1	308.8	347.0	393.5	448.3	508.8
72.5°	229.9	233.3	238.8	247.9	263.6	290.5	321.7	363.4	414.4	470.5	533.3
75°	233.5	238.2	245.3	256.6	274.9	301.6	334.8	377.9	431.0	487.3	554.3
77.5°	237.2	243.3	251.7	264.8	285.3	313.7	349.9	395.0	446.6	503.6	570.2
80°	241.1	248.4	258.0	272.4	294.4	324.4	362.6	408.5	459.6	519.9	588.7
82.5°	245.0	253.5	264.0	279.4	302.3	333.7	372.9	418.5	468.7	532.0	602.0
85°	248.8	258.5	269.8	285.9	309.0	341.5	380.9	425.2	474.2	539.8	610.0
87.5°	252.7	263.5	275.4	292.1	315.1	348.6	387.7	430.1	477.8	545.5	615.3
90°	256.1	267.9	280.3	297.0	319.3	352.8	390.6	430.3	475.6	542.6	610.8
92.5°	252.7	263.5	275.4	292.1	315.1	348.6	387.7	430.1	477.8	545.5	615.3
95°	248.8	258.5	269.8	285.9	309.0	341.5	380.9	425.2	474.2	539.8	610.0
97.5°	245.0	253.5	264.0	279.4	302.3	333.7	372.9	418.5	468.7	532.0	602.0
100°	241.1	248.4	258.0	272.4	294.4	324.4	362.6	408.5	459.6	519.9	588.7
102.5°	237.2	243.3	251.7	264.8	285.3	313.7	349.9	395.0	446.6	503.6	570.2
105°	233.5	238.2	245.3	256.6	274.9	301.6	334.8	377.9	431.0	487.3	554.3
107.5°	229.9	233.3	238.8	247.9	263.6	290.5	321.7	363.4	414.4	470.5	533.3
110°	225.0	226.9	231.2	239.6	254.6	278.1	308.8	347.0	393.5	448.3	508.8



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	216.5	219.0	223.5	231.3	244.6	265.1	293.0	327.8	370.2	421.9	478.4
115°	207.4	210.4	215.0	222.0	232.9	250.8	276.5	308.9	347.2	391.3	444.4
117.5°	197.3	201.1	205.8	212.1	222.1	237.8	259.5	287.0	322.0	361.6	407.6
120°	186.1	190.8	196.1	202.4	210.9	222.9	241.6	266.1	296.2	331.7	373.1
122.5°	174.0	179.4	185.5	191.7	198.9	209.5	224.7	244.5	271.6	305.2	342.0
125°	161.0	166.6	174.2	180.3	187.4	195.8	208.8	228.3	251.3	278.0	310.5
127.5°	146.8	152.6	160.0	167.9	177.2	186.3	197.9	212.1	231.8	254.2	279.7
130°	131.8	139.8	148.7	158.7	167.8	176.7	186.6	198.6	212.6	231.5	252.2
132.5°	124.1	131.9	140.0	148.7	157.9	166.5	175.3	185.2	196.9	209.8	227.1
135°	116.6	124.0	131.5	139.0	147.2	155.5	163.7	172.2	181.8	192.4	204.6
137.5°	109.5	115.7	122.8	129.8	136.7	144.1	151.5	159.2	167.5	176.0	185.2
140°	101.9	107.7	113.8	120.5	126.9	133.1	139.6	146.1	152.8	159.9	167.3
142.5°	94.4	99.5	104.9	110.7	116.8	122.7	128.2	133.6	139.2	145.0	150.6
145°	86.3	91.0	96.0	101.1	106.3	111.9	117.3	122.1	126.5	130.7	134.6
147.5°	78.7	82.1	86.7	91.3	96.0	100.6	105.5	110.2	114.0	117.1	119.8
150°	71.2	73.8	76.7	81.1	85.5	89.8	93.9	97.6	101.1	104.0	106.7
152.5°	63.6	65.5	68.1	71.5	75.7	79.9	84.0	86.9	89.7	92.1	94.2
155°	57.8	60.2	63.0	65.7	68.6	71.4	74.6	77.5	79.9	82.1	84.0
157.5°	53.2	55.4	57.8	60.2	62.6	65.0	67.4	69.6	71.8	73.7	75.4
160°	48.2	50.2	52.2	54.3	56.4	58.6	60.8	62.9	64.7	66.5	68.1
162.5°	42.5	44.8	46.3	48.1	49.8	51.5	53.3	55.2	57.0	58.8	60.5
165°	36.5	38.2	39.9	41.5	43.0	44.5	45.9	47.2	48.5	49.7	51.0
167.5°	30.2	31.7	33.1	34.5	35.7	37.0	38.1	39.2	40.2	41.2	42.1
170°	23.6	24.8	26.0	27.1	28.1	29.2	30.1	31.0	31.8	32.6	33.2
172.5°	17.0	17.8	18.7	19.4	20.2	20.9	21.6	22.3	22.9	23.5	24.0
175°	10.4	10.9	11.5	12.0	12.5	12.9	13.4	13.8	14.1	14.5	14.8
177.5°	5.1	5.3	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.3
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: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.7	6.6	6.6	6.5	6.4
5°	15.0	15.3	15.5	15.6	15.8	15.8	15.9	15.9	16.2	16.0	15.8
7.5°	24.5	25.0	25.3	25.7	25.9	26.1	26.3	26.4	26.4	26.7	26.5
10°	33.9	34.4	34.9	35.4	35.7	36.0	36.2	36.4	36.5	36.8	36.5
12.5°	43.0	43.8	44.5	45.2	45.7	46.2	46.6	47.0	47.2	47.3	47.6
15°	52.3	53.6	54.8	55.9	56.9	57.8	58.6	59.3	59.9	60.3	60.9
17.5°	62.1	63.3	64.4	65.3	66.2	66.9	67.5	68.0	68.4	68.7	69.1
20°	69.6	70.8	71.7	72.3	72.8	73.0	73.1	73.0	72.7	72.3	72.0
22.5°	76.7	77.7	78.5	79.2	79.5	79.7	79.5	79.2	78.7	78.0	77.3
25°	85.5	86.6	87.4	88.0	88.3	88.3	88.0	87.3	86.4	85.2	83.9
27.5°	96.1	97.4	98.3	99.0	99.7	100.1	100.1	99.8	99.2	98.3	97.0
30°	108.6	110.4	111.8	113.0	114.7	116.1	117.2	117.9	118.2	118.0	117.4
32.5°	122.5	125.5	128.3	130.8	133.8	137.1	140.0	142.5	144.5	145.8	146.5
35°	138.3	143.0	147.9	152.7	157.4	162.5	167.2	171.3	174.7	177.4	179.4
37.5°	156.5	162.6	169.7	176.7	183.3	190.7	197.8	204.2	209.9	214.8	218.6
40°	175.7	183.9	193.3	203.0	212.5	223.0	234.1	244.2	253.1	260.7	266.8
42.5°	195.9	206.9	219.1	234.2	248.7	262.8	277.7	291.4	303.7	314.4	323.3
45°	217.9	235.0	251.7	270.6	289.4	309.4	327.6	346.5	363.8	379.0	391.8
47.5°	245.8	266.7	288.0	310.5	335.8	360.4	385.5	409.8	432.0	451.5	468.1
50°	276.1	301.0	329.4	357.0	387.6	418.8	450.0	482.5	511.7	537.4	559.2
52.5°	309.3	340.6	374.7	409.1	447.5	487.7	526.9	565.2	597.5	623.9	644.5
55°	345.0	382.9	423.5	469.6	516.5	567.3	613.6	650.4	678.4	698.7	712.3
57.5°	382.0	428.5	478.6	534.4	594.1	646.4	698.1	727.6	745.5	757.8	765.0
60°	422.2	476.0	535.6	596.9	658.4	712.3	756.7	784.1	792.4	798.7	802.6
62.5°	461.7	522.5	587.2	653.4	711.5	761.3	793.6	816.0	824.7	831.0	834.8
65°	501.6	563.7	633.3	700.6	757.2	799.9	826.8	844.7	852.5	857.9	862.4
67.5°	539.6	606.2	677.3	746.6	802.4	837.8	857.8	867.1	873.7	881.3	886.7
70°	574.0	645.8	719.7	792.1	843.2	866.6	879.4	888.2	896.0	900.6	905.8
72.5°	603.5	678.2	754.7	821.4	865.8	886.9	896.6	905.1	911.6	915.4	921.3
75°	627.2	703.7	779.7	843.6	883.4	900.5	911.3	919.1	924.5	930.4	934.7
77.5°	644.0	721.8	802.1	863.8	897.8	914.0	922.9	927.8	936.2	942.6	947.9
80°	661.3	738.9	819.0	882.9	914.0	924.8	928.6	937.3	945.2	951.3	958.6
82.5°	676.0	756.5	835.7	893.5	920.8	928.8	934.2	944.0	951.4	964.2	967.8
85°	684.7	766.7	846.3	900.3	922.2	930.1	938.3	949.1	955.1	964.8	972.5
87.5°	690.4	769.5	850.0	903.8	922.9	931.3	939.8	950.2	954.0	965.8	972.8
90°	684.6	765.2	846.4	902.8	922.1	932.0	939.4	948.7	954.3	968.6	969.2
92.5°	690.4	769.5	850.0	903.8	922.9	931.3	939.8	950.2	954.0	965.8	972.8
95°	684.7	766.7	846.3	900.3	922.2	930.1	938.3	949.1	955.1	964.8	972.5
97.5°	676.0	756.5	835.7	893.5	920.8	928.8	934.2	944.0	951.4	964.2	967.8
100°	661.3	738.9	819.0	882.9	914.0	924.8	928.6	937.3	945.2	951.3	958.6
102.5°	644.0	721.8	802.1	863.8	897.8	914.0	922.9	927.8	936.2	942.6	947.9
105°	627.2	703.7	779.7	843.6	883.4	900.5	911.3	919.1	924.5	930.4	934.7
107.5°	603.5	678.2	754.7	821.4	865.8	886.9	896.6	905.1	911.6	915.4	921.3
110°	574.0	645.8	719.7	792.1	843.2	866.6	879.4	888.2	896.0	900.6	905.8



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	539.6	606.2	677.3	746.6	802.4	837.8	857.8	867.1	873.7	881.3	886.7
115°	501.6	563.7	633.2	700.6	757.2	799.9	826.8	844.7	852.5	857.9	862.4
117.5°	461.7	522.5	587.2	653.4	711.5	761.3	793.6	816.0	824.7	831.0	834.8
120°	422.2	476.0	535.6	596.9	658.4	712.3	756.7	784.1	792.4	798.7	802.6
122.5°	382.0	428.5	478.6	534.4	594.1	646.4	698.1	727.6	745.5	757.8	765.0
125°	345.0	382.9	423.5	469.6	516.5	567.3	613.6	650.4	678.4	698.7	712.3
127.5°	309.3	340.6	374.7	409.1	447.5	487.7	526.9	565.2	597.5	623.9	644.5
130°	276.1	301.0	329.4	357.0	387.6	418.8	450.0	482.5	511.7	537.4	559.2
132.5°	245.8	266.7	288.0	310.5	335.8	360.4	385.5	409.8	432.0	451.5	468.1
135°	217.9	235.0	251.7	270.6	289.4	309.4	327.6	346.5	363.8	379.0	391.8
137.5°	195.9	206.9	219.1	234.2	248.7	262.8	277.7	291.4	303.7	314.4	323.3
140°	175.7	183.9	193.3	203.0	212.5	223.0	234.1	244.2	253.1	260.7	266.8
142.5°	156.5	162.6	169.7	176.7	183.3	190.7	197.8	204.2	209.9	214.8	218.6
145°	138.3	143.0	147.9	152.7	157.4	162.5	167.2	171.3	174.7	177.4	179.4
147.5°	122.5	125.5	128.3	130.8	133.8	137.1	140.0	142.5	144.5	145.8	146.5
150°	108.6	110.4	111.8	113.0	114.7	116.1	117.2	117.9	118.2	118.0	117.4
152.5°	96.1	97.4	98.3	99.0	99.7	100.1	100.1	99.8	99.2	98.3	97.0
155°	85.5	86.6	87.4	88.0	88.3	88.3	88.0	87.3	86.4	85.2	83.9
157.5°	76.7	77.7	78.5	79.2	79.5	79.7	79.5	79.2	78.7	78.0	77.3
160°	69.6	70.8	71.7	72.3	72.8	73.0	73.1	73.0	72.7	72.3	72.0
162.5°	62.1	63.3	64.4	65.3	66.2	66.9	67.5	68.0	68.4	68.7	69.1
165°	52.3	53.6	54.8	55.9	56.9	57.8	58.6	59.3	59.9	60.3	60.9
167.5°	43.0	43.8	44.5	45.2	45.7	46.2	46.6	47.0	47.2	47.3	47.6
170°	33.9	34.4	34.9	35.4	35.7	36.0	36.2	36.4	36.5	36.8	36.5
172.5°	24.5	25.0	25.3	25.7	25.9	26.1	26.3	26.4	26.4	26.7	26.5
175°	15.0	15.3	15.5	15.6	15.8	15.8	15.9	15.9	16.2	16.0	15.8
177.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.7	6.6	6.6	6.5	6.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	6.3	6.2
5°	15.7	15.5
7.5°	26.2	26.0
10°	36.3	36.0
12.5°	47.3	47.1
15°	60.9	60.8
17.5°	68.9	68.8
20°	71.3	70.7
22.5°	76.1	75.0
25°	82.4	80.6
27.5°	95.6	93.6
30°	116.6	114.7
32.5°	146.9	145.7
35°	180.9	180.4
37.5°	221.9	222.6
40°	272.2	274.1
42.5°	331.3	334.8
45°	403.6	409.2
47.5°	483.3	491.1
50°	579.0	589.1
52.5°	662.0	669.7
55°	721.8	723.0
57.5°	769.2	766.4
60°	805.5	803.0
62.5°	836.0	834.6
65°	865.4	866.2
67.5°	889.5	889.8
70°	910.2	912.7
72.5°	924.4	925.2
75°	936.9	936.9
77.5°	951.9	953.7
80°	962.4	964.8
82.5°	969.3	970.4
85°	976.8	977.9
87.5°	977.0	981.0
90°	974.8	979.1
92.5°	977.0	981.0
95°	976.8	977.9
97.5°	969.3	970.4
100°	962.4	964.8
102.5°	951.9	953.7
105°	936.9	936.9
107.5°	924.4	925.2
110°	910.2	912.7



TEST NUMBER: P232040

CATALOG NUMBER: FVS4WM-3-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	889.5	889.8
115°	865.4	866.2
117.5°	836.0	834.6
120°	805.5	803.0
122.5°	769.2	766.4
125°	721.8	723.0
127.5°	662.0	669.7
130°	579.0	589.1
132.5°	483.3	491.1
135°	403.6	409.2
137.5°	331.3	334.8
140°	272.2	274.1
142.5°	221.9	222.6
145°	180.9	180.4
147.5°	146.9	145.7
150°	116.6	114.7
152.5°	95.6	93.6
155°	82.4	80.6
157.5°	76.1	75.0
160°	71.3	70.7
162.5°	68.9	68.8
165°	60.9	60.8
167.5°	47.3	47.1
170°	36.3	36.0
172.5°	26.2	26.0
175°	15.7	15.5
177.5°	6.3	6.2
180°	0.0	0.0

(END OF REPORT)