

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: P231904

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231904
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-LD4-30-1HI-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

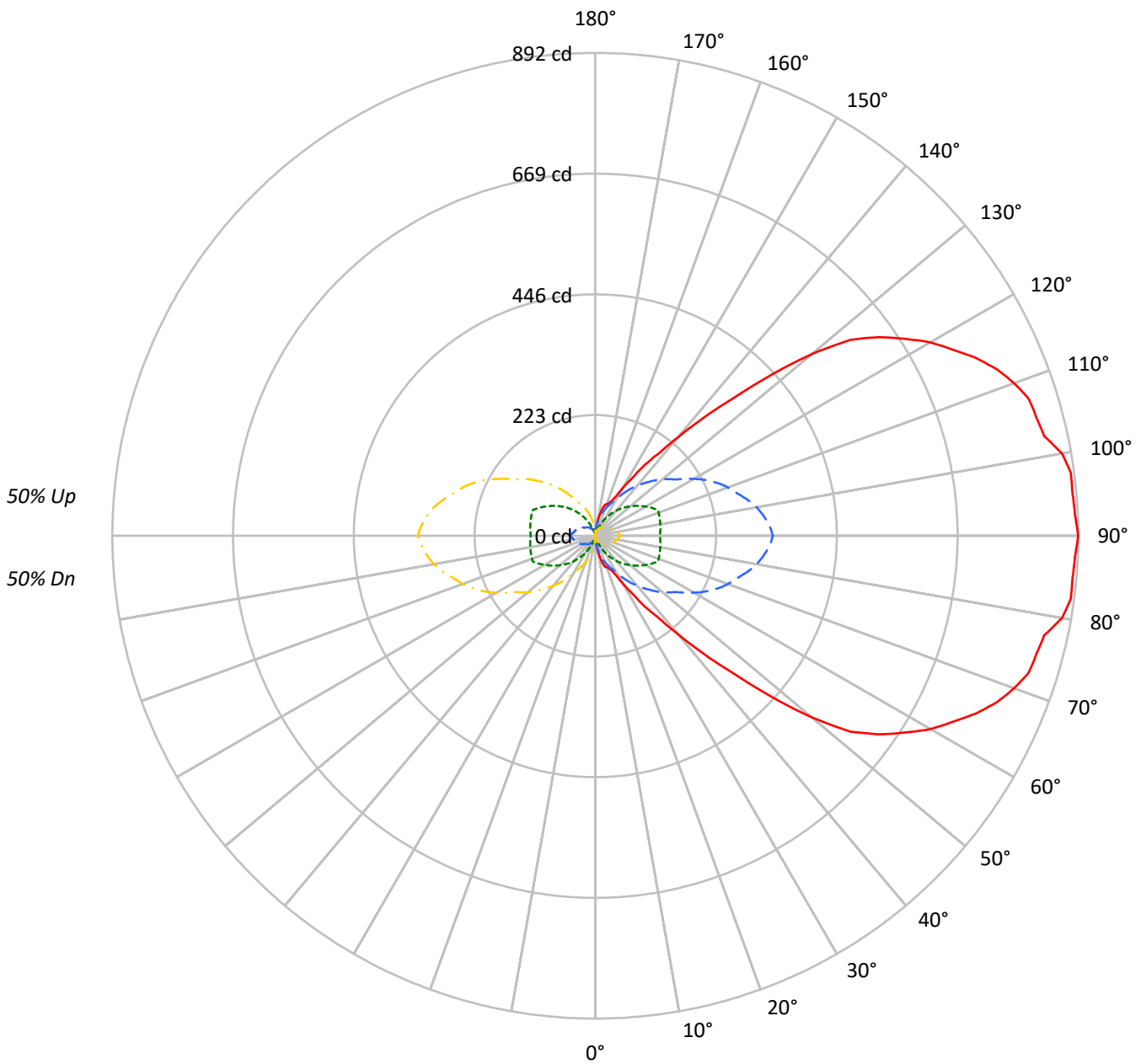
Lumens per Lamp: N/A
Luminaire Lumens: 2064.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	62	58	54	50	46	43	38	36	33	28
2	80	69	60	52	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	58	48	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	32	58	46	37	29	37	29	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	13	10	6
6	53	39	29	22	48	35	26	20	28	21	16	22	16	12	16	11	8	5
7	49	35	25	19	44	31	23	17	25	18	13	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	0	0	0	0
5°	378	113	0	113
10°	745	228	0	228
15°	1134	342	0	342
20°	1222	463	0	463
25°	1305	722	0	722
30°	1814	1135	0	1135
35°	2695	1585	0	1585
40°	3873	2088	0	2088
45°	5668	2662	0	2662
50°	8150	3301	0	3301
55°	9881	4075	0	4075
60°	11014	5031	0	5031
65°	12026	6259	0	6259
70°	12923	7524	0	7524
75°	13520	8857	0	8857
80°	14443	10916	0	10916
85°	15167	14473	0	14473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	6.5	0.3
20°-30°	17.3	0.8
30°-40°	40.0	1.9
40°-50°	79.5	3.9
50°-60°	142.7	6.9
60°-70°	209.3	10.1
70°-80°	255.9	12.4
80°-90°	279.9	13.6
90°-100°	279.9	13.6
100°-110°	255.9	12.4
110°-120°	209.3	10.1
120°-130°	142.7	6.9
130°-140°	79.5	3.9
140°-150°	40.0	1.9
150°-160°	17.3	0.8
160°-170°	6.5	0.3
170°-180°	0.9	0.0
0°-30°	24.7	1.2
0°-40°	64.6	3.1
0°-60°	286.8	13.9
0°-90°	1032.0	50.0
90°-120°	745.1	36.1
90°-150°	1007.3	48.8
90°-180°	1032.0	50.0
0°-180°	2064.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	14	4	0	4	14	2
15°	53	12	0	12	53	15
25°	70	24	0	24	70	35
35°	160	48	0	48	160	103
45°	357	73	0	73	357	288
55°	640	96	0	96	640	569
65°	776	119	0	119	776	768
75°	844	123	0	123	844	895
85°	885	121	0	121	885	722
90°	892	119	0	119	892	487
95°	885	121	0	121	885	722
105°	844	123	0	123	844	895
115°	776	119	0	119	776	768
125°	640	96	0	96	640	569
135°	357	73	0	73	357	288
145°	160	48	0	48	160	103
155°	70	24	0	24	70	35
165°	53	12	0	12	53	15
175°	14	4	0	4	14	2
180°	0	0	0	0	0	



TEST NUMBER: P231904

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.1	6.1	6.1	6.1
5°	14.4	14.6	14.7	14.9	15.0	14.8	14.8	14.7	14.6	14.5	14.3
7.5°	23.1	23.3	23.5	23.7	23.5	23.5	23.5	23.4	23.2	23.0	22.8
10°	31.7	31.9	32.2	32.4	32.2	32.1	32.0	31.8	31.6	31.3	31.0
12.5°	42.3	42.5	42.7	42.5	42.4	42.1	41.8	41.4	41.0	40.4	39.8
15°	52.9	53.0	53.1	52.7	52.4	52.0	51.5	51.0	50.3	49.5	48.7
17.5°	60.6	60.8	60.9	60.6	60.4	60.1	59.7	59.1	58.4	57.7	56.8
20°	61.6	62.2	62.8	63.2	63.6	63.9	64.1	64.2	64.1	63.9	63.5
22.5°	65.4	66.5	67.5	68.2	68.8	69.4	69.7	69.8	69.7	69.4	68.9
25°	70.2	71.8	73.2	74.4	75.5	76.4	77.0	77.4	77.5	77.4	76.9
27.5°	80.8	82.7	84.1	85.3	86.3	87.0	87.4	87.5	87.3	86.8	86.2
30°	102.9	104.5	105.0	105.4	105.2	104.7	103.7	102.5	100.9	99.0	98.1
32.5°	125.0	126.3	126.4	126.3	125.7	124.6	123.1	121.2	119.0	116.5	113.8
35°	159.7	160.0	158.3	156.3	153.5	150.1	146.2	141.8	137.1	133.7	130.3
37.5°	190.4	190.2	188.1	185.5	182.1	177.9	172.9	167.3	161.1	155.0	148.7
40°	237.6	236.1	231.3	226.0	219.4	211.8	203.2	193.9	185.4	177.7	169.5
42.5°	295.3	292.1	284.5	276.2	266.2	254.8	242.2	228.5	216.4	204.3	192.0
45°	356.8	352.0	342.1	331.2	318.3	303.6	287.3	271.6	253.2	236.0	219.3
47.5°	438.6	430.4	415.1	398.8	380.0	359.3	337.1	315.2	294.0	272.1	252.8
50°	522.3	512.5	494.3	474.4	450.9	424.1	394.4	365.9	338.4	312.4	289.2
52.5°	594.4	585.9	568.8	549.2	524.9	495.8	461.8	426.1	390.5	357.5	328.3
55°	639.6	638.7	630.1	617.4	597.8	570.3	534.7	494.3	451.8	411.4	371.8
57.5°	677.1	681.1	678.6	673.0	662.1	645.3	616.5	566.4	517.3	467.3	420.5
60°	714.6	718.1	716.2	713.3	708.2	701.2	673.9	629.7	578.4	521.7	468.8
62.5°	744.4	746.8	746.8	744.4	739.7	732.9	707.3	673.9	625.8	572.2	513.2
65°	776.2	777.1	775.5	772.0	767.0	759.2	739.0	705.9	663.9	611.0	551.2
67.5°	803.1	801.6	798.1	793.7	789.2	785.5	775.1	750.1	702.5	647.3	585.5
70°	823.3	822.1	818.4	812.3	807.5	805.8	802.5	787.5	756.3	688.3	623.0
72.5°	839.7	839.8	837.1	831.4	826.5	822.2	819.8	814.0	785.9	730.3	657.5
75°	843.5	851.3	854.9	849.9	840.7	834.4	831.5	826.0	802.8	754.3	686.9
77.5°	849.3	859.6	867.9	865.6	855.7	843.1	840.4	835.3	815.8	771.6	705.8
80°	875.2	870.6	871.5	874.4	867.5	858.4	850.6	846.7	833.0	787.8	717.5
82.5°	885.8	882.7	878.6	876.9	873.2	868.0	861.5	855.7	841.9	802.6	735.7
85°	884.9	890.4	889.5	877.5	868.0	868.3	865.1	858.9	848.3	815.3	747.4
87.5°	886.8	892.4	887.6	883.7	869.6	862.1	858.9	859.0	853.4	823.4	751.9
90°	891.6	894.5	888.7	891.6	880.0	857.0	850.2	857.9	856.0	825.2	749.2
92.5°	886.8	892.4	887.6	883.7	869.6	862.1	858.9	859.0	853.4	823.4	751.9
95°	884.9	890.4	889.5	877.5	868.0	868.3	865.1	858.9	848.3	815.3	747.4
97.5°	885.8	882.7	878.6	876.9	873.2	868.0	861.5	855.7	841.9	802.6	735.7
100°	875.2	870.6	871.5	874.4	867.5	858.4	850.6	846.7	833.0	787.8	717.5
102.5°	849.3	859.6	867.9	865.6	855.7	843.1	840.4	835.3	815.8	771.6	705.8
105°	843.5	851.3	854.9	849.9	840.7	834.4	831.5	826.0	802.8	754.3	686.9
107.5°	839.7	839.8	837.1	831.4	826.5	822.2	819.8	814.0	785.9	730.3	657.5
110°	823.3	822.1	818.4	812.3	807.5	805.8	802.5	787.5	756.3	688.3	623.0



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

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	803.1	801.6	798.1	793.7	789.2	785.5	775.1	750.1	702.5	647.3	585.5
115°	776.2	777.1	775.5	772.0	767.0	759.2	739.0	705.9	663.9	611.0	551.2
117.5°	744.4	746.8	746.8	744.4	739.7	732.9	707.3	673.9	625.8	572.2	513.2
120°	714.6	718.1	716.2	713.3	708.2	701.2	673.9	629.7	578.4	521.7	468.8
122.5°	677.1	681.1	678.6	673.0	662.1	645.3	616.5	566.4	517.3	467.3	420.5
125°	639.6	638.7	630.1	617.4	597.8	570.3	534.7	494.3	451.8	411.4	371.8
127.5°	594.4	585.9	568.8	549.2	524.9	495.8	461.8	426.1	390.5	357.5	328.3
130°	522.3	512.5	494.3	474.4	450.9	424.1	394.4	365.9	338.4	312.4	289.2
132.5°	438.6	430.4	415.1	398.8	380.0	359.3	337.1	315.2	294.0	272.1	252.8
135°	356.8	352.0	342.1	331.2	318.3	303.6	287.3	271.6	253.2	236.0	219.3
137.5°	295.3	292.1	284.5	276.2	266.2	254.8	242.2	228.5	216.4	204.3	192.0
140°	237.6	236.1	231.3	226.0	219.4	211.8	203.2	193.9	185.4	177.7	169.5
142.5°	190.4	190.2	188.1	185.5	182.1	177.9	172.9	167.3	161.1	155.0	148.7
145°	159.7	160.0	158.3	156.3	153.5	150.1	146.2	141.8	137.1	133.7	130.3
147.5°	125.0	126.3	126.4	126.3	125.7	124.6	123.1	121.2	119.0	116.5	113.8
150°	102.9	104.5	105.0	105.4	105.2	104.7	103.7	102.5	100.9	99.0	98.1
152.5°	80.8	82.7	84.1	85.3	86.3	87.0	87.4	87.5	87.3	86.8	86.2
155°	70.2	71.8	73.2	74.4	75.5	76.4	77.0	77.4	77.5	77.4	76.9
157.5°	65.4	66.5	67.5	68.2	68.8	69.4	69.7	69.8	69.7	69.4	68.9
160°	61.6	62.2	62.8	63.2	63.6	63.9	64.1	64.2	64.1	63.9	63.5
162.5°	60.6	60.8	60.9	60.6	60.4	60.1	59.7	59.1	58.4	57.7	56.8
165°	52.9	53.0	53.1	52.7	52.4	52.0	51.5	51.0	50.3	49.5	48.7
167.5°	42.3	42.5	42.7	42.5	42.4	42.1	41.8	41.4	41.0	40.4	39.8
170°	31.7	31.9	32.2	32.4	32.2	32.1	32.0	31.8	31.6	31.3	31.0
172.5°	23.1	23.3	23.5	23.7	23.5	23.5	23.5	23.4	23.2	23.0	22.8
175°	14.4	14.6	14.7	14.9	15.0	14.8	14.8	14.7	14.6	14.5	14.3
177.5°	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.1	6.1	6.1	6.1
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°	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1
5°	14.2	13.9	13.7	13.4	13.1	12.8	12.4	12.0	11.6	11.2	10.7
7.5°	22.5	22.1	21.8	21.3	20.9	20.4	19.8	19.2	18.6	18.0	17.3
10°	30.5	30.1	29.6	29.0	28.4	27.7	27.0	26.2	25.4	24.5	23.6
12.5°	39.1	38.3	37.4	36.5	35.6	34.8	33.9	32.9	31.9	30.8	29.7
15°	47.8	46.9	45.8	44.7	43.5	42.3	40.9	39.6	38.2	36.9	35.5
17.5°	55.8	54.7	53.5	52.2	50.8	49.4	47.9	46.4	44.7	43.0	41.3
20°	63.0	61.9	60.6	59.1	57.5	55.8	54.0	52.3	50.6	48.9	47.0
22.5°	68.2	67.5	66.7	65.5	64.1	62.3	60.2	58.0	55.8	53.8	51.9
25°	76.2	75.2	73.9	72.2	70.5	68.7	66.5	64.1	61.5	58.8	56.3
27.5°	85.6	84.6	83.1	81.3	79.2	76.6	74.0	70.9	67.8	64.4	61.3
30°	96.9	95.4	93.8	91.6	89.3	86.4	83.1	79.3	75.7	72.7	69.6
32.5°	111.0	108.0	105.6	103.1	100.4	97.2	93.6	89.8	85.9	81.9	78.5
35°	126.7	123.0	119.4	115.7	112.0	108.3	104.3	100.1	95.7	91.4	87.2
37.5°	142.5	137.7	133.3	129.2	124.2	119.5	115.0	110.4	105.6	100.6	95.9
40°	161.3	154.2	147.6	142.0	136.6	131.2	125.9	120.6	115.4	109.9	104.4
42.5°	181.8	172.7	163.9	156.5	149.8	143.1	136.7	131.0	125.1	119.2	113.2
45°	206.2	192.9	182.0	171.8	163.1	155.3	148.2	141.0	134.8	128.4	121.9
47.5°	234.3	216.6	202.0	188.3	177.4	167.6	159.6	151.8	144.0	137.4	130.6
50°	265.6	244.3	223.6	207.1	192.5	180.5	170.4	162.3	154.0	146.0	139.0
52.5°	299.0	273.5	249.1	227.1	208.9	193.7	181.5	171.7	164.3	154.8	149.2
55°	336.6	303.1	275.1	249.2	226.1	207.7	192.4	181.2	174.3	168.1	162.4
57.5°	377.6	337.4	301.2	271.4	245.0	221.9	207.4	195.7	185.6	179.6	174.4
60°	419.0	373.5	331.1	292.6	265.6	242.4	223.3	210.4	198.6	190.3	185.2
62.5°	458.1	407.5	362.2	322.3	286.9	260.7	239.9	224.6	212.3	200.1	194.7
65°	492.1	440.9	393.0	349.7	311.0	279.1	254.8	237.2	225.6	211.9	204.1
67.5°	526.5	472.3	421.4	374.7	333.3	295.7	268.7	249.9	237.2	224.5	212.9
70°	559.6	500.1	447.3	395.7	353.1	314.5	282.8	260.7	247.3	236.9	221.1
72.5°	588.0	524.5	467.0	414.8	368.9	330.3	295.0	269.8	256.4	247.7	231.1
75°	615.0	544.8	483.6	429.5	380.6	343.1	307.6	280.9	265.9	255.0	239.6
77.5°	637.4	560.8	496.7	442.8	394.8	355.8	320.9	292.6	275.1	262.6	247.4
80°	650.8	579.5	512.1	455.5	406.8	366.3	331.9	302.5	283.8	270.5	254.6
82.5°	663.4	593.7	523.4	464.3	415.2	374.5	340.7	310.8	292.0	278.4	261.2
85°	671.7	601.3	530.2	469.4	420.3	380.5	347.5	317.6	299.7	286.1	267.1
87.5°	674.8	605.3	534.9	472.6	423.6	385.3	353.2	323.6	307.1	293.8	272.7
90°	672.3	598.2	530.9	469.4	422.2	386.6	355.9	328.0	313.5	300.1	277.0
92.5°	674.8	605.3	534.9	472.6	423.6	385.3	353.2	323.6	307.1	293.8	272.7
95°	671.7	601.3	530.2	469.4	420.3	380.5	347.5	317.6	299.7	286.1	267.1
97.5°	663.4	593.7	523.4	464.3	415.2	374.5	340.7	310.8	292.0	278.4	261.2
100°	650.8	579.5	512.1	455.5	406.8	366.3	331.9	302.5	283.8	270.5	254.6
102.5°	637.4	560.8	496.7	442.8	394.8	355.8	320.9	292.6	275.1	262.6	247.4
105°	615.0	544.8	483.6	429.5	380.6	343.1	307.6	280.9	265.9	255.0	239.6
107.5°	588.0	524.5	467.0	414.8	368.9	330.3	295.0	269.8	256.4	247.7	231.1
110°	559.6	500.1	447.3	395.7	353.1	314.5	282.8	260.7	247.3	236.9	221.1



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	526.5	472.3	421.4	374.7	333.3	295.7	268.7	249.9	237.2	224.5	212.9
115°	492.1	440.9	393.0	349.7	311.0	279.1	254.8	237.2	225.6	211.9	204.1
117.5°	458.1	407.5	362.2	322.3	286.9	260.7	239.9	224.6	212.3	200.1	194.7
120°	419.0	373.5	331.1	292.6	265.6	242.4	223.3	210.4	198.6	190.3	185.2
122.5°	377.6	337.4	301.2	271.4	245.0	221.9	207.4	195.7	185.6	179.6	174.4
125°	336.6	303.1	275.1	249.2	226.1	207.7	192.4	181.2	174.3	168.1	162.4
127.5°	299.0	273.5	249.1	227.1	208.9	193.7	181.5	171.7	164.3	154.8	149.2
130°	265.6	244.3	223.6	207.1	192.5	180.5	170.4	162.3	154.0	146.0	139.0
132.5°	234.3	216.6	202.0	188.3	177.4	167.6	159.6	151.8	144.0	137.4	130.6
135°	206.2	192.9	182.0	171.8	163.1	155.3	148.2	141.0	134.8	128.4	121.9
137.5°	181.8	172.7	163.9	156.5	149.8	143.1	136.7	131.0	125.1	119.2	113.2
140°	161.3	154.2	147.6	142.0	136.6	131.2	125.9	120.6	115.4	109.9	104.4
142.5°	142.5	137.7	133.3	129.2	124.2	119.5	115.0	110.4	105.6	100.6	95.9
145°	126.7	123.0	119.4	115.7	112.0	108.3	104.3	100.1	95.7	91.4	87.2
147.5°	111.0	108.0	105.6	103.1	100.4	97.2	93.6	89.8	85.9	81.9	78.5
150°	96.9	95.4	93.8	91.6	89.3	86.4	83.1	79.3	75.7	72.7	69.6
152.5°	85.6	84.6	83.1	81.3	79.2	76.6	74.0	70.9	67.8	64.4	61.3
155°	76.2	75.2	73.9	72.2	70.5	68.7	66.5	64.1	61.5	58.8	56.3
157.5°	68.2	67.5	66.7	65.5	64.1	62.3	60.2	58.0	55.8	53.8	51.9
160°	63.0	61.9	60.6	59.1	57.5	55.8	54.0	52.3	50.6	48.9	47.0
162.5°	55.8	54.7	53.5	52.2	50.8	49.4	47.9	46.4	44.7	43.0	41.3
165°	47.8	46.9	45.8	44.7	43.5	42.3	40.9	39.6	38.2	36.9	35.5
167.5°	39.1	38.3	37.4	36.5	35.6	34.8	33.9	32.9	31.9	30.8	29.7
170°	30.5	30.1	29.6	29.0	28.4	27.7	27.0	26.2	25.4	24.5	23.6
172.5°	22.5	22.1	21.8	21.3	20.9	20.4	19.8	19.2	18.6	18.0	17.3
175°	14.2	13.9	13.7	13.4	13.1	12.8	12.4	12.0	11.6	11.2	10.7
177.5°	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1
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: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	4.9	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9
5°	10.2	9.7	9.1	8.8	8.4	8.0	7.6	7.2	6.7	6.3	5.8
7.5°	16.5	15.8	14.9	14.1	13.2	12.3	11.4	10.7	10.1	9.4	8.7
10°	22.7	21.7	20.7	19.6	18.4	17.2	16.0	14.8	13.5	12.5	11.6
12.5°	28.5	27.3	26.1	24.8	23.4	22.0	20.5	19.0	17.4	15.8	14.5
15°	34.2	32.7	31.5	29.7	28.2	26.6	24.9	23.1	21.3	19.4	17.4
17.5°	39.7	37.9	36.2	34.5	32.7	30.9	29.0	27.1	25.0	22.9	20.6
20°	45.0	43.0	41.0	39.1	37.1	35.1	33.0	30.9	28.7	26.3	23.8
22.5°	50.0	47.9	45.7	43.4	41.2	39.0	36.8	34.5	32.1	29.7	26.9
25°	54.1	52.1	50.0	47.6	45.8	44.1	42.2	40.3	38.2	36.0	33.4
27.5°	59.0	57.5	56.4	55.1	53.3	51.3	49.5	47.5	45.3	43.0	40.3
30°	67.2	64.9	63.1	61.9	60.5	58.5	56.4	54.5	52.6	49.9	47.2
32.5°	75.2	72.4	70.1	68.4	67.2	65.5	63.3	61.2	59.2	56.7	53.8
35°	83.4	79.8	77.1	74.8	73.3	72.2	70.0	67.8	65.7	63.5	60.5
37.5°	91.4	87.5	83.7	81.3	79.4	78.2	76.6	74.2	72.0	70.1	67.0
40°	99.4	94.8	90.9	87.3	85.3	83.9	82.9	80.6	78.2	76.4	73.6
42.5°	107.1	102.2	97.6	93.8	91.1	89.4	88.5	86.9	84.2	82.5	80.0
45°	115.4	109.0	104.3	100.1	96.4	94.9	93.9	93.0	90.4	88.5	86.5
47.5°	123.4	116.5	110.7	106.4	102.3	101.0	101.9	103.0	102.7	101.8	99.8
50°	131.5	124.5	120.1	118.4	116.9	116.1	116.7	117.8	118.7	118.5	114.9
52.5°	144.8	140.2	136.4	133.9	132.6	131.4	131.7	132.6	134.0	135.7	130.2
55°	158.5	154.9	151.7	149.0	147.9	147.0	146.8	147.3	148.7	152.3	146.0
57.5°	170.9	168.4	166.2	163.9	163.0	162.3	161.9	162.0	163.1	168.1	162.2
60°	182.0	180.7	179.5	178.3	177.6	177.4	177.0	176.7	177.9	183.5	178.7
62.5°	192.4	191.8	191.9	192.0	191.9	192.3	192.2	191.7	192.6	198.6	195.5
65°	201.6	202.1	203.5	205.0	205.9	206.8	207.2	206.7	207.3	213.3	212.5
67.5°	209.6	211.4	214.2	217.3	219.4	221.1	222.1	221.8	221.9	227.9	229.8
70°	217.0	220.1	224.3	228.3	230.6	231.8	232.2	231.9	231.4	234.0	233.5
72.5°	223.8	224.7	228.0	231.7	235.1	237.0	237.8	238.7	239.1	239.1	235.5
75°	228.9	227.9	231.0	234.9	239.4	242.2	243.2	245.1	246.9	245.1	237.5
77.5°	234.0	231.3	234.1	238.0	243.5	247.3	248.4	251.3	254.7	251.7	239.4
80°	239.0	234.9	237.3	241.1	247.5	252.5	253.6	257.3	262.6	258.8	241.3
82.5°	244.0	238.6	240.6	244.2	251.4	257.6	258.7	263.2	270.5	266.2	244.3
85°	248.7	242.3	244.0	247.3	255.3	262.8	263.7	268.7	278.6	274.3	245.2
87.5°	253.5	246.2	247.4	250.4	259.3	268.0	268.9	274.8	286.4	281.4	246.2
90°	257.8	250.1	251.0	253.9	263.5	273.2	274.1	280.8	294.3	288.5	247.2
92.5°	253.5	246.2	247.4	250.4	259.3	268.0	268.9	274.8	286.4	281.4	246.2
95°	248.7	242.3	244.0	247.3	255.3	262.8	263.7	268.7	278.6	274.3	245.2
97.5°	244.0	238.6	240.6	244.2	251.4	257.6	258.7	263.2	270.5	266.2	244.3
100°	239.0	234.9	237.3	241.1	247.5	252.5	253.6	257.3	262.6	258.8	241.3
102.5°	234.0	231.3	234.1	238.0	243.5	247.3	248.4	251.3	254.7	251.7	239.4
105°	228.9	227.9	231.0	234.9	239.4	242.2	243.2	245.1	246.9	245.1	237.5
107.5°	223.8	224.7	228.0	231.7	235.1	237.0	237.8	238.7	239.1	239.1	235.5
110°	217.0	220.1	224.3	228.3	230.6	231.8	232.2	231.9	231.4	234.0	233.5



TEST NUMBER: P231904

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	209.6	211.4	214.2	217.3	219.4	221.1	222.1	221.8	221.9	227.9	229.8
115°	201.6	202.1	203.5	205.0	205.9	206.8	207.2	206.7	207.3	213.3	212.5
117.5°	192.4	191.8	191.9	192.0	191.9	192.3	192.2	191.7	192.6	198.6	195.5
120°	182.0	180.7	179.5	178.3	177.6	177.4	177.0	176.7	177.9	183.5	178.7
122.5°	170.9	168.4	166.2	163.9	163.0	162.3	161.9	162.0	163.1	168.1	162.2
125°	158.5	154.9	151.7	149.0	147.9	147.0	146.8	147.3	148.7	152.3	146.0
127.5°	144.8	140.2	136.4	133.9	132.6	131.4	131.7	132.6	134.0	135.7	130.2
130°	131.5	124.5	120.1	118.4	116.9	116.1	116.7	117.8	118.7	118.5	114.9
132.5°	123.4	116.5	110.7	106.4	102.3	101.0	101.9	103.0	102.7	101.8	99.8
135°	115.4	109.0	104.3	100.1	96.4	94.9	93.9	93.0	90.4	88.5	86.5
137.5°	107.1	102.2	97.6	93.8	91.1	89.4	88.5	86.9	84.2	82.5	80.0
140°	99.4	94.8	90.9	87.3	85.3	83.9	82.9	80.6	78.2	76.4	73.6
142.5°	91.4	87.5	83.7	81.3	79.4	78.2	76.6	74.2	72.0	70.1	67.0
145°	83.4	79.8	77.1	74.8	73.3	72.2	70.0	67.8	65.7	63.5	60.5
147.5°	75.2	72.4	70.1	68.4	67.2	65.5	63.3	61.2	59.2	56.7	53.8
150°	67.2	64.9	63.1	61.9	60.5	58.5	56.4	54.5	52.6	49.9	47.2
152.5°	59.0	57.5	56.4	55.1	53.3	51.3	49.5	47.5	45.3	43.0	40.3
155°	54.1	52.1	50.0	47.6	45.8	44.1	42.2	40.3	38.2	36.0	33.4
157.5°	50.0	47.9	45.7	43.4	41.2	39.0	36.8	34.5	32.1	29.7	26.9
160°	45.0	43.0	41.0	39.1	37.1	35.1	33.0	30.9	28.7	26.3	23.8
162.5°	39.7	37.9	36.2	34.5	32.7	30.9	29.0	27.1	25.0	22.9	20.6
165°	34.2	32.7	31.5	29.7	28.2	26.6	24.9	23.1	21.3	19.4	17.4
167.5°	28.5	27.3	26.1	24.8	23.4	22.0	20.5	19.0	17.4	15.8	14.5
170°	22.7	21.7	20.7	19.6	18.4	17.2	16.0	14.8	13.5	12.5	11.6
172.5°	16.5	15.8	14.9	14.1	13.2	12.3	11.4	10.7	10.1	9.4	8.7
175°	10.2	9.7	9.1	8.8	8.4	8.0	7.6	7.2	6.7	6.3	5.8
177.5°	4.9	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9
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: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	2.7	2.4	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
5°	5.3	4.8	4.3	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7
7.5°	8.0	7.3	6.5	5.8	5.8	5.7	5.7	5.7	5.6	5.6	5.5
10°	10.6	9.7	8.7	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.3
12.5°	13.3	12.1	10.9	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.2
15°	15.9	14.5	13.0	11.5	11.5	11.5	11.4	11.4	11.3	11.2	11.0
17.5°	18.6	16.9	15.2	13.5	13.4	13.4	13.3	13.3	13.2	13.0	12.9
20°	21.2	19.3	17.3	15.4	15.4	15.3	15.3	15.2	15.0	14.9	14.7
22.5°	24.1	21.7	19.5	17.3	17.3	17.2	17.2	17.1	16.9	16.8	16.6
25°	30.5	27.9	25.8	23.5	23.6	23.6	23.4	23.1	22.7	22.0	21.2
27.5°	37.2	34.2	32.0	29.7	29.9	30.1	30.1	29.9	29.3	28.4	27.2
30°	43.9	40.5	38.3	35.9	36.3	36.6	36.8	36.8	35.8	34.7	32.8
32.5°	50.5	46.9	44.5	42.1	42.7	43.2	43.6	43.4	42.2	40.4	38.1
35°	57.1	53.3	50.6	48.3	49.2	49.9	50.4	50.0	48.5	45.8	42.9
37.5°	63.6	59.6	56.8	54.5	55.6	56.6	57.4	56.4	54.7	50.9	47.1
40°	70.1	66.0	62.9	60.7	62.1	63.3	64.4	62.8	60.0	55.7	50.8
42.5°	76.5	72.3	69.0	66.9	68.6	70.1	71.4	69.1	65.3	60.4	54.1
45°	82.8	78.5	75.1	73.1	75.1	76.9	77.9	75.4	70.3	64.0	57.0
47.5°	94.7	88.6	82.9	78.9	79.3	80.0	79.8	77.0	71.5	65.1	58.3
50°	107.7	99.2	90.9	84.6	83.4	82.8	81.2	77.3	71.2	64.7	58.2
52.5°	121.1	110.1	99.0	90.4	87.3	85.3	82.3	77.4	71.0	64.5	58.6
55°	135.0	121.2	107.2	96.2	91.1	87.8	83.4	77.5	70.9	64.5	59.2
57.5°	149.1	132.7	115.6	101.9	94.9	90.0	84.3	77.6	70.9	64.9	60.3
60°	163.6	144.3	124.0	107.7	98.5	92.1	85.1	77.8	71.1	65.7	61.8
62.5°	178.3	156.1	132.6	113.5	102.1	94.2	85.9	78.0	71.5	66.8	63.9
65°	193.3	168.1	141.2	119.2	105.6	96.1	86.6	78.2	72.1	68.1	66.4
67.5°	208.4	180.1	149.9	125.0	109.0	97.9	87.2	78.5	72.8	69.6	69.1
70°	209.7	179.9	149.1	124.4	108.1	97.0	86.4	77.8	72.3	69.6	69.9
72.5°	209.9	179.2	148.2	123.7	107.2	96.0	85.5	77.0	71.6	69.0	69.4
75°	209.9	178.3	148.1	123.1	106.4	95.1	84.8	76.2	70.8	68.4	68.9
77.5°	209.8	177.3	146.9	122.5	105.6	94.2	84.1	75.6	70.1	67.9	68.2
80°	209.5	177.1	145.6	121.8	104.8	93.3	83.5	74.9	69.5	67.3	67.5
82.5°	210.0	175.4	144.3	121.2	104.0	92.5	83.0	74.4	68.9	66.8	66.8
85°	209.0	173.6	143.0	120.6	103.3	91.8	82.5	73.9	68.3	66.3	66.0
87.5°	207.9	171.9	141.7	119.9	102.7	91.1	82.1	73.5	67.8	65.8	65.2
90°	206.8	170.2	140.4	119.3	102.0	90.4	81.8	73.1	67.3	65.4	64.4
92.5°	207.9	171.9	141.7	119.9	102.7	91.1	82.1	73.5	67.8	65.8	65.2
95°	209.0	173.6	143.0	120.6	103.3	91.8	82.5	73.9	68.3	66.3	66.0
97.5°	210.0	175.4	144.3	121.2	104.0	92.5	83.0	74.4	68.9	66.8	66.8
100°	209.5	177.1	145.6	121.8	104.8	93.3	83.5	74.9	69.5	67.3	67.5
102.5°	209.8	177.3	146.9	122.5	105.6	94.2	84.1	75.6	70.1	67.9	68.2
105°	209.9	178.3	148.1	123.1	106.4	95.1	84.8	76.2	70.8	68.4	68.9
107.5°	209.9	179.2	148.2	123.7	107.2	96.0	85.5	77.0	71.6	69.0	69.4
110°	209.7	179.9	149.1	124.4	108.1	97.0	86.4	77.8	72.3	69.6	69.9



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	208.4	180.1	149.9	125.0	109.0	97.9	87.2	78.5	72.8	69.6	69.1
115°	193.3	168.1	141.2	119.2	105.6	96.1	86.6	78.2	72.1	68.1	66.4
117.5°	178.3	156.1	132.6	113.5	102.1	94.2	85.9	78.0	71.5	66.8	63.9
120°	163.6	144.3	124.0	107.7	98.5	92.1	85.1	77.8	71.1	65.7	61.8
122.5°	149.1	132.7	115.6	101.9	94.9	90.0	84.3	77.6	70.9	64.9	60.3
125°	135.0	121.2	107.2	96.2	91.1	87.8	83.4	77.5	70.9	64.5	59.2
127.5°	121.1	110.1	99.0	90.4	87.3	85.3	82.3	77.4	71.0	64.5	58.6
130°	107.7	99.2	90.9	84.6	83.4	82.8	81.2	77.3	71.2	64.7	58.2
132.5°	94.7	88.6	82.9	78.9	79.3	80.0	79.8	77.0	71.5	65.1	58.3
135°	82.8	78.5	75.1	73.1	75.1	76.9	77.9	75.4	70.3	64.0	57.0
137.5°	76.5	72.3	69.0	66.9	68.6	70.1	71.4	69.1	65.3	60.4	54.1
140°	70.1	66.0	62.9	60.7	62.1	63.3	64.4	62.8	60.0	55.7	50.8
142.5°	63.6	59.6	56.8	54.5	55.6	56.6	57.4	56.4	54.7	50.9	47.1
145°	57.1	53.3	50.6	48.3	49.2	49.9	50.4	50.0	48.5	45.8	42.9
147.5°	50.5	46.9	44.5	42.1	42.7	43.2	43.6	43.4	42.2	40.4	38.1
150°	43.9	40.5	38.3	35.9	36.3	36.6	36.8	36.8	35.8	34.7	32.8
152.5°	37.2	34.2	32.0	29.7	29.9	30.1	30.1	29.9	29.3	28.4	27.2
155°	30.5	27.9	25.8	23.5	23.6	23.6	23.4	23.1	22.7	22.0	21.2
157.5°	24.1	21.7	19.5	17.3	17.3	17.2	17.2	17.1	16.9	16.8	16.6
160°	21.2	19.3	17.3	15.4	15.4	15.3	15.3	15.2	15.0	14.9	14.7
162.5°	18.6	16.9	15.2	13.5	13.4	13.4	13.3	13.3	13.2	13.0	12.9
165°	15.9	14.5	13.0	11.5	11.5	11.5	11.4	11.4	11.3	11.2	11.0
167.5°	13.3	12.1	10.9	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.2
170°	10.6	9.7	8.7	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.3
172.5°	8.0	7.3	6.5	5.8	5.8	5.7	5.7	5.7	5.6	5.6	5.5
175°	5.3	4.8	4.3	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7
177.5°	2.7	2.4	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4
5°	3.6	3.6	3.5	3.4	3.3	3.2	3.2	3.1	2.9	2.8	2.7
7.5°	5.4	5.3	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1
10°	7.2	7.1	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5
12.5°	9.0	8.9	8.7	8.6	8.4	8.1	7.9	7.7	7.4	7.1	6.9
15°	10.9	10.7	10.5	10.3	10.0	9.8	9.5	9.2	8.9	8.6	8.2
17.5°	12.7	12.5	12.3	12.0	11.7	11.4	11.1	10.8	10.4	10.1	9.7
20°	14.5	14.3	14.0	13.8	13.5	13.1	12.8	12.4	12.0	11.5	11.1
22.5°	16.4	16.1	15.8	15.5	15.2	14.8	14.4	14.0	13.5	13.1	12.4
25°	20.2	19.2	18.2	17.3	16.9	16.5	16.1	15.6	14.9	14.1	13.3
27.5°	25.8	24.4	23.0	21.6	20.3	19.2	18.0	16.8	15.9	15.3	14.7
30°	31.0	29.0	27.0	25.2	23.5	21.9	20.4	19.0	17.9	17.0	15.9
32.5°	35.5	32.8	30.4	28.1	26.0	24.1	22.4	21.0	19.7	18.3	17.0
35°	39.4	36.1	33.2	30.5	28.1	26.0	24.2	22.5	20.9	19.4	18.4
37.5°	42.9	39.0	35.4	32.5	29.9	27.6	25.5	23.6	22.0	20.7	19.5
40°	45.8	41.3	37.5	34.3	31.4	28.7	26.5	24.6	23.1	21.7	20.2
42.5°	48.4	43.1	39.4	35.8	32.5	29.8	27.5	25.7	24.1	22.5	21.2
45°	50.6	45.2	41.0	37.0	33.5	30.7	28.5	26.6	24.9	23.4	22.1
47.5°	52.0	47.0	42.3	37.8	34.5	31.7	29.4	27.6	25.8	24.3	22.9
50°	52.4	48.4	44.1	40.0	36.3	32.8	30.4	28.5	26.7	25.2	23.9
52.5°	53.8	50.3	46.6	43.4	40.1	36.8	33.6	30.4	27.6	26.3	24.9
55°	55.6	52.8	49.9	47.2	44.3	41.0	37.5	34.1	31.2	28.5	26.2
57.5°	57.8	55.8	53.7	51.5	48.8	45.0	41.3	37.7	34.5	31.4	28.6
60°	60.4	59.3	57.9	56.0	53.1	49.0	45.0	41.1	37.3	33.8	30.6
62.5°	63.4	63.2	62.4	60.8	57.3	52.9	48.5	44.2	39.7	35.9	32.0
65°	66.8	67.4	67.3	65.8	61.4	56.7	51.9	46.9	42.0	37.6	33.2
67.5°	70.5	71.9	72.2	70.6	65.6	60.6	55.1	49.3	44.0	39.0	34.5
70°	72.2	74.7	75.9	74.6	69.7	64.2	58.1	51.5	45.8	40.3	35.6
72.5°	71.8	74.3	75.7	74.3	70.4	65.7	59.8	53.4	47.5	41.5	36.6
75°	71.3	74.0	75.6	74.3	71.1	66.6	60.7	54.6	48.7	42.8	37.8
77.5°	70.7	73.8	75.6	74.6	72.1	67.7	61.9	56.0	50.1	44.2	39.0
80°	70.1	73.5	75.7	75.2	73.4	69.0	63.3	57.6	51.7	45.6	40.3
82.5°	69.5	73.2	75.8	76.0	74.8	70.5	64.9	59.5	53.6	47.1	41.8
85°	68.8	72.9	75.9	76.9	76.4	72.2	66.8	61.6	55.7	48.8	43.3
87.5°	68.1	72.5	76.0	77.9	78.1	74.0	68.9	63.9	58.1	50.7	45.1
90°	67.3	72.1	76.0	78.9	79.8	76.0	71.2	66.4	60.6	52.9	47.1
92.5°	68.1	72.5	76.0	77.9	78.1	74.0	68.9	63.9	58.1	50.7	45.1
95°	68.8	72.9	75.9	76.9	76.4	72.2	66.8	61.6	55.7	48.8	43.3
97.5°	69.5	73.2	75.8	76.0	74.8	70.5	64.9	59.5	53.6	47.1	41.8
100°	70.1	73.5	75.7	75.2	73.4	69.0	63.3	57.6	51.7	45.6	40.3
102.5°	70.7	73.8	75.6	74.6	72.1	67.7	61.9	56.0	50.1	44.2	39.0
105°	71.3	74.0	75.6	74.3	71.1	66.6	60.7	54.6	48.7	42.8	37.8
107.5°	71.8	74.3	75.7	74.3	70.4	65.7	59.8	53.4	47.5	41.5	36.6
110°	72.2	74.7	75.9	74.6	69.7	64.2	58.1	51.5	45.8	40.3	35.6



TEST NUMBER: P231904

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	70.5	71.9	72.2	70.6	65.6	60.6	55.1	49.3	44.0	39.0	34.5
115°	66.8	67.4	67.3	65.8	61.4	56.7	51.9	46.9	42.0	37.6	33.2
117.5°	63.4	63.2	62.4	60.8	57.3	52.9	48.5	44.2	39.7	35.9	32.0
120°	60.4	59.3	57.9	56.0	53.1	49.0	45.0	41.1	37.3	33.8	30.6
122.5°	57.8	55.8	53.7	51.5	48.8	45.0	41.3	37.7	34.5	31.4	28.6
125°	55.6	52.8	49.9	47.2	44.3	41.0	37.5	34.1	31.2	28.5	26.2
127.5°	53.8	50.3	46.6	43.4	40.1	36.8	33.6	30.4	27.6	26.3	24.9
130°	52.4	48.4	44.1	40.0	36.3	32.8	30.4	28.5	26.7	25.2	23.9
132.5°	52.0	47.0	42.3	37.8	34.5	31.7	29.4	27.6	25.8	24.3	22.9
135°	50.6	45.2	41.0	37.0	33.5	30.7	28.5	26.6	24.9	23.4	22.1
137.5°	48.4	43.1	39.4	35.8	32.5	29.8	27.5	25.7	24.1	22.5	21.2
140°	45.8	41.3	37.5	34.3	31.4	28.7	26.5	24.6	23.1	21.7	20.2
142.5°	42.9	39.0	35.4	32.5	29.9	27.6	25.5	23.6	22.0	20.7	19.5
145°	39.4	36.1	33.2	30.5	28.1	26.0	24.2	22.5	20.9	19.4	18.4
147.5°	35.5	32.8	30.4	28.1	26.0	24.1	22.4	21.0	19.7	18.3	17.0
150°	31.0	29.0	27.0	25.2	23.5	21.9	20.4	19.0	17.9	17.0	15.9
152.5°	25.8	24.4	23.0	21.6	20.3	19.2	18.0	16.8	15.9	15.3	14.7
155°	20.2	19.2	18.2	17.3	16.9	16.5	16.1	15.6	14.9	14.1	13.3
157.5°	16.4	16.1	15.8	15.5	15.2	14.8	14.4	14.0	13.5	13.1	12.4
160°	14.5	14.3	14.0	13.8	13.5	13.1	12.8	12.4	12.0	11.5	11.1
162.5°	12.7	12.5	12.3	12.0	11.7	11.4	11.1	10.8	10.4	10.1	9.7
165°	10.9	10.7	10.5	10.3	10.0	9.8	9.5	9.2	8.9	8.6	8.2
167.5°	9.0	8.9	8.7	8.6	8.4	8.1	7.9	7.7	7.4	7.1	6.9
170°	7.2	7.1	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5
172.5°	5.4	5.3	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1
175°	3.6	3.6	3.5	3.4	3.3	3.2	3.2	3.1	2.9	2.8	2.7
177.5°	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5	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: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	1.3	1.2	1.2	1.1	1.0	1.0	0.9	0.8	0.7	0.7	0.6
5°	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
7.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.7
10°	5.2	5.0	4.7	4.4	4.2	3.9	3.6	3.3	3.0	2.7	2.3
12.5°	6.5	6.2	5.9	5.6	5.2	4.9	4.5	4.1	3.7	3.3	2.9
15°	7.9	7.5	7.1	6.7	6.3	5.9	5.4	5.0	4.5	4.0	3.5
17.5°	9.2	8.8	8.4	7.9	7.4	6.9	6.3	5.7	5.2	4.6	4.0
20°	10.6	10.1	9.5	8.8	8.2	7.6	7.0	6.4	5.8	5.2	4.6
22.5°	11.7	11.0	10.3	9.7	9.1	8.5	7.9	7.2	6.5	5.7	5.0
25°	12.7	12.2	11.6	10.8	10.0	9.2	8.4	7.6	6.9	6.2	5.5
27.5°	14.1	13.2	12.4	11.5	10.7	10.0	9.3	8.5	7.7	6.8	5.9
30°	14.9	13.9	13.3	12.5	11.8	10.8	9.9	8.9	8.0	7.1	6.3
32.5°	16.0	15.2	14.4	13.3	12.3	11.3	10.5	9.6	8.8	7.8	6.8
35°	17.4	16.2	15.0	14.0	13.2	12.3	11.3	10.2	9.1	8.1	7.0
37.5°	18.2	16.9	16.0	15.2	14.0	12.8	11.6	10.5	9.3	8.2	7.2
40°	19.0	18.0	16.9	15.7	14.4	13.1	11.9	10.8	9.9	8.9	7.8
42.5°	20.0	18.8	17.5	16.2	14.8	13.7	12.7	11.7	10.4	9.1	7.9
45°	20.8	19.5	18.1	16.9	15.8	14.6	13.2	11.8	10.7	9.7	8.6
47.5°	21.6	20.3	19.0	17.9	16.4	14.8	13.6	12.6	11.4	10.0	8.7
50°	22.5	21.2	20.0	18.3	16.7	15.5	14.4	13.0	11.5	10.4	9.3
52.5°	23.5	22.2	20.4	18.7	17.5	16.2	14.7	13.4	12.2	11.2	10.1
55°	24.6	22.7	20.9	19.5	18.1	16.7	15.1	13.9	13.0	11.8	10.3
57.5°	25.9	23.2	21.7	20.3	18.7	16.9	15.7	14.8	13.2	11.6	10.2
60°	27.3	24.8	22.7	21.0	18.8	17.6	16.6	14.8	13.1	11.7	10.1
62.5°	28.6	26.0	23.8	21.3	19.6	18.6	16.6	14.9	13.4	11.5	9.8
65°	29.8	27.1	24.4	21.8	20.5	18.4	16.8	15.3	13.2	11.2	9.5
67.5°	30.9	28.0	24.7	22.5	20.4	18.3	16.8	15.0	12.9	10.9	9.1
70°	31.9	28.4	25.2	22.7	20.2	18.0	16.1	14.2	12.4	10.6	8.7
72.5°	32.7	28.9	25.5	22.7	19.9	17.5	15.5	13.4	11.6	9.9	8.1
75°	33.6	29.4	25.6	22.7	19.3	17.1	14.8	12.7	10.9	9.1	7.3
77.5°	34.4	29.9	26.0	22.5	18.9	16.9	14.1	12.3	10.4	8.5	6.9
80°	35.3	30.6	26.4	22.3	18.8	16.2	13.7	12.0	10.0	8.1	6.4
82.5°	36.3	31.3	26.8	22.2	18.6	15.5	13.0	11.2	9.4	7.7	5.9
85°	37.5	32.2	27.3	22.2	18.4	14.9	12.4	10.5	8.7	7.1	5.5
87.5°	38.8	33.3	28.0	22.5	18.2	14.5	11.9	10.0	8.1	6.8	5.5
90°	40.4	34.6	28.9	23.1	18.3	14.4	11.5	9.6	7.7	6.7	5.8
92.5°	38.8	33.3	28.0	22.5	18.2	14.5	11.9	10.0	8.1	6.8	5.5
95°	37.5	32.2	27.3	22.2	18.4	14.9	12.4	10.5	8.7	7.1	5.5
97.5°	36.3	31.3	26.8	22.2	18.6	15.5	13.0	11.2	9.4	7.7	5.9
100°	35.3	30.6	26.4	22.3	18.8	16.2	13.7	12.0	10.0	8.1	6.4
102.5°	34.4	29.9	26.0	22.5	18.9	16.9	14.1	12.3	10.4	8.5	6.9
105°	33.6	29.4	25.6	22.7	19.3	17.1	14.8	12.7	10.9	9.1	7.3
107.5°	32.7	28.9	25.5	22.7	19.9	17.5	15.5	13.4	11.6	9.9	8.1
110°	31.9	28.4	25.2	22.7	20.2	18.0	16.1	14.2	12.4	10.6	8.7



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	30.9	28.0	24.7	22.5	20.4	18.3	16.8	15.0	12.9	10.9	9.1
115°	29.8	27.1	24.4	21.8	20.5	18.4	16.8	15.3	13.2	11.2	9.5
117.5°	28.6	26.0	23.8	21.3	19.6	18.6	16.6	14.9	13.4	11.5	9.8
120°	27.3	24.8	22.7	21.0	18.8	17.6	16.6	14.8	13.1	11.7	10.1
122.5°	25.9	23.2	21.7	20.3	18.7	16.9	15.7	14.8	13.2	11.6	10.2
125°	24.6	22.7	20.9	19.5	18.1	16.7	15.1	13.9	13.0	11.8	10.3
127.5°	23.5	22.2	20.4	18.7	17.5	16.2	14.7	13.4	12.2	11.2	10.1
130°	22.5	21.2	20.0	18.3	16.7	15.5	14.4	13.0	11.5	10.4	9.3
132.5°	21.6	20.3	19.0	17.9	16.4	14.8	13.6	12.6	11.4	10.0	8.7
135°	20.8	19.5	18.1	16.9	15.8	14.6	13.2	11.8	10.7	9.7	8.6
137.5°	20.0	18.8	17.5	16.2	14.8	13.7	12.7	11.7	10.4	9.1	7.9
140°	19.0	18.0	16.9	15.7	14.4	13.1	11.9	10.8	9.9	8.9	7.8
142.5°	18.2	16.9	16.0	15.2	14.0	12.8	11.6	10.5	9.3	8.2	7.2
145°	17.4	16.2	15.0	14.0	13.2	12.3	11.3	10.2	9.1	8.1	7.0
147.5°	16.0	15.2	14.4	13.3	12.3	11.3	10.5	9.6	8.8	7.8	6.8
150°	14.9	13.9	13.3	12.5	11.8	10.8	9.9	8.9	8.0	7.1	6.3
152.5°	14.1	13.2	12.4	11.5	10.7	10.0	9.3	8.5	7.7	6.8	5.9
155°	12.7	12.2	11.6	10.8	10.0	9.2	8.4	7.6	6.9	6.2	5.5
157.5°	11.7	11.0	10.3	9.7	9.1	8.5	7.9	7.2	6.5	5.7	5.0
160°	10.6	10.1	9.5	8.8	8.2	7.6	7.0	6.4	5.8	5.2	4.6
162.5°	9.2	8.8	8.4	7.9	7.4	6.9	6.3	5.7	5.2	4.6	4.0
165°	7.9	7.5	7.1	6.7	6.3	5.9	5.4	5.0	4.5	4.0	3.5
167.5°	6.5	6.2	5.9	5.6	5.2	4.9	4.5	4.1	3.7	3.3	2.9
170°	5.2	5.0	4.7	4.4	4.2	3.9	3.6	3.3	3.0	2.7	2.3
172.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.7
175°	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
177.5°	1.3	1.2	1.2	1.1	1.0	1.0	0.9	0.8	0.7	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: P231904

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.5	0.4	0.3	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.3
5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
7.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.0
10°	2.0	1.7	1.3	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.3
12.5°	2.5	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
15°	3.1	2.6	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
17.5°	3.4	2.9	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
20°	3.9	3.3	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
22.5°	4.3	3.6	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
25°	4.7	3.9	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
27.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
30°	5.4	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
32.5°	5.8	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
35°	6.0	4.9	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
37.5°	6.2	5.2	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
40°	6.6	5.5	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
42.5°	6.8	5.7	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
45°	7.3	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
47.5°	7.4	6.3	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
50°	8.1	6.8	5.5	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.5
52.5°	8.8	7.2	5.7	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.7
55°	8.7	7.2	5.7	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.7
57.5°	8.7	7.1	5.6	4.1	2.7	1.3	0.0	1.3	2.7	4.1	5.6
60°	8.5	7.0	5.4	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.4
62.5°	8.2	6.7	5.2	3.8	2.5	1.2	0.0	1.2	2.5	3.8	5.2
65°	7.9	6.4	5.0	3.6	2.3	1.2	0.0	1.2	2.3	3.6	5.0
67.5°	7.5	6.0	4.6	3.3	2.1	1.0	0.0	1.0	2.1	3.3	4.6
70°	6.9	5.4	4.1	3.0	1.9	0.9	0.0	0.9	1.9	3.0	4.1
72.5°	6.3	4.9	3.7	2.5	1.5	0.7	0.0	0.7	1.5	2.5	3.7
75°	6.1	4.6	3.1	2.2	1.5	0.8	0.0	0.8	1.5	2.2	3.1
77.5°	5.5	3.8	2.8	1.8	0.7	0.1	0.0	0.1	0.7	1.8	2.8
80°	4.6	3.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
82.5°	4.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.6	3.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
102.5°	5.5	3.8	2.8	1.8	0.7	0.1	0.0	0.1	0.7	1.8	2.8
105°	6.1	4.6	3.1	2.2	1.5	0.8	0.0	0.8	1.5	2.2	3.1
107.5°	6.3	4.9	3.7	2.5	1.5	0.7	0.0	0.7	1.5	2.5	3.7
110°	6.9	5.4	4.1	3.0	1.9	0.9	0.0	0.9	1.9	3.0	4.1



TEST NUMBER: P231904

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	7.5	6.0	4.6	3.3	2.1	1.0	0.0	1.0	2.1	3.3	4.6
115°	7.9	6.4	5.0	3.6	2.3	1.2	0.0	1.2	2.3	3.6	5.0
117.5°	8.2	6.7	5.2	3.8	2.5	1.2	0.0	1.2	2.5	3.8	5.2
120°	8.5	7.0	5.4	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.4
122.5°	8.7	7.1	5.6	4.1	2.7	1.3	0.0	1.3	2.7	4.1	5.6
125°	8.7	7.2	5.7	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.7
127.5°	8.8	7.2	5.7	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.7
130°	8.1	6.8	5.5	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.5
132.5°	7.4	6.3	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
135°	7.3	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
137.5°	6.8	5.7	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
140°	6.6	5.5	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
142.5°	6.2	5.2	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
145°	6.0	4.9	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
147.5°	5.8	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
150°	5.4	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
152.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
155°	4.7	3.9	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
157.5°	4.3	3.6	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
160°	3.9	3.3	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
162.5°	3.4	2.9	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
165°	3.1	2.6	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
167.5°	2.5	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
170°	2.0	1.7	1.3	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.3
172.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.0
175°	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
177.5°	0.5	0.4	0.3	0.3	0.2	0.1	0.0	0.1	0.2	0.3	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: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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	0.7	0.8	0.9	1.0	1.0	1.1	1.2
5°	0.8	1.0	1.2	1.3	1.5	1.6	1.8	1.9	2.1	2.2	2.3
7.5°	1.3	1.5	1.7	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.5
10°	1.7	2.0	2.3	2.7	3.0	3.3	3.6	3.9	4.2	4.4	4.7
12.5°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.9	5.2	5.6	5.9
15°	2.6	3.1	3.5	4.0	4.5	5.0	5.4	5.9	6.3	6.7	7.1
17.5°	2.9	3.4	4.0	4.6	5.2	5.7	6.3	6.9	7.4	7.9	8.4
20°	3.3	3.9	4.6	5.2	5.8	6.4	7.0	7.6	8.2	8.8	9.5
22.5°	3.6	4.3	5.0	5.7	6.5	7.2	7.9	8.5	9.1	9.7	10.3
25°	3.9	4.7	5.5	6.2	6.9	7.6	8.4	9.2	10.0	10.8	11.6
27.5°	4.2	5.0	5.9	6.8	7.7	8.5	9.3	10.0	10.7	11.5	12.4
30°	4.6	5.4	6.3	7.1	8.0	8.9	9.9	10.8	11.8	12.5	13.3
32.5°	4.8	5.8	6.8	7.8	8.8	9.6	10.5	11.3	12.3	13.3	14.4
35°	4.9	6.0	7.0	8.1	9.1	10.2	11.3	12.3	13.2	14.0	15.0
37.5°	5.2	6.2	7.2	8.2	9.3	10.5	11.6	12.8	14.0	15.2	16.0
40°	5.5	6.6	7.8	8.9	9.9	10.8	11.9	13.1	14.4	15.7	16.9
42.5°	5.7	6.8	7.9	9.1	10.4	11.7	12.7	13.7	14.8	16.2	17.5
45°	6.0	7.3	8.6	9.7	10.7	11.8	13.2	14.6	15.8	16.9	18.1
47.5°	6.3	7.4	8.7	10.0	11.4	12.6	13.6	14.8	16.4	17.9	19.0
50°	6.8	8.1	9.3	10.4	11.5	13.0	14.4	15.5	16.7	18.3	20.0
52.5°	7.2	8.8	10.1	11.2	12.2	13.4	14.7	16.2	17.5	18.7	20.4
55°	7.2	8.7	10.3	11.8	13.0	13.9	15.1	16.7	18.1	19.5	20.9
57.5°	7.1	8.7	10.2	11.6	13.2	14.8	15.7	16.9	18.7	20.3	21.7
60°	7.0	8.5	10.1	11.7	13.1	14.8	16.6	17.6	18.8	21.0	22.7
62.5°	6.7	8.2	9.8	11.5	13.4	14.9	16.6	18.6	19.6	21.3	23.8
65°	6.4	7.9	9.5	11.2	13.2	15.3	16.8	18.4	20.5	21.8	24.4
67.5°	6.0	7.5	9.1	10.9	12.9	15.0	16.8	18.3	20.4	22.5	24.7
70°	5.4	6.9	8.7	10.6	12.4	14.2	16.1	18.0	20.2	22.7	25.2
72.5°	4.9	6.3	8.1	9.9	11.6	13.4	15.5	17.5	19.9	22.7	25.5
75°	4.6	6.1	7.3	9.1	10.9	12.7	14.8	17.1	19.3	22.7	25.6
77.5°	3.8	5.5	6.9	8.5	10.4	12.3	14.1	16.9	18.9	22.5	26.0
80°	3.3	4.6	6.4	8.1	10.0	12.0	13.7	16.2	18.8	22.3	26.4
82.5°	2.4	4.1	5.9	7.7	9.4	11.2	13.0	15.5	18.6	22.2	26.8
85°	1.1	3.7	5.5	7.1	8.7	10.5	12.4	14.9	18.4	22.2	27.3
87.5°	0.3	3.6	5.5	6.8	8.1	10.0	11.9	14.5	18.2	22.5	28.0
90°	0.0	3.8	5.8	6.7	7.7	9.6	11.5	14.4	18.3	23.1	28.9
92.5°	0.3	3.6	5.5	6.8	8.1	10.0	11.9	14.5	18.2	22.5	28.0
95°	1.1	3.7	5.5	7.1	8.7	10.5	12.4	14.9	18.4	22.2	27.3
97.5°	2.4	4.1	5.9	7.7	9.4	11.2	13.0	15.5	18.6	22.2	26.8
100°	3.3	4.6	6.4	8.1	10.0	12.0	13.7	16.2	18.8	22.3	26.4
102.5°	3.8	5.5	6.9	8.5	10.4	12.3	14.1	16.9	18.9	22.5	26.0
105°	4.6	6.1	7.3	9.1	10.9	12.7	14.8	17.1	19.3	22.7	25.6
107.5°	4.9	6.3	8.1	9.9	11.6	13.4	15.5	17.5	19.9	22.7	25.5
110°	5.4	6.9	8.7	10.6	12.4	14.2	16.1	18.0	20.2	22.7	25.2



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	6.0	7.5	9.1	10.9	12.9	15.0	16.8	18.3	20.4	22.5	24.7
115°	6.4	7.9	9.5	11.2	13.2	15.3	16.8	18.4	20.5	21.8	24.4
117.5°	6.7	8.2	9.8	11.5	13.4	14.9	16.6	18.6	19.6	21.3	23.8
120°	7.0	8.5	10.1	11.7	13.1	14.8	16.6	17.6	18.8	21.0	22.7
122.5°	7.1	8.7	10.2	11.6	13.2	14.8	15.7	16.9	18.7	20.3	21.7
125°	7.2	8.7	10.3	11.8	13.0	13.9	15.1	16.7	18.1	19.5	20.9
127.5°	7.2	8.8	10.1	11.2	12.2	13.4	14.7	16.2	17.5	18.7	20.4
130°	6.8	8.1	9.3	10.4	11.5	13.0	14.4	15.5	16.7	18.3	20.0
132.5°	6.3	7.4	8.7	10.0	11.4	12.6	13.6	14.8	16.4	17.9	19.0
135°	6.0	7.3	8.6	9.7	10.7	11.8	13.2	14.6	15.8	16.9	18.1
137.5°	5.7	6.8	7.9	9.1	10.4	11.7	12.7	13.7	14.8	16.2	17.5
140°	5.5	6.6	7.8	8.9	9.9	10.8	11.9	13.1	14.4	15.7	16.9
142.5°	5.2	6.2	7.2	8.2	9.3	10.5	11.6	12.8	14.0	15.2	16.0
145°	4.9	6.0	7.0	8.1	9.1	10.2	11.3	12.3	13.2	14.0	15.0
147.5°	4.8	5.8	6.8	7.8	8.8	9.6	10.5	11.3	12.3	13.3	14.4
150°	4.6	5.4	6.3	7.1	8.0	8.9	9.9	10.8	11.8	12.5	13.3
152.5°	4.2	5.0	5.9	6.8	7.7	8.5	9.3	10.0	10.7	11.5	12.4
155°	3.9	4.7	5.5	6.2	6.9	7.6	8.4	9.2	10.0	10.8	11.6
157.5°	3.6	4.3	5.0	5.7	6.5	7.2	7.9	8.5	9.1	9.7	10.3
160°	3.3	3.9	4.6	5.2	5.8	6.4	7.0	7.6	8.2	8.8	9.5
162.5°	2.9	3.4	4.0	4.6	5.2	5.7	6.3	6.9	7.4	7.9	8.4
165°	2.6	3.1	3.5	4.0	4.5	5.0	5.4	5.9	6.3	6.7	7.1
167.5°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.9	5.2	5.6	5.9
170°	1.7	2.0	2.3	2.7	3.0	3.3	3.6	3.9	4.2	4.4	4.7
172.5°	1.3	1.5	1.7	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.5
175°	0.8	1.0	1.2	1.3	1.5	1.6	1.8	1.9	2.1	2.2	2.3
177.5°	0.4	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.0	1.1	1.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7
5°	2.5	2.6	2.7	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.5
7.5°	3.7	3.9	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.1	5.2
10°	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.8	7.0
12.5°	6.2	6.5	6.9	7.1	7.4	7.7	7.9	8.1	8.4	8.6	8.7
15°	7.5	7.9	8.2	8.6	8.9	9.2	9.5	9.8	10.0	10.3	10.5
17.5°	8.8	9.2	9.7	10.1	10.4	10.8	11.1	11.4	11.7	12.0	12.3
20°	10.1	10.6	11.1	11.5	12.0	12.4	12.8	13.1	13.5	13.8	14.0
22.5°	11.0	11.7	12.4	13.1	13.5	14.0	14.4	14.8	15.2	15.5	15.8
25°	12.2	12.7	13.3	14.1	14.9	15.6	16.1	16.5	16.9	17.3	18.2
27.5°	13.2	14.1	14.7	15.3	15.9	16.8	18.0	19.2	20.3	21.6	23.0
30°	13.9	14.9	15.9	17.0	17.9	19.0	20.4	21.9	23.5	25.2	27.0
32.5°	15.2	16.0	17.0	18.3	19.7	21.0	22.4	24.1	26.0	28.1	30.4
35°	16.2	17.4	18.4	19.4	20.9	22.5	24.2	26.0	28.1	30.5	33.2
37.5°	16.9	18.2	19.5	20.7	22.0	23.6	25.5	27.6	29.9	32.5	35.4
40°	18.0	19.0	20.2	21.7	23.1	24.6	26.5	28.7	31.4	34.3	37.5
42.5°	18.8	20.0	21.2	22.5	24.1	25.7	27.5	29.8	32.5	35.8	39.4
45°	19.5	20.8	22.1	23.4	24.9	26.6	28.5	30.7	33.5	37.0	41.0
47.5°	20.3	21.6	22.9	24.3	25.8	27.6	29.4	31.7	34.5	37.8	42.3
50°	21.2	22.5	23.9	25.2	26.7	28.5	30.4	32.8	36.3	40.0	44.1
52.5°	22.2	23.5	24.9	26.3	27.6	30.4	33.6	36.8	40.1	43.4	46.6
55°	22.7	24.6	26.2	28.5	31.2	34.1	37.5	41.0	44.3	47.2	49.9
57.5°	23.2	25.9	28.6	31.4	34.5	37.7	41.3	45.0	48.8	51.5	53.7
60°	24.8	27.3	30.6	33.8	37.3	41.1	45.0	49.0	53.1	56.0	57.9
62.5°	26.0	28.6	32.0	35.9	39.7	44.2	48.5	52.9	57.3	60.8	62.4
65°	27.1	29.8	33.2	37.6	42.0	46.9	51.9	56.7	61.4	65.8	67.3
67.5°	28.0	30.9	34.5	39.0	44.0	49.3	55.1	60.6	65.6	70.6	72.2
70°	28.4	31.9	35.6	40.3	45.8	51.5	58.1	64.2	69.7	74.6	75.9
72.5°	28.9	32.7	36.6	41.5	47.5	53.4	59.8	65.7	70.4	74.3	75.7
75°	29.4	33.6	37.8	42.8	48.7	54.6	60.7	66.6	71.1	74.3	75.6
77.5°	29.9	34.4	39.0	44.2	50.1	56.0	61.9	67.7	72.1	74.6	75.6
80°	30.6	35.3	40.3	45.6	51.7	57.6	63.3	69.0	73.4	75.2	75.7
82.5°	31.3	36.3	41.8	47.1	53.6	59.5	64.9	70.5	74.8	76.0	75.8
85°	32.2	37.5	43.3	48.8	55.7	61.6	66.8	72.2	76.4	76.9	75.9
87.5°	33.3	38.8	45.1	50.7	58.1	63.9	68.9	74.0	78.1	77.9	76.0
90°	34.6	40.4	47.1	52.9	60.6	66.4	71.2	76.0	79.8	78.9	76.0
92.5°	33.3	38.8	45.1	50.7	58.1	63.9	68.9	74.0	78.1	77.9	76.0
95°	32.2	37.5	43.3	48.8	55.7	61.6	66.8	72.2	76.4	76.9	75.9
97.5°	31.3	36.3	41.8	47.1	53.6	59.5	64.9	70.5	74.8	76.0	75.8
100°	30.6	35.3	40.3	45.6	51.7	57.6	63.3	69.0	73.4	75.2	75.7
102.5°	29.9	34.4	39.0	44.2	50.1	56.0	61.9	67.7	72.1	74.6	75.6
105°	29.4	33.6	37.8	42.8	48.7	54.6	60.7	66.6	71.1	74.3	75.6
107.5°	28.9	32.7	36.6	41.5	47.5	53.4	59.8	65.7	70.4	74.3	75.7
110°	28.4	31.9	35.6	40.3	45.8	51.5	58.1	64.2	69.7	74.6	75.9



TEST NUMBER: P231904

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	28.0	30.9	34.5	39.0	44.0	49.3	55.1	60.6	65.6	70.6	72.2
115°	27.1	29.8	33.2	37.6	42.0	46.9	51.9	56.7	61.4	65.8	67.3
117.5°	26.0	28.6	32.0	35.9	39.7	44.2	48.5	52.9	57.3	60.8	62.4
120°	24.8	27.3	30.6	33.8	37.3	41.1	45.0	49.0	53.1	56.0	57.9
122.5°	23.2	25.9	28.6	31.4	34.5	37.7	41.3	45.0	48.8	51.5	53.7
125°	22.7	24.6	26.2	28.5	31.2	34.1	37.5	41.0	44.3	47.2	49.9
127.5°	22.2	23.5	24.9	26.3	27.6	30.4	33.6	36.8	40.1	43.4	46.6
130°	21.2	22.5	23.9	25.2	26.7	28.5	30.4	32.8	36.3	40.0	44.1
132.5°	20.3	21.6	22.9	24.3	25.8	27.6	29.4	31.7	34.5	37.8	42.3
135°	19.5	20.8	22.1	23.4	24.9	26.6	28.5	30.7	33.5	37.0	41.0
137.5°	18.8	20.0	21.2	22.5	24.1	25.7	27.5	29.8	32.5	35.8	39.4
140°	18.0	19.0	20.2	21.7	23.1	24.6	26.5	28.7	31.4	34.3	37.5
142.5°	16.9	18.2	19.5	20.7	22.0	23.6	25.5	27.6	29.9	32.5	35.4
145°	16.2	17.4	18.4	19.4	20.9	22.5	24.2	26.0	28.1	30.5	33.2
147.5°	15.2	16.0	17.0	18.3	19.7	21.0	22.4	24.1	26.0	28.1	30.4
150°	13.9	14.9	15.9	17.0	17.9	19.0	20.4	21.9	23.5	25.2	27.0
152.5°	13.2	14.1	14.7	15.3	15.9	16.8	18.0	19.2	20.3	21.6	23.0
155°	12.2	12.7	13.3	14.1	14.9	15.6	16.1	16.5	16.9	17.3	18.2
157.5°	11.0	11.7	12.4	13.1	13.5	14.0	14.4	14.8	15.2	15.5	15.8
160°	10.1	10.6	11.1	11.5	12.0	12.4	12.8	13.1	13.5	13.8	14.0
162.5°	8.8	9.2	9.7	10.1	10.4	10.8	11.1	11.4	11.7	12.0	12.3
165°	7.5	7.9	8.2	8.6	8.9	9.2	9.5	9.8	10.0	10.3	10.5
167.5°	6.2	6.5	6.9	7.1	7.4	7.7	7.9	8.1	8.4	8.6	8.7
170°	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.8	7.0
172.5°	3.7	3.9	4.1	4.3	4.4	4.6	4.7	4.9	5.0	5.1	5.2
175°	2.5	2.6	2.7	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.5
177.5°	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.2
5°	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	4.3
7.5°	5.3	5.4	5.5	5.6	5.6	5.7	5.7	5.7	5.8	5.8	6.5
10°	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.7	8.7
12.5°	8.9	9.0	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.6	10.9
15°	10.7	10.9	11.0	11.2	11.3	11.4	11.4	11.5	11.5	11.5	13.0
17.5°	12.5	12.7	12.9	13.0	13.2	13.3	13.3	13.4	13.4	13.5	15.2
20°	14.3	14.5	14.7	14.9	15.0	15.2	15.3	15.3	15.4	15.4	17.3
22.5°	16.1	16.4	16.6	16.8	16.9	17.1	17.2	17.2	17.3	17.3	19.5
25°	19.2	20.2	21.2	22.0	22.7	23.1	23.4	23.6	23.6	23.5	25.8
27.5°	24.4	25.8	27.2	28.4	29.3	29.9	30.1	30.1	29.9	29.7	32.0
30°	29.0	31.0	32.8	34.7	35.8	36.8	36.8	36.6	36.3	35.9	38.3
32.5°	32.8	35.5	38.1	40.4	42.2	43.4	43.6	43.2	42.7	42.1	44.5
35°	36.1	39.4	42.9	45.8	48.5	50.0	50.4	49.9	49.2	48.3	50.6
37.5°	39.0	42.9	47.1	50.9	54.7	56.4	57.4	56.6	55.6	54.5	56.8
40°	41.3	45.8	50.8	55.7	60.0	62.8	64.4	63.3	62.1	60.7	62.9
42.5°	43.1	48.4	54.1	60.4	65.3	69.1	71.4	70.1	68.6	66.9	69.0
45°	45.2	50.6	57.0	64.0	70.3	75.4	77.9	76.9	75.1	73.1	75.1
47.5°	47.0	52.0	58.3	65.1	71.5	77.0	79.8	80.0	79.3	78.9	82.9
50°	48.4	52.4	58.2	64.7	71.2	77.3	81.2	82.8	83.4	84.6	90.9
52.5°	50.3	53.8	58.6	64.5	71.0	77.4	82.3	85.3	87.3	90.4	99.0
55°	52.8	55.6	59.2	64.5	70.9	77.5	83.4	87.8	91.1	96.2	107.2
57.5°	55.8	57.8	60.3	64.9	70.9	77.6	84.3	90.0	94.9	101.9	115.6
60°	59.3	60.4	61.8	65.7	71.1	77.8	85.1	92.1	98.5	107.7	124.0
62.5°	63.2	63.4	63.9	66.8	71.5	78.0	85.9	94.2	102.1	113.5	132.6
65°	67.4	66.8	66.4	68.1	72.1	78.2	86.6	96.1	105.6	119.2	141.2
67.5°	71.9	70.5	69.1	69.6	72.8	78.5	87.2	97.9	109.0	125.0	149.9
70°	74.7	72.2	69.9	69.6	72.3	77.8	86.4	97.0	108.1	124.4	149.1
72.5°	74.3	71.8	69.4	69.0	71.6	77.0	85.5	96.0	107.2	123.7	148.2
75°	74.0	71.3	68.9	68.4	70.8	76.2	84.8	95.1	106.4	123.1	148.1
77.5°	73.8	70.7	68.2	67.9	70.1	75.6	84.1	94.2	105.6	122.5	146.9
80°	73.5	70.1	67.5	67.3	69.5	74.9	83.5	93.3	104.8	121.8	145.6
82.5°	73.2	69.5	66.8	66.8	68.9	74.4	83.0	92.5	104.0	121.2	144.3
85°	72.9	68.8	66.0	66.3	68.3	73.9	82.5	91.8	103.3	120.6	143.0
87.5°	72.5	68.1	65.2	65.8	67.8	73.5	82.1	91.1	102.7	119.9	141.7
90°	72.1	67.3	64.4	65.4	67.3	73.1	81.8	90.4	102.0	119.3	140.4
92.5°	72.5	68.1	65.2	65.8	67.8	73.5	82.1	91.1	102.7	119.9	141.7
95°	72.9	68.8	66.0	66.3	68.3	73.9	82.5	91.8	103.3	120.6	143.0
97.5°	73.2	69.5	66.8	66.8	68.9	74.4	83.0	92.5	104.0	121.2	144.3
100°	73.5	70.1	67.5	67.3	69.5	74.9	83.5	93.3	104.8	121.8	145.6
102.5°	73.8	70.7	68.2	67.9	70.1	75.6	84.1	94.2	105.6	122.5	146.9
105°	74.0	71.3	68.9	68.4	70.8	76.2	84.8	95.1	106.4	123.1	148.1
107.5°	74.3	71.8	69.4	69.0	71.6	77.0	85.5	96.0	107.2	123.7	148.2
110°	74.7	72.2	69.9	69.6	72.3	77.8	86.4	97.0	108.1	124.4	149.1



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	71.9	70.5	69.1	69.6	72.8	78.5	87.2	97.9	109.0	125.0	149.9
115°	67.4	66.8	66.4	68.1	72.1	78.2	86.6	96.1	105.6	119.2	141.2
117.5°	63.2	63.4	63.9	66.8	71.5	78.0	85.9	94.2	102.1	113.5	132.6
120°	59.3	60.4	61.8	65.7	71.1	77.8	85.1	92.1	98.5	107.7	124.0
122.5°	55.8	57.8	60.3	64.9	70.9	77.6	84.3	90.0	94.9	101.9	115.6
125°	52.8	55.6	59.2	64.5	70.9	77.5	83.4	87.8	91.1	96.2	107.2
127.5°	50.3	53.8	58.6	64.5	71.0	77.4	82.3	85.3	87.3	90.4	99.0
130°	48.4	52.4	58.2	64.7	71.2	77.3	81.2	82.8	83.4	84.6	90.9
132.5°	47.0	52.0	58.3	65.1	71.5	77.0	79.8	80.0	79.3	78.9	82.9
135°	45.2	50.6	57.0	64.0	70.3	75.4	77.9	76.9	75.1	73.1	75.1
137.5°	43.1	48.4	54.1	60.4	65.3	69.1	71.4	70.1	68.6	66.9	69.0
140°	41.3	45.8	50.8	55.7	60.0	62.8	64.4	63.3	62.1	60.7	62.9
142.5°	39.0	42.9	47.1	50.9	54.7	56.4	57.4	56.6	55.6	54.5	56.8
145°	36.1	39.4	42.9	45.8	48.5	50.0	50.4	49.9	49.2	48.3	50.6
147.5°	32.8	35.5	38.1	40.4	42.2	43.4	43.6	43.2	42.7	42.1	44.5
150°	29.0	31.0	32.8	34.7	35.8	36.8	36.8	36.6	36.3	35.9	38.3
152.5°	24.4	25.8	27.2	28.4	29.3	29.9	30.1	30.1	29.9	29.7	32.0
155°	19.2	20.2	21.2	22.0	22.7	23.1	23.4	23.6	23.6	23.5	25.8
157.5°	16.1	16.4	16.6	16.8	16.9	17.1	17.2	17.2	17.3	17.3	19.5
160°	14.3	14.5	14.7	14.9	15.0	15.2	15.3	15.3	15.4	15.4	17.3
162.5°	12.5	12.7	12.9	13.0	13.2	13.3	13.3	13.4	13.4	13.5	15.2
165°	10.7	10.9	11.0	11.2	11.3	11.4	11.4	11.5	11.5	11.5	13.0
167.5°	8.9	9.0	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.6	10.9
170°	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.7	8.7
172.5°	5.3	5.4	5.5	5.6	5.6	5.7	5.7	5.7	5.8	5.8	6.5
175°	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	4.3
177.5°	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.2
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: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	2.4	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2	4.4	4.6
5°	4.8	5.3	5.8	6.3	6.7	7.2	7.6	8.0	8.4	8.8	9.1
7.5°	7.3	8.0	8.7	9.4	10.1	10.7	11.4	12.3	13.2	14.1	14.9
10°	9.7	10.6	11.6	12.5	13.5	14.8	16.0	17.2	18.4	19.6	20.7
12.5°	12.1	13.3	14.5	15.8	17.4	19.0	20.5	22.0	23.4	24.8	26.1
15°	14.5	15.9	17.4	19.4	21.3	23.1	24.9	26.6	28.2	29.7	31.5
17.5°	16.9	18.6	20.6	22.9	25.0	27.1	29.0	30.9	32.7	34.5	36.2
20°	19.3	21.2	23.8	26.3	28.7	30.9	33.0	35.1	37.1	39.1	41.0
22.5°	21.7	24.1	26.9	29.7	32.1	34.5	36.8	39.0	41.2	43.4	45.7
25°	27.9	30.5	33.4	36.0	38.2	40.3	42.2	44.1	45.8	47.6	50.0
27.5°	34.2	37.2	40.3	43.0	45.3	47.5	49.5	51.3	53.3	55.1	56.4
30°	40.5	43.9	47.2	49.9	52.6	54.5	56.4	58.5	60.5	61.9	63.1
32.5°	46.9	50.5	53.8	56.7	59.2	61.2	63.3	65.5	67.2	68.4	70.1
35°	53.3	57.1	60.5	63.5	65.7	67.8	70.0	72.2	73.3	74.8	77.1
37.5°	59.6	63.6	67.0	70.1	72.0	74.2	76.6	78.2	79.4	81.3	83.7
40°	66.0	70.1	73.6	76.4	78.2	80.6	82.9	83.9	85.3	87.3	90.9
42.5°	72.3	76.5	80.0	82.5	84.2	86.9	88.5	89.4	91.1	93.8	97.6
45°	78.5	82.8	86.5	88.5	90.4	93.0	93.9	94.9	96.4	100.1	104.3
47.5°	88.6	94.7	99.8	101.8	102.7	103.0	101.9	101.0	102.3	106.4	110.7
50°	99.2	107.7	114.9	118.5	118.7	117.8	116.7	116.1	116.9	118.4	120.1
52.5°	110.1	121.1	130.2	135.7	134.0	132.6	131.7	131.4	132.6	133.9	136.4
55°	121.2	135.0	146.0	152.3	148.7	147.3	146.8	147.0	147.9	149.0	151.7
57.5°	132.7	149.1	162.2	168.1	163.1	162.0	161.9	162.3	163.0	163.9	166.2
60°	144.3	163.6	178.7	183.5	177.9	176.7	177.0	177.4	177.6	178.3	179.5
62.5°	156.1	178.3	195.5	198.6	192.6	191.7	192.2	192.3	191.9	192.0	191.9
65°	168.1	193.3	212.5	213.3	207.3	206.7	207.2	206.8	205.9	205.0	203.5
67.5°	180.1	208.4	229.8	227.9	221.9	221.8	222.1	221.1	219.4	217.3	214.2
70°	179.9	209.7	233.5	234.0	231.4	231.9	232.2	231.8	230.6	228.3	224.3
72.5°	179.2	209.9	235.5	239.1	239.1	238.7	237.8	237.0	235.1	231.7	228.0
75°	178.3	209.9	237.5	245.1	246.9	245.1	243.2	242.2	239.4	234.9	231.0
77.5°	177.3	209.8	239.4	251.7	254.7	251.3	248.4	247.3	243.5	238.0	234.1
80°	177.1	209.5	241.3	258.8	262.6	257.3	253.6	252.5	247.5	241.1	237.3
82.5°	175.4	210.0	244.3	266.2	270.5	263.2	258.7	257.6	251.4	244.2	240.6
85°	173.6	209.0	245.2	274.3	278.6	268.7	263.7	262.8	255.3	247.3	244.0
87.5°	171.9	207.9	246.2	281.4	286.4	274.8	268.9	268.0	259.3	250.4	247.4
90°	170.2	206.8	247.2	288.5	294.3	280.8	274.1	273.2	263.5	253.9	251.0
92.5°	171.9	207.9	246.2	281.4	286.4	274.8	268.9	268.0	259.3	250.4	247.4
95°	173.6	209.0	245.2	274.3	278.6	268.7	263.7	262.8	255.3	247.3	244.0
97.5°	175.4	210.0	244.3	266.2	270.5	263.2	258.7	257.6	251.4	244.2	240.6
100°	177.1	209.5	241.3	258.8	262.6	257.3	253.6	252.5	247.5	241.1	237.3
102.5°	177.3	209.8	239.4	251.7	254.7	251.3	248.4	247.3	243.5	238.0	234.1
105°	178.3	209.9	237.5	245.1	246.9	245.1	243.2	242.2	239.4	234.9	231.0
107.5°	179.2	209.9	235.5	239.1	239.1	238.7	237.8	237.0	235.1	231.7	228.0
110°	179.9	209.7	233.5	234.0	231.4	231.9	232.2	231.8	230.6	228.3	224.3



TEST NUMBER: P231904

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	180.1	208.4	229.8	227.9	221.9	221.8	222.1	221.1	219.4	217.3	214.2
115°	168.1	193.3	212.5	213.3	207.3	206.7	207.2	206.8	205.9	205.0	203.5
117.5°	156.1	178.3	195.5	198.6	192.6	191.7	192.2	192.3	191.9	192.0	191.9
120°	144.3	163.6	178.7	183.5	177.9	176.7	177.0	177.4	177.6	178.3	179.5
122.5°	132.7	149.1	162.2	168.1	163.1	162.0	161.9	162.3	163.0	163.9	166.2
125°	121.2	135.0	146.0	152.3	148.7	147.3	146.8	147.0	147.9	149.0	151.7
127.5°	110.1	121.1	130.2	135.7	134.0	132.6	131.7	131.4	132.6	133.9	136.4
130°	99.2	107.7	114.9	118.5	118.7	117.8	116.7	116.1	116.9	118.4	120.1
132.5°	88.6	94.7	99.8	101.8	102.7	103.0	101.9	101.0	102.3	106.4	110.7
135°	78.5	82.8	86.5	88.5	90.4	93.0	93.9	94.9	96.4	100.1	104.3
137.5°	72.3	76.5	80.0	82.5	84.2	86.9	88.5	89.4	91.1	93.8	97.6
140°	66.0	70.1	73.6	76.4	78.2	80.6	82.9	83.9	85.3	87.3	90.9
142.5°	59.6	63.6	67.0	70.1	72.0	74.2	76.6	78.2	79.4	81.3	83.7
145°	53.3	57.1	60.5	63.5	65.7	67.8	70.0	72.2	73.3	74.8	77.1
147.5°	46.9	50.5	53.8	56.7	59.2	61.2	63.3	65.5	67.2	68.4	70.1
150°	40.5	43.9	47.2	49.9	52.6	54.5	56.4	58.5	60.5	61.9	63.1
152.5°	34.2	37.2	40.3	43.0	45.3	47.5	49.5	51.3	53.3	55.1	56.4
155°	27.9	30.5	33.4	36.0	38.2	40.3	42.2	44.1	45.8	47.6	50.0
157.5°	21.7	24.1	26.9	29.7	32.1	34.5	36.8	39.0	41.2	43.4	45.7
160°	19.3	21.2	23.8	26.3	28.7	30.9	33.0	35.1	37.1	39.1	41.0
162.5°	16.9	18.6	20.6	22.9	25.0	27.1	29.0	30.9	32.7	34.5	36.2
165°	14.5	15.9	17.4	19.4	21.3	23.1	24.9	26.6	28.2	29.7	31.5
167.5°	12.1	13.3	14.5	15.8	17.4	19.0	20.5	22.0	23.4	24.8	26.1
170°	9.7	10.6	11.6	12.5	13.5	14.8	16.0	17.2	18.4	19.6	20.7
172.5°	7.3	8.0	8.7	9.4	10.1	10.7	11.4	12.3	13.2	14.1	14.9
175°	4.8	5.3	5.8	6.3	6.7	7.2	7.6	8.0	8.4	8.8	9.1
177.5°	2.4	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2	4.4	4.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231904

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.7	4.9	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9	5.9
5°	9.7	10.2	10.7	11.2	11.6	12.0	12.4	12.8	13.1	13.4	13.7
7.5°	15.8	16.5	17.3	18.0	18.6	19.2	19.8	20.4	20.9	21.3	21.8
10°	21.7	22.7	23.6	24.5	25.4	26.2	27.0	27.7	28.4	29.0	29.6
12.5°	27.3	28.5	29.7	30.8	31.9	32.9	33.9	34.8	35.6	36.5	37.4
15°	32.7	34.2	35.5	36.9	38.2	39.6	40.9	42.3	43.5	44.7	45.8
17.5°	37.9	39.7	41.3	43.0	44.7	46.4	47.9	49.4	50.8	52.2	53.5
20°	43.0	45.0	47.0	48.9	50.6	52.3	54.0	55.8	57.5	59.1	60.6
22.5°	47.9	50.0	51.9	53.8	55.8	58.0	60.2	62.3	64.1	65.5	66.7
25°	52.1	54.1	56.3	58.8	61.5	64.1	66.5	68.7	70.5	72.2	73.9
27.5°	57.5	59.0	61.3	64.4	67.8	70.9	74.0	76.6	79.2	81.3	83.1
30°	64.9	67.2	69.6	72.7	75.7	79.3	83.1	86.4	89.3	91.6	93.8
32.5°	72.4	75.2	78.5	81.9	85.9	89.8	93.6	97.2	100.4	103.1	105.6
35°	79.8	83.4	87.2	91.4	95.7	100.1	104.3	108.3	112.0	115.7	119.4
37.5°	87.5	91.4	95.9	100.6	105.6	110.4	115.0	119.5	124.2	129.2	133.3
40°	94.8	99.4	104.4	109.9	115.4	120.6	125.9	131.2	136.6	142.0	147.6
42.5°	102.2	107.1	113.2	119.2	125.1	131.0	136.7	143.1	149.8	156.5	163.9
45°	109.0	115.4	121.9	128.4	134.8	141.0	148.2	155.3	163.1	171.8	182.0
47.5°	116.5	123.4	130.6	137.4	144.0	151.8	159.6	167.6	177.4	188.3	202.0
50°	124.5	131.5	139.0	146.0	154.0	162.3	170.4	180.5	192.5	207.1	223.6
52.5°	140.2	144.8	149.2	154.8	164.3	171.7	181.5	193.7	208.9	227.1	249.1
55°	154.9	158.5	162.4	168.1	174.3	181.2	192.4	207.7	226.1	249.2	275.1
57.5°	168.4	170.9	174.4	179.6	185.6	195.7	207.4	221.9	245.0	271.4	301.2
60°	180.7	182.0	185.2	190.3	198.6	210.4	223.3	242.4	265.6	292.6	331.1
62.5°	191.8	192.4	194.7	200.1	212.3	224.6	239.9	260.7	286.9	322.3	362.2
65°	202.1	201.6	204.1	211.9	225.6	237.2	254.8	279.1	311.0	349.7	393.0
67.5°	211.4	209.6	212.9	224.5	237.2	249.9	268.7	295.7	333.3	374.7	421.4
70°	220.1	217.0	221.1	236.9	247.3	260.7	282.8	314.5	353.1	395.7	447.3
72.5°	224.7	223.8	231.1	247.7	256.4	269.8	295.0	330.3	368.9	414.8	467.0
75°	227.9	228.9	239.6	255.0	265.9	280.9	307.6	343.1	380.6	429.5	483.6
77.5°	231.3	234.0	247.4	262.6	275.1	292.6	320.9	355.8	394.8	442.8	496.7
80°	234.9	239.0	254.6	270.5	283.8	302.5	331.9	366.3	406.8	455.5	512.1
82.5°	238.6	244.0	261.2	278.4	292.0	310.8	340.7	374.5	415.2	464.3	523.4
85°	242.3	248.7	267.1	286.1	299.7	317.6	347.5	380.5	420.3	469.4	530.2
87.5°	246.2	253.5	272.7	293.8	307.1	323.6	353.2	385.3	423.6	472.6	534.9
90°	250.1	257.8	277.0	300.1	313.5	328.0	355.9	386.6	422.2	469.4	530.9
92.5°	246.2	253.5	272.7	293.8	307.1	323.6	353.2	385.3	423.6	472.6	534.9
95°	242.3	248.7	267.1	286.1	299.7	317.6	347.5	380.5	420.3	469.4	530.2
97.5°	238.6	244.0	261.2	278.4	292.0	310.8	340.7	374.5	415.2	464.3	523.4
100°	234.9	239.0	254.6	270.5	283.8	302.5	331.9	366.3	406.8	455.5	512.1
102.5°	231.3	234.0	247.4	262.6	275.1	292.6	320.9	355.8	394.8	442.8	496.7
105°	227.9	228.9	239.6	255.0	265.9	280.9	307.6	343.1	380.6	429.5	483.6
107.5°	224.7	223.8	231.1	247.7	256.4	269.8	295.0	330.3	368.9	414.8	467.0
110°	220.1	217.0	221.1	236.9	247.3	260.7	282.8	314.5	353.1	395.7	447.3



TEST NUMBER: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	211.4	209.6	212.9	224.5	237.2	249.9	268.7	295.7	333.3	374.7	421.4
115°	202.1	201.6	204.1	211.9	225.6	237.2	254.8	279.1	311.0	349.7	393.0
117.5°	191.8	192.4	194.7	200.1	212.3	224.6	239.9	260.7	286.9	322.3	362.2
120°	180.7	182.0	185.2	190.3	198.6	210.4	223.3	242.4	265.6	292.6	331.1
122.5°	168.4	170.9	174.4	179.6	185.6	195.7	207.4	221.9	245.0	271.4	301.2
125°	154.9	158.5	162.4	168.1	174.3	181.2	192.4	207.7	226.1	249.2	275.1
127.5°	140.2	144.8	149.2	154.8	164.3	171.7	181.5	193.7	208.9	227.1	249.1
130°	124.5	131.5	139.0	146.0	154.0	162.3	170.4	180.5	192.5	207.1	223.6
132.5°	116.5	123.4	130.6	137.4	144.0	151.8	159.6	167.6	177.4	188.3	202.0
135°	109.0	115.4	121.9	128.4	134.8	141.0	148.2	155.3	163.1	171.8	182.0
137.5°	102.2	107.1	113.2	119.2	125.1	131.0	136.7	143.1	149.8	156.5	163.9
140°	94.8	99.4	104.4	109.9	115.4	120.6	125.9	131.2	136.6	142.0	147.6
142.5°	87.5	91.4	95.9	100.6	105.6	110.4	115.0	119.5	124.2	129.2	133.3
145°	79.8	83.4	87.2	91.4	95.7	100.1	104.3	108.3	112.0	115.7	119.4
147.5°	72.4	75.2	78.5	81.9	85.9	89.8	93.6	97.2	100.4	103.1	105.6
150°	64.9	67.2	69.6	72.7	75.7	79.3	83.1	86.4	89.3	91.6	93.8
152.5°	57.5	59.0	61.3	64.4	67.8	70.9	74.0	76.6	79.2	81.3	83.1
155°	52.1	54.1	56.3	58.8	61.5	64.1	66.5	68.7	70.5	72.2	73.9
157.5°	47.9	50.0	51.9	53.8	55.8	58.0	60.2	62.3	64.1	65.5	66.7
160°	43.0	45.0	47.0	48.9	50.6	52.3	54.0	55.8	57.5	59.1	60.6
162.5°	37.9	39.7	41.3	43.0	44.7	46.4	47.9	49.4	50.8	52.2	53.5
165°	32.7	34.2	35.5	36.9	38.2	39.6	40.9	42.3	43.5	44.7	45.8
167.5°	27.3	28.5	29.7	30.8	31.9	32.9	33.9	34.8	35.6	36.5	37.4
170°	21.7	22.7	23.6	24.5	25.4	26.2	27.0	27.7	28.4	29.0	29.6
172.5°	15.8	16.5	17.3	18.0	18.6	19.2	19.8	20.4	20.9	21.3	21.8
175°	9.7	10.2	10.7	11.2	11.6	12.0	12.4	12.8	13.1	13.4	13.7
177.5°	4.7	4.9	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9	5.9
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: P231904

CATALOG NUMBER: FVS4WM-2-LD4-30-1HI-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°	6.0	6.0	6.1	6.1	6.1	6.1	6.3	6.2	6.1	6.1	6.0
5°	13.9	14.2	14.3	14.5	14.6	14.7	14.8	14.8	15.0	14.9	14.7
7.5°	22.1	22.5	22.8	23.0	23.2	23.4	23.5	23.5	23.5	23.7	23.5
10°	30.1	30.5	31.0	31.3	31.6	31.8	32.0	32.1	32.2	32.4	32.2
12.5°	38.3	39.1	39.8	40.4	41.0	41.4	41.8	42.1	42.4	42.5	42.7
15°	46.9	47.8	48.7	49.5	50.3	51.0	51.5	52.0	52.4	52.7	53.1
17.5°	54.7	55.8	56.8	57.7	58.4	59.1	59.7	60.1	60.4	60.6	60.9
20°	61.9	63.0	63.5	63.9	64.1	64.2	64.1	63.9	63.6	63.2	62.8
22.5°	67.5	68.2	68.9	69.4	69.7	69.8	69.7	69.4	68.8	68.2	67.5
25°	75.2	76.2	76.9	77.4	77.5	77.4	77.0	76.4	75.5	74.4	73.2
27.5°	84.6	85.6	86.2	86.8	87.3	87.5	87.4	87.0	86.3	85.3	84.1
30°	95.4	96.9	98.1	99.0	100.9	102.5	103.7	104.7	105.2	105.4	105.0
32.5°	108.0	111.0	113.8	116.5	119.0	121.2	123.1	124.6	125.7	126.3	126.4
35°	123.0	126.7	130.3	133.7	137.1	141.8	146.2	150.1	153.5	156.3	158.3
37.5°	137.7	142.5	148.7	155.0	161.1	167.3	172.9	177.9	182.1	185.5	188.1
40°	154.2	161.3	169.5	177.7	185.4	193.9	203.2	211.8	219.4	226.0	231.3
42.5°	172.7	181.8	192.0	204.3	216.4	228.5	242.2	254.8	266.2	276.2	284.5
45°	192.9	206.2	219.3	236.0	253.2	271.6	287.3	303.6	318.3	331.2	342.1
47.5°	216.6	234.3	252.8	272.1	294.0	315.2	337.1	359.3	380.0	398.8	415.1
50°	244.3	265.6	289.2	312.4	338.4	365.9	394.4	424.1	450.9	474.4	494.3
52.5°	273.5	299.0	328.3	357.5	390.5	426.1	461.8	495.8	524.9	549.2	568.8
55°	303.1	336.6	371.8	411.4	451.8	494.3	534.7	570.3	597.8	617.4	630.1
57.5°	337.4	377.6	420.5	467.3	517.3	566.4	616.5	645.3	662.1	673.0	678.6
60°	373.5	419.0	468.8	521.7	578.4	629.7	673.9	701.2	708.2	713.3	716.2
62.5°	407.5	458.1	513.2	572.2	625.8	673.9	707.3	732.9	739.7	744.4	746.8
65°	440.9	492.1	551.2	611.0	663.9	705.9	739.0	759.2	767.0	772.0	775.5
67.5°	472.3	526.5	585.5	647.3	702.5	750.1	775.1	785.5	789.2	793.7	798.1
70°	500.1	559.6	623.0	688.3	756.3	787.5	802.5	805.8	807.5	812.3	818.4
72.5°	524.5	588.0	657.5	730.3	785.9	814.0	819.8	822.2	826.5	831.4	837.1
75°	544.8	615.0	686.9	754.3	802.8	826.0	831.5	834.4	840.7	849.9	854.9
77.5°	560.8	637.4	705.8	771.6	815.8	835.3	840.4	843.1	855.7	865.6	867.9
80°	579.5	650.8	717.5	787.8	833.0	846.7	850.6	858.4	867.5	874.4	871.5
82.5°	593.7	663.4	735.7	802.6	841.9	855.7	861.5	868.0	873.2	876.9	878.6
85°	601.3	671.7	747.4	815.3	848.3	858.9	865.1	868.3	868.0	877.5	889.5
87.5°	605.3	674.8	751.9	823.4	853.4	859.0	858.9	862.1	869.6	883.7	887.6
90°	598.2	672.3	749.2	825.2	856.0	857.9	850.2	857.0	880.0	891.6	888.7
92.5°	605.3	674.8	751.9	823.4	853.4	859.0	858.9	862.1	869.6	883.7	887.6
95°	601.3	671.7	747.4	815.3	848.3	858.9	865.1	868.3	868.0	877.5	889.5
97.5°	593.7	663.4	735.7	802.6	841.9	855.7	861.5	868.0	873.2	876.9	878.6
100°	579.5	650.8	717.5	787.8	833.0	846.7	850.6	858.4	867.5	874.4	871.5
102.5°	560.8	637.4	705.8	771.6	815.8	835.3	840.4	843.1	855.7	865.6	867.9
105°	544.8	615.0	686.9	754.3	802.8	826.0	831.5	834.4	840.7	849.9	854.9
107.5°	524.5	588.0	657.5	730.3	785.9	814.0	819.8	822.2	826.5	831.4	837.1
110°	500.1	559.6	623.0	688.3	756.3	787.5	802.5	805.8	807.5	812.3	818.4



TEST NUMBER: P231904

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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°	472.3	526.5	585.5	647.3	702.5	750.1	775.1	785.5	789.2	793.7	798.1
115°	440.9	492.1	551.2	611.0	663.9	705.9	739.0	759.2	767.0	772.0	775.5
117.5°	407.5	458.1	513.2	572.2	625.8	673.9	707.3	732.9	739.7	744.4	746.8
120°	373.5	419.0	468.8	521.7	578.4	629.7	673.9	701.2	708.2	713.3	716.2
122.5°	337.4	377.6	420.5	467.3	517.3	566.4	616.5	645.3	662.1	673.0	678.6
125°	303.1	336.6	371.8	411.4	451.8	494.3	534.7	570.3	597.8	617.4	630.1
127.5°	273.5	299.0	328.3	357.5	390.5	426.1	461.8	495.8	524.9	549.2	568.8
130°	244.3	265.6	289.2	312.4	338.4	365.9	394.4	424.1	450.9	474.4	494.3
132.5°	216.6	234.3	252.8	272.1	294.0	315.2	337.1	359.3	380.0	398.8	415.1
135°	192.9	206.2	219.3	236.0	253.2	271.6	287.3	303.6	318.3	331.2	342.1
137.5°	172.7	181.8	192.0	204.3	216.4	228.5	242.2	254.8	266.2	276.2	284.5
140°	154.2	161.3	169.5	177.7	185.4	193.9	203.2	211.8	219.4	226.0	231.3
142.5°	137.7	142.5	148.7	155.0	161.1	167.3	172.9	177.9	182.1	185.5	188.1
145°	123.0	126.7	130.3	133.7	137.1	141.8	146.2	150.1	153.5	156.3	158.3
147.5°	108.0	111.0	113.8	116.5	119.0	121.2	123.1	124.6	125.7	126.3	126.4
150°	95.4	96.9	98.1	99.0	100.9	102.5	103.7	104.7	105.2	105.4	105.0
152.5°	84.6	85.6	86.2	86.8	87.3	87.5	87.4	87.0	86.3	85.3	84.1
155°	75.2	76.2	76.9	77.4	77.5	77.4	77.0	76.4	75.5	74.4	73.2
157.5°	67.5	68.2	68.9	69.4	69.7	69.8	69.7	69.4	68.8	68.2	67.5
160°	61.9	63.0	63.5	63.9	64.1	64.2	64.1	63.9	63.6	63.2	62.8
162.5°	54.7	55.8	56.8	57.7	58.4	59.1	59.7	60.1	60.4	60.6	60.9
165°	46.9	47.8	48.7	49.5	50.3	51.0	51.5	52.0	52.4	52.7	53.1
167.5°	38.3	39.1	39.8	40.4	41.0	41.4	41.8	42.1	42.4	42.5	42.7
170°	30.1	30.5	31.0	31.3	31.6	31.8	32.0	32.1	32.2	32.4	32.2
172.5°	22.1	22.5	22.8	23.0	23.2	23.4	23.5	23.5	23.5	23.7	23.5
175°	13.9	14.2	14.3	14.5	14.6	14.7	14.8	14.8	15.0	14.9	14.7
177.5°	6.0	6.0	6.1	6.1	6.1	6.1	6.3	6.2	6.1	6.1	6.0
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: P231904

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	5.9	5.8
5°	14.6	14.4
7.5°	23.3	23.1
10°	31.9	31.7
12.5°	42.5	42.3
15°	53.0	52.9
17.5°	60.8	60.6
20°	62.2	61.6
22.5°	66.5	65.4
25°	71.8	70.2
27.5°	82.7	80.8
30°	104.5	102.9
32.5°	126.3	125.0
35°	160.0	159.7
37.5°	190.2	190.4
40°	236.1	237.6
42.5°	292.1	295.3
45°	352.0	356.8
47.5°	430.4	438.6
50°	512.5	522.3
52.5°	585.9	594.4
55°	638.7	639.6
57.5°	681.1	677.1
60°	718.1	714.6
62.5°	746.8	744.4
65°	777.1	776.2
67.5°	801.6	803.1
70°	822.1	823.3
72.5°	839.8	839.7
75°	851.3	843.5
77.5°	859.6	849.3
80°	870.6	875.2
82.5°	882.7	885.8
85°	890.4	884.9
87.5°	892.4	886.8
90°	894.5	891.6
92.5°	892.4	886.8
95°	890.4	884.9
97.5°	882.7	885.8
100°	870.6	875.2
102.5°	859.6	849.3
105°	851.3	843.5
107.5°	839.8	839.7
110°	822.1	823.3



TEST NUMBER: P231904

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	801.6	803.1
115°	777.1	776.2
117.5°	746.8	744.4
120°	718.1	714.6
122.5°	681.1	677.1
125°	638.7	639.6
127.5°	585.9	594.4
130°	512.5	522.3
132.5°	430.4	438.6
135°	352.0	356.8
137.5°	292.1	295.3
140°	236.1	237.6
142.5°	190.2	190.4
145°	160.0	159.7
147.5°	126.3	125.0
150°	104.5	102.9
152.5°	82.7	80.8
155°	71.8	70.2
157.5°	66.5	65.4
160°	62.2	61.6
162.5°	60.8	60.6
165°	53.0	52.9
167.5°	42.5	42.3
170°	31.9	31.7
172.5°	23.3	23.1
175°	14.6	14.4
177.5°	5.9	5.8
180°	0.0	0.0

(END OF REPORT)