

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: P231899

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-2-LD4-50-1LO-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
2FT LENGTH, 1-MODULE LED WITH PA187 LENS  
Light Source: (42) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

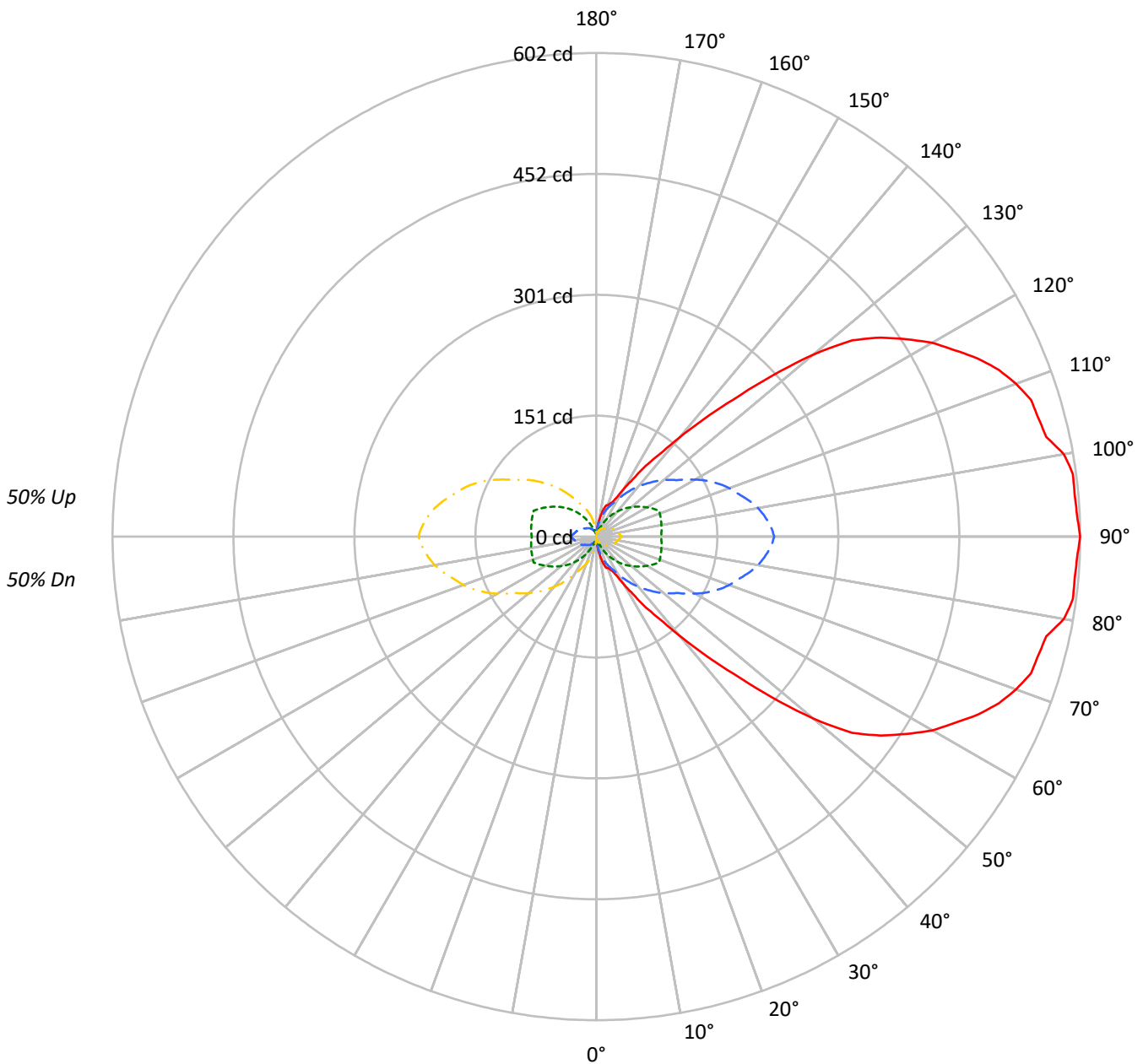
Lumens per Lamp: N/A  
Luminaire Lumens: 1393.3 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 12.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P231899

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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°	255	77	0	77
10°	503	154	0	154
15°	765	232	0	232
20°	825	313	0	313
25°	881	488	0	488
30°	1225	765	0	765
35°	1819	1070	0	1070
40°	2615	1407	0	1407
45°	3827	1796	0	1796
50°	5502	2228	0	2228
55°	6671	2749	0	2749
60°	7435	3396	0	3396
65°	8119	4227	0	4227
70°	8724	5080	0	5080
75°	9126	5979	0	5979
80°	9750	7367	0	7367
85°	10238	9769	0	9769



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	4.4	0.3
20°-30°	11.7	0.8
30°-40°	27.0	1.9
40°-50°	53.7	3.9
50°-60°	96.3	6.9
60°-70°	141.3	10.1
70°-80°	172.7	12.4
80°-90°	189.0	13.6
90°-100°	189.0	13.6
100°-110°	172.7	12.4
110°-120°	141.3	10.1
120°-130°	96.3	6.9
130°-140°	53.7	3.9
140°-150°	27.0	1.9
150°-160°	11.7	0.8
160°-170°	4.4	0.3
170°-180°	0.6	0.0
0°-30°	16.6	1.2
0°-40°	43.6	3.1
0°-60°	193.6	13.9
0°-90°	696.6	50.0
90°-120°	503.0	36.1
90°-150°	680.0	48.8
90°-180°	697.0	50.0
0°-180°	1393.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	10	3	0	3	10	1
15°	36	8	0	8	36	10
25°	47	16	0	16	47	24
35°	108	33	0	33	108	70
45°	241	49	0	49	241	194
55°	432	65	0	65	432	384
65°	524	80	0	80	524	519
75°	569	83	0	83	569	604
85°	597	81	0	81	597	487
90°	602	80	0	80	602	329
95°	597	81	0	81	597	487
105°	569	83	0	83	569	604
115°	524	80	0	80	524	519
125°	432	65	0	65	432	384
135°	241	49	0	49	241	194
145°	108	33	0	33	108	70
155°	47	16	0	16	47	24
165°	36	8	0	8	36	10
175°	10	3	0	3	10	1
180°	0	0	0	0	0	



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1
5°	9.7	9.8	9.9	10.0	10.1	10.0	9.9	9.9	9.8	9.8	9.7
7.5°	15.6	15.7	15.9	16.0	15.9	15.9	15.8	15.8	15.7	15.5	15.4
10°	21.4	21.6	21.7	21.9	21.7	21.7	21.6	21.5	21.3	21.1	20.9
12.5°	28.6	28.7	28.9	28.7	28.6	28.5	28.3	28.0	27.7	27.3	26.9
15°	35.7	35.8	35.9	35.6	35.4	35.1	34.8	34.4	34.0	33.5	32.9
17.5°	40.9	41.0	41.1	40.9	40.8	40.6	40.3	39.9	39.5	38.9	38.3
20°	41.6	42.0	42.4	42.7	42.9	43.2	43.3	43.3	43.3	43.2	42.9
22.5°	44.2	44.9	45.6	46.1	46.5	46.8	47.1	47.2	47.1	46.9	46.5
25°	47.4	48.5	49.4	50.3	51.0	51.6	52.0	52.3	52.4	52.2	51.9
27.5°	54.5	55.8	56.7	57.6	58.2	58.7	59.0	59.1	58.9	58.6	58.2
30°	69.5	70.6	70.9	71.2	71.1	70.7	70.0	69.2	68.1	66.8	66.2
32.5°	84.4	85.3	85.3	85.3	84.8	84.1	83.1	81.8	80.3	78.7	76.9
35°	107.8	108.0	106.9	105.5	103.6	101.4	98.7	95.7	92.6	90.2	88.0
37.5°	128.6	128.5	127.0	125.3	123.0	120.1	116.8	112.9	108.8	104.6	100.4
40°	160.4	159.4	156.1	152.5	148.1	143.0	137.2	131.0	125.2	120.0	114.5
42.5°	199.3	197.1	192.0	186.4	179.7	172.0	163.5	154.3	146.1	138.0	129.7
45°	240.9	237.7	231.0	223.6	214.9	205.0	194.0	183.4	170.9	159.3	148.0
47.5°	296.1	290.6	280.2	269.2	256.5	242.6	227.6	212.8	198.5	183.7	170.7
50°	352.6	346.0	333.7	320.2	304.4	286.3	266.2	247.0	228.4	211.0	195.2
52.5°	401.3	395.6	384.0	370.8	354.4	334.7	311.7	287.7	263.6	241.3	221.7
55°	431.8	431.2	425.4	416.8	403.6	385.0	360.9	333.7	305.0	277.8	250.9
57.5°	457.1	459.8	458.1	454.4	447.0	435.6	416.2	382.4	349.2	315.4	283.9
60°	482.4	484.8	483.5	481.5	478.1	473.4	454.9	425.1	390.4	352.1	316.4
62.5°	502.5	504.2	504.1	502.5	499.3	494.7	477.4	454.9	422.5	386.2	346.4
65°	524.0	524.6	523.5	521.1	517.8	512.5	498.8	476.5	448.1	412.4	372.0
67.5°	542.1	541.1	538.8	535.8	532.8	530.3	523.3	506.4	474.2	437.0	395.2
70°	555.8	555.0	552.5	548.4	545.1	544.0	541.7	531.6	510.6	464.7	420.5
72.5°	566.8	566.9	565.1	561.3	558.0	555.1	553.4	549.5	530.5	493.1	443.9
75°	569.4	574.7	577.1	573.7	567.5	563.3	561.4	557.6	541.9	509.2	463.7
77.5°	573.3	580.3	585.8	584.4	577.7	569.1	567.3	563.9	550.7	520.8	476.5
80°	590.8	587.7	588.2	590.3	585.6	579.5	574.2	571.6	562.3	531.8	484.3
82.5°	598.0	595.8	593.1	591.9	589.4	586.0	581.5	577.6	568.3	541.8	496.6
85°	597.3	601.1	600.5	592.3	586.0	586.1	584.0	579.8	572.7	550.4	504.5
87.5°	598.6	602.4	599.2	596.6	587.0	582.0	579.8	579.9	576.1	555.9	507.6
90°	601.9	603.8	599.9	601.9	594.1	578.5	574.0	579.2	577.9	557.1	505.8
92.5°	598.6	602.4	599.2	596.6	587.0	582.0	579.8	579.9	576.1	555.9	507.6
95°	597.3	601.1	600.5	592.3	586.0	586.1	584.0	579.8	572.7	550.4	504.5
97.5°	598.0	595.8	593.1	591.9	589.4	586.0	581.5	577.6	568.3	541.8	496.6
100°	590.8	587.7	588.2	590.3	585.6	579.5	574.2	571.6	562.3	531.8	484.3
102.5°	573.3	580.3	585.8	584.4	577.7	569.1	567.3	563.9	550.7	520.8	476.5
105°	569.4	574.7	577.1	573.7	567.5	563.3	561.4	557.6	541.9	509.2	463.7
107.5°	566.8	566.9	565.1	561.3	558.0	555.1	553.4	549.5	530.5	493.1	443.9
110°	555.8	555.0	552.5	548.4	545.1	544.0	541.7	531.6	510.6	464.7	420.5



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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°	542.1	541.1	538.8	535.8	532.8	530.3	523.3	506.4	474.2	437.0	395.2
115°	524.0	524.6	523.5	521.1	517.8	512.5	498.8	476.5	448.1	412.4	372.0
117.5°	502.5	504.2	504.1	502.5	499.3	494.7	477.4	454.9	422.5	386.2	346.4
120°	482.4	484.8	483.5	481.5	478.1	473.4	454.9	425.1	390.4	352.1	316.4
122.5°	457.1	459.8	458.1	454.4	447.0	435.6	416.2	382.4	349.2	315.4	283.9
125°	431.8	431.2	425.4	416.8	403.6	385.0	360.9	333.7	305.0	277.8	250.9
127.5°	401.3	395.6	384.0	370.8	354.4	334.7	311.7	287.7	263.6	241.3	221.7
130°	352.6	346.0	333.7	320.2	304.4	286.3	266.2	247.0	228.4	211.0	195.2
132.5°	296.1	290.6	280.2	269.2	256.5	242.6	227.6	212.8	198.5	183.7	170.7
135°	240.9	237.7	231.0	223.6	214.9	205.0	194.0	183.4	170.9	159.3	148.0
137.5°	199.3	197.1	192.0	186.4	179.7	172.0	163.5	154.3	146.1	138.0	129.7
140°	160.4	159.4	156.1	152.5	148.1	143.0	137.2	131.0	125.2	120.0	114.5
142.5°	128.6	128.5	127.0	125.3	123.0	120.1	116.8	112.9	108.8	104.6	100.4
145°	107.8	108.0	106.9	105.5	103.6	101.4	98.7	95.7	92.6	90.2	88.0
147.5°	84.4	85.3	85.3	85.3	84.8	84.1	83.1	81.8	80.3	78.7	76.9
150°	69.5	70.6	70.9	71.2	71.1	70.7	70.0	69.2	68.1	66.8	66.2
152.5°	54.5	55.8	56.7	57.6	58.2	58.7	59.0	59.1	58.9	58.6	58.2
155°	47.4	48.5	49.4	50.3	51.0	51.6	52.0	52.3	52.4	52.2	51.9
157.5°	44.2	44.9	45.6	46.1	46.5	46.8	47.1	47.2	47.1	46.9	46.5
160°	41.6	42.0	42.4	42.7	42.9	43.2	43.3	43.3	43.3	43.2	42.9
162.5°	40.9	41.0	41.1	40.9	40.8	40.6	40.3	39.9	39.5	38.9	38.3
165°	35.7	35.8	35.9	35.6	35.4	35.1	34.8	34.4	34.0	33.5	32.9
167.5°	28.6	28.7	28.9	28.7	28.6	28.5	28.3	28.0	27.7	27.3	26.9
170°	21.4	21.6	21.7	21.9	21.7	21.7	21.6	21.5	21.3	21.1	20.9
172.5°	15.6	15.7	15.9	16.0	15.9	15.9	15.8	15.8	15.7	15.5	15.4
175°	9.7	9.8	9.9	10.0	10.1	10.0	9.9	9.9	9.8	9.8	9.7
177.5°	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.1	4.1	4.1	4.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.5	3.4
5°	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.5	7.2
7.5°	15.2	14.9	14.7	14.4	14.1	13.7	13.4	13.0	12.6	12.1	11.6
10°	20.6	20.3	20.0	19.6	19.2	18.7	18.2	17.7	17.1	16.5	15.9
12.5°	26.4	25.9	25.3	24.7	24.1	23.5	22.9	22.2	21.5	20.8	20.1
15°	32.3	31.7	31.0	30.2	29.4	28.6	27.7	26.7	25.8	24.9	24.0
17.5°	37.7	36.9	36.1	35.2	34.3	33.3	32.4	31.3	30.2	29.1	27.9
20°	42.5	41.8	40.9	39.9	38.8	37.6	36.5	35.3	34.2	33.0	31.7
22.5°	46.0	45.6	45.0	44.2	43.3	42.1	40.7	39.2	37.7	36.3	35.0
25°	51.5	50.8	49.9	48.7	47.6	46.4	45.0	43.3	41.6	39.7	38.0
27.5°	57.8	57.1	56.1	54.9	53.4	51.7	50.0	47.9	45.8	43.5	41.4
30°	65.4	64.4	63.3	61.9	60.2	58.3	56.1	53.5	51.1	49.1	47.1
32.5°	74.9	72.9	71.2	69.6	67.8	65.6	63.2	60.6	57.9	55.3	53.0
35°	85.6	83.1	80.6	78.1	75.6	73.1	70.4	67.6	64.6	61.7	58.8
37.5°	96.2	93.0	90.0	87.3	83.9	80.6	77.6	74.5	71.3	67.9	64.7
40°	108.9	104.1	99.6	95.9	92.2	88.6	85.0	81.4	77.9	74.2	70.5
42.5°	122.8	116.6	110.6	105.7	101.1	96.6	92.3	88.4	84.4	80.5	76.4
45°	139.2	130.3	122.9	116.0	110.1	104.9	100.1	95.2	91.0	86.7	82.3
47.5°	158.2	146.2	136.4	127.2	119.8	113.2	107.7	102.5	97.2	92.7	88.1
50°	179.4	165.0	151.0	139.9	130.0	121.9	115.0	109.6	104.0	98.5	93.8
52.5°	201.9	184.7	168.2	153.3	141.0	130.8	122.5	116.0	110.9	104.5	100.7
55°	227.2	204.6	185.8	168.2	152.7	140.2	129.9	122.4	117.7	113.5	109.6
57.5°	254.9	227.8	203.3	183.3	165.5	149.9	140.1	132.1	125.3	121.3	117.7
60°	282.9	252.1	223.5	197.6	179.4	163.7	150.8	142.0	134.1	128.5	125.0
62.5°	309.2	275.1	244.5	217.5	193.7	176.0	162.0	151.7	143.3	135.1	131.4
65°	332.1	297.6	265.3	236.1	210.0	188.5	172.0	160.2	152.3	143.1	137.8
67.5°	355.4	318.8	284.4	252.9	225.0	199.6	181.4	168.7	160.1	151.6	143.8
70°	377.8	337.5	301.9	267.1	238.3	212.3	191.0	176.0	167.0	159.9	149.3
72.5°	397.0	354.0	315.2	280.0	249.1	223.0	199.2	182.2	173.1	167.2	156.1
75°	415.2	367.8	326.4	290.0	256.9	231.6	207.6	189.7	179.5	172.1	161.7
77.5°	430.3	378.6	335.3	298.9	266.5	240.2	216.6	197.6	185.7	177.3	167.0
80°	439.3	391.2	345.7	307.5	274.6	247.3	224.1	204.2	191.6	182.7	171.9
82.5°	447.8	400.8	353.3	313.4	280.3	252.8	230.0	209.8	197.2	188.0	176.3
85°	453.4	405.9	358.0	316.9	283.7	256.8	234.6	214.4	202.4	193.2	180.3
87.5°	455.5	408.6	361.1	318.9	285.9	260.1	238.4	218.4	207.4	198.4	184.1
90°	453.8	403.8	358.4	316.8	285.0	261.0	240.2	221.4	211.7	202.6	187.0
92.5°	455.5	408.6	361.1	318.9	285.9	260.1	238.4	218.4	207.4	198.4	184.1
95°	453.4	405.9	358.0	316.9	283.7	256.8	234.6	214.4	202.4	193.2	180.3
97.5°	447.8	400.8	353.3	313.4	280.3	252.8	230.0	209.8	197.2	188.0	176.3
100°	439.3	391.2	345.7	307.5	274.6	247.3	224.1	204.2	191.6	182.7	171.9
102.5°	430.3	378.6	335.3	298.9	266.5	240.2	216.6	197.6	185.7	177.3	167.0
105°	415.2	367.8	326.4	290.0	256.9	231.6	207.6	189.7	179.5	172.1	161.7
107.5°	397.0	354.0	315.2	280.0	249.1	223.0	199.2	182.2	173.1	167.2	156.1
110°	377.8	337.5	301.9	267.1	238.3	212.3	191.0	176.0	167.0	159.9	149.3





TEST NUMBER: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	355.4	318.8	284.4	252.9	225.0	199.6	181.4	168.7	160.1	151.6	143.8
115°	332.1	297.6	265.3	236.1	210.0	188.5	172.0	160.2	152.3	143.1	137.8
117.5°	309.2	275.1	244.5	217.5	193.7	176.0	162.0	151.7	143.3	135.1	131.4
120°	282.9	252.1	223.5	197.6	179.4	163.7	150.8	142.0	134.1	128.5	125.0
122.5°	254.9	227.8	203.3	183.3	165.5	149.9	140.1	132.1	125.3	121.3	117.7
125°	227.2	204.6	185.8	168.2	152.7	140.2	129.9	122.4	117.7	113.5	109.6
127.5°	201.9	184.7	168.2	153.3	141.0	130.8	122.5	116.0	110.9	104.5	100.7
130°	179.4	165.0	151.0	139.9	130.0	121.9	115.0	109.6	104.0	98.5	93.8
132.5°	158.2	146.2	136.4	127.2	119.8	113.2	107.7	102.5	97.2	92.7	88.1
135°	139.2	130.3	122.9	116.0	110.1	104.9	100.1	95.2	91.0	86.7	82.3
137.5°	122.8	116.6	110.6	105.7	101.1	96.6	92.3	88.4	84.4	80.5	76.4
140°	108.9	104.1	99.6	95.9	92.2	88.6	85.0	81.4	77.9	74.2	70.5
142.5°	96.2	93.0	90.0	87.3	83.9	80.6	77.6	74.5	71.3	67.9	64.7
145°	85.6	83.1	80.6	78.1	75.6	73.1	70.4	67.6	64.6	61.7	58.8
147.5°	74.9	72.9	71.2	69.6	67.8	65.6	63.2	60.6	57.9	55.3	53.0
150°	65.4	64.4	63.3	61.9	60.2	58.3	56.1	53.5	51.1	49.1	47.1
152.5°	57.8	57.1	56.1	54.9	53.4	51.7	50.0	47.9	45.8	43.5	41.4
155°	51.5	50.8	49.9	48.7	47.6	46.4	45.0	43.3	41.6	39.7	38.0
157.5°	46.0	45.6	45.0	44.2	43.3	42.1	40.7	39.2	37.7	36.3	35.0
160°	42.5	41.8	40.9	39.9	38.8	37.6	36.5	35.3	34.2	33.0	31.7
162.5°	37.7	36.9	36.1	35.2	34.3	33.3	32.4	31.3	30.2	29.1	27.9
165°	32.3	31.7	31.0	30.2	29.4	28.6	27.7	26.7	25.8	24.9	24.0
167.5°	26.4	25.9	25.3	24.7	24.1	23.5	22.9	22.2	21.5	20.8	20.1
170°	20.6	20.3	20.0	19.6	19.2	18.7	18.2	17.7	17.1	16.5	15.9
172.5°	15.2	14.9	14.7	14.4	14.1	13.7	13.4	13.0	12.6	12.1	11.6
175°	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.5	7.2
177.5°	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.5	3.4
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: P231899

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.3	3.2	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0
5°	6.9	6.5	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.2	3.9
7.5°	11.1	10.6	10.1	9.5	8.9	8.3	7.7	7.2	6.8	6.3	5.9
10°	15.3	14.6	14.0	13.2	12.4	11.6	10.8	10.0	9.1	8.4	7.8
12.5°	19.3	18.4	17.6	16.7	15.8	14.9	13.8	12.8	11.7	10.7	9.8
15°	23.1	22.1	21.2	20.1	19.0	17.9	16.8	15.6	14.3	13.1	11.8
17.5°	26.9	25.6	24.5	23.3	22.1	20.9	19.6	18.3	16.9	15.4	13.9
20°	30.4	29.1	27.7	26.4	25.0	23.7	22.3	20.8	19.4	17.8	16.1
22.5°	33.7	32.3	30.8	29.4	27.9	26.4	24.8	23.3	21.7	20.0	18.2
25°	36.5	35.1	33.7	32.1	31.0	29.8	28.5	27.2	25.8	24.3	22.5
27.5°	39.9	38.8	38.0	37.2	36.0	34.7	33.4	32.1	30.6	29.0	27.2
30°	45.4	43.8	42.6	41.8	40.8	39.5	38.1	36.8	35.5	33.6	31.9
32.5°	50.8	48.9	47.3	46.2	45.3	44.2	42.7	41.3	39.9	38.2	36.3
35°	56.3	53.9	52.1	50.5	49.5	48.7	47.3	45.8	44.3	42.8	40.8
37.5°	61.7	59.1	56.6	54.9	53.6	52.7	51.7	50.1	48.6	47.3	45.2
40°	67.1	64.0	61.4	59.0	57.6	56.6	55.9	54.4	52.8	51.6	49.6
42.5°	72.3	69.0	65.9	63.3	61.5	60.3	59.7	58.6	56.9	55.7	54.0
45°	77.9	73.6	70.4	67.6	65.1	64.1	63.4	62.8	61.0	59.7	58.3
47.5°	83.3	78.6	74.7	71.8	69.1	68.2	68.8	69.5	69.3	68.7	67.3
50°	88.7	84.0	81.1	79.9	79.0	78.4	78.8	79.5	80.1	80.0	77.5
52.5°	97.7	94.6	92.0	90.4	89.5	88.7	88.9	89.5	90.4	91.6	87.9
55°	107.0	104.6	102.4	100.6	99.9	99.3	99.1	99.4	100.4	102.8	98.5
57.5°	115.3	113.7	112.2	110.6	110.0	109.6	109.3	109.3	110.1	113.5	109.5
60°	122.9	122.0	121.1	120.3	119.9	119.8	119.5	119.3	120.1	123.9	120.6
62.5°	129.9	129.5	129.5	129.6	129.5	129.8	129.7	129.4	130.0	134.1	132.0
65°	136.1	136.4	137.4	138.4	139.0	139.6	139.9	139.6	139.9	144.0	143.5
67.5°	141.5	142.7	144.6	146.7	148.1	149.3	149.9	149.7	149.9	153.8	155.1
70°	146.5	148.6	151.4	154.1	155.7	156.5	156.8	156.5	156.3	158.0	157.7
72.5°	151.1	151.7	153.9	156.4	158.7	160.0	160.5	161.1	161.4	161.5	159.0
75°	154.5	153.9	155.9	158.6	161.6	163.5	164.2	165.5	166.7	165.5	160.3
77.5°	158.0	156.2	158.1	160.7	164.4	166.9	167.7	169.6	172.0	169.9	161.6
80°	161.4	158.5	160.2	162.8	167.0	170.4	171.2	173.7	177.3	174.7	162.9
82.5°	164.7	161.0	162.5	164.8	169.7	173.9	174.6	177.7	182.7	179.7	164.9
85°	167.9	163.6	164.8	166.9	172.4	177.4	178.0	181.4	188.1	185.2	165.6
87.5°	171.1	166.2	167.1	169.0	175.0	180.9	181.5	185.5	193.4	190.0	166.2
90°	174.0	168.8	169.5	171.4	177.9	184.4	185.0	189.6	198.7	194.8	166.9
92.5°	171.1	166.2	167.1	169.0	175.0	180.9	181.5	185.5	193.4	190.0	166.2
95°	167.9	163.6	164.8	166.9	172.4	177.4	178.0	181.4	188.1	185.2	165.6
97.5°	164.7	161.0	162.5	164.8	169.7	173.9	174.6	177.7	182.7	179.7	164.9
100°	161.4	158.5	160.2	162.8	167.0	170.4	171.2	173.7	177.3	174.7	162.9
102.5°	158.0	156.2	158.1	160.7	164.4	166.9	167.7	169.6	172.0	169.9	161.6
105°	154.5	153.9	155.9	158.6	161.6	163.5	164.2	165.5	166.7	165.5	160.3
107.5°	151.1	151.7	153.9	156.4	158.7	160.0	160.5	161.1	161.4	161.5	159.0
110°	146.5	148.6	151.4	154.1	155.7	156.5	156.8	156.5	156.3	158.0	157.7



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	141.5	142.7	144.6	146.7	148.1	149.3	149.9	149.7	149.9	153.8	155.1
115°	136.1	136.4	137.4	138.4	139.0	139.6	139.9	139.6	139.9	144.0	143.5
117.5°	129.9	129.5	129.5	129.6	129.5	129.8	129.7	129.4	130.0	134.1	132.0
120°	122.9	122.0	121.1	120.3	119.9	119.8	119.5	119.3	120.1	123.9	120.6
122.5°	115.3	113.7	112.2	110.6	110.0	109.6	109.3	109.3	110.1	113.5	109.5
125°	107.0	104.6	102.4	100.6	99.9	99.3	99.1	99.4	100.4	102.8	98.5
127.5°	97.7	94.6	92.0	90.4	89.5	88.7	88.9	89.5	90.4	91.6	87.9
130°	88.7	84.0	81.1	79.9	79.0	78.4	78.8	79.5	80.1	80.0	77.5
132.5°	83.3	78.6	74.7	71.8	69.1	68.2	68.8	69.5	69.3	68.7	67.3
135°	77.9	73.6	70.4	67.6	65.1	64.1	63.4	62.8	61.0	59.7	58.3
137.5°	72.3	69.0	65.9	63.3	61.5	60.3	59.7	58.6	56.9	55.7	54.0
140°	67.1	64.0	61.4	59.0	57.6	56.6	55.9	54.4	52.8	51.6	49.6
142.5°	61.7	59.1	56.6	54.9	53.6	52.7	51.7	50.1	48.6	47.3	45.2
145°	56.3	53.9	52.1	50.5	49.5	48.7	47.3	45.8	44.3	42.8	40.8
147.5°	50.8	48.9	47.3	46.2	45.3	44.2	42.7	41.3	39.9	38.2	36.3
150°	45.4	43.8	42.6	41.8	40.8	39.5	38.1	36.8	35.5	33.6	31.9
152.5°	39.9	38.8	38.0	37.2	36.0	34.7	33.4	32.1	30.6	29.0	27.2
155°	36.5	35.1	33.7	32.1	31.0	29.8	28.5	27.2	25.8	24.3	22.5
157.5°	33.7	32.3	30.8	29.4	27.9	26.4	24.8	23.3	21.7	20.0	18.2
160°	30.4	29.1	27.7	26.4	25.0	23.7	22.3	20.8	19.4	17.8	16.1
162.5°	26.9	25.6	24.5	23.3	22.1	20.9	19.6	18.3	16.9	15.4	13.9
165°	23.1	22.1	21.2	20.1	19.0	17.9	16.8	15.6	14.3	13.1	11.8
167.5°	19.3	18.4	17.6	16.7	15.8	14.9	13.8	12.8	11.7	10.7	9.8
170°	15.3	14.6	14.0	13.2	12.4	11.6	10.8	10.0	9.1	8.4	7.8
172.5°	11.1	10.6	10.1	9.5	8.9	8.3	7.7	7.2	6.8	6.3	5.9
175°	6.9	6.5	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.2	3.9
177.5°	3.3	3.2	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	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: P231899

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.8	1.6	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2
5°	3.6	3.3	2.9	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
7.5°	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
10°	7.2	6.5	5.9	5.2	5.2	5.2	5.2	5.1	5.1	5.0	5.0
12.5°	9.0	8.2	7.3	6.5	6.5	6.5	6.4	6.4	6.4	6.3	6.2
15°	10.8	9.8	8.8	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.5
17.5°	12.5	11.4	10.3	9.1	9.1	9.1	9.0	9.0	8.9	8.8	8.7
20°	14.3	13.0	11.7	10.4	10.4	10.4	10.3	10.3	10.2	10.1	10.0
22.5°	16.3	14.6	13.2	11.7	11.7	11.7	11.6	11.5	11.4	11.3	11.2
25°	20.6	18.9	17.4	15.9	15.9	15.9	15.8	15.6	15.3	14.8	14.3
27.5°	25.1	23.1	21.6	20.1	20.2	20.3	20.3	20.2	19.8	19.2	18.4
30°	29.6	27.4	25.8	24.2	24.5	24.7	24.8	24.8	24.2	23.4	22.2
32.5°	34.1	31.7	30.0	28.4	28.8	29.2	29.4	29.3	28.5	27.3	25.7
35°	38.5	36.0	34.2	32.6	33.2	33.7	34.0	33.7	32.7	31.0	28.9
37.5°	42.9	40.3	38.3	36.8	37.5	38.2	38.7	38.1	36.9	34.4	31.8
40°	47.3	44.5	42.5	40.9	41.9	42.7	43.4	42.4	40.5	37.6	34.3
42.5°	51.6	48.8	46.6	45.1	46.3	47.3	48.1	46.6	44.1	40.8	36.5
45°	55.9	53.0	50.7	49.3	50.7	51.9	52.5	50.9	47.5	43.2	38.5
47.5°	63.9	59.8	55.9	53.2	53.5	54.0	53.9	52.0	48.2	43.9	39.3
50°	72.7	66.9	61.3	57.1	56.3	55.8	54.7	52.2	48.1	43.6	39.3
52.5°	81.8	74.3	66.8	61.0	58.9	57.6	55.5	52.2	47.9	43.5	39.5
55°	91.1	81.8	72.4	64.9	61.5	59.2	56.2	52.3	47.8	43.5	40.0
57.5°	100.6	89.5	78.0	68.8	64.0	60.7	56.9	52.4	47.8	43.8	40.7
60°	110.4	97.4	83.7	72.7	66.5	62.2	57.4	52.5	48.0	44.3	41.7
62.5°	120.4	105.4	89.5	76.6	68.9	63.5	58.0	52.6	48.3	45.1	43.2
65°	130.5	113.4	95.3	80.5	71.3	64.8	58.4	52.8	48.6	45.9	44.8
67.5°	140.7	121.6	101.2	84.4	73.6	66.0	58.8	53.0	49.1	47.0	46.6
70°	141.6	121.5	100.7	84.0	73.0	65.4	58.3	52.5	48.8	47.0	47.2
72.5°	141.7	121.0	100.1	83.5	72.4	64.8	57.7	52.0	48.3	46.6	46.8
75°	141.7	120.4	100.0	83.1	71.8	64.1	57.2	51.5	47.8	46.2	46.5
77.5°	141.6	119.7	99.1	82.7	71.2	63.5	56.8	51.0	47.3	45.8	46.0
80°	141.5	119.5	98.3	82.2	70.7	63.0	56.4	50.6	46.9	45.5	45.6
82.5°	141.8	118.4	97.4	81.8	70.2	62.4	56.0	50.2	46.4	45.1	45.1
85°	141.1	117.2	96.5	81.4	69.7	61.9	55.7	49.8	46.1	44.8	44.6
87.5°	140.3	116.1	95.7	80.9	69.2	61.4	55.4	49.5	45.7	44.5	44.0
90°	139.6	114.9	94.8	80.5	68.8	61.0	55.2	49.3	45.4	44.2	43.5
92.5°	140.3	116.1	95.7	80.9	69.2	61.4	55.4	49.5	45.7	44.5	44.0
95°	141.1	117.2	96.5	81.4	69.7	61.9	55.7	49.8	46.1	44.8	44.6
97.5°	141.8	118.4	97.4	81.8	70.2	62.4	56.0	50.2	46.4	45.1	45.1
100°	141.5	119.5	98.3	82.2	70.7	63.0	56.4	50.6	46.9	45.5	45.6
102.5°	141.6	119.7	99.1	82.7	71.2	63.5	56.8	51.0	47.3	45.8	46.0
105°	141.7	120.4	100.0	83.1	71.8	64.1	57.2	51.5	47.8	46.2	46.5
107.5°	141.7	121.0	100.1	83.5	72.4	64.8	57.7	52.0	48.3	46.6	46.8
110°	141.6	121.5	100.7	84.0	73.0	65.4	58.3	52.5	48.8	47.0	47.2



TEST NUMBER: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	140.7	121.6	101.2	84.4	73.6	66.0	58.8	53.0	49.1	47.0	46.6
115°	130.5	113.4	95.3	80.5	71.3	64.8	58.4	52.8	48.6	45.9	44.8
117.5°	120.4	105.4	89.5	76.6	68.9	63.5	58.0	52.6	48.3	45.1	43.2
120°	110.4	97.4	83.7	72.7	66.5	62.2	57.4	52.5	48.0	44.3	41.7
122.5°	100.6	89.5	78.0	68.8	64.0	60.7	56.9	52.4	47.8	43.8	40.7
125°	91.1	81.8	72.4	64.9	61.5	59.2	56.2	52.3	47.8	43.5	40.0
127.5°	81.8	74.3	66.8	61.0	58.9	57.6	55.5	52.2	47.9	43.5	39.5
130°	72.7	66.9	61.3	57.1	56.3	55.8	54.7	52.2	48.1	43.6	39.3
132.5°	63.9	59.8	55.9	53.2	53.5	54.0	53.9	52.0	48.2	43.9	39.3
135°	55.9	53.0	50.7	49.3	50.7	51.9	52.5	50.9	47.5	43.2	38.5
137.5°	51.6	48.8	46.6	45.1	46.3	47.3	48.1	46.6	44.1	40.8	36.5
140°	47.3	44.5	42.5	40.9	41.9	42.7	43.4	42.4	40.5	37.6	34.3
142.5°	42.9	40.3	38.3	36.8	37.5	38.2	38.7	38.1	36.9	34.4	31.8
145°	38.5	36.0	34.2	32.6	33.2	33.7	34.0	33.7	32.7	31.0	28.9
147.5°	34.1	31.7	30.0	28.4	28.8	29.2	29.4	29.3	28.5	27.3	25.7
150°	29.6	27.4	25.8	24.2	24.5	24.7	24.8	24.8	24.2	23.4	22.2
152.5°	25.1	23.1	21.6	20.1	20.2	20.3	20.3	20.2	19.8	19.2	18.4
155°	20.6	18.9	17.4	15.9	15.9	15.9	15.8	15.6	15.3	14.8	14.3
157.5°	16.3	14.6	13.2	11.7	11.7	11.7	11.6	11.5	11.4	11.3	11.2
160°	14.3	13.0	11.7	10.4	10.4	10.4	10.3	10.3	10.2	10.1	10.0
162.5°	12.5	11.4	10.3	9.1	9.1	9.1	9.0	9.0	8.9	8.8	8.7
165°	10.8	9.8	8.8	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.5
167.5°	9.0	8.2	7.3	6.5	6.5	6.5	6.4	6.4	6.4	6.3	6.2
170°	7.2	6.5	5.9	5.2	5.2	5.2	5.2	5.1	5.1	5.0	5.0
172.5°	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
175°	3.6	3.3	2.9	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
177.5°	1.8	1.6	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9
5°	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.8
7.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
10°	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.7
12.5°	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.2	5.0	4.8	4.6
15°	7.3	7.2	7.1	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6
17.5°	8.6	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.5
20°	9.8	9.7	9.5	9.3	9.1	8.9	8.6	8.4	8.1	7.8	7.5
22.5°	11.1	10.9	10.7	10.5	10.3	10.0	9.7	9.5	9.2	8.8	8.3
25°	13.7	13.0	12.3	11.7	11.4	11.2	10.9	10.6	10.0	9.5	8.9
27.5°	17.5	16.5	15.5	14.6	13.7	13.0	12.2	11.3	10.7	10.3	9.9
30°	20.9	19.6	18.2	17.0	15.9	14.8	13.7	12.7	12.0	11.4	10.7
32.5°	24.0	22.2	20.5	19.0	17.6	16.3	15.1	14.1	13.3	12.3	11.5
35°	26.6	24.4	22.4	20.6	19.0	17.5	16.3	15.2	14.1	13.1	12.4
37.5°	28.9	26.3	23.9	22.0	20.2	18.6	17.2	15.9	14.8	14.0	13.2
40°	30.9	27.9	25.3	23.1	21.2	19.4	17.9	16.6	15.6	14.6	13.7
42.5°	32.7	29.2	26.6	24.2	21.9	20.1	18.6	17.4	16.2	15.2	14.3
45°	34.2	30.6	27.7	25.0	22.6	20.7	19.3	18.0	16.8	15.8	14.9
47.5°	35.1	31.8	28.6	25.5	23.3	21.4	19.8	18.6	17.4	16.3	15.5
50°	35.4	32.7	29.8	27.0	24.5	22.1	20.5	19.2	18.0	17.0	16.1
52.5°	36.3	34.0	31.5	29.3	27.1	24.9	22.7	20.5	18.6	17.8	16.8
55°	37.6	35.6	33.7	31.9	29.9	27.7	25.3	23.0	21.1	19.3	17.6
57.5°	39.0	37.7	36.2	34.8	32.9	30.4	27.8	25.5	23.3	21.2	19.3
60°	40.8	40.0	39.1	37.8	35.8	33.0	30.3	27.8	25.2	22.8	20.7
62.5°	42.8	42.6	42.2	41.0	38.6	35.7	32.8	29.8	26.8	24.2	21.7
65°	45.1	45.5	45.4	44.4	41.4	38.3	35.0	31.6	28.3	25.4	22.5
67.5°	47.6	48.5	48.7	47.6	44.2	40.8	37.2	33.3	29.7	26.4	23.3
70°	48.7	50.4	51.3	50.4	47.0	43.3	39.2	34.8	31.0	27.2	24.1
72.5°	48.4	50.2	51.1	50.1	47.5	44.4	40.4	36.1	32.1	28.1	24.7
75°	48.1	50.0	51.0	50.1	48.0	44.9	41.0	36.8	32.9	28.9	25.5
77.5°	47.7	49.8	51.0	50.3	48.7	45.7	41.7	37.8	33.8	29.8	26.3
80°	47.3	49.6	51.1	50.7	49.5	46.6	42.7	38.9	34.9	30.8	27.2
82.5°	46.9	49.4	51.1	51.3	50.5	47.6	43.8	40.2	36.2	31.8	28.2
85°	46.4	49.2	51.2	51.9	51.6	48.7	45.1	41.6	37.6	32.9	29.3
87.5°	45.9	49.0	51.3	52.5	52.7	50.0	46.5	43.1	39.2	34.2	30.5
90°	45.4	48.7	51.3	53.2	53.9	51.3	48.0	44.8	40.9	35.7	31.8
92.5°	45.9	49.0	51.3	52.5	52.7	50.0	46.5	43.1	39.2	34.2	30.5
95°	46.4	49.2	51.2	51.9	51.6	48.7	45.1	41.6	37.6	32.9	29.3
97.5°	46.9	49.4	51.1	51.3	50.5	47.6	43.8	40.2	36.2	31.8	28.2
100°	47.3	49.6	51.1	50.7	49.5	46.6	42.7	38.9	34.9	30.8	27.2
102.5°	47.7	49.8	51.0	50.3	48.7	45.7	41.7	37.8	33.8	29.8	26.3
105°	48.1	50.0	51.0	50.1	48.0	44.9	41.0	36.8	32.9	28.9	25.5
107.5°	48.4	50.2	51.1	50.1	47.5	44.4	40.4	36.1	32.1	28.1	24.7
110°	48.7	50.4	51.3	50.4	47.0	43.3	39.2	34.8	31.0	27.2	24.1



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	47.6	48.5	48.7	47.6	44.2	40.8	37.2	33.3	29.7	26.4	23.3
115°	45.1	45.5	45.4	44.4	41.4	38.3	35.0	31.6	28.3	25.4	22.5
117.5°	42.8	42.6	42.2	41.0	38.6	35.7	32.8	29.8	26.8	24.2	21.7
120°	40.8	40.0	39.1	37.8	35.8	33.0	30.3	27.8	25.2	22.8	20.7
122.5°	39.0	37.7	36.2	34.8	32.9	30.4	27.8	25.5	23.3	21.2	19.3
125°	37.6	35.6	33.7	31.9	29.9	27.7	25.3	23.0	21.1	19.3	17.6
127.5°	36.3	34.0	31.5	29.3	27.1	24.9	22.7	20.5	18.6	17.8	16.8
130°	35.4	32.7	29.8	27.0	24.5	22.1	20.5	19.2	18.0	17.0	16.1
132.5°	35.1	31.8	28.6	25.5	23.3	21.4	19.8	18.6	17.4	16.3	15.5
135°	34.2	30.6	27.7	25.0	22.6	20.7	19.3	18.0	16.8	15.8	14.9
137.5°	32.7	29.2	26.6	24.2	21.9	20.1	18.6	17.4	16.2	15.2	14.3
140°	30.9	27.9	25.3	23.1	21.2	19.4	17.9	16.6	15.6	14.6	13.7
142.5°	28.9	26.3	23.9	22.0	20.2	18.6	17.2	15.9	14.8	14.0	13.2
145°	26.6	24.4	22.4	20.6	19.0	17.5	16.3	15.2	14.1	13.1	12.4
147.5°	24.0	22.2	20.5	19.0	17.6	16.3	15.1	14.1	13.3	12.3	11.5
150°	20.9	19.6	18.2	17.0	15.9	14.8	13.7	12.7	12.0	11.4	10.7
152.5°	17.5	16.5	15.5	14.6	13.7	13.0	12.2	11.3	10.7	10.3	9.9
155°	13.7	13.0	12.3	11.7	11.4	11.2	10.9	10.6	10.0	9.5	8.9
157.5°	11.1	10.9	10.7	10.5	10.3	10.0	9.7	9.5	9.2	8.8	8.3
160°	9.8	9.7	9.5	9.3	9.1	8.9	8.6	8.4	8.1	7.8	7.5
162.5°	8.6	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.5
165°	7.3	7.2	7.1	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6
167.5°	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.2	5.0	4.8	4.6
170°	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.7
172.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
175°	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.8
177.5°	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4
5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
7.5°	2.6	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.5	1.3	1.2
10°	3.5	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6
12.5°	4.4	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
15°	5.3	5.1	4.8	4.5	4.3	4.0	3.7	3.4	3.0	2.7	2.4
17.5°	6.3	6.0	5.6	5.3	5.0	4.7	4.3	3.9	3.5	3.1	2.7
20°	7.2	6.8	6.4	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3.1
22.5°	7.9	7.4	6.9	6.5	6.1	5.7	5.3	4.8	4.3	3.8	3.4
25°	8.5	8.2	7.7	7.3	6.7	6.2	5.7	5.2	4.7	4.2	3.7
27.5°	9.5	8.9	8.3	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.0
30°	10.0	9.4	9.0	8.5	8.0	7.3	6.7	6.0	5.4	4.8	4.2
32.5°	10.8	10.3	9.7	9.0	8.3	7.6	7.1	6.5	5.9	5.3	4.6
35°	11.8	10.9	10.1	9.4	8.9	8.3	7.6	6.9	6.1	5.4	4.7
37.5°	12.2	11.4	10.8	10.2	9.4	8.6	7.8	7.0	6.3	5.5	4.9
40°	12.8	12.1	11.4	10.6	9.7	8.8	8.0	7.3	6.6	6.0	5.2
42.5°	13.5	12.7	11.8	10.9	10.0	9.2	8.6	7.8	7.0	6.1	5.3
45°	14.0	13.2	12.2	11.3	10.6	9.9	8.9	8.0	7.3	6.5	5.8
47.5°	14.6	13.6	12.8	12.0	11.1	10.0	9.2	8.5	7.7	6.8	5.8
50°	15.2	14.3	13.5	12.3	11.3	10.5	9.7	8.7	7.7	7.0	6.2
52.5°	15.9	15.0	13.8	12.7	11.8	10.9	9.9	9.0	8.2	7.5	6.8
55°	16.6	15.3	14.1	13.2	12.2	11.2	10.2	9.4	8.7	7.9	7.0
57.5°	17.5	15.7	14.6	13.7	12.6	11.4	10.6	10.0	8.9	7.8	6.8
60°	18.4	16.7	15.3	14.1	12.7	11.9	11.3	10.0	8.9	7.8	6.8
62.5°	19.3	17.5	16.1	14.4	13.2	12.6	11.2	10.0	9.0	7.7	6.6
65°	20.1	18.3	16.4	14.7	13.8	12.5	11.4	10.2	8.9	7.6	6.4
67.5°	20.8	18.9	16.7	15.2	13.8	12.3	11.3	10.1	8.7	7.3	6.1
70°	21.5	19.2	17.0	15.3	13.6	12.1	10.8	9.6	8.4	7.1	5.8
72.5°	22.1	19.5	17.2	15.3	13.4	11.8	10.5	9.0	7.8	6.6	5.4
75°	22.6	19.8	17.2	15.3	13.0	11.6	10.0	8.6	7.3	6.1	4.9
77.5°	23.2	20.2	17.5	15.2	12.8	11.4	9.5	8.2	7.0	5.7	4.6
80°	23.8	20.6	17.8	15.1	12.7	10.9	9.2	8.0	6.7	5.4	4.3
82.5°	24.5	21.1	18.1	15.0	12.6	10.4	8.8	7.5	6.3	5.2	3.9
85°	25.3	21.7	18.4	15.0	12.4	10.1	8.4	7.1	5.8	4.8	3.7
87.5°	26.2	22.5	18.9	15.2	12.3	9.8	8.0	6.7	5.4	4.6	3.7
90°	27.3	23.4	19.5	15.6	12.3	9.7	7.8	6.5	5.2	4.5	3.9
92.5°	26.2	22.5	18.9	15.2	12.3	9.8	8.0	6.7	5.4	4.6	3.7
95°	25.3	21.7	18.4	15.0	12.4	10.1	8.4	7.1	5.8	4.8	3.7
97.5°	24.5	21.1	18.1	15.0	12.6	10.4	8.8	7.5	6.3	5.2	3.9
100°	23.8	20.6	17.8	15.1	12.7	10.9	9.2	8.0	6.7	5.4	4.3
102.5°	23.2	20.2	17.5	15.2	12.8	11.4	9.5	8.2	7.0	5.7	4.6
105°	22.6	19.8	17.2	15.3	13.0	11.6	10.0	8.6	7.3	6.1	4.9
107.5°	22.1	19.5	17.2	15.3	13.4	11.8	10.5	9.0	7.8	6.6	5.4
110°	21.5	19.2	17.0	15.3	13.6	12.1	10.8	9.6	8.4	7.1	5.8





TEST NUMBER: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	20.8	18.9	16.7	15.2	13.8	12.3	11.3	10.1	8.7	7.3	6.1
115°	20.1	18.3	16.4	14.7	13.8	12.5	11.4	10.2	8.9	7.6	6.4
117.5°	19.3	17.5	16.1	14.4	13.2	12.6	11.2	10.0	9.0	7.7	6.6
120°	18.4	16.7	15.3	14.1	12.7	11.9	11.3	10.0	8.9	7.8	6.8
122.5°	17.5	15.7	14.6	13.7	12.6	11.4	10.6	10.0	8.9	7.8	6.8
125°	16.6	15.3	14.1	13.2	12.2	11.2	10.2	9.4	8.7	7.9	7.0
127.5°	15.9	15.0	13.8	12.7	11.8	10.9	9.9	9.0	8.2	7.5	6.8
130°	15.2	14.3	13.5	12.3	11.3	10.5	9.7	8.7	7.7	7.0	6.2
132.5°	14.6	13.6	12.8	12.0	11.1	10.0	9.2	8.5	7.7	6.8	5.8
135°	14.0	13.2	12.2	11.3	10.6	9.9	8.9	8.0	7.3	6.5	5.8
137.5°	13.5	12.7	11.8	10.9	10.0	9.2	8.6	7.8	7.0	6.1	5.3
140°	12.8	12.1	11.4	10.6	9.7	8.8	8.0	7.3	6.6	6.0	5.2
142.5°	12.2	11.4	10.8	10.2	9.4	8.6	7.8	7.0	6.3	5.5	4.9
145°	11.8	10.9	10.1	9.4	8.9	8.3	7.6	6.9	6.1	5.4	4.7
147.5°	10.8	10.3	9.7	9.0	8.3	7.6	7.1	6.5	5.9	5.3	4.6
150°	10.0	9.4	9.0	8.5	8.0	7.3	6.7	6.0	5.4	4.8	4.2
152.5°	9.5	8.9	8.3	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.0
155°	8.5	8.2	7.7	7.3	6.7	6.2	5.7	5.2	4.7	4.2	3.7
157.5°	7.9	7.4	6.9	6.5	6.1	5.7	5.3	4.8	4.3	3.8	3.4
160°	7.2	6.8	6.4	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3.1
162.5°	6.3	6.0	5.6	5.3	5.0	4.7	4.3	3.9	3.5	3.1	2.7
165°	5.3	5.1	4.8	4.5	4.3	4.0	3.7	3.4	3.0	2.7	2.4
167.5°	4.4	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
170°	3.5	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6
172.5°	2.6	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.5	1.3	1.2
175°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
177.5°	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.2
5°	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.5
7.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
10°	1.4	1.1	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
12.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.1
15°	2.1	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
17.5°	2.3	1.9	1.5	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.5
20°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
22.5°	2.9	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
25°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
27.5°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
30°	3.7	3.1	2.5	1.9	1.2	0.6	0.0	0.6	1.2	1.9	2.5
32.5°	3.9	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
35°	4.0	3.3	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
37.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
40°	4.5	3.7	2.9	2.2	1.5	0.7	0.0	0.7	1.5	2.2	2.9
42.5°	4.6	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
45°	4.9	4.1	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
47.5°	5.0	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
50°	5.4	4.6	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
52.5°	5.9	4.8	3.8	2.9	1.9	0.9	0.0	0.9	1.9	2.9	3.8
55°	5.9	4.8	3.8	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.8
57.5°	5.8	4.8	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
60°	5.7	4.7	3.7	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.7
62.5°	5.5	4.5	3.5	2.6	1.7	0.8	0.0	0.8	1.7	2.6	3.5
65°	5.3	4.3	3.4	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.4
67.5°	5.0	4.0	3.1	2.2	1.4	0.7	0.0	0.7	1.4	2.2	3.1
70°	4.6	3.6	2.8	2.0	1.2	0.6	0.0	0.6	1.2	2.0	2.8
72.5°	4.2	3.3	2.5	1.7	1.0	0.5	0.0	0.5	1.0	1.7	2.5
75°	4.1	3.1	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
77.5°	3.7	2.6	1.9	1.2	0.5	0.1	0.0	0.1	0.5	1.2	1.9
80°	3.1	2.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
82.5°	2.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.1	2.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
102.5°	3.7	2.6	1.9	1.2	0.5	0.1	0.0	0.1	0.5	1.2	1.9
105°	4.1	3.1	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
107.5°	4.2	3.3	2.5	1.7	1.0	0.5	0.0	0.5	1.0	1.7	2.5
110°	4.6	3.6	2.8	2.0	1.2	0.6	0.0	0.6	1.2	2.0	2.8



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	5.0	4.0	3.1	2.2	1.4	0.7	0.0	0.7	1.4	2.2	3.1
115°	5.3	4.3	3.4	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.4
117.5°	5.5	4.5	3.5	2.6	1.7	0.8	0.0	0.8	1.7	2.6	3.5
120°	5.7	4.7	3.7	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.7
122.5°	5.8	4.8	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
125°	5.9	4.8	3.8	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.8
127.5°	5.9	4.8	3.8	2.9	1.9	0.9	0.0	0.9	1.9	2.9	3.8
130°	5.4	4.6	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
132.5°	5.0	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
135°	4.9	4.1	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
137.5°	4.6	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
140°	4.5	3.7	2.9	2.2	1.5	0.7	0.0	0.7	1.5	2.2	2.9
142.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
145°	4.0	3.3	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
147.5°	3.9	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
150°	3.7	3.1	2.5	1.9	1.2	0.6	0.0	0.6	1.2	1.9	2.5
152.5°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
155°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
157.5°	2.9	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
160°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
162.5°	2.3	1.9	1.5	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.5
165°	2.1	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
167.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.1
170°	1.4	1.1	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
172.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
175°	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.5
177.5°	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.7	0.8
5°	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
7.5°	0.8	1.0	1.2	1.3	1.5	1.7	1.8	2.0	2.1	2.2	2.4
10°	1.1	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2
12.5°	1.4	1.7	2.0	2.3	2.5	2.8	3.0	3.3	3.5	3.8	4.0
15°	1.7	2.1	2.4	2.7	3.0	3.4	3.7	4.0	4.3	4.5	4.8
17.5°	1.9	2.3	2.7	3.1	3.5	3.9	4.3	4.7	5.0	5.3	5.6
20°	2.2	2.6	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.4
22.5°	2.4	2.9	3.4	3.8	4.3	4.8	5.3	5.7	6.1	6.5	6.9
25°	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.3	7.7
27.5°	2.8	3.4	4.0	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.3
30°	3.1	3.7	4.2	4.8	5.4	6.0	6.7	7.3	8.0	8.5	9.0
32.5°	3.2	3.9	4.6	5.3	5.9	6.5	7.1	7.6	8.3	9.0	9.7
35°	3.3	4.0	4.7	5.4	6.1	6.9	7.6	8.3	8.9	9.4	10.1
37.5°	3.5	4.2	4.9	5.5	6.3	7.0	7.8	8.6	9.4	10.2	10.8
40°	3.7	4.5	5.2	6.0	6.6	7.3	8.0	8.8	9.7	10.6	11.4
42.5°	3.9	4.6	5.3	6.1	7.0	7.8	8.6	9.2	10.0	10.9	11.8
45°	4.1	4.9	5.8	6.5	7.3	8.0	8.9	9.9	10.6	11.3	12.2
47.5°	4.2	5.0	5.8	6.8	7.7	8.5	9.2	10.0	11.1	12.0	12.8
50°	4.6	5.4	6.2	7.0	7.7	8.7	9.7	10.5	11.3	12.3	13.5
52.5°	4.8	5.9	6.8	7.5	8.2	9.0	9.9	10.9	11.8	12.7	13.8
55°	4.8	5.9	7.0	7.9	8.7	9.4	10.2	11.2	12.2	13.2	14.1
57.5°	4.8	5.8	6.8	7.8	8.9	10.0	10.6	11.4	12.6	13.7	14.6
60°	4.7	5.7	6.8	7.8	8.9	10.0	11.3	11.9	12.7	14.1	15.3
62.5°	4.5	5.5	6.6	7.7	9.0	10.0	11.2	12.6	13.2	14.4	16.1
65°	4.3	5.3	6.4	7.6	8.9	10.2	11.4	12.5	13.8	14.7	16.4
67.5°	4.0	5.0	6.1	7.3	8.7	10.1	11.3	12.3	13.8	15.2	16.7
70°	3.6	4.6	5.8	7.1	8.4	9.6	10.8	12.1	13.6	15.3	17.0
72.5°	3.3	4.2	5.4	6.6	7.8	9.0	10.5	11.8	13.4	15.3	17.2
75°	3.1	4.1	4.9	6.1	7.3	8.6	10.0	11.6	13.0	15.3	17.2
77.5°	2.6	3.7	4.6	5.7	7.0	8.2	9.5	11.4	12.8	15.2	17.5
80°	2.2	3.1	4.3	5.4	6.7	8.0	9.2	10.9	12.7	15.1	17.8
82.5°	1.6	2.7	3.9	5.2	6.3	7.5	8.8	10.4	12.6	15.0	18.1
85°	0.7	2.4	3.7	4.8	5.8	7.1	8.4	10.1	12.4	15.0	18.4
87.5°	0.2	2.4	3.7	4.6	5.4	6.7	8.0	9.8	12.3	15.2	18.9
90°	0.0	2.6	3.9	4.5	5.2	6.5	7.8	9.7	12.3	15.6	19.5
92.5°	0.2	2.4	3.7	4.6	5.4	6.7	8.0	9.8	12.3	15.2	18.9
95°	0.7	2.4	3.7	4.8	5.8	7.1	8.4	10.1	12.4	15.0	18.4
97.5°	1.6	2.7	3.9	5.2	6.3	7.5	8.8	10.4	12.6	15.0	18.1
100°	2.2	3.1	4.3	5.4	6.7	8.0	9.2	10.9	12.7	15.1	17.8
102.5°	2.6	3.7	4.6	5.7	7.0	8.2	9.5	11.4	12.8	15.2	17.5
105°	3.1	4.1	4.9	6.1	7.3	8.6	10.0	11.6	13.0	15.3	17.2
107.5°	3.3	4.2	5.4	6.6	7.8	9.0	10.5	11.8	13.4	15.3	17.2
110°	3.6	4.6	5.8	7.1	8.4	9.6	10.8	12.1	13.6	15.3	17.0



TEST NUMBER: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	4.0	5.0	6.1	7.3	8.7	10.1	11.3	12.3	13.8	15.2	16.7
115°	4.3	5.3	6.4	7.6	8.9	10.2	11.4	12.5	13.8	14.7	16.4
117.5°	4.5	5.5	6.6	7.7	9.0	10.0	11.2	12.6	13.2	14.4	16.1
120°	4.7	5.7	6.8	7.8	8.9	10.0	11.3	11.9	12.7	14.1	15.3
122.5°	4.8	5.8	6.8	7.8	8.9	10.0	10.6	11.4	12.6	13.7	14.6
125°	4.8	5.9	7.0	7.9	8.7	9.4	10.2	11.2	12.2	13.2	14.1
127.5°	4.8	5.9	6.8	7.5	8.2	9.0	9.9	10.9	11.8	12.7	13.8
130°	4.6	5.4	6.2	7.0	7.7	8.7	9.7	10.5	11.3	12.3	13.5
132.5°	4.2	5.0	5.8	6.8	7.7	8.5	9.2	10.0	11.1	12.0	12.8
135°	4.1	4.9	5.8	6.5	7.3	8.0	8.9	9.9	10.6	11.3	12.2
137.5°	3.9	4.6	5.3	6.1	7.0	7.8	8.6	9.2	10.0	10.9	11.8
140°	3.7	4.5	5.2	6.0	6.6	7.3	8.0	8.8	9.7	10.6	11.4
142.5°	3.5	4.2	4.9	5.5	6.3	7.0	7.8	8.6	9.4	10.2	10.8
145°	3.3	4.0	4.7	5.4	6.1	6.9	7.6	8.3	8.9	9.4	10.1
147.5°	3.2	3.9	4.6	5.3	5.9	6.5	7.1	7.6	8.3	9.0	9.7
150°	3.1	3.7	4.2	4.8	5.4	6.0	6.7	7.3	8.0	8.5	9.0
152.5°	2.8	3.4	4.0	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.3
155°	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.3	7.7
157.5°	2.4	2.9	3.4	3.8	4.3	4.8	5.3	5.7	6.1	6.5	6.9
160°	2.2	2.6	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.4
162.5°	1.9	2.3	2.7	3.1	3.5	3.9	4.3	4.7	5.0	5.3	5.6
165°	1.7	2.1	2.4	2.7	3.0	3.4	3.7	4.0	4.3	4.5	4.8
167.5°	1.4	1.7	2.0	2.3	2.5	2.8	3.0	3.3	3.5	3.8	4.0
170°	1.1	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2
172.5°	0.8	1.0	1.2	1.3	1.5	1.7	1.8	2.0	2.1	2.2	2.4
175°	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
177.5°	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.7	0.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2
5°	1.7	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4
7.5°	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.5
10°	3.4	3.5	3.7	3.9	4.0	4.1	4.3	4.4	4.5	4.6	4.7
12.5°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.8	5.9
15°	5.1	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.1
17.5°	6.0	6.3	6.5	6.8	7.1	7.3	7.5	7.7	7.9	8.1	8.3
20°	6.8	7.2	7.5	7.8	8.1	8.4	8.6	8.9	9.1	9.3	9.5
22.5°	7.4	7.9	8.3	8.8	9.2	9.5	9.7	10.0	10.3	10.5	10.7
25°	8.2	8.5	8.9	9.5	10.0	10.6	10.9	11.2	11.4	11.7	12.3
27.5°	8.9	9.5	9.9	10.3	10.7	11.3	12.2	13.0	13.7	14.6	15.5
30°	9.4	10.0	10.7	11.4	12.0	12.7	13.7	14.8	15.9	17.0	18.2
32.5°	10.3	10.8	11.5	12.3	13.3	14.1	15.1	16.3	17.6	19.0	20.5
35°	10.9	11.8	12.4	13.1	14.1	15.2	16.3	17.5	19.0	20.6	22.4
37.5°	11.4	12.2	13.2	14.0	14.8	15.9	17.2	18.6	20.2	22.0	23.9
40°	12.1	12.8	13.7	14.6	15.6	16.6	17.9	19.4	21.2	23.1	25.3
42.5°	12.7	13.5	14.3	15.2	16.2	17.4	18.6	20.1	21.9	24.2	26.6
45°	13.2	14.0	14.9	15.8	16.8	18.0	19.3	20.7	22.6	25.0	27.7
47.5°	13.6	14.6	15.5	16.3	17.4	18.6	19.8	21.4	23.3	25.5	28.6
50°	14.3	15.2	16.1	17.0	18.0	19.2	20.5	22.1	24.5	27.0	29.8
52.5°	15.0	15.9	16.8	17.8	18.6	20.5	22.7	24.9	27.1	29.3	31.5
55°	15.3	16.6	17.6	19.3	21.1	23.0	25.3	27.7	29.9	31.9	33.7
57.5°	15.7	17.5	19.3	21.2	23.3	25.5	27.8	30.4	32.9	34.8	36.2
60°	16.7	18.4	20.7	22.8	25.2	27.8	30.3	33.0	35.8	37.8	39.1
62.5°	17.5	19.3	21.7	24.2	26.8	29.8	32.8	35.7	38.6	41.0	42.2
65°	18.3	20.1	22.5	25.4	28.3	31.6	35.0	38.3	41.4	44.4	45.4
67.5°	18.9	20.8	23.3	26.4	29.7	33.3	37.2	40.8	44.2	47.6	48.7
70°	19.2	21.5	24.1	27.2	31.0	34.8	39.2	43.3	47.0	50.4	51.3
72.5°	19.5	22.1	24.7	28.1	32.1	36.1	40.4	44.4	47.5	50.1	51.1
75°	19.8	22.6	25.5	28.9	32.9	36.8	41.0	44.9	48.0	50.1	51.0
77.5°	20.2	23.2	26.3	29.8	33.8	37.8	41.7	45.7	48.7	50.3	51.0
80°	20.6	23.8	27.2	30.8	34.9	38.9	42.7	46.6	49.5	50.7	51.1
82.5°	21.1	24.5	28.2	31.8	36.2	40.2	43.8	47.6	50.5	51.3	51.1
85°	21.7	25.3	29.3	32.9	37.6	41.6	45.1	48.7	51.6	51.9	51.2
87.5°	22.5	26.2	30.5	34.2	39.2	43.1	46.5	50.0	52.7	52.5	51.3
90°	23.4	27.3	31.8	35.7	40.9	44.8	48.0	51.3	53.9	53.2	51.3
92.5°	22.5	26.2	30.5	34.2	39.2	43.1	46.5	50.0	52.7	52.5	51.3
95°	21.7	25.3	29.3	32.9	37.6	41.6	45.1	48.7	51.6	51.9	51.2
97.5°	21.1	24.5	28.2	31.8	36.2	40.2	43.8	47.6	50.5	51.3	51.1
100°	20.6	23.8	27.2	30.8	34.9	38.9	42.7	46.6	49.5	50.7	51.1
102.5°	20.2	23.2	26.3	29.8	33.8	37.8	41.7	45.7	48.7	50.3	51.0
105°	19.8	22.6	25.5	28.9	32.9	36.8	41.0	44.9	48.0	50.1	51.0
107.5°	19.5	22.1	24.7	28.1	32.1	36.1	40.4	44.4	47.5	50.1	51.1
110°	19.2	21.5	24.1	27.2	31.0	34.8	39.2	43.3	47.0	50.4	51.3



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	18.9	20.8	23.3	26.4	29.7	33.3	37.2	40.8	44.2	47.6	48.7
115°	18.3	20.1	22.5	25.4	28.3	31.6	35.0	38.3	41.4	44.4	45.4
117.5°	17.5	19.3	21.7	24.2	26.8	29.8	32.8	35.7	38.6	41.0	42.2
120°	16.7	18.4	20.7	22.8	25.2	27.8	30.3	33.0	35.8	37.8	39.1
122.5°	15.7	17.5	19.3	21.2	23.3	25.5	27.8	30.4	32.9	34.8	36.2
125°	15.3	16.6	17.6	19.3	21.1	23.0	25.3	27.7	29.9	31.9	33.7
127.5°	15.0	15.9	16.8	17.8	18.6	20.5	22.7	24.9	27.1	29.3	31.5
130°	14.3	15.2	16.1	17.0	18.0	19.2	20.5	22.1	24.5	27.0	29.8
132.5°	13.6	14.6	15.5	16.3	17.4	18.6	19.8	21.4	23.3	25.5	28.6
135°	13.2	14.0	14.9	15.8	16.8	18.0	19.3	20.7	22.6	25.0	27.7
137.5°	12.7	13.5	14.3	15.2	16.2	17.4	18.6	20.1	21.9	24.2	26.6
140°	12.1	12.8	13.7	14.6	15.6	16.6	17.9	19.4	21.2	23.1	25.3
142.5°	11.4	12.2	13.2	14.0	14.8	15.9	17.2	18.6	20.2	22.0	23.9
145°	10.9	11.8	12.4	13.1	14.1	15.2	16.3	17.5	19.0	20.6	22.4
147.5°	10.3	10.8	11.5	12.3	13.3	14.1	15.1	16.3	17.6	19.0	20.5
150°	9.4	10.0	10.7	11.4	12.0	12.7	13.7	14.8	15.9	17.0	18.2
152.5°	8.9	9.5	9.9	10.3	10.7	11.3	12.2	13.0	13.7	14.6	15.5
155°	8.2	8.5	8.9	9.5	10.0	10.6	10.9	11.2	11.4	11.7	12.3
157.5°	7.4	7.9	8.3	8.8	9.2	9.5	9.7	10.0	10.3	10.5	10.7
160°	6.8	7.2	7.5	7.8	8.1	8.4	8.6	8.9	9.1	9.3	9.5
162.5°	6.0	6.3	6.5	6.8	7.1	7.3	7.5	7.7	7.9	8.1	8.3
165°	5.1	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.1
167.5°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.8	5.9
170°	3.4	3.5	3.7	3.9	4.0	4.1	4.3	4.4	4.5	4.6	4.7
172.5°	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.5
175°	1.7	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4
177.5°	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	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: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5
5°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.9
7.5°	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.4
10°	4.8	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.9
12.5°	6.0	6.1	6.2	6.3	6.4	6.4	6.4	6.5	6.5	6.5	7.3
15°	7.2	7.3	7.5	7.5	7.6	7.7	7.7	7.8	7.8	7.8	8.8
17.5°	8.4	8.6	8.7	8.8	8.9	9.0	9.0	9.1	9.1	9.1	10.3
20°	9.7	9.8	10.0	10.1	10.2	10.3	10.3	10.4	10.4	10.4	11.7
22.5°	10.9	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.7	11.7	13.2
25°	13.0	13.7	14.3	14.8	15.3	15.6	15.8	15.9	15.9	15.9	17.4
27.5°	16.5	17.5	18.4	19.2	19.8	20.2	20.3	20.3	20.2	20.1	21.6
30°	19.6	20.9	22.2	23.4	24.2	24.8	24.8	24.7	24.5	24.2	25.8
32.5°	22.2	24.0	25.7	27.3	28.5	29.3	29.4	29.2	28.8	28.4	30.0
35°	24.4	26.6	28.9	31.0	32.7	33.7	34.0	33.7	33.2	32.6	34.2
37.5°	26.3	28.9	31.8	34.4	36.9	38.1	38.7	38.2	37.5	36.8	38.3
40°	27.9	30.9	34.3	37.6	40.5	42.4	43.4	42.7	41.9	40.9	42.5
42.5°	29.2	32.7	36.5	40.8	44.1	46.6	48.1	47.3	46.3	45.1	46.6
45°	30.6	34.2	38.5	43.2	47.5	50.9	52.5	51.9	50.7	49.3	50.7
47.5°	31.8	35.1	39.3	43.9	48.2	52.0	53.9	54.0	53.5	53.2	55.9
50°	32.7	35.4	39.3	43.6	48.1	52.2	54.7	55.8	56.3	57.1	61.3
52.5°	34.0	36.3	39.5	43.5	47.9	52.2	55.5	57.6	58.9	61.0	66.8
55°	35.6	37.6	40.0	43.5	47.8	52.3	56.2	59.2	61.5	64.9	72.4
57.5°	37.7	39.0	40.7	43.8	47.8	52.4	56.9	60.7	64.0	68.8	78.0
60°	40.0	40.8	41.7	44.3	48.0	52.5	57.4	62.2	66.5	72.7	83.7
62.5°	42.6	42.8	43.2	45.1	48.3	52.6	58.0	63.5	68.9	76.6	89.5
65°	45.5	45.1	44.8	45.9	48.6	52.8	58.4	64.8	71.3	80.5	95.3
67.5°	48.5	47.6	46.6	47.0	49.1	53.0	58.8	66.0	73.6	84.4	101.2
70°	50.4	48.7	47.2	47.0	48.8	52.5	58.3	65.4	73.0	84.0	100.7
72.5°	50.2	48.4	46.8	46.6	48.3	52.0	57.7	64.8	72.4	83.5	100.1
75°	50.0	48.1	46.5	46.2	47.8	51.5	57.2	64.1	71.8	83.1	100.0
77.5°	49.8	47.7	46.0	45.8	47.3	51.0	56.8	63.5	71.2	82.7	99.1
80°	49.6	47.3	45.6	45.5	46.9	50.6	56.4	63.0	70.7	82.2	98.3
82.5°	49.4	46.9	45.1	45.1	46.4	50.2	56.0	62.4	70.2	81.8	97.4
85°	49.2	46.4	44.6	44.8	46.1	49.8	55.7	61.9	69.7	81.4	96.5
87.5°	49.0	45.9	44.0	44.5	45.7	49.5	55.4	61.4	69.2	80.9	95.7
90°	48.7	45.4	43.5	44.2	45.4	49.3	55.2	61.0	68.8	80.5	94.8
92.5°	49.0	45.9	44.0	44.5	45.7	49.5	55.4	61.4	69.2	80.9	95.7
95°	49.2	46.4	44.6	44.8	46.1	49.8	55.7	61.9	69.7	81.4	96.5
97.5°	49.4	46.9	45.1	45.1	46.4	50.2	56.0	62.4	70.2	81.8	97.4
100°	49.6	47.3	45.6	45.5	46.9	50.6	56.4	63.0	70.7	82.2	98.3
102.5°	49.8	47.7	46.0	45.8	47.3	51.0	56.8	63.5	71.2	82.7	99.1
105°	50.0	48.1	46.5	46.2	47.8	51.5	57.2	64.1	71.8	83.1	100.0
107.5°	50.2	48.4	46.8	46.6	48.3	52.0	57.7	64.8	72.4	83.5	100.1
110°	50.4	48.7	47.2	47.0	48.8	52.5	58.3	65.4	73.0	84.0	100.7





TEST NUMBER: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	48.5	47.6	46.6	47.0	49.1	53.0	58.8	66.0	73.6	84.4	101.2
115°	45.5	45.1	44.8	45.9	48.6	52.8	58.4	64.8	71.3	80.5	95.3
117.5°	42.6	42.8	43.2	45.1	48.3	52.6	58.0	63.5	68.9	76.6	89.5
120°	40.0	40.8	41.7	44.3	48.0	52.5	57.4	62.2	66.5	72.7	83.7
122.5°	37.7	39.0	40.7	43.8	47.8	52.4	56.9	60.7	64.0	68.8	78.0
125°	35.6	37.6	40.0	43.5	47.8	52.3	56.2	59.2	61.5	64.9	72.4
127.5°	34.0	36.3	39.5	43.5	47.9	52.2	55.5	57.6	58.9	61.0	66.8
130°	32.7	35.4	39.3	43.6	48.1	52.2	54.7	55.8	56.3	57.1	61.3
132.5°	31.8	35.1	39.3	43.9	48.2	52.0	53.9	54.0	53.5	53.2	55.9
135°	30.6	34.2	38.5	43.2	47.5	50.9	52.5	51.9	50.7	49.3	50.7
137.5°	29.2	32.7	36.5	40.8	44.1	46.6	48.1	47.3	46.3	45.1	46.6
140°	27.9	30.9	34.3	37.6	40.5	42.4	43.4	42.7	41.9	40.9	42.5
142.5°	26.3	28.9	31.8	34.4	36.9	38.1	38.7	38.2	37.5	36.8	38.3
145°	24.4	26.6	28.9	31.0	32.7	33.7	34.0	33.7	33.2	32.6	34.2
147.5°	22.2	24.0	25.7	27.3	28.5	29.3	29.4	29.2	28.8	28.4	30.0
150°	19.6	20.9	22.2	23.4	24.2	24.8	24.8	24.7	24.5	24.2	25.8
152.5°	16.5	17.5	18.4	19.2	19.8	20.2	20.3	20.3	20.2	20.1	21.6
155°	13.0	13.7	14.3	14.8	15.3	15.6	15.8	15.9	15.9	15.9	17.4
157.5°	10.9	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.7	11.7	13.2
160°	9.7	9.8	10.0	10.1	10.2	10.3	10.3	10.4	10.4	10.4	11.7
162.5°	8.4	8.6	8.7	8.8	8.9	9.0	9.0	9.1	9.1	9.1	10.3
165°	7.2	7.3	7.5	7.5	7.6	7.7	7.7	7.8	7.8	7.8	8.8
167.5°	6.0	6.1	6.2	6.3	6.4	6.4	6.4	6.5	6.5	6.5	7.3
170°	4.8	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.9
172.5°	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.4
175°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.9
177.5°	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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: P231899

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.6	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1
5°	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	5.9	6.2
7.5°	4.9	5.4	5.9	6.3	6.8	7.2	7.7	8.3	8.9	9.5	10.1
10°	6.5	7.2	7.8	8.4	9.1	10.0	10.8	11.6	12.4	13.2	14.0
12.5°	8.2	9.0	9.8	10.7	11.7	12.8	13.8	14.9	15.8	16.7	17.6
15°	9.8	10.8	11.8	13.1	14.3	15.6	16.8	17.9	19.0	20.1	21.2
17.5°	11.4	12.5	13.9	15.4	16.9	18.3	19.6	20.9	22.1	23.3	24.5
20°	13.0	14.3	16.1	17.8	19.4	20.8	22.3	23.7	25.0	26.4	27.7
22.5°	14.6	16.3	18.2	20.0	21.7	23.3	24.8	26.4	27.9	29.4	30.8
25°	18.9	20.6	22.5	24.3	25.8	27.2	28.5	29.8	31.0	32.1	33.7
27.5°	23.1	25.1	27.2	29.0	30.6	32.1	33.4	34.7	36.0	37.2	38.0
30°	27.4	29.6	31.9	33.6	35.5	36.8	38.1	39.5	40.8	41.8	42.6
32.5°	31.7	34.1	36.3	38.2	39.9	41.3	42.7	44.2	45.3	46.2	47.3
35°	36.0	38.5	40.8	42.8	44.3	45.8	47.3	48.7	49.5	50.5	52.1
37.5°	40.3	42.9	45.2	47.3	48.6	50.1	51.7	52.7	53.6	54.9	56.6
40°	44.5	47.3	49.6	51.6	52.8	54.4	55.9	56.6	57.6	59.0	61.4
42.5°	48.8	51.6	54.0	55.7	56.9	58.6	59.7	60.3	61.5	63.3	65.9
45°	53.0	55.9	58.3	59.7	61.0	62.8	63.4	64.1	65.1	67.6	70.4
47.5°	59.8	63.9	67.3	68.7	69.3	69.5	68.8	68.2	69.1	71.8	74.7
50°	66.9	72.7	77.5	80.0	80.1	79.5	78.8	78.4	79.0	79.9	81.1
52.5°	74.3	81.8	87.9	91.6	90.4	89.5	88.9	88.7	89.5	90.4	92.0
55°	81.8	91.1	98.5	102.8	100.4	99.4	99.1	99.3	99.9	100.6	102.4
57.5°	89.5	100.6	109.5	113.5	110.1	109.3	109.3	109.6	110.0	110.6	112.2
60°	97.4	110.4	120.6	123.9	120.1	119.3	119.5	119.8	119.9	120.3	121.1
62.5°	105.4	120.4	131.9	134.1	130.0	129.4	129.7	129.8	129.5	129.6	129.5
65°	113.4	130.5	143.5	144.0	139.9	139.6	139.9	139.6	139.0	138.4	137.4
67.5°	121.6	140.7	155.1	153.8	149.9	149.7	149.9	149.3	148.1	146.7	144.6
70°	121.5	141.6	157.7	158.0	156.3	156.5	156.8	156.5	155.7	154.1	151.4
72.5°	121.0	141.7	159.0	161.5	161.4	161.1	160.5	160.0	158.7	156.4	153.9
75°	120.4	141.7	160.3	165.5	166.7	165.5	164.2	163.5	161.6	158.6	155.9
77.5°	119.7	141.6	161.6	169.9	172.0	169.6	167.7	166.9	164.4	160.7	158.1
80°	119.5	141.5	162.9	174.7	177.3	173.7	171.2	170.4	167.0	162.8	160.2
82.5°	118.4	141.8	164.9	179.7	182.7	177.7	174.6	173.9	169.7	164.8	162.5
85°	117.2	141.1	165.6	185.2	188.1	181.4	178.0	177.4	172.4	166.9	164.8
87.5°	116.1	140.3	166.2	190.0	193.4	185.5	181.5	180.9	175.0	169.0	167.1
90°	114.9	139.6	166.9	194.8	198.7	189.6	185.0	184.4	177.9	171.4	169.5
92.5°	116.1	140.3	166.2	190.0	193.4	185.5	181.5	180.9	175.0	169.0	167.1
95°	117.2	141.1	165.6	185.2	188.1	181.4	178.0	177.4	172.4	166.9	164.8
97.5°	118.4	141.8	164.9	179.7	182.7	177.7	174.6	173.9	169.7	164.8	162.5
100°	119.5	141.5	162.9	174.7	177.3	173.7	171.2	170.4	167.0	162.8	160.2
102.5°	119.7	141.6	161.6	169.9	172.0	169.6	167.7	166.9	164.4	160.7	158.1
105°	120.4	141.7	160.3	165.5	166.7	165.5	164.2	163.5	161.6	158.6	155.9
107.5°	121.0	141.7	159.0	161.5	161.4	161.1	160.5	160.0	158.7	156.4	153.9
110°	121.5	141.6	157.7	158.0	156.3	156.5	156.8	156.5	155.7	154.1	151.4



TEST NUMBER: P231899

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	121.6	140.7	155.1	153.8	149.9	149.7	149.9	149.3	148.1	146.7	144.6
115°	113.4	130.5	143.5	144.0	139.9	139.6	139.9	139.6	139.0	138.4	137.4
117.5°	105.4	120.4	131.9	134.1	130.0	129.4	129.7	129.8	129.5	129.6	129.5
120°	97.4	110.4	120.6	123.9	120.1	119.3	119.5	119.8	119.9	120.3	121.1
122.5°	89.5	100.6	109.5	113.5	110.1	109.3	109.3	109.6	110.0	110.6	112.2
125°	81.8	91.1	98.5	102.8	100.4	99.4	99.1	99.3	99.9	100.6	102.4
127.5°	74.3	81.8	87.9	91.6	90.4	89.5	88.9	88.7	89.5	90.4	92.0
130°	66.9	72.7	77.5	80.0	80.1	79.5	78.8	78.4	79.0	79.9	81.1
132.5°	59.8	63.9	67.3	68.7	69.3	69.5	68.8	68.2	69.1	71.8	74.7
135°	53.0	55.9	58.3	59.7	61.0	62.8	63.4	64.1	65.1	67.6	70.4
137.5°	48.8	51.6	54.0	55.7	56.9	58.6	59.7	60.3	61.5	63.3	65.9
140°	44.5	47.3	49.6	51.6	52.8	54.4	55.9	56.6	57.6	59.0	61.4
142.5°	40.3	42.9	45.2	47.3	48.6	50.1	51.7	52.7	53.6	54.9	56.6
145°	36.0	38.5	40.8	42.8	44.3	45.8	47.3	48.7	49.5	50.5	52.1
147.5°	31.7	34.1	36.3	38.2	39.9	41.3	42.7	44.2	45.3	46.2	47.3
150°	27.4	29.6	31.9	33.6	35.5	36.8	38.1	39.5	40.8	41.8	42.6
152.5°	23.1	25.1	27.2	29.0	30.6	32.1	33.4	34.7	36.0	37.2	38.0
155°	18.9	20.6	22.5	24.3	25.8	27.2	28.5	29.8	31.0	32.1	33.7
157.5°	14.6	16.3	18.2	20.0	21.7	23.3	24.8	26.4	27.9	29.4	30.8
160°	13.0	14.3	16.1	17.8	19.4	20.8	22.3	23.7	25.0	26.4	27.7
162.5°	11.4	12.5	13.9	15.4	16.9	18.3	19.6	20.9	22.1	23.3	24.5
165°	9.8	10.8	11.8	13.1	14.3	15.6	16.8	17.9	19.0	20.1	21.2
167.5°	8.2	9.0	9.8	10.7	11.7	12.8	13.8	14.9	15.8	16.7	17.6
170°	6.5	7.2	7.8	8.4	9.1	10.0	10.8	11.6	12.4	13.2	14.0
172.5°	4.9	5.4	5.9	6.3	6.8	7.2	7.7	8.3	8.9	9.5	10.1
175°	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	5.9	6.2
177.5°	1.6	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.9	3.9	4.0
5°	6.5	6.9	7.2	7.5	7.8	8.1	8.4	8.6	8.8	9.0	9.2
7.5°	10.6	11.1	11.6	12.1	12.6	13.0	13.4	13.7	14.1	14.4	14.7
10°	14.6	15.3	15.9	16.5	17.1	17.7	18.2	18.7	19.2	19.6	20.0
12.5°	18.4	19.3	20.1	20.8	21.5	22.2	22.9	23.5	24.1	24.7	25.3
15°	22.1	23.1	24.0	24.9	25.8	26.7	27.7	28.6	29.4	30.2	31.0
17.5°	25.6	26.9	27.9	29.1	30.2	31.3	32.4	33.3	34.3	35.2	36.1
20°	29.1	30.4	31.7	33.0	34.2	35.3	36.5	37.6	38.8	39.9	40.9
22.5°	32.3	33.7	35.0	36.3	37.7	39.2	40.7	42.1	43.3	44.2	45.0
25°	35.1	36.5	38.0	39.7	41.6	43.3	45.0	46.4	47.6	48.7	49.9
27.5°	38.8	39.9	41.4	43.5	45.8	47.9	50.0	51.7	53.4	54.9	56.1
30°	43.8	45.4	47.1	49.1	51.1	53.5	56.1	58.3	60.2	61.9	63.3
32.5°	48.9	50.8	53.0	55.3	57.9	60.6	63.2	65.6	67.8	69.6	71.2
35°	53.9	56.3	58.8	61.7	64.6	67.6	70.4	73.1	75.6	78.1	80.6
37.5°	59.1	61.7	64.7	67.9	71.3	74.5	77.6	80.6	83.9	87.3	90.0
40°	64.0	67.1	70.5	74.2	77.9	81.4	85.0	88.6	92.2	95.9	99.6
42.5°	69.0	72.3	76.4	80.5	84.4	88.4	92.3	96.6	101.1	105.7	110.6
45°	73.6	77.9	82.3	86.7	91.0	95.2	100.1	104.9	110.1	116.0	122.9
47.5°	78.6	83.3	88.1	92.7	97.2	102.5	107.7	113.2	119.8	127.2	136.4
50°	84.0	88.7	93.8	98.5	104.0	109.6	115.0	121.9	130.0	139.9	151.0
52.5°	94.6	97.7	100.7	104.5	110.9	116.0	122.5	130.8	141.0	153.3	168.2
55°	104.6	107.0	109.6	113.5	117.7	122.4	129.9	140.2	152.7	168.2	185.8
57.5°	113.7	115.3	117.7	121.3	125.3	132.1	140.1	149.9	165.5	183.3	203.3
60°	122.0	122.9	125.0	128.5	134.1	142.0	150.8	163.7	179.4	197.6	223.5
62.5°	129.5	129.9	131.4	135.1	143.3	151.7	162.0	176.0	193.7	217.5	244.5
65°	136.4	136.1	137.8	143.1	152.3	160.2	172.0	188.5	210.0	236.1	265.3
67.5°	142.7	141.5	143.8	151.6	160.1	168.7	181.4	199.6	225.0	252.9	284.4
70°	148.6	146.5	149.3	159.9	167.0	176.0	191.0	212.3	238.3	267.1	301.9
72.5°	151.7	151.1	156.1	167.2	173.1	182.2	199.2	223.0	249.1	280.0	315.2
75°	153.9	154.5	161.7	172.1	179.5	189.7	207.6	231.6	256.9	290.0	326.4
77.5°	156.2	158.0	167.0	177.3	185.7	197.6	216.6	240.2	266.5	298.9	335.3
80°	158.5	161.4	171.9	182.7	191.6	204.2	224.1	247.3	274.6	307.5	345.7
82.5°	161.0	164.7	176.3	188.0	197.2	209.8	230.0	252.8	280.3	313.4	353.3
85°	163.6	167.9	180.3	193.2	202.4	214.4	234.6	256.8	283.7	316.9	358.0
87.5°	166.2	171.1	184.1	198.4	207.4	218.4	238.4	260.1	285.9	318.9	361.1
90°	168.8	174.0	187.0	202.6	211.7	221.4	240.2	261.0	285.0	316.8	358.4
92.5°	166.2	171.1	184.1	198.4	207.4	218.4	238.4	260.1	285.9	318.9	361.1
95°	163.6	167.9	180.3	193.2	202.4	214.4	234.6	256.8	283.7	316.9	358.0
97.5°	161.0	164.7	176.3	188.0	197.2	209.8	230.0	252.8	280.3	313.4	353.3
100°	158.5	161.4	171.9	182.7	191.6	204.2	224.1	247.3	274.6	307.5	345.7
102.5°	156.2	158.0	167.0	177.3	185.7	197.6	216.6	240.2	266.5	298.9	335.3
105°	153.9	154.5	161.7	172.1	179.5	189.7	207.6	231.6	256.9	290.0	326.4
107.5°	151.7	151.1	156.1	167.2	173.1	182.2	199.2	223.0	249.1	280.0	315.2
110°	148.6	146.5	149.3	159.9	167.0	176.0	191.0	212.3	238.3	267.1	301.9



TEST NUMBER: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	142.7	141.5	143.8	151.6	160.1	168.7	181.4	199.6	225.0	252.9	284.4
115°	136.4	136.1	137.8	143.1	152.3	160.2	172.0	188.5	210.0	236.1	265.3
117.5°	129.5	129.9	131.4	135.1	143.3	151.7	162.0	176.0	193.7	217.5	244.5
120°	122.0	122.9	125.0	128.5	134.1	142.0	150.8	163.7	179.4	197.6	223.5
122.5°	113.7	115.3	117.7	121.3	125.3	132.1	140.1	149.9	165.5	183.3	203.3
125°	104.6	107.0	109.6	113.5	117.7	122.4	129.9	140.2	152.7	168.2	185.8
127.5°	94.6	97.7	100.7	104.5	110.9	116.0	122.5	130.8	141.0	153.3	168.2
130°	84.0	88.7	93.8	98.5	104.0	109.6	115.0	121.9	130.0	139.9	151.0
132.5°	78.6	83.3	88.1	92.7	97.2	102.5	107.7	113.2	119.8	127.2	136.4
135°	73.6	77.9	82.3	86.7	91.0	95.2	100.1	104.9	110.1	116.0	122.9
137.5°	69.0	72.3	76.4	80.5	84.4	88.4	92.3	96.6	101.1	105.7	110.6
140°	64.0	67.1	70.5	74.2	77.9	81.4	85.0	88.6	92.2	95.9	99.6
142.5°	59.1	61.7	64.7	67.9	71.3	74.5	77.6	80.6	83.9	87.3	90.0
145°	53.9	56.3	58.8	61.7	64.6	67.6	70.4	73.1	75.6	78.1	80.6
147.5°	48.9	50.8	53.0	55.3	57.9	60.6	63.2	65.6	67.8	69.6	71.2
150°	43.8	45.4	47.1	49.1	51.1	53.5	56.1	58.3	60.2	61.9	63.3
152.5°	38.8	39.9	41.4	43.5	45.8	47.9	50.0	51.7	53.4	54.9	56.1
155°	35.1	36.5	38.0	39.7	41.6	43.3	45.0	46.4	47.6	48.7	49.9
157.5°	32.3	33.7	35.0	36.3	37.7	39.2	40.7	42.1	43.3	44.2	45.0
160°	29.1	30.4	31.7	33.0	34.2	35.3	36.5	37.6	38.8	39.9	40.9
162.5°	25.6	26.9	27.9	29.1	30.2	31.3	32.4	33.3	34.3	35.2	36.1
165°	22.1	23.1	24.0	24.9	25.8	26.7	27.7	28.6	29.4	30.2	31.0
167.5°	18.4	19.3	20.1	20.8	21.5	22.2	22.9	23.5	24.1	24.7	25.3
170°	14.6	15.3	15.9	16.5	17.1	17.7	18.2	18.7	19.2	19.6	20.0
172.5°	10.6	11.1	11.6	12.1	12.6	13.0	13.4	13.7	14.1	14.4	14.7
175°	6.5	6.9	7.2	7.5	7.8	8.1	8.4	8.6	8.8	9.0	9.2
177.5°	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.9	3.9	4.0
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: P231899

CATALOG NUMBER: FVS4WM-2-LD4-50-1LO-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°	4.0	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.0
5°	9.4	9.5	9.7	9.8	9.8	9.9	9.9	10.0	10.1	10.0	9.9
7.5°	14.9	15.2	15.4	15.5	15.7	15.8	15.8	15.9	15.9	16.0	15.9
10°	20.3	20.6	20.9	21.1	21.3	21.5	21.6	21.7	21.7	21.9	21.7
12.5°	25.9	26.4	26.9	27.3	27.7	28.0	28.3	28.5	28.6	28.7	28.9
15°	31.7	32.3	32.9	33.5	34.0	34.4	34.8	35.1	35.4	35.6	35.9
17.5°	36.9	37.7	38.3	38.9	39.5	39.9	40.3	40.6	40.8	40.9	41.1
20°	41.8	42.5	42.9	43.2	43.3	43.3	43.3	43.2	42.9	42.7	42.4
22.5°	45.6	46.0	46.5	46.9	47.1	47.2	47.1	46.8	46.5	46.1	45.6
25°	50.8	51.5	51.9	52.2	52.4	52.3	52.0	51.6	51.0	50.3	49.4
27.5°	57.1	57.8	58.2	58.6	58.9	59.1	59.0	58.7	58.2	57.6	56.7
30°	64.4	65.4	66.2	66.8	68.1	69.2	70.0	70.7	71.1	71.2	70.9
32.5°	72.9	74.9	76.9	78.7	80.3	81.8	83.1	84.1	84.8	85.3	85.3
35°	83.1	85.6	88.0	90.2	92.6	95.7	98.7	101.4	103.6	105.5	106.9
37.5°	93.0	96.2	100.4	104.6	108.8	112.9	116.8	120.1	123.0	125.3	127.0
40°	104.1	108.9	114.5	120.0	125.2	131.0	137.2	143.0	148.1	152.5	156.1
42.5°	116.6	122.8	129.7	138.0	146.1	154.3	163.5	172.0	179.7	186.4	192.0
45°	130.3	139.2	148.0	159.3	170.9	183.4	194.0	205.0	214.9	223.6	231.0
47.5°	146.2	158.2	170.7	183.7	198.5	212.8	227.6	242.6	256.5	269.2	280.2
50°	165.0	179.4	195.2	211.0	228.4	247.0	266.2	286.3	304.4	320.2	333.7
52.5°	184.7	201.9	221.7	241.3	263.6	287.7	311.7	334.7	354.4	370.8	384.0
55°	204.6	227.2	250.9	277.8	305.0	333.7	360.9	385.0	403.6	416.8	425.4
57.5°	227.8	254.9	283.9	315.4	349.2	382.4	416.2	435.6	447.0	454.4	458.1
60°	252.1	282.9	316.4	352.1	390.4	425.1	454.9	473.4	478.1	481.5	483.5
62.5°	275.1	309.2	346.4	386.2	422.5	454.9	477.4	494.7	499.3	502.5	504.1
65°	297.6	332.1	372.0	412.4	448.1	476.5	498.8	512.5	517.8	521.1	523.5
67.5°	318.8	355.4	395.2	437.0	474.2	506.4	523.3	530.3	532.8	535.8	538.8
70°	337.5	377.8	420.5	464.7	510.6	531.6	541.7	544.0	545.1	548.4	552.5
72.5°	354.0	397.0	443.9	493.1	530.5	549.5	553.4	555.1	558.0	561.3	565.1
75°	367.8	415.2	463.7	509.2	541.9	557.6	561.4	563.3	567.5	573.7	577.1
77.5°	378.6	430.3	476.5	520.8	550.7	563.9	567.3	569.1	577.7	584.4	585.8
80°	391.2	439.3	484.3	531.8	562.3	571.6	574.2	579.5	585.6	590.3	588.2
82.5°	400.8	447.8	496.6	541.8	568.3	577.6	581.5	586.0	589.4	591.9	593.1
85°	405.9	453.4	504.5	550.4	572.7	579.8	584.0	586.1	586.0	592.3	600.5
87.5°	408.6	455.5	507.6	555.9	576.1	579.9	579.8	582.0	587.0	596.6	599.2
90°	403.8	453.8	505.8	557.1	577.9	579.2	574.0	578.5	594.1	601.9	599.9
92.5°	408.6	455.5	507.6	555.9	576.1	579.9	579.8	582.0	587.0	596.6	599.2
95°	405.9	453.4	504.5	550.4	572.7	579.8	584.0	586.1	586.0	592.3	600.5
97.5°	400.8	447.8	496.6	541.8	568.3	577.6	581.5	586.0	589.4	591.9	593.1
100°	391.2	439.3	484.3	531.8	562.3	571.6	574.2	579.5	585.6	590.3	588.2
102.5°	378.6	430.3	476.5	520.8	550.7	563.9	567.3	569.1	577.7	584.4	585.8
105°	367.8	415.2	463.7	509.2	541.9	557.6	561.4	563.3	567.5	573.7	577.1
107.5°	354.0	397.0	443.9	493.1	530.5	549.5	553.4	555.1	558.0	561.3	565.1
110°	337.5	377.8	420.5	464.7	510.6	531.6	541.7	544.0	545.1	548.4	552.5



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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°	318.8	355.4	395.2	437.0	474.2	506.4	523.3	530.3	532.8	535.8	538.8
115°	297.6	332.1	372.0	412.4	448.1	476.5	498.8	512.5	517.8	521.1	523.5
117.5°	275.1	309.2	346.4	386.2	422.5	454.9	477.4	494.7	499.3	502.5	504.1
120°	252.1	282.9	316.4	352.1	390.4	425.1	454.9	473.4	478.1	481.5	483.5
122.5°	227.8	254.9	283.9	315.4	349.2	382.4	416.2	435.6	447.0	454.4	458.1
125°	204.6	227.2	250.9	277.8	305.0	333.7	360.9	385.0	403.6	416.8	425.4
127.5°	184.7	201.9	221.7	241.3	263.6	287.7	311.7	334.7	354.4	370.8	384.0
130°	165.0	179.4	195.2	211.0	228.4	247.0	266.2	286.3	304.4	320.2	333.7
132.5°	146.2	158.2	170.7	183.7	198.5	212.8	227.6	242.6	256.5	269.2	280.2
135°	130.3	139.2	148.0	159.3	170.9	183.4	194.0	205.0	214.9	223.6	231.0
137.5°	116.6	122.8	129.7	138.0	146.1	154.3	163.5	172.0	179.7	186.4	192.0
140°	104.1	108.9	114.5	120.0	125.2	131.0	137.2	143.0	148.1	152.5	156.1
142.5°	93.0	96.2	100.4	104.6	108.8	112.9	116.8	120.1	123.0	125.3	127.0
145°	83.1	85.6	88.0	90.2	92.6	95.7	98.7	101.4	103.6	105.5	106.9
147.5°	72.9	74.9	76.9	78.7	80.3	81.8	83.1	84.1	84.8	85.3	85.3
150°	64.4	65.4	66.2	66.8	68.1	69.2	70.0	70.7	71.1	71.2	70.9
152.5°	57.1	57.8	58.2	58.6	58.9	59.1	59.0	58.7	58.2	57.6	56.7
155°	50.8	51.5	51.9	52.2	52.4	52.3	52.0	51.6	51.0	50.3	49.4
157.5°	45.6	46.0	46.5	46.9	47.1	47.2	47.1	46.8	46.5	46.1	45.6
160°	41.8	42.5	42.9	43.2	43.3	43.3	43.3	43.2	42.9	42.7	42.4
162.5°	36.9	37.7	38.3	38.9	39.5	39.9	40.3	40.6	40.8	40.9	41.1
165°	31.7	32.3	32.9	33.5	34.0	34.4	34.8	35.1	35.4	35.6	35.9
167.5°	25.9	26.4	26.9	27.3	27.7	28.0	28.3	28.5	28.6	28.7	28.9
170°	20.3	20.6	20.9	21.1	21.3	21.5	21.6	21.7	21.7	21.9	21.7
172.5°	14.9	15.2	15.4	15.5	15.7	15.8	15.8	15.9	15.9	16.0	15.9
175°	9.4	9.5	9.7	9.8	9.8	9.9	9.9	10.0	10.1	10.0	9.9
177.5°	4.0	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.0
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°	4.0	3.9
5°	9.8	9.7
7.5°	15.7	15.6
10°	21.6	21.4
12.5°	28.7	28.6
15°	35.8	35.7
17.5°	41.0	40.9
20°	42.0	41.6
22.5°	44.9	44.2
25°	48.5	47.4
27.5°	55.8	54.5
30°	70.6	69.5
32.5°	85.3	84.4
35°	108.0	107.8
37.5°	128.5	128.6
40°	159.4	160.4
42.5°	197.1	199.3
45°	237.7	240.9
47.5°	290.6	296.1
50°	346.0	352.6
52.5°	395.6	401.3
55°	431.2	431.8
57.5°	459.8	457.1
60°	484.8	482.4
62.5°	504.2	502.5
65°	524.6	524.0
67.5°	541.1	542.1
70°	555.0	555.8
72.5°	566.9	566.8
75°	574.7	569.4
77.5°	580.3	573.3
80°	587.7	590.8
82.5°	595.8	598.0
85°	601.1	597.3
87.5°	602.4	598.6
90°	603.8	601.9
92.5°	602.4	598.6
95°	601.1	597.3
97.5°	595.8	598.0
100°	587.7	590.8
102.5°	580.3	573.3
105°	574.7	569.4
107.5°	566.9	566.8
110°	555.0	555.8





TEST NUMBER: P231899

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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	541.1	542.1
115°	524.6	524.0
117.5°	504.2	502.5
120°	484.8	482.4
122.5°	459.8	457.1
125°	431.2	431.8
127.5°	395.6	401.3
130°	346.0	352.6
132.5°	290.6	296.1
135°	237.7	240.9
137.5°	197.1	199.3
140°	159.4	160.4
142.5°	128.5	128.6
145°	108.0	107.8
147.5°	85.3	84.4
150°	70.6	69.5
152.5°	55.8	54.5
155°	48.5	47.4
157.5°	44.9	44.2
160°	42.0	41.6
162.5°	41.0	40.9
165°	35.8	35.7
167.5°	28.7	28.6
170°	21.6	21.4
172.5°	15.7	15.6
175°	9.8	9.7
177.5°	4.0	3.9
180°	0.0	0.0

(END OF REPORT)