

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: P232043

Luminaire Tested: **FVS4WM-3-LD4-50-1LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-25)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-3-LD4-50-1LO-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 1-MODULE LED WITH PA187 LENS  
Light Source: (84) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

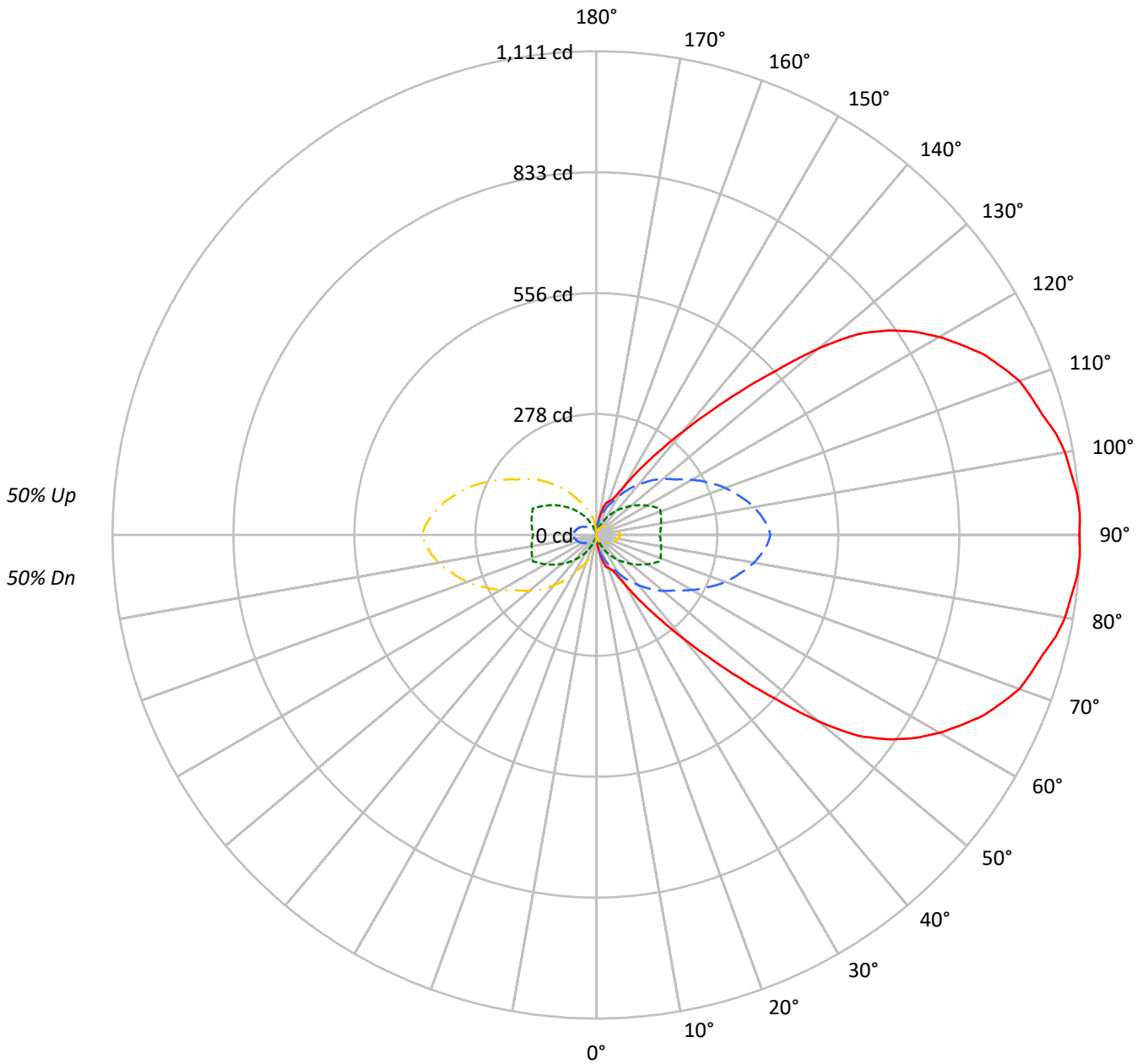
Lumens per Lamp: N/A  
Luminaire Lumens: 2551.8 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

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

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	33	28
2	80	69	60	52	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	58	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	33	58	46	37	30	37	29	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	11	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	0	0	0	0
5°	303	94	0	94
10°	629	190	0	190
15°	969	287	0	287
20°	1044	391	0	391
25°	1116	602	0	602
30°	1505	937	0	937
35°	2266	1308	0	1308
40°	3325	1723	0	1723
45°	4838	2207	0	2207
50°	6841	2808	0	2808
55°	8313	3542	0	3542
60°	9211	4469	0	4469
65°	9990	5688	0	5688
70°	10664	6962	7	6962
75°	11177	8355	7	8355
80°	11851	10646	0	10646
85°	12475	15044	0	15044



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	8.1	0.3
20°-30°	21.8	0.9
30°-40°	50.2	2.0
40°-50°	99.7	3.9
50°-60°	178.1	7.0
60°-70°	259.2	10.2
70°-80°	314.6	12.3
80°-90°	343.1	13.4
90°-100°	343.1	13.4
100°-110°	314.6	12.3
110°-120°	259.2	10.2
120°-130°	178.1	7.0
130°-140°	99.7	3.9
140°-150°	50.2	2.0
150°-160°	21.8	0.9
160°-170°	8.1	0.3
170°-180°	1.1	0.0
0°-30°	31.1	1.2
0°-40°	81.3	3.2
0°-60°	359.1	14.1
0°-90°	1275.9	50.0
90°-120°	916.9	35.9
90°-150°	1244.8	48.8
90°-180°	1276.0	50.0
0°-180°	2551.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	18	5	0	5	18	2
15°	69	14	0	14	69	19
25°	91	29	0	29	91	45
35°	204	58	0	58	204	134
45°	464	88	0	88	464	369
55°	819	119	0	119	819	727
65°	981	150	0	150	981	970
75°	1061	154	1	154	1061	1125
85°	1108	148	0	148	1108	901
90°	1109	145	0	145	1109	608
95°	1108	148	0	148	1108	901
105°	1061	154	1	154	1061	1125
115°	981	150	0	150	981	970
125°	819	119	0	119	819	727
135°	464	88	0	88	464	369
145°	204	58	0	58	204	134
155°	91	29	0	29	91	45
165°	69	14	0	14	69	19
175°	18	5	0	5	18	2
180°	0	0	0	0	0	



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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°	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.4	7.4	7.4	7.3
5°	17.6	17.8	18.0	18.2	18.4	18.1	18.0	18.0	17.9	17.7	17.5
7.5°	29.5	29.8	30.0	30.3	30.0	29.9	29.8	29.7	29.4	29.1	28.7
10°	40.7	41.0	41.3	41.6	41.2	41.2	41.0	40.8	40.4	40.0	39.6
12.5°	53.4	53.7	53.9	53.6	53.5	53.2	52.9	52.4	51.8	51.2	50.4
15°	68.8	68.9	69.0	68.3	67.8	67.1	66.4	65.5	64.4	63.3	62.0
17.5°	78.0	78.1	78.3	77.9	77.6	77.1	76.5	75.8	75.0	74.0	72.9
20°	80.1	80.8	81.5	82.0	82.4	82.7	82.8	82.7	82.5	82.0	81.3
22.5°	85.0	86.3	87.6	88.3	89.2	89.8	90.1	90.3	90.1	89.7	88.9
25°	91.3	93.3	95.0	96.6	97.9	98.9	99.7	100.1	100.1	99.8	99.0
27.5°	106.1	108.4	110.0	111.4	112.4	113.1	113.4	113.4	112.9	112.2	111.3
30°	129.9	132.0	133.0	133.7	133.8	133.5	132.8	131.6	129.9	128.0	126.7
32.5°	165.0	166.4	165.9	165.1	163.6	161.4	158.6	155.3	151.5	148.1	145.3
35°	204.4	204.9	203.2	201.0	197.9	194.0	189.4	184.1	178.2	172.9	167.5
37.5°	252.1	251.3	247.5	243.2	237.8	231.3	224.0	216.0	207.6	200.1	192.3
40°	310.4	308.3	302.2	295.2	286.6	276.5	265.1	252.6	240.7	230.0	219.0
42.5°	379.3	375.4	366.2	356.1	344.0	330.0	314.5	297.7	281.7	265.3	248.2
45°	463.5	457.1	443.8	429.2	412.0	392.5	371.0	350.5	327.9	306.5	285.1
47.5°	556.2	547.4	530.1	511.3	489.2	464.2	436.6	408.2	380.4	351.7	326.2
50°	667.2	655.8	633.3	608.7	579.6	546.4	509.7	474.4	439.0	404.3	373.1
52.5°	758.5	749.8	729.9	706.6	676.8	640.2	596.7	552.3	506.9	463.3	424.4
55°	818.9	817.6	806.7	791.4	768.3	736.6	694.9	642.5	585.0	531.8	479.7
57.5°	868.1	871.3	866.4	858.3	844.4	824.1	790.7	732.1	672.9	605.2	542.0
60°	909.5	912.3	909.1	904.6	897.6	888.2	857.1	806.8	745.8	676.1	606.7
62.5°	945.3	947.0	945.6	941.3	934.1	924.3	898.9	862.3	805.9	740.1	665.1
65°	981.2	980.3	976.9	971.8	965.7	956.8	936.5	906.0	857.7	793.5	717.3
67.5°	1007.8	1007.5	1004.4	998.3	989.6	982.1	971.7	948.9	908.9	845.7	767.1
70°	1033.8	1030.9	1026.0	1020.1	1014.9	1006.0	996.1	981.6	955.1	897.2	815.1
72.5°	1047.9	1047.0	1043.5	1036.8	1032.5	1025.2	1015.6	1004.6	980.7	930.4	854.9
75°	1061.2	1061.2	1058.7	1053.8	1047.1	1041.0	1032.2	1019.9	1000.6	955.6	883.1
77.5°	1080.2	1078.2	1073.6	1067.6	1060.3	1050.9	1045.4	1035.2	1016.9	978.4	908.5
80°	1092.8	1090.1	1085.8	1077.5	1070.5	1061.6	1051.7	1047.5	1035.3	1000.0	927.7
82.5°	1099.1	1097.8	1096.2	1092.0	1077.6	1069.2	1058.1	1052.0	1043.0	1012.1	946.6
85°	1107.6	1106.3	1101.5	1092.7	1081.8	1075.0	1062.7	1053.4	1044.5	1019.7	958.5
87.5°	1111.1	1106.6	1101.9	1093.9	1080.6	1076.3	1064.4	1054.7	1045.3	1023.8	962.7
90°	1109.0	1104.1	1097.7	1097.0	1080.9	1074.6	1064.0	1055.6	1044.4	1022.6	958.7
92.5°	1111.1	1106.6	1101.9	1093.9	1080.6	1076.3	1064.4	1054.7	1045.3	1023.8	962.7
95°	1107.6	1106.3	1101.5	1092.7	1081.8	1075.0	1062.7	1053.4	1044.5	1019.7	958.5
97.5°	1099.1	1097.8	1096.2	1092.0	1077.6	1069.2	1058.1	1052.0	1043.0	1012.1	946.6
100°	1092.8	1090.1	1085.8	1077.5	1070.5	1061.6	1051.7	1047.5	1035.3	1000.0	927.7
102.5°	1080.2	1078.2	1073.6	1067.6	1060.3	1050.9	1045.4	1035.2	1016.9	978.4	908.5
105°	1061.2	1061.2	1058.7	1053.8	1047.1	1041.0	1032.2	1019.9	1000.6	955.6	883.1
107.5°	1047.9	1047.0	1043.5	1036.8	1032.5	1025.2	1015.6	1004.6	980.7	930.4	854.9
110°	1033.8	1030.9	1026.0	1020.1	1014.9	1006.0	996.1	981.6	955.1	897.2	815.1



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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°	1007.8	1007.5	1004.4	998.3	989.6	982.1	971.7	948.9	908.9	845.7	767.1
115°	981.2	980.3	976.9	971.8	965.7	956.8	936.5	906.0	857.7	793.5	717.3
117.5°	945.3	947.0	945.6	941.3	934.1	924.3	898.9	862.3	805.9	740.1	665.1
120°	909.5	912.3	909.1	904.6	897.6	888.2	857.1	806.8	745.8	676.1	606.7
122.5°	868.1	871.3	866.4	858.3	844.4	824.1	790.7	732.1	672.9	605.2	542.0
125°	818.9	817.6	806.7	791.4	768.3	736.6	694.9	642.5	585.0	531.8	479.7
127.5°	758.5	749.8	729.9	706.6	676.8	640.2	596.7	552.3	506.9	463.3	424.4
130°	667.2	655.8	633.3	608.7	579.6	546.4	509.7	474.4	439.0	404.3	373.1
132.5°	556.2	547.4	530.1	511.3	489.2	464.2	436.6	408.2	380.4	351.7	326.2
135°	463.5	457.1	443.8	429.2	412.0	392.5	371.0	350.5	327.9	306.5	285.1
137.5°	379.3	375.4	366.2	356.1	344.0	330.0	314.5	297.7	281.7	265.3	248.2
140°	310.4	308.3	302.2	295.2	286.6	276.5	265.1	252.6	240.7	230.0	219.0
142.5°	252.1	251.3	247.5	243.2	237.8	231.3	224.0	216.0	207.6	200.1	192.3
145°	204.4	204.9	203.2	201.0	197.9	194.0	189.4	184.1	178.2	172.9	167.5
147.5°	165.0	166.4	165.9	165.1	163.6	161.4	158.6	155.3	151.5	148.1	145.3
150°	129.9	132.0	133.0	133.7	133.8	133.5	132.8	131.6	129.9	128.0	126.7
152.5°	106.1	108.4	110.0	111.4	112.4	113.1	113.4	113.4	112.9	112.2	111.3
155°	91.3	93.3	95.0	96.6	97.9	98.9	99.7	100.1	100.1	99.8	99.0
157.5°	85.0	86.3	87.6	88.3	89.2	89.8	90.1	90.3	90.1	89.7	88.9
160°	80.1	80.8	81.5	82.0	82.4	82.7	82.8	82.7	82.5	82.0	81.3
162.5°	78.0	78.1	78.3	77.9	77.6	77.1	76.5	75.8	75.0	74.0	72.9
165°	68.8	68.9	69.0	68.3	67.8	67.1	66.4	65.5	64.4	63.3	62.0
167.5°	53.4	53.7	53.9	53.6	53.5	53.2	52.9	52.4	51.8	51.2	50.4
170°	40.7	41.0	41.3	41.6	41.2	41.2	41.0	40.8	40.4	40.0	39.6
172.5°	29.5	29.8	30.0	30.3	30.0	29.9	29.8	29.7	29.4	29.1	28.7
175°	17.6	17.8	18.0	18.2	18.4	18.1	18.0	18.0	17.9	17.7	17.5
177.5°	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.4	7.4	7.4	7.3
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°	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.3	6.1
5°	17.3	17.0	16.7	16.4	16.0	15.6	15.1	14.6	14.1	13.6	13.0
7.5°	28.3	27.8	27.3	26.7	26.0	25.3	24.5	23.7	22.9	22.0	21.1
10°	39.0	38.4	37.7	36.9	36.1	35.2	34.2	33.1	31.9	30.7	29.5
12.5°	49.6	48.7	47.7	46.6	45.5	44.4	43.2	41.9	40.5	39.1	37.6
15°	60.7	59.3	57.8	56.4	55.0	53.5	51.9	50.3	48.7	47.0	45.2
17.5°	71.7	70.3	68.5	66.6	64.6	62.5	60.4	58.4	56.5	54.5	52.5
20°	80.3	78.9	77.2	75.3	73.3	71.2	68.8	66.4	63.9	61.5	59.2
22.5°	88.0	86.9	85.4	83.6	81.4	78.9	76.4	73.7	70.9	68.1	65.5
25°	98.1	96.8	95.1	93.0	90.5	87.8	84.5	80.9	77.8	74.4	71.3
27.5°	110.3	108.8	106.8	104.4	101.6	98.4	95.2	90.5	85.8	81.1	77.2
30°	125.0	123.0	120.9	117.9	114.5	110.6	106.4	101.7	96.8	91.9	87.0
32.5°	142.1	138.7	135.7	132.6	129.1	124.9	119.6	114.0	108.8	103.4	98.2
35°	161.9	156.6	152.4	148.0	143.3	138.2	132.8	126.7	120.4	114.5	108.7
37.5°	184.2	177.2	170.6	164.2	157.6	151.2	145.1	139.0	132.3	125.4	118.9
40°	208.4	199.0	189.4	181.0	173.0	165.4	158.0	150.7	143.7	136.4	128.9
42.5°	234.3	221.9	209.8	199.3	189.7	180.3	171.6	163.2	154.8	147.0	139.1
45°	266.2	246.8	231.7	218.0	206.0	195.0	185.4	176.1	166.7	157.5	148.9
47.5°	302.1	278.4	257.3	237.7	223.0	209.8	198.6	188.5	178.8	168.5	158.6
50°	340.9	312.7	285.7	262.3	240.9	224.9	211.3	200.1	190.0	179.8	168.5
52.5°	385.8	350.3	316.8	287.9	262.5	240.3	224.1	211.0	200.7	190.2	181.3
55°	433.6	390.7	351.7	314.8	284.6	258.6	236.6	221.7	212.3	204.2	197.4
57.5°	485.3	432.6	387.3	345.6	307.5	276.9	254.5	237.4	225.3	217.2	210.1
60°	539.2	478.2	422.6	375.7	335.4	301.4	273.7	252.5	238.9	229.3	222.2
62.5°	591.8	522.9	461.6	409.5	364.7	325.0	293.9	269.3	251.6	240.2	233.2
65°	638.5	568.2	503.3	443.1	393.2	349.9	313.2	284.0	263.9	251.5	243.6
67.5°	686.6	611.2	541.8	477.8	419.2	371.2	331.9	300.2	277.0	262.0	253.2
70°	731.4	650.2	576.3	507.7	445.7	393.0	349.7	315.0	288.4	271.4	261.9
72.5°	768.1	683.6	604.1	532.9	469.4	411.6	364.3	329.0	298.6	280.8	270.5
75°	797.0	710.4	627.8	551.9	488.2	428.0	379.2	341.6	311.4	290.6	277.9
77.5°	817.6	729.4	645.9	570.3	505.8	447.4	396.3	355.3	323.2	299.9	285.2
80°	836.9	749.1	666.8	588.9	520.5	462.7	410.7	367.4	333.5	308.5	292.2
82.5°	856.8	765.6	681.9	602.6	530.9	474.0	422.3	377.9	342.4	316.5	299.1
85°	868.4	775.5	690.9	611.4	537.1	481.6	431.4	386.8	350.0	323.8	305.6
87.5°	871.6	781.9	696.9	617.8	541.1	487.2	439.1	394.9	356.9	330.8	312.0
90°	866.7	775.4	691.8	614.5	538.7	487.4	442.5	399.6	361.7	336.4	317.5
92.5°	871.6	781.9	696.9	617.8	541.1	487.2	439.1	394.9	356.9	330.8	312.0
95°	868.4	775.5	690.9	611.4	537.1	481.6	431.4	386.8	350.0	323.8	305.6
97.5°	856.8	765.6	681.9	602.6	530.9	474.0	422.3	377.9	342.4	316.5	299.1
100°	836.9	749.1	666.8	588.9	520.5	462.7	410.7	367.4	333.5	308.5	292.2
102.5°	817.6	729.4	645.9	570.3	505.8	447.4	396.3	355.3	323.2	299.9	285.2
105°	797.0	710.4	627.8	551.9	488.2	428.0	379.2	341.6	311.4	290.6	277.9
107.5°	768.1	683.6	604.1	532.9	469.4	411.6	364.3	329.0	298.6	280.8	270.5
110°	731.4	650.2	576.3	507.7	445.7	393.0	349.7	315.0	288.4	271.4	261.9





TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	686.6	611.2	541.8	477.8	419.2	371.2	331.9	300.2	277.0	262.0	253.2
115°	638.5	568.2	503.3	443.1	393.2	349.9	313.2	284.0	263.9	251.5	243.6
117.5°	591.8	522.9	461.6	409.5	364.7	325.0	293.9	269.3	251.6	240.2	233.2
120°	539.1	478.2	422.6	375.7	335.4	301.4	273.7	252.5	238.9	229.3	222.2
122.5°	485.3	432.6	387.3	345.6	307.5	276.9	254.5	237.4	225.3	217.2	210.1
125°	433.6	390.7	351.7	314.8	284.6	258.6	236.6	221.7	212.3	204.2	197.4
127.5°	385.8	350.3	316.8	287.9	262.5	240.3	224.1	211.0	200.7	190.2	181.3
130°	340.9	312.7	285.7	262.3	240.9	224.9	211.3	200.1	190.0	179.8	168.5
132.5°	302.1	278.4	257.3	237.7	223.0	209.8	198.6	188.5	178.8	168.5	158.6
135°	266.2	246.8	231.7	218.0	206.0	195.0	185.4	176.1	166.7	157.5	148.9
137.5°	234.3	221.9	209.8	199.3	189.7	180.3	171.6	163.2	154.8	147.0	139.1
140°	208.4	199.0	189.4	181.0	173.0	165.4	158.0	150.7	143.7	136.4	128.9
142.5°	184.2	177.2	170.6	164.2	157.6	151.2	145.1	139.0	132.3	125.4	118.9
145°	161.9	156.6	152.4	148.0	143.3	138.2	132.8	126.7	120.4	114.5	108.7
147.5°	142.1	138.7	135.7	132.6	129.1	124.9	119.6	114.0	108.8	103.4	98.2
150°	125.0	123.0	120.9	117.9	114.5	110.6	106.4	101.7	96.8	91.9	87.0
152.5°	110.3	108.8	106.8	104.4	101.6	98.4	95.2	90.5	85.8	81.1	77.2
155°	98.1	96.8	95.1	93.0	90.5	87.8	84.5	80.9	77.8	74.4	71.3
157.5°	88.0	86.9	85.4	83.6	81.4	78.9	76.4	73.7	70.9	68.1	65.5
160°	80.3	78.9	77.2	75.3	73.3	71.2	68.8	66.4	63.9	61.5	59.2
162.5°	71.7	70.3	68.5	66.6	64.6	62.5	60.4	58.4	56.5	54.5	52.5
165°	60.7	59.3	57.8	56.4	55.0	53.5	51.9	50.3	48.7	47.0	45.2
167.5°	49.6	48.7	47.7	46.6	45.5	44.4	43.2	41.9	40.5	39.1	37.6
170°	39.0	38.4	37.7	36.9	36.1	35.2	34.2	33.1	31.9	30.7	29.5
172.5°	28.3	27.8	27.3	26.7	26.0	25.3	24.5	23.7	22.9	22.0	21.1
175°	17.3	17.0	16.7	16.4	16.0	15.6	15.1	14.6	14.1	13.6	13.0
177.5°	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.3	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



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	6.0	5.8	5.6	5.3	5.1	4.9	4.6	4.4	4.1	3.9	3.6
5°	12.4	11.7	11.1	10.6	10.2	9.7	9.2	8.7	8.2	7.7	7.1
7.5°	20.2	19.3	18.3	17.2	16.1	15.0	13.9	13.0	12.3	11.5	10.7
10°	28.1	26.8	25.4	24.0	22.5	21.1	19.5	18.0	16.4	15.2	14.2
12.5°	36.0	34.3	32.5	30.7	28.9	27.0	25.1	23.2	21.2	19.2	17.6
15°	43.4	41.4	39.7	37.3	35.2	32.9	30.7	28.4	26.0	23.6	21.2
17.5°	50.7	48.2	45.9	43.6	41.2	38.7	36.1	33.4	30.7	28.0	25.1
20°	56.9	54.6	52.2	49.5	46.9	44.1	41.3	38.3	35.4	32.3	29.1
22.5°	62.8	60.2	57.7	55.2	52.3	49.3	46.2	43.0	39.8	36.5	33.0
25°	68.2	65.4	62.7	60.0	58.0	55.6	52.9	50.1	47.1	44.0	40.6
27.5°	74.3	72.1	70.2	68.3	66.2	64.1	61.4	58.4	55.4	52.1	48.6
30°	83.6	80.6	78.2	76.2	74.1	71.9	69.5	66.6	63.7	60.0	56.6
32.5°	93.0	89.2	86.2	83.7	81.6	79.5	77.1	74.4	71.3	67.9	64.2
35°	103.1	97.8	94.0	91.1	88.8	86.7	84.4	82.2	78.9	75.5	71.8
37.5°	112.6	106.9	101.6	98.4	95.8	93.6	91.5	89.1	86.2	83.0	79.3
40°	122.0	115.4	109.9	105.0	102.5	100.2	98.2	95.9	93.4	90.2	86.6
42.5°	131.1	124.0	117.5	112.3	108.8	106.5	104.7	102.6	100.3	97.3	93.8
45°	140.4	132.1	125.1	119.3	114.6	112.6	110.9	109.1	106.9	104.2	101.0
47.5°	149.3	140.5	132.6	125.9	120.9	119.2	119.7	119.7	119.2	118.2	116.2
50°	158.3	149.2	143.3	139.1	136.3	135.0	135.5	135.5	135.3	134.8	133.2
52.5°	172.9	166.2	160.8	156.2	152.6	150.9	151.3	151.3	151.0	151.3	150.0
55°	188.7	182.3	177.2	172.8	168.9	167.1	166.9	167.1	166.6	167.5	166.6
57.5°	203.3	197.1	192.7	188.9	185.3	183.0	182.5	182.9	182.0	183.4	183.1
60°	216.2	210.8	207.1	204.2	201.3	198.7	198.0	198.7	197.7	199.2	199.6
62.5°	227.8	223.6	220.6	218.7	216.9	214.0	213.6	214.3	213.4	214.8	216.0
65°	238.4	235.0	233.2	232.4	232.2	229.5	229.1	229.8	229.1	230.2	232.3
67.5°	248.1	245.3	245.0	245.5	246.5	244.9	244.5	245.2	244.8	245.6	248.5
70°	257.1	255.0	256.0	257.3	258.1	256.7	255.4	255.4	254.8	254.1	254.3
72.5°	264.3	260.5	259.5	260.4	262.1	262.4	261.8	262.2	262.3	261.5	259.1
75°	269.9	264.5	262.2	263.3	265.9	267.8	268.1	269.1	269.7	269.3	264.3
77.5°	275.6	268.7	265.0	265.9	269.5	272.8	274.4	275.9	276.8	277.3	269.8
80°	281.4	273.1	267.9	268.4	272.9	277.5	280.5	282.6	283.9	285.5	275.5
82.5°	287.2	277.5	270.8	270.8	276.3	282.1	286.6	289.4	290.9	293.9	282.3
85°	292.8	281.9	273.7	273.1	279.6	286.4	292.5	296.1	297.7	302.6	287.7
87.5°	298.5	286.2	276.6	275.5	283.0	291.1	298.7	302.9	304.8	310.7	293.1
90°	303.4	290.1	279.5	278.1	286.6	295.7	304.8	309.7	311.8	318.9	298.5
92.5°	298.5	286.2	276.6	275.5	283.0	291.1	298.7	302.9	304.8	310.7	293.1
95°	292.8	281.9	273.7	273.1	279.6	286.4	292.5	296.1	297.7	302.6	287.7
97.5°	287.2	277.5	270.8	270.8	276.3	282.1	286.6	289.4	290.9	293.9	282.3
100°	281.4	273.1	267.9	268.4	272.9	277.5	280.5	282.6	283.9	285.5	275.5
102.5°	275.6	268.7	265.0	265.9	269.5	272.8	274.4	275.9	276.8	277.3	269.8
105°	269.9	264.5	262.2	263.3	265.9	267.8	268.1	269.1	269.7	269.3	264.3
107.5°	264.3	260.5	259.5	260.4	262.1	262.4	261.8	262.2	262.3	261.5	259.1
110°	257.1	255.0	256.0	257.3	258.1	256.7	255.4	255.4	254.8	254.1	254.3



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	248.1	245.3	245.0	245.5	246.5	244.9	244.5	245.2	244.8	245.6	248.5
115°	238.4	235.0	233.2	232.4	232.2	229.5	229.1	229.8	229.1	230.2	232.3
117.5°	227.8	223.6	220.6	218.7	216.9	214.0	213.6	214.3	213.4	214.8	216.0
120°	216.2	210.8	207.1	204.2	201.3	198.7	198.0	198.7	197.7	199.2	199.6
122.5°	203.3	197.1	192.7	188.9	185.3	183.0	182.5	182.9	182.0	183.4	183.1
125°	188.7	182.3	177.2	172.8	168.9	167.1	166.9	167.1	166.6	167.5	166.6
127.5°	172.9	166.2	160.8	156.2	152.6	150.9	151.3	151.3	151.1	151.3	150.0
130°	158.3	149.2	143.3	139.1	136.3	135.0	135.5	135.5	135.3	134.8	133.2
132.5°	149.3	140.5	132.6	125.9	120.9	119.2	119.7	119.7	119.2	118.2	116.2
135°	140.4	132.1	125.1	119.3	114.6	112.6	110.9	109.1	106.9	104.2	101.0
137.5°	131.1	124.0	117.5	112.3	108.8	106.5	104.7	102.6	100.3	97.3	93.8
140°	122.0	115.4	109.9	105.0	102.5	100.2	98.2	95.9	93.4	90.2	86.6
142.5°	112.6	106.9	101.6	98.4	95.8	93.6	91.5	89.1	86.2	83.0	79.3
145°	103.1	97.8	94.0	91.1	88.8	86.7	84.4	82.2	78.9	75.5	71.8
147.5°	93.0	89.2	86.2	83.7	81.6	79.5	77.1	74.4	71.3	67.9	64.2
150°	83.6	80.6	78.2	76.2	74.1	71.9	69.5	66.6	63.7	60.0	56.6
152.5°	74.3	72.1	70.2	68.3	66.2	64.1	61.4	58.4	55.4	52.1	48.6
155°	68.2	65.4	62.7	60.0	58.0	55.6	52.9	50.1	47.1	44.0	40.6
157.5°	62.8	60.2	57.7	55.2	52.3	49.3	46.2	43.0	39.8	36.5	33.0
160°	56.9	54.6	52.2	49.5	46.9	44.1	41.3	38.3	35.4	32.3	29.1
162.5°	50.7	48.2	45.9	43.6	41.2	38.7	36.1	33.4	30.7	28.0	25.1
165°	43.4	41.4	39.7	37.3	35.2	32.9	30.7	28.4	26.0	23.6	21.2
167.5°	36.0	34.3	32.5	30.7	28.9	27.0	25.1	23.2	21.2	19.2	17.6
170°	28.1	26.8	25.4	24.0	22.5	21.1	19.5	18.0	16.4	15.2	14.2
172.5°	20.2	19.3	18.3	17.2	16.1	15.0	13.9	13.0	12.3	11.5	10.7
175°	12.4	11.7	11.1	10.6	10.2	9.7	9.2	8.7	8.2	7.7	7.1
177.5°	6.0	5.8	5.6	5.3	5.1	4.9	4.6	4.4	4.1	3.9	3.6
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: P232043

CATALOG NUMBER: FVS4WM-3-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°	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
5°	6.6	6.0	5.4	4.8	4.8	4.8	4.8	4.7	4.7	4.6	4.5
7.5°	9.8	9.0	8.1	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7
10°	13.1	12.0	10.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0
12.5°	16.3	14.9	13.5	12.1	12.0	11.9	11.8	11.6	11.5	11.3	11.2
15°	19.5	17.9	16.2	14.5	14.4	14.2	14.1	13.9	13.7	13.6	13.4
17.5°	22.6	20.8	18.9	17.0	16.8	16.6	16.3	16.2	16.0	15.9	15.7
20°	25.8	23.7	21.5	19.4	19.1	18.9	18.6	18.5	18.3	18.2	18.0
22.5°	29.4	26.5	24.2	21.8	21.5	21.2	20.9	20.8	20.6	20.4	20.2
25°	37.0	33.9	31.6	29.1	28.9	28.6	28.2	27.9	27.3	26.6	25.7
27.5°	44.9	41.3	39.0	36.5	36.4	36.1	35.9	35.7	35.1	34.2	33.0
30°	52.6	48.7	46.3	43.8	43.8	43.7	43.7	43.5	42.8	41.8	40.0
32.5°	60.3	56.2	53.6	51.1	51.4	51.4	51.6	51.3	50.5	49.0	46.5
35°	67.8	63.7	60.9	58.5	58.9	59.2	59.4	59.1	58.1	55.7	52.8
37.5°	75.3	71.1	68.1	65.8	66.4	66.9	67.4	66.8	65.8	62.2	58.0
40°	82.6	78.4	75.4	73.1	74.0	74.7	75.4	74.6	72.6	68.4	62.7
42.5°	89.9	85.7	82.5	80.5	81.6	82.6	83.3	82.3	79.2	74.5	67.0
45°	97.0	92.9	89.7	87.8	89.2	90.4	91.1	90.1	85.6	79.1	70.8
47.5°	111.5	105.5	99.8	95.6	94.9	94.4	93.8	92.5	87.4	80.6	72.7
50°	127.1	118.7	110.1	103.4	100.4	97.9	95.7	93.3	87.5	80.4	73.2
52.5°	143.0	132.3	120.6	111.2	105.7	101.1	97.4	93.8	87.6	80.5	74.1
55°	159.2	146.2	131.2	119.0	110.9	104.1	99.0	94.2	87.7	80.9	75.6
57.5°	175.6	160.4	141.9	126.8	116.0	106.8	100.5	94.7	88.0	81.9	77.5
60°	192.3	174.8	152.7	134.6	121.0	109.4	101.8	95.2	88.5	83.4	80.0
62.5°	209.1	189.5	163.7	142.4	125.8	111.8	103.1	95.7	89.4	85.3	82.9
65°	226.1	204.3	174.7	150.2	130.6	114.0	104.3	96.2	90.4	87.4	86.2
67.5°	243.2	219.3	185.8	158.0	135.2	116.1	105.4	96.8	91.6	89.9	89.9
70°	246.0	219.5	184.8	156.6	133.9	114.9	104.4	95.7	91.1	90.0	90.8
72.5°	247.6	219.2	183.7	155.2	132.5	113.7	103.4	94.4	90.1	89.1	90.1
75°	249.3	218.7	183.5	153.8	131.2	112.6	102.4	93.2	89.2	88.1	89.4
77.5°	251.0	218.0	182.0	152.4	129.9	111.5	101.4	92.0	88.3	87.2	88.7
80°	252.7	218.4	180.4	151.0	128.7	110.6	100.6	90.9	87.4	86.2	88.0
82.5°	255.2	217.0	178.9	149.6	127.5	109.7	99.7	89.8	86.6	85.2	87.3
85°	256.1	215.6	177.3	148.2	126.4	108.9	99.0	88.8	85.8	84.2	86.6
87.5°	256.9	214.2	175.8	146.8	125.3	108.2	98.3	87.9	85.0	83.2	85.8
90°	257.8	212.8	174.2	145.4	124.3	107.5	97.6	87.1	84.3	82.2	85.0
92.5°	256.9	214.2	175.8	146.8	125.3	108.2	98.3	87.9	85.0	83.2	85.8
95°	256.1	215.6	177.3	148.2	126.4	108.9	99.0	88.8	85.8	84.2	86.6
97.5°	255.2	217.0	178.9	149.6	127.5	109.7	99.7	89.8	86.6	85.2	87.3
100°	252.7	218.4	180.4	151.0	128.7	110.6	100.6	90.9	87.4	86.2	88.0
102.5°	251.0	218.0	182.0	152.4	129.9	111.5	101.4	92.0	88.3	87.2	88.7
105°	249.3	218.7	183.5	153.8	131.2	112.6	102.4	93.2	89.2	88.1	89.4
107.5°	247.6	219.2	183.7	155.2	132.5	113.7	103.4	94.4	90.1	89.1	90.1
110°	246.0	219.5	184.8	156.6	133.9	114.9	104.4	95.7	91.1	90.0	90.8



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	243.2	219.3	185.8	158.0	135.2	116.1	105.4	96.8	91.6	89.9	89.9
115°	226.1	204.3	174.7	150.2	130.6	114.0	104.3	96.2	90.4	87.4	86.2
117.5°	209.1	189.5	163.7	142.4	125.8	111.8	103.1	95.7	89.4	85.3	82.9
120°	192.3	174.8	152.7	134.6	121.0	109.4	101.8	95.2	88.5	83.4	80.0
122.5°	175.6	160.4	141.9	126.8	116.0	106.8	100.5	94.7	88.0	81.9	77.5
125°	159.2	146.2	131.2	119.0	110.9	104.1	99.0	94.2	87.7	80.9	75.6
127.5°	143.0	132.3	120.6	111.2	105.7	101.1	97.4	93.8	87.6	80.5	74.1
130°	127.1	118.7	110.1	103.4	100.4	97.9	95.7	93.3	87.5	80.4	73.2
132.5°	111.5	105.5	99.8	95.6	94.9	94.4	93.8	92.5	87.4	80.6	72.7
135°	97.0	92.9	89.7	87.8	89.2	90.4	91.1	90.1	85.6	79.1	70.8
137.5°	89.9	85.7	82.5	80.5	81.6	82.6	83.3	82.3	79.2	74.5	67.0
140°	82.6	78.4	75.4	73.1	74.0	74.7	75.4	74.6	72.6	68.4	62.7
142.5°	75.3	71.1	68.1	65.8	66.4	66.9	67.4	66.8	65.8	62.2	58.0
145°	67.8	63.7	60.9	58.5	58.9	59.2	59.4	59.1	58.1	55.7	52.8
147.5°	60.3	56.2	53.6	51.1	51.4	51.4	51.6	51.3	50.5	49.0	46.5
150°	52.6	48.7	46.3	43.8	43.8	43.7	43.7	43.5	42.8	41.8	40.0
152.5°	44.9	41.3	39.0	36.5	36.4	36.1	35.9	35.7	35.1	34.2	33.0
155°	37.0	33.9	31.6	29.1	28.9	28.6	28.2	27.9	27.3	26.6	25.7
157.5°	29.4	26.5	24.2	21.8	21.5	21.2	20.9	20.8	20.6	20.4	20.2
160°	25.8	23.7	21.5	19.4	19.1	18.9	18.6	18.5	18.3	18.2	18.0
162.5°	22.6	20.8	18.9	17.0	16.8	16.6	16.3	16.2	16.0	15.9	15.7
165°	19.5	17.9	16.2	14.5	14.4	14.2	14.1	13.9	13.7	13.6	13.4
167.5°	16.3	14.9	13.5	12.1	12.0	11.9	11.8	11.6	11.5	11.3	11.2
170°	13.1	12.0	10.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0
172.5°	9.8	9.0	8.1	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7
175°	6.6	6.0	5.4	4.8	4.8	4.8	4.8	4.7	4.7	4.6	4.5
177.5°	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.7
5°	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.3
7.5°	6.6	6.5	6.4	6.2	6.1	5.9	5.8	5.6	5.4	5.2	5.0
10°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	6.9	6.7
12.5°	11.0	10.9	10.7	10.4	10.2	9.9	9.7	9.4	9.0	8.7	8.4
15°	13.3	13.0	12.8	12.5	12.3	11.9	11.6	11.3	10.9	10.5	10.0
17.5°	15.5	15.2	15.0	14.7	14.3	14.0	13.6	13.1	12.5	12.0	11.4
20°	17.7	17.4	17.1	16.8	16.4	15.9	15.3	14.7	14.1	13.6	13.1
22.5°	19.9	19.6	19.3	18.9	18.3	17.6	17.0	16.5	16.0	15.4	14.8
25°	24.6	23.4	22.1	20.7	20.0	19.5	19.0	18.4	17.8	17.2	16.5
27.5°	31.5	29.9	27.8	25.9	24.3	22.8	21.5	20.3	19.7	18.9	17.9
30°	38.0	35.4	32.7	30.5	28.5	26.7	25.0	23.5	21.9	20.5	19.2
32.5°	43.6	40.2	37.1	34.4	32.0	29.8	27.8	25.8	24.0	22.4	20.9
35°	48.5	44.4	40.9	37.7	34.8	32.2	29.7	27.5	25.7	24.0	22.7
37.5°	52.8	48.2	44.0	40.4	37.0	34.0	31.3	29.1	27.1	25.6	24.1
40°	56.7	51.5	46.8	42.5	38.8	35.4	32.7	30.4	28.6	26.9	25.2
42.5°	60.3	54.2	49.0	44.3	40.1	36.8	34.0	31.8	29.8	27.9	26.2
45°	63.4	56.8	50.8	45.8	41.5	37.9	35.3	32.9	30.8	28.9	27.1
47.5°	65.6	58.9	52.5	46.9	42.7	39.2	36.4	34.0	31.8	29.9	28.1
50°	66.6	60.7	55.0	49.7	44.9	40.6	37.5	35.0	32.8	31.0	29.2
52.5°	68.5	63.2	58.3	54.0	49.7	45.4	41.3	37.4	34.0	32.2	30.4
55°	70.9	66.5	62.3	58.8	54.7	50.4	46.1	42.1	38.4	35.0	31.7
57.5°	73.8	70.4	67.2	64.1	59.9	55.4	50.9	46.6	42.5	38.6	34.6
60°	77.3	74.7	72.5	69.4	65.1	60.3	55.6	50.8	46.2	41.6	37.1
62.5°	81.2	79.5	78.3	74.9	70.3	65.3	60.0	54.6	49.5	44.2	39.5
65°	85.6	84.8	84.4	80.6	75.5	70.1	64.2	58.3	52.4	46.5	41.4
67.5°	90.2	90.5	90.1	86.2	80.8	74.9	68.2	61.7	55.0	48.6	43.0
70°	92.3	94.1	94.5	91.3	86.0	79.5	72.1	64.9	57.4	50.6	44.5
72.5°	91.9	93.9	94.1	91.4	87.0	81.2	74.4	67.3	59.7	52.4	45.9
75°	91.4	93.7	94.0	91.7	87.7	82.1	75.5	68.4	60.9	53.8	47.2
77.5°	90.9	93.5	94.1	92.4	88.8	83.3	76.8	69.8	62.5	55.3	48.5
80°	90.5	93.3	94.4	93.3	90.1	84.7	78.4	71.5	64.3	57.0	49.8
82.5°	90.0	93.0	94.8	94.4	91.6	86.4	80.2	73.6	66.5	58.8	51.4
85°	89.6	92.7	95.2	95.7	93.3	88.3	82.3	76.0	68.8	60.9	53.2
87.5°	89.1	92.4	95.7	97.0	95.0	90.4	84.6	78.6	71.5	63.3	55.2
90°	88.5	92.0	96.2	98.3	96.9	92.7	87.1	81.5	74.4	66.0	57.6
92.5°	89.1	92.4	95.7	97.0	95.0	90.4	84.6	78.6	71.5	63.3	55.2
95°	89.6	92.7	95.2	95.7	93.3	88.3	82.3	76.0	68.8	60.9	53.2
97.5°	90.0	93.0	94.8	94.4	91.6	86.4	80.2	73.6	66.5	58.8	51.4
100°	90.5	93.3	94.4	93.3	90.1	84.7	78.4	71.5	64.3	57.0	49.8
102.5°	90.9	93.5	94.1	92.4	88.8	83.3	76.8	69.8	62.5	55.3	48.5
105°	91.4	93.7	94.0	91.7	87.7	82.1	75.5	68.4	60.9	53.8	47.2
107.5°	91.9	93.9	94.1	91.4	87.0	81.2	74.4	67.3	59.7	52.4	45.9
110°	92.3	94.1	94.5	91.3	86.0	79.5	72.1	64.9	57.4	50.6	44.5



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	90.2	90.5	90.1	86.2	80.8	74.9	68.2	61.7	55.0	48.6	43.0
115°	85.6	84.8	84.4	80.6	75.5	70.1	64.2	58.3	52.4	46.5	41.4
117.5°	81.2	79.5	78.3	74.9	70.3	65.3	60.0	54.6	49.5	44.2	39.5
120°	77.3	74.7	72.5	69.4	65.1	60.3	55.6	50.8	46.2	41.6	37.1
122.5°	73.8	70.4	67.2	64.1	59.9	55.4	50.9	46.6	42.5	38.6	34.6
125°	70.9	66.5	62.3	58.8	54.7	50.4	46.1	42.1	38.4	35.0	31.7
127.5°	68.5	63.2	58.3	54.0	49.7	45.4	41.3	37.4	34.0	32.2	30.4
130°	66.6	60.7	55.0	49.7	44.9	40.6	37.5	35.0	32.8	31.0	29.2
132.5°	65.6	58.9	52.5	46.9	42.7	39.2	36.4	34.0	31.8	29.9	28.1
135°	63.4	56.8	50.8	45.8	41.5	37.9	35.3	32.9	30.8	28.9	27.1
137.5°	60.3	54.2	49.0	44.3	40.1	36.8	34.0	31.8	29.8	27.9	26.2
140°	56.7	51.5	46.8	42.5	38.8	35.4	32.7	30.4	28.6	26.9	25.2
142.5°	52.8	48.2	44.0	40.4	37.0	34.0	31.3	29.1	27.1	25.6	24.1
145°	48.5	44.4	40.9	37.7	34.8	32.2	29.7	27.5	25.7	24.0	22.7
147.5°	43.6	40.2	37.1	34.4	32.0	29.8	27.8	25.8	24.0	22.4	20.9
150°	38.0	35.4	32.7	30.5	28.5	26.7	25.0	23.5	21.9	20.5	19.2
152.5°	31.5	29.9	27.8	25.9	24.3	22.8	21.5	20.3	19.7	18.9	17.9
155°	24.6	23.4	22.1	20.7	20.0	19.5	19.0	18.4	17.8	17.2	16.5
157.5°	19.9	19.6	19.3	18.9	18.3	17.6	17.0	16.5	16.0	15.4	14.8
160°	17.7	17.4	17.1	16.8	16.4	15.9	15.3	14.7	14.1	13.6	13.1
162.5°	15.5	15.2	15.0	14.7	14.3	14.0	13.6	13.1	12.5	12.0	11.4
165°	13.3	13.0	12.8	12.5	12.3	11.9	11.6	11.3	10.9	10.5	10.0
167.5°	11.0	10.9	10.7	10.4	10.2	9.9	9.7	9.4	9.0	8.7	8.4
170°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	6.9	6.7
172.5°	6.6	6.5	6.4	6.2	6.1	5.9	5.8	5.6	5.4	5.2	5.0
175°	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.3
177.5°	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	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: P232043

CATALOG NUMBER: FVS4WM-3-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°	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
5°	3.2	3.0	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4
7.5°	4.8	4.5	4.3	4.0	3.8	3.5	3.3	3.0	2.7	2.4	2.1
10°	6.4	6.1	5.7	5.4	5.1	4.7	4.4	4.0	3.6	3.2	2.8
12.5°	8.0	7.6	7.2	6.8	6.3	5.9	5.4	4.9	4.5	4.0	3.5
15°	9.5	9.0	8.5	8.0	7.4	6.9	6.4	5.9	5.3	4.7	4.2
17.5°	10.9	10.4	9.9	9.3	8.7	8.1	7.5	6.9	6.2	5.6	4.9
20°	12.5	11.9	11.3	10.7	10.0	9.4	8.6	7.9	7.1	6.3	5.5
22.5°	14.2	13.5	12.8	12.0	11.2	10.3	9.5	8.7	7.8	7.0	6.1
25°	15.7	14.8	14.0	13.1	12.2	11.3	10.3	9.4	8.5	7.7	6.7
27.5°	17.0	16.0	15.1	14.1	13.2	12.3	11.4	10.5	9.5	8.4	7.4
30°	18.2	17.2	16.4	15.5	14.6	13.5	12.4	11.2	10.1	9.0	7.9
32.5°	19.8	18.8	17.8	16.7	15.5	14.3	13.1	11.9	10.8	9.5	8.3
35°	21.5	20.2	18.9	17.7	16.4	15.1	13.8	12.4	11.0	9.7	8.5
37.5°	22.7	21.2	19.9	18.6	17.0	15.5	14.0	12.7	11.4	10.1	8.9
40°	23.6	22.2	20.6	19.0	17.4	16.0	14.7	13.3	11.9	10.5	9.2
42.5°	24.6	22.9	21.2	19.7	18.2	16.7	15.2	13.8	12.4	11.0	9.6
45°	25.4	23.7	22.2	20.6	18.9	17.3	15.8	14.3	12.8	11.4	9.9
47.5°	26.4	24.7	23.0	21.2	19.5	17.9	16.3	14.8	13.3	11.8	10.2
50°	27.5	25.6	23.6	21.9	20.2	18.4	16.8	15.2	13.7	12.1	10.6
52.5°	28.4	26.2	24.5	22.6	20.7	18.9	17.3	15.6	14.0	12.5	10.9
55°	29.1	27.2	25.2	23.0	21.2	19.5	17.7	16.1	14.4	12.8	11.2
57.5°	31.1	28.2	25.7	23.7	21.8	20.0	18.2	16.5	14.7	13.0	11.4
60°	33.5	29.9	26.8	24.4	22.5	20.6	18.7	16.9	15.0	13.1	11.3
62.5°	35.2	31.3	28.2	25.5	23.2	21.2	19.2	17.1	15.0	12.9	10.8
65°	36.7	32.6	29.2	26.3	23.7	21.5	19.4	17.1	14.7	12.4	10.4
67.5°	38.0	33.7	30.0	26.7	23.9	21.4	19.1	16.9	14.2	11.8	9.8
70°	39.2	34.6	30.5	26.9	23.9	21.1	18.5	15.9	13.3	11.2	9.1
72.5°	40.2	35.3	30.9	27.0	23.7	20.7	17.8	14.9	12.7	10.6	8.5
75°	41.2	36.0	31.1	26.9	23.5	20.3	17.1	14.4	12.1	9.8	7.7
77.5°	42.3	36.6	31.4	27.0	23.3	19.8	16.4	14.1	11.6	9.1	6.9
80°	43.4	37.3	31.8	27.1	23.0	19.3	16.2	13.9	11.1	8.4	6.1
82.5°	44.7	38.2	32.3	27.3	22.8	18.7	15.5	12.9	10.3	7.8	5.4
85°	46.1	39.2	33.0	27.6	22.7	18.3	14.9	12.1	9.6	7.2	5.1
87.5°	47.9	40.5	33.9	28.0	22.8	18.2	14.3	11.5	9.2	6.9	5.2
90°	49.9	42.1	35.1	28.8	23.2	18.3	14.0	11.2	9.1	7.0	5.6
92.5°	47.9	40.5	33.9	28.0	22.8	18.2	14.3	11.5	9.2	6.9	5.2
95°	46.1	39.2	33.0	27.6	22.7	18.3	14.9	12.1	9.6	7.2	5.1
97.5°	44.7	38.2	32.3	27.3	22.8	18.7	15.5	12.9	10.3	7.8	5.4
100°	43.4	37.3	31.8	27.1	23.0	19.3	16.2	13.9	11.1	8.4	6.1
102.5°	42.3	36.6	31.4	27.0	23.3	19.8	16.4	14.1	11.6	9.1	6.9
105°	41.2	36.0	31.1	26.9	23.5	20.3	17.1	14.4	12.1	9.8	7.7
107.5°	40.2	35.3	30.9	27.0	23.7	20.7	17.8	14.9	12.7	10.6	8.5
110°	39.2	34.6	30.5	26.9	23.9	21.1	18.5	15.9	13.3	11.2	9.1





TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	38.0	33.7	30.0	26.7	23.9	21.4	19.1	16.9	14.2	11.8	9.8
115°	36.7	32.6	29.2	26.3	23.7	21.5	19.4	17.1	14.7	12.4	10.4
117.5°	35.2	31.3	28.2	25.5	23.2	21.2	19.2	17.1	15.0	12.9	10.8
120°	33.5	29.9	26.8	24.4	22.5	20.6	18.7	16.9	15.0	13.1	11.3
122.5°	31.1	28.2	25.7	23.7	21.8	20.0	18.2	16.5	14.7	13.0	11.4
125°	29.1	27.2	25.2	23.0	21.2	19.5	17.7	16.1	14.4	12.8	11.2
127.5°	28.4	26.2	24.5	22.6	20.7	18.9	17.3	15.6	14.0	12.5	10.9
130°	27.5	25.6	23.6	21.9	20.2	18.4	16.8	15.2	13.7	12.1	10.6
132.5°	26.4	24.7	23.0	21.2	19.5	17.9	16.3	14.8	13.3	11.8	10.2
135°	25.4	23.7	22.2	20.6	18.9	17.3	15.8	14.3	12.8	11.4	9.9
137.5°	24.6	22.9	21.2	19.7	18.2	16.7	15.2	13.8	12.4	11.0	9.6
140°	23.6	22.2	20.6	19.0	17.4	16.0	14.7	13.3	11.9	10.5	9.2
142.5°	22.7	21.2	19.9	18.6	17.0	15.5	14.0	12.7	11.4	10.1	8.9
145°	21.5	20.2	18.9	17.7	16.4	15.1	13.8	12.4	11.0	9.7	8.5
147.5°	19.8	18.8	17.8	16.7	15.5	14.3	13.1	11.9	10.8	9.5	8.3
150°	18.2	17.2	16.4	15.5	14.6	13.5	12.4	11.2	10.1	9.0	7.9
152.5°	17.0	16.0	15.1	14.1	13.2	12.3	11.4	10.5	9.5	8.4	7.4
155°	15.7	14.8	14.0	13.1	12.2	11.3	10.3	9.4	8.5	7.7	6.7
157.5°	14.2	13.5	12.8	12.0	11.2	10.3	9.5	8.7	7.8	7.0	6.1
160°	12.5	11.9	11.3	10.7	10.0	9.4	8.6	7.9	7.1	6.3	5.5
162.5°	10.9	10.4	9.9	9.3	8.7	8.1	7.5	6.9	6.2	5.6	4.9
165°	9.5	9.0	8.5	8.0	7.4	6.9	6.4	5.9	5.3	4.7	4.2
167.5°	8.0	7.6	7.2	6.8	6.3	5.9	5.4	4.9	4.5	4.0	3.5
170°	6.4	6.1	5.7	5.4	5.1	4.7	4.4	4.0	3.6	3.2	2.8
172.5°	4.8	4.5	4.3	4.0	3.8	3.5	3.3	3.0	2.7	2.4	2.1
175°	3.2	3.0	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4
177.5°	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
7.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
10°	2.5	2.0	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
12.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
15°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
17.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
20°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
22.5°	5.2	4.4	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
25°	5.8	4.9	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
27.5°	6.3	5.3	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
30°	6.8	5.6	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
32.5°	7.0	5.8	4.6	3.5	2.3	1.1	0.0	1.1	2.3	3.5	4.6
35°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
37.5°	7.6	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
40°	7.9	6.5	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
42.5°	8.2	6.8	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
45°	8.5	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
47.5°	8.8	7.3	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
50°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
52.5°	9.3	7.7	6.1	4.6	3.0	1.5	0.0	1.5	3.0	4.6	6.1
55°	9.5	7.9	6.3	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.3
57.5°	9.8	8.0	6.2	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.2
60°	9.4	7.6	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
62.5°	9.1	7.7	5.9	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.9
65°	8.6	7.0	5.4	3.8	2.4	1.2	0.0	1.2	2.4	3.8	5.4
67.5°	7.9	6.2	4.8	3.6	2.6	1.6	0.7	1.6	2.6	3.6	4.8
70°	7.2	5.7	4.5	3.5	2.5	1.6	0.7	1.6	2.5	3.5	4.5
72.5°	6.6	5.2	4.1	3.2	2.3	1.5	0.7	1.5	2.3	3.2	4.1
75°	6.1	4.6	3.4	2.7	2.0	1.3	0.7	1.3	2.0	2.7	3.4
77.5°	5.3	3.6	2.6	1.7	0.8	0.1	0.0	0.1	0.8	1.7	2.6
80°	4.2	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
82.5°	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.2	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
102.5°	5.3	3.6	2.6	1.7	0.8	0.1	0.0	0.1	0.8	1.7	2.6
105°	6.1	4.6	3.4	2.7	2.0	1.3	0.7	1.3	2.0	2.7	3.4
107.5°	6.6	5.2	4.1	3.2	2.3	1.5	0.7	1.5	2.3	3.2	4.1
110°	7.2	5.7	4.5	3.5	2.5	1.6	0.7	1.6	2.5	3.5	4.5



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	7.9	6.2	4.8	3.6	2.6	1.6	0.7	1.6	2.6	3.6	4.8
115°	8.6	7.0	5.4	3.8	2.4	1.2	0.0	1.2	2.4	3.8	5.4
117.5°	9.1	7.7	5.9	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.9
120°	9.4	7.6	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
122.5°	9.8	8.0	6.2	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.2
125°	9.5	7.9	6.3	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.3
127.5°	9.3	7.7	6.1	4.6	3.0	1.5	0.0	1.5	3.0	4.6	6.1
130°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
132.5°	8.8	7.3	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
135°	8.5	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
137.5°	8.2	6.8	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
140°	7.9	6.5	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
142.5°	7.6	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
145°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
147.5°	7.0	5.8	4.6	3.5	2.3	1.1	0.0	1.1	2.3	3.5	4.6
150°	6.8	5.6	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
152.5°	6.3	5.3	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
155°	5.8	4.9	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
157.5°	5.2	4.4	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
160°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
162.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
165°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
167.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
170°	2.5	2.0	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
172.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
175°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
177.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.4
5°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9
7.5°	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.5	3.8	4.0	4.3
10°	2.0	2.5	2.8	3.2	3.6	4.0	4.4	4.7	5.1	5.4	5.7
12.5°	2.5	3.0	3.5	4.0	4.5	4.9	5.4	5.9	6.3	6.8	7.2
15°	3.0	3.6	4.2	4.7	5.3	5.9	6.4	6.9	7.4	8.0	8.5
17.5°	3.5	4.2	4.9	5.6	6.2	6.9	7.5	8.1	8.7	9.3	9.9
20°	4.0	4.8	5.5	6.3	7.1	7.9	8.6	9.4	10.0	10.7	11.3
22.5°	4.4	5.2	6.1	7.0	7.8	8.7	9.5	10.3	11.2	12.0	12.8
25°	4.9	5.8	6.7	7.7	8.5	9.4	10.3	11.3	12.2	13.1	14.0
27.5°	5.3	6.3	7.4	8.4	9.5	10.5	11.4	12.3	13.2	14.1	15.1
30°	5.6	6.8	7.9	9.0	10.1	11.2	12.4	13.5	14.6	15.5	16.4
32.5°	5.8	7.0	8.3	9.5	10.8	11.9	13.1	14.3	15.5	16.7	17.8
35°	6.0	7.2	8.5	9.7	11.0	12.4	13.8	15.1	16.4	17.7	18.9
37.5°	6.3	7.6	8.9	10.1	11.4	12.7	14.0	15.5	17.0	18.6	19.9
40°	6.5	7.9	9.2	10.5	11.9	13.3	14.7	16.0	17.4	19.0	20.6
42.5°	6.8	8.2	9.6	11.0	12.4	13.8	15.2	16.7	18.2	19.7	21.2
45°	7.0	8.5	9.9	11.4	12.8	14.3	15.8	17.3	18.9	20.6	22.2
47.5°	7.3	8.8	10.2	11.8	13.3	14.8	16.3	17.9	19.5	21.2	23.0
50°	7.5	9.0	10.6	12.1	13.7	15.2	16.8	18.4	20.2	21.9	23.6
52.5°	7.7	9.3	10.9	12.5	14.0	15.6	17.3	18.9	20.7	22.6	24.5
55°	7.9	9.5	11.2	12.8	14.4	16.1	17.7	19.5	21.2	23.0	25.2
57.5°	8.0	9.8	11.4	13.0	14.7	16.5	18.2	20.0	21.8	23.7	25.7
60°	7.6	9.4	11.3	13.1	15.0	16.9	18.7	20.6	22.5	24.4	26.8
62.5°	7.7	9.1	10.8	12.9	15.0	17.1	19.2	21.2	23.2	25.5	28.2
65°	7.0	8.6	10.4	12.4	14.7	17.1	19.4	21.5	23.7	26.3	29.2
67.5°	6.2	7.9	9.8	11.8	14.2	16.9	19.1	21.4	23.9	26.7	30.0
70°	5.7	7.2	9.1	11.2	13.3	15.9	18.5	21.1	23.9	26.9	30.5
72.5°	5.2	6.6	8.5	10.6	12.7	14.9	17.8	20.7	23.7	27.0	30.9
75°	4.6	6.1	7.7	9.8	12.1	14.4	17.1	20.3	23.5	26.9	31.1
77.5°	3.6	5.3	6.9	9.1	11.6	14.1	16.4	19.8	23.3	27.0	31.4
80°	2.7	4.2	6.1	8.4	11.1	13.9	16.2	19.3	23.0	27.1	31.8
82.5°	1.7	3.5	5.4	7.8	10.3	12.9	15.5	18.7	22.8	27.3	32.3
85°	0.8	3.0	5.1	7.2	9.6	12.1	14.9	18.3	22.7	27.6	33.0
87.5°	0.3	3.1	5.2	6.9	9.2	11.5	14.3	18.2	22.8	28.0	33.9
90°	0.0	3.5	5.6	7.0	9.1	11.2	14.0	18.3	23.2	28.8	35.1
92.5°	0.3	3.1	5.2	6.9	9.2	11.5	14.3	18.2	22.8	28.0	33.9
95°	0.8	3.0	5.1	7.2	9.6	12.1	14.9	18.3	22.7	27.6	33.0
97.5°	1.7	3.5	5.4	7.8	10.3	12.9	15.5	18.7	22.8	27.3	32.3
100°	2.7	4.2	6.1	8.4	11.1	13.9	16.2	19.3	23.0	27.1	31.8
102.5°	3.6	5.3	6.9	9.1	11.6	14.1	16.4	19.8	23.3	27.0	31.4
105°	4.6	6.1	7.7	9.8	12.1	14.4	17.1	20.3	23.5	26.9	31.1
107.5°	5.2	6.6	8.5	10.6	12.7	14.9	17.8	20.7	23.7	27.0	30.9
110°	5.7	7.2	9.1	11.2	13.3	15.9	18.5	21.1	23.9	26.9	30.5



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	6.2	7.9	9.8	11.8	14.2	16.9	19.1	21.4	23.9	26.7	30.0
115°	7.0	8.6	10.4	12.4	14.7	17.1	19.4	21.5	23.7	26.3	29.2
117.5°	7.7	9.1	10.8	12.9	15.0	17.1	19.2	21.2	23.2	25.5	28.2
120°	7.6	9.4	11.3	13.1	15.0	16.9	18.7	20.6	22.5	24.4	26.8
122.5°	8.0	9.8	11.4	13.0	14.7	16.5	18.2	20.0	21.8	23.7	25.7
125°	7.9	9.5	11.2	12.8	14.4	16.1	17.7	19.5	21.2	23.0	25.2
127.5°	7.7	9.3	10.9	12.5	14.0	15.6	17.3	18.9	20.7	22.6	24.5
130°	7.5	9.0	10.6	12.1	13.7	15.2	16.8	18.4	20.2	21.9	23.6
132.5°	7.3	8.8	10.2	11.8	13.3	14.8	16.3	17.9	19.5	21.2	23.0
135°	7.0	8.5	9.9	11.4	12.8	14.3	15.8	17.3	18.9	20.6	22.2
137.5°	6.8	8.2	9.6	11.0	12.4	13.8	15.2	16.7	18.2	19.7	21.2
140°	6.5	7.9	9.2	10.5	11.9	13.3	14.7	16.0	17.4	19.0	20.6
142.5°	6.3	7.6	8.9	10.1	11.4	12.7	14.0	15.5	17.0	18.6	19.9
145°	6.0	7.2	8.5	9.7	11.0	12.4	13.8	15.1	16.4	17.7	18.9
147.5°	5.8	7.0	8.3	9.5	10.8	11.9	13.1	14.3	15.5	16.7	17.8
150°	5.6	6.8	7.9	9.0	10.1	11.2	12.4	13.5	14.6	15.5	16.4
152.5°	5.3	6.3	7.4	8.4	9.5	10.5	11.4	12.3	13.2	14.1	15.1
155°	4.9	5.8	6.7	7.7	8.5	9.4	10.3	11.3	12.2	13.1	14.0
157.5°	4.4	5.2	6.1	7.0	7.8	8.7	9.5	10.3	11.2	12.0	12.8
160°	4.0	4.8	5.5	6.3	7.1	7.9	8.6	9.4	10.0	10.7	11.3
162.5°	3.5	4.2	4.9	5.6	6.2	6.9	7.5	8.1	8.7	9.3	9.9
165°	3.0	3.6	4.2	4.7	5.3	5.9	6.4	6.9	7.4	8.0	8.5
167.5°	2.5	3.0	3.5	4.0	4.5	4.9	5.4	5.9	6.3	6.8	7.2
170°	2.0	2.5	2.8	3.2	3.6	4.0	4.4	4.7	5.1	5.4	5.7
172.5°	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.5	3.8	4.0	4.3
175°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9
177.5°	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	1.5	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2
5°	3.0	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3
7.5°	4.5	4.8	5.0	5.2	5.4	5.6	5.8	5.9	6.1	6.2	6.4
10°	6.1	6.4	6.7	6.9	7.2	7.5	7.7	7.9	8.1	8.3	8.5
12.5°	7.6	8.0	8.4	8.7	9.0	9.4	9.7	9.9	10.2	10.4	10.7
15°	9.0	9.5	10.0	10.5	10.9	11.3	11.6	11.9	12.3	12.5	12.8
17.5°	10.4	10.9	11.4	12.0	12.5	13.1	13.6	14.0	14.3	14.7	15.0
20°	11.9	12.5	13.1	13.6	14.1	14.7	15.3	15.9	16.4	16.8	17.1
22.5°	13.5	14.2	14.8	15.4	16.0	16.5	17.0	17.6	18.3	18.9	19.3
25°	14.8	15.7	16.5	17.2	17.8	18.4	19.0	19.5	20.0	20.7	22.1
27.5°	16.0	17.0	17.9	18.9	19.7	20.3	21.5	22.8	24.3	25.9	27.8
30°	17.2	18.2	19.2	20.5	21.9	23.5	25.0	26.7	28.5	30.5	32.7
32.5°	18.8	19.8	20.9	22.4	24.0	25.8	27.8	29.8	32.0	34.4	37.1
35°	20.2	21.5	22.7	24.0	25.7	27.5	29.7	32.2	34.8	37.7	40.9
37.5°	21.2	22.7	24.1	25.6	27.1	29.1	31.3	34.0	37.0	40.4	44.0
40°	22.2	23.6	25.2	26.9	28.6	30.4	32.7	35.4	38.8	42.5	46.8
42.5°	22.9	24.6	26.2	27.9	29.8	31.8	34.0	36.8	40.1	44.3	49.0
45°	23.7	25.4	27.1	28.9	30.8	32.9	35.3	37.9	41.5	45.8	50.8
47.5°	24.7	26.4	28.1	29.9	31.8	34.0	36.4	39.2	42.7	46.9	52.5
50°	25.6	27.5	29.2	31.0	32.8	35.0	37.5	40.6	44.9	49.7	55.0
52.5°	26.2	28.4	30.4	32.2	34.0	37.4	41.3	45.4	49.7	54.0	58.3
55°	27.2	29.1	31.7	35.0	38.4	42.1	46.1	50.4	54.7	58.8	62.3
57.5°	28.2	31.1	34.6	38.6	42.5	46.6	50.9	55.4	59.9	64.1	67.2
60°	29.9	33.5	37.1	41.6	46.2	50.8	55.6	60.3	65.1	69.4	72.5
62.5°	31.3	35.2	39.5	44.2	49.5	54.6	60.0	65.3	70.3	74.9	78.3
65°	32.6	36.7	41.4	46.5	52.4	58.3	64.2	70.1	75.5	80.6	84.4
67.5°	33.7	38.0	43.0	48.6	55.0	61.7	68.2	74.9	80.8	86.2	90.1
70°	34.6	39.2	44.5	50.6	57.4	64.9	72.1	79.5	86.0	91.3	94.5
72.5°	35.3	40.2	45.9	52.4	59.7	67.3	74.4	81.2	87.0	91.4	94.1
75°	36.0	41.2	47.2	53.8	60.9	68.4	75.5	82.1	87.7	91.7	94.0
77.5°	36.6	42.3	48.5	55.3	62.5	69.8	76.8	83.3	88.8	92.4	94.1
80°	37.3	43.4	49.8	57.0	64.3	71.5	78.4	84.7	90.1	93.3	94.4
82.5°	38.2	44.7	51.4	58.8	66.5	73.6	80.2	86.4	91.6	94.4	94.8
85°	39.2	46.1	53.2	60.9	68.8	76.0	82.3	88.3	93.3	95.7	95.2
87.5°	40.5	47.9	55.2	63.3	71.5	78.6	84.6	90.4	95.0	97.0	95.7
90°	42.1	49.9	57.6	66.0	74.4	81.5	87.1	92.7	96.9	98.3	96.2
92.5°	40.5	47.9	55.2	63.3	71.5	78.6	84.6	90.4	95.0	97.0	95.7
95°	39.2	46.1	53.2	60.9	68.8	76.0	82.3	88.3	93.3	95.7	95.2
97.5°	38.2	44.7	51.4	58.8	66.5	73.6	80.2	86.4	91.6	94.4	94.8
100°	37.3	43.4	49.8	57.0	64.3	71.5	78.4	84.7	90.1	93.3	94.4
102.5°	36.6	42.3	48.5	55.3	62.5	69.8	76.8	83.3	88.8	92.4	94.1
105°	36.0	41.2	47.2	53.8	60.9	68.4	75.5	82.1	87.7	91.7	94.0
107.5°	35.3	40.2	45.9	52.4	59.7	67.3	74.4	81.2	87.0	91.4	94.1
110°	34.6	39.2	44.5	50.6	57.4	64.9	72.1	79.5	86.0	91.3	94.5



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	33.7	38.0	43.0	48.6	55.0	61.7	68.2	74.9	80.8	86.2	90.1
115°	32.6	36.7	41.4	46.5	52.4	58.3	64.2	70.1	75.5	80.6	84.4
117.5°	31.3	35.2	39.5	44.2	49.5	54.6	60.0	65.3	70.3	74.9	78.3
120°	29.9	33.5	37.1	41.6	46.2	50.8	55.6	60.3	65.1	69.4	72.5
122.5°	28.2	31.1	34.6	38.6	42.5	46.6	50.9	55.4	59.9	64.1	67.2
125°	27.2	29.1	31.7	35.0	38.4	42.1	46.1	50.4	54.7	58.8	62.3
127.5°	26.2	28.4	30.4	32.2	34.0	37.4	41.3	45.4	49.7	54.0	58.3
130°	25.6	27.5	29.2	31.0	32.8	35.0	37.5	40.6	44.9	49.7	55.0
132.5°	24.7	26.4	28.1	29.9	31.8	34.0	36.4	39.2	42.7	46.9	52.5
135°	23.7	25.4	27.1	28.9	30.8	32.9	35.3	37.9	41.5	45.8	50.8
137.5°	22.9	24.6	26.2	27.9	29.8	31.8	34.0	36.8	40.1	44.3	49.0
140°	22.2	23.6	25.2	26.9	28.6	30.4	32.7	35.4	38.8	42.5	46.8
142.5°	21.2	22.7	24.1	25.6	27.1	29.1	31.3	34.0	37.0	40.4	44.0
145°	20.2	21.5	22.7	24.0	25.7	27.5	29.7	32.2	34.8	37.7	40.9
147.5°	18.8	19.8	20.9	22.4	24.0	25.8	27.8	29.8	32.0	34.4	37.1
150°	17.2	18.2	19.2	20.5	21.9	23.5	25.0	26.7	28.5	30.5	32.7
152.5°	16.0	17.0	17.9	18.9	19.7	20.3	21.5	22.8	24.3	25.9	27.8
155°	14.8	15.7	16.5	17.2	17.8	18.4	19.0	19.5	20.0	20.7	22.1
157.5°	13.5	14.2	14.8	15.4	16.0	16.5	17.0	17.6	18.3	18.9	19.3
160°	11.9	12.5	13.1	13.6	14.1	14.7	15.3	15.9	16.4	16.8	17.1
162.5°	10.4	10.9	11.4	12.0	12.5	13.1	13.6	14.0	14.3	14.7	15.0
165°	9.0	9.5	10.0	10.5	10.9	11.3	11.6	11.9	12.3	12.5	12.8
167.5°	7.6	8.0	8.4	8.7	9.0	9.4	9.7	9.9	10.2	10.4	10.7
170°	6.1	6.4	6.7	6.9	7.2	7.5	7.7	7.9	8.1	8.3	8.5
172.5°	4.5	4.8	5.0	5.2	5.4	5.6	5.8	5.9	6.1	6.2	6.4
175°	3.0	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3
177.5°	1.5	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	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: P232043

CATALOG NUMBER: FVS4WM-3-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°	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.7
5°	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.8	4.8	5.4
7.5°	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3	8.1
10°	8.7	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	10.8
12.5°	10.9	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.0	12.1	13.5
15°	13.0	13.3	13.4	13.6	13.7	13.9	14.1	14.2	14.4	14.5	16.2
17.5°	15.2	15.5	15.7	15.9	16.0	16.2	16.3	16.6	16.8	17.0	18.9
20°	17.4	17.7	18.0	18.2	18.3	18.5	18.6	18.9	19.1	19.4	21.5
22.5°	19.6	19.9	20.2	20.4	20.6	20.8	20.9	21.2	21.5	21.8	24.2
25°	23.4	24.6	25.7	26.6	27.3	27.9	28.2	28.6	28.9	29.1	31.6
27.5°	29.9	31.5	33.0	34.2	35.1	35.7	35.9	36.1	36.4	36.5	39.0
30°	35.4	38.0	40.0	41.8	42.8	43.5	43.7	43.7	43.8	43.8	46.3
32.5°	40.2	43.6	46.5	49.0	50.5	51.3	51.6	51.4	51.4	51.1	53.6
35°	44.4	48.5	52.8	55.7	58.1	59.1	59.4	59.2	58.9	58.5	60.9
37.5°	48.2	52.8	58.0	62.2	65.8	66.8	67.4	66.9	66.4	65.8	68.1
40°	51.5	56.7	62.7	68.4	72.6	74.6	75.4	74.7	74.0	73.1	75.4
42.5°	54.2	60.3	67.0	74.5	79.2	82.3	83.3	82.6	81.6	80.5	82.5
45°	56.8	63.4	70.8	79.1	85.6	90.1	91.1	90.4	89.2	87.8	89.7
47.5°	58.9	65.6	72.7	80.6	87.4	92.5	93.8	94.4	94.9	95.6	99.8
50°	60.7	66.6	73.2	80.4	87.5	93.3	95.7	97.9	100.4	103.4	110.1
52.5°	63.2	68.5	74.1	80.5	87.6	93.8	97.4	101.1	105.7	111.2	120.6
55°	66.5	70.9	75.6	80.9	87.7	94.2	99.0	104.1	110.9	119.0	131.2
57.5°	70.4	73.8	77.5	81.9	88.0	94.7	100.5	106.8	116.0	126.8	141.9
60°	74.7	77.3	80.0	83.4	88.5	95.2	101.8	109.4	121.0	134.6	152.7
62.5°	79.5	81.2	82.9	85.3	89.4	95.7	103.1	111.8	125.8	142.4	163.7
65°	84.8	85.6	86.2	87.4	90.4	96.2	104.3	114.0	130.6	150.2	174.7
67.5°	90.5	90.2	89.9	89.9	91.6	96.8	105.4	116.1	135.2	158.0	185.8
70°	94.1	92.3	90.8	90.0	91.1	95.7	104.4	114.9	133.9	156.6	184.8
72.5°	93.9	91.9	90.1	89.1	90.1	94.4	103.4	113.7	132.5	155.2	183.7
75°	93.7	91.4	89.4	88.1	89.2	93.2	102.4	112.6	131.2	153.8	183.5
77.5°	93.5	90.9	88.7	87.2	88.3	92.0	101.4	111.5	129.9	152.4	182.0
80°	93.3	90.5	88.0	86.2	87.4	90.9	100.6	110.6	128.7	151.0	180.4
82.5°	93.0	90.0	87.3	85.2	86.6	89.8	99.7	109.7	127.5	149.6	178.9
85°	92.7	89.6	86.6	84.2	85.8	88.8	99.0	108.9	126.4	148.2	177.3
87.5°	92.4	89.1	85.8	83.2	85.0	87.9	98.3	108.2	125.3	146.8	175.8
90°	92.0	88.5	85.0	82.2	84.3	87.1	97.6	107.5	124.3	145.4	174.2
92.5°	92.4	89.1	85.8	83.2	85.0	87.9	98.3	108.2	125.3	146.8	175.8
95°	92.7	89.6	86.6	84.2	85.8	88.8	99.0	108.9	126.4	148.2	177.3
97.5°	93.0	90.0	87.3	85.2	86.6	89.8	99.7	109.7	127.5	149.6	178.9
100°	93.3	90.5	88.0	86.2	87.4	90.9	100.6	110.6	128.7	151.0	180.4
102.5°	93.5	90.9	88.7	87.2	88.3	92.0	101.4	111.5	129.9	152.4	182.0
105°	93.7	91.4	89.4	88.1	89.2	93.2	102.4	112.6	131.2	153.8	183.5
107.5°	93.9	91.9	90.1	89.1	90.1	94.4	103.4	113.7	132.5	155.2	183.7
110°	94.1	92.3	90.8	90.0	91.1	95.7	104.4	114.9	133.9	156.6	184.8





TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	90.5	90.2	89.9	89.9	91.6	96.8	105.4	116.1	135.2	158.0	185.8
115°	84.8	85.6	86.2	87.4	90.4	96.2	104.3	114.0	130.6	150.2	174.7
117.5°	79.5	81.2	82.9	85.3	89.4	95.7	103.1	111.8	125.8	142.4	163.7
120°	74.7	77.3	80.0	83.4	88.5	95.2	101.8	109.4	121.0	134.6	152.7
122.5°	70.4	73.8	77.5	81.9	88.0	94.7	100.5	106.8	116.0	126.8	141.9
125°	66.5	70.9	75.6	80.9	87.7	94.2	99.0	104.1	110.9	119.0	131.2
127.5°	63.2	68.5	74.1	80.5	87.6	93.8	97.4	101.1	105.7	111.2	120.6
130°	60.7	66.6	73.2	80.4	87.5	93.3	95.7	97.9	100.4	103.4	110.1
132.5°	58.9	65.6	72.7	80.6	87.4	92.5	93.8	94.4	94.9	95.6	99.8
135°	56.8	63.4	70.8	79.1	85.6	90.1	91.1	90.4	89.2	87.8	89.7
137.5°	54.2	60.3	67.0	74.5	79.2	82.3	83.3	82.6	81.6	80.5	82.5
140°	51.5	56.7	62.7	68.4	72.6	74.6	75.4	74.7	74.0	73.1	75.4
142.5°	48.2	52.8	58.0	62.2	65.8	66.8	67.4	66.9	66.4	65.8	68.1
145°	44.4	48.5	52.8	55.7	58.1	59.1	59.4	59.2	58.9	58.5	60.9
147.5°	40.2	43.6	46.5	49.0	50.5	51.3	51.6	51.4	51.4	51.1	53.6
150°	35.4	38.0	40.0	41.8	42.8	43.5	43.7	43.7	43.8	43.8	46.3
152.5°	29.9	31.5	33.0	34.2	35.1	35.7	35.9	36.1	36.4	36.5	39.0
155°	23.4	24.6	25.7	26.6	27.3	27.9	28.2	28.6	28.9	29.1	31.6
157.5°	19.6	19.9	20.2	20.4	20.6	20.8	20.9	21.2	21.5	21.8	24.2
160°	17.4	17.7	18.0	18.2	18.3	18.5	18.6	18.9	19.1	19.4	21.5
162.5°	15.2	15.5	15.7	15.9	16.0	16.2	16.3	16.6	16.8	17.0	18.9
165°	13.0	13.3	13.4	13.6	13.7	13.9	14.1	14.2	14.4	14.5	16.2
167.5°	10.9	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.0	12.1	13.5
170°	8.7	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	10.8
172.5°	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3	8.1
175°	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.8	4.8	5.4
177.5°	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.7
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: P232043

CATALOG NUMBER: FVS4WM-3-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°	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.6
5°	6.0	6.6	7.1	7.7	8.2	8.7	9.2	9.7	10.2	10.6	11.1
7.5°	9.0	9.8	10.7	11.5	12.3	13.0	13.9	15.0	16.1	17.2	18.3
10°	12.0	13.1	14.2	15.2	16.4	18.0	19.5	21.1	22.5	24.0	25.4
12.5°	14.9	16.3	17.6	19.2	21.2	23.2	25.1	27.0	28.9	30.7	32.5
15°	17.9	19.5	21.2	23.6	26.0	28.4	30.7	32.9	35.2	37.3	39.7
17.5°	20.8	22.6	25.1	28.0	30.7	33.4	36.1	38.7	41.2	43.6	45.9
20°	23.7	25.8	29.1	32.3	35.4	38.3	41.3	44.1	46.9	49.5	52.2
22.5°	26.5	29.4	33.0	36.5	39.8	43.0	46.2	49.3	52.3	55.2	57.7
25°	33.9	37.0	40.6	44.0	47.1	50.1	52.9	55.6	58.0	60.0	62.7
27.5°	41.3	44.9	48.6	52.1	55.4	58.4	61.4	64.1	66.2	68.3	70.2
30°	48.7	52.6	56.6	60.0	63.7	66.6	69.5	71.9	74.1	76.2	78.2
32.5°	56.2	60.3	64.2	67.9	71.3	74.4	77.1	79.5	81.6	83.7	86.2
35°	63.7	67.8	71.8	75.5	78.9	82.2	84.4	86.7	88.8	91.1	94.0
37.5°	71.1	75.3	79.3	83.0	86.2	89.1	91.5	93.6	95.8	98.4	101.6
40°	78.4	82.6	86.6	90.2	93.4	95.9	98.2	100.2	102.5	105.0	109.9
42.5°	85.7	89.9	93.8	97.3	100.3	102.6	104.7	106.5	108.8	112.3	117.5
45°	92.9	97.0	101.0	104.2	106.9	109.1	110.9	112.6	114.6	119.3	125.1
47.5°	105.5	111.5	116.2	118.2	119.2	119.7	119.7	119.2	120.9	125.9	132.6
50°	118.7	127.1	133.2	134.8	135.3	135.5	135.5	135.0	136.3	139.1	143.3
52.5°	132.3	143.0	150.0	151.3	151.0	151.3	151.3	150.9	152.6	156.2	160.8
55°	146.2	159.2	166.6	167.5	166.6	167.1	166.9	167.1	168.9	172.8	177.2
57.5°	160.4	175.6	183.1	183.4	182.0	182.9	182.5	183.0	185.3	188.9	192.7
60°	174.8	192.3	199.6	199.2	197.7	198.7	198.0	198.7	201.3	204.2	207.1
62.5°	189.5	209.1	216.0	214.8	213.4	214.3	213.6	214.0	216.9	218.7	220.6
65°	204.3	226.1	232.3	230.2	229.1	229.8	229.1	229.5	232.2	232.4	233.2
67.5°	219.3	243.2	248.5	245.6	244.8	245.2	244.5	244.9	246.5	245.5	245.0
70°	219.5	246.0	254.3	254.1	254.8	255.4	255.4	256.7	258.1	257.3	256.0
72.5°	219.2	247.6	259.1	261.5	262.3	262.2	261.8	262.4	262.1	260.4	259.5
75°	218.7	249.3	264.3	269.3	269.7	269.1	268.1	267.8	265.9	263.3	262.2
77.5°	218.0	251.0	269.8	277.3	276.8	275.9	274.4	272.8	269.5	265.9	265.0
80°	218.4	252.7	275.5	285.5	283.9	282.6	280.5	277.5	272.9	268.4	267.9
82.5°	217.0	255.2	282.3	293.9	290.9	289.4	286.6	282.1	276.3	270.8	270.8
85°	215.6	256.1	287.7	302.6	297.7	296.1	292.5	286.4	279.7	273.1	273.7
87.5°	214.2	256.9	293.1	310.7	304.8	302.9	298.7	291.1	283.0	275.5	276.6
90°	212.8	257.8	298.5	318.9	311.8	309.7	304.8	295.7	286.6	278.1	279.5
92.5°	214.2	256.9	293.1	310.7	304.8	302.9	298.7	291.1	283.0	275.5	276.6
95°	215.6	256.1	287.7	302.6	297.7	296.1	292.5	286.4	279.7	273.1	273.7
97.5°	217.0	255.2	282.3	293.9	290.9	289.4	286.6	282.1	276.3	270.8	270.8
100°	218.4	252.7	275.5	285.5	283.9	282.6	280.5	277.5	272.9	268.4	267.9
102.5°	218.0	251.0	269.8	277.3	276.8	275.9	274.4	272.8	269.5	265.9	265.0
105°	218.7	249.3	264.3	269.3	269.7	269.1	268.1	267.8	265.9	263.3	262.2
107.5°	219.2	247.6	259.1	261.5	262.3	262.2	261.8	262.4	262.1	260.4	259.5
110°	219.5	246.0	254.3	254.1	254.8	255.4	255.4	256.7	258.1	257.3	256.0



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	219.3	243.2	248.5	245.6	244.8	245.2	244.5	244.9	246.5	245.5	245.0
115°	204.3	226.1	232.3	230.2	229.1	229.8	229.1	229.5	232.2	232.4	233.2
117.5°	189.5	209.1	216.0	214.8	213.4	214.3	213.6	214.0	216.9	218.7	220.6
120°	174.8	192.3	199.6	199.2	197.7	198.7	198.0	198.7	201.3	204.2	207.1
122.5°	160.4	175.6	183.1	183.4	182.0	182.9	182.5	183.0	185.3	188.9	192.7
125°	146.2	159.2	166.6	167.5	166.6	167.1	166.9	167.1	168.9	172.8	177.2
127.5°	132.3	143.0	150.0	151.3	151.0	151.3	151.3	150.9	152.6	156.2	160.8
130°	118.7	127.1	133.2	134.8	135.3	135.5	135.5	135.0	136.3	139.1	143.3
132.5°	105.5	111.5	116.2	118.2	119.2	119.7	119.7	119.2	120.9	125.9	132.6
135°	92.9	97.0	101.0	104.2	106.9	109.1	110.9	112.6	114.6	119.3	125.1
137.5°	85.7	89.9	93.8	97.3	100.3	102.6	104.7	106.5	108.8	112.3	117.5
140°	78.4	82.6	86.6	90.2	93.4	95.9	98.2	100.2	102.5	105.0	109.9
142.5°	71.1	75.3	79.3	83.0	86.2	89.1	91.5	93.6	95.8	98.4	101.6
145°	63.7	67.8	71.8	75.5	78.9	82.2	84.4	86.7	88.8	91.1	94.0
147.5°	56.2	60.3	64.2	67.9	71.3	74.4	77.1	79.5	81.6	83.7	86.2
150°	48.7	52.6	56.6	60.0	63.7	66.6	69.5	71.9	74.1	76.2	78.2
152.5°	41.3	44.9	48.6	52.1	55.4	58.4	61.4	64.1	66.2	68.3	70.2
155°	33.9	37.0	40.6	44.0	47.1	50.1	52.9	55.6	58.0	60.0	62.7
157.5°	26.5	29.4	33.0	36.5	39.8	43.0	46.2	49.3	52.3	55.2	57.7
160°	23.7	25.8	29.1	32.3	35.4	38.3	41.3	44.1	46.9	49.5	52.2
162.5°	20.8	22.6	25.1	28.0	30.7	33.4	36.1	38.7	41.2	43.6	45.9
165°	17.9	19.5	21.2	23.6	26.0	28.4	30.7	32.9	35.2	37.3	39.7
167.5°	14.9	16.3	17.6	19.2	21.2	23.2	25.1	27.0	28.9	30.7	32.5
170°	12.0	13.1	14.2	15.2	16.4	18.0	19.5	21.1	22.5	24.0	25.4
172.5°	9.0	9.8	10.7	11.5	12.3	13.0	13.9	15.0	16.1	17.2	18.3
175°	6.0	6.6	7.1	7.7	8.2	8.7	9.2	9.7	10.2	10.6	11.1
177.5°	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.6
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: P232043

CATALOG NUMBER: FVS4WM-3-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°	5.8	6.0	6.1	6.3	6.5	6.6	6.8	6.9	7.0	7.1	7.2
5°	11.7	12.4	13.0	13.6	14.1	14.6	15.1	15.6	16.0	16.4	16.7
7.5°	19.3	20.2	21.1	22.0	22.9	23.7	24.5	25.3	26.0	26.7	27.3
10°	26.8	28.1	29.5	30.7	31.9	33.1	34.2	35.2	36.1	36.9	37.7
12.5°	34.3	36.0	37.6	39.1	40.5	41.9	43.2	44.4	45.5	46.6	47.7
15°	41.4	43.4	45.2	47.0	48.7	50.3	51.9	53.5	55.0	56.4	57.8
17.5°	48.2	50.7	52.5	54.5	56.5	58.4	60.4	62.5	64.6	66.6	68.5
20°	54.6	56.9	59.2	61.5	63.9	66.4	68.8	71.2	73.3	75.3	77.2
22.5°	60.2	62.8	65.5	68.1	70.9	73.7	76.4	78.9	81.4	83.6	85.4
25°	65.4	68.2	71.3	74.4	77.8	80.9	84.5	87.8	90.5	93.0	95.1
27.5°	72.1	74.3	77.2	81.1	85.8	90.5	95.2	98.4	101.6	104.4	106.8
30°	80.6	83.6	87.0	91.9	96.8	101.7	106.4	110.6	114.5	117.9	120.9
32.5°	89.2	93.0	98.2	103.4	108.8	114.0	119.6	124.9	129.1	132.6	135.7
35°	97.8	103.1	108.7	114.5	120.4	126.7	132.8	138.2	143.3	148.0	152.4
37.5°	106.9	112.6	118.9	125.4	132.3	139.0	145.1	151.2	157.6	164.2	170.6
40°	115.4	122.0	128.9	136.4	143.7	150.7	158.0	165.4	173.0	181.0	189.4
42.5°	124.0	131.1	139.1	147.0	154.8	163.2	171.6	180.3	189.7	199.3	209.8
45°	132.1	140.4	148.9	157.5	166.7	176.1	185.4	195.0	206.0	218.0	231.7
47.5°	140.5	149.3	158.6	168.5	178.8	188.5	198.6	209.8	223.0	237.7	257.3
50°	149.2	158.3	168.5	179.8	190.0	200.1	211.3	224.9	240.9	262.3	285.7
52.5°	166.2	172.9	181.3	190.2	200.7	211.0	224.1	240.3	262.5	287.9	316.8
55°	182.3	188.7	197.4	204.2	212.3	221.7	236.6	258.6	284.6	314.8	351.7
57.5°	197.1	203.3	210.1	217.2	225.3	237.4	254.5	276.9	307.5	345.6	387.3
60°	210.8	216.2	222.2	229.3	238.9	252.5	273.7	301.4	335.4	375.7	422.6
62.5°	223.6	227.8	233.2	240.2	251.6	269.3	293.9	325.0	364.7	409.5	461.6
65°	235.0	238.4	243.6	251.5	263.9	284.0	313.2	349.9	393.2	443.1	503.3
67.5°	245.3	248.1	253.2	262.0	277.0	300.2	331.9	371.2	419.2	477.8	541.8
70°	255.0	257.1	261.9	271.4	288.4	315.0	349.7	393.0	445.7	507.7	576.3
72.5°	260.5	264.3	270.5	280.8	298.6	329.0	364.3	411.6	469.4	532.9	604.1
75°	264.5	269.9	277.9	290.6	311.4	341.6	379.2	428.0	488.2	551.9	627.8
77.5°	268.7	275.6	285.2	299.9	323.2	355.3	396.3	447.4	505.8	570.3	645.9
80°	273.1	281.4	292.2	308.5	333.5	367.4	410.7	462.7	520.5	588.9	666.8
82.5°	277.5	287.2	299.1	316.5	342.4	377.9	422.3	474.0	530.9	602.6	681.9
85°	281.9	292.8	305.6	323.8	350.0	386.8	431.4	481.6	537.1	611.4	690.9
87.5°	286.2	298.5	312.0	330.8	356.9	394.9	439.1	487.2	541.1	617.8	696.9
90°	290.1	303.4	317.5	336.4	361.7	399.6	442.5	487.4	538.7	614.5	691.8
92.5°	286.2	298.5	312.0	330.8	356.9	394.9	439.1	487.2	541.1	617.8	696.9
95°	281.9	292.8	305.6	323.8	350.0	386.8	431.4	481.6	537.1	611.4	690.9
97.5°	277.5	287.2	299.1	316.5	342.4	377.9	422.3	474.0	530.9	602.6	681.9
100°	273.1	281.4	292.2	308.5	333.5	367.4	410.7	462.7	520.5	588.9	666.8
102.5°	268.7	275.6	285.2	299.9	323.2	355.3	396.3	447.4	505.8	570.3	645.9
105°	264.5	269.9	277.9	290.6	311.4	341.6	379.2	428.0	488.2	551.9	627.8
107.5°	260.5	264.3	270.5	280.8	298.6	329.0	364.3	411.6	469.4	532.9	604.1
110°	255.0	257.1	261.9	271.4	288.4	315.0	349.7	393.0	445.7	507.7	576.3



TEST NUMBER: P232043

CATALOG NUMBER: FVS4WM-3-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°	245.3	248.1	253.2	262.0	277.0	300.2	331.9	371.2	419.2	477.8	541.8
115°	235.0	238.4	243.6	251.5	263.9	284.0	313.2	349.9	393.2	443.1	503.3
117.5°	223.6	227.8	233.2	240.2	251.6	269.3	293.9	325.0	364.7	409.5	461.6
120°	210.8	216.2	222.2	229.3	238.9	252.5	273.7	301.4	335.4	375.7	422.6
122.5°	197.1	203.3	210.1	217.2	225.3	237.4	254.5	276.9	307.5	345.6	387.3
125°	182.3	188.7	197.4	204.2	212.3	221.7	236.6	258.6	284.6	314.8	351.7
127.5°	166.2	172.9	181.3	190.2	200.7	211.0	224.1	240.3	262.5	287.9	316.8
130°	149.2	158.3	168.5	179.8	190.0	200.1	211.3	224.9	240.9	262.3	285.7
132.5°	140.5	149.3	158.6	168.5	178.8	188.5	198.6	209.8	223.0	237.7	257.3
135°	132.1	140.4	148.9	157.5	166.7	176.1	185.4	195.0	206.0	218.0	231.7
137.5°	124.0	131.1	139.1	147.0	154.8	163.2	171.6	180.3	189.7	199.3	209.8
140°	115.4	122.0	128.9	136.4	143.7	150.7	158.0	165.4	173.0	181.0	189.4
142.5°	106.9	112.6	118.9	125.4	132.3	139.0	145.1	151.2	157.6	164.2	170.6
145°	97.8	103.1	108.7	114.5	120.4	126.7	132.8	138.2	143.3	148.0	152.4
147.5°	89.2	93.0	98.2	103.4	108.8	114.0	119.6	124.9	129.1	132.6	135.7
150°	80.6	83.6	87.0	91.9	96.8	101.7	106.4	110.6	114.5	117.9	120.9
152.5°	72.1	74.3	77.2	81.1	85.8	90.5	95.2	98.4	101.6	104.4	106.8
155°	65.4	68.2	71.3	74.4	77.8	80.9	84.5	87.8	90.5	93.0	95.1
157.5°	60.2	62.8	65.5	68.1	70.9	73.7	76.4	78.9	81.4	83.6	85.4
160°	54.6	56.9	59.2	61.5	63.9	66.4	68.8	71.2	73.3	75.3	77.2
162.5°	48.2	50.7	52.5	54.5	56.5	58.4	60.4	62.5	64.6	66.6	68.5
165°	41.4	43.4	45.2	47.0	48.7	50.3	51.9	53.5	55.0	56.4	57.8
167.5°	34.3	36.0	37.6	39.1	40.5	41.9	43.2	44.4	45.5	46.6	47.7
170°	26.8	28.1	29.5	30.7	31.9	33.1	34.2	35.2	36.1	36.9	37.7
172.5°	19.3	20.2	21.1	22.0	22.9	23.7	24.5	25.3	26.0	26.7	27.3
175°	11.7	12.4	13.0	13.6	14.1	14.6	15.1	15.6	16.0	16.4	16.7
177.5°	5.8	6.0	6.1	6.3	6.5	6.6	6.8	6.9	7.0	7.1	7.2
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: P232043

CATALOG NUMBER: FVS4WM-3-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°	7.2	7.3	7.3	7.4	7.4	7.4	7.6	7.5	7.4	7.3	7.2
5°	17.0	17.3	17.5	17.7	17.9	18.0	18.0	18.1	18.4	18.2	18.0
7.5°	27.8	28.3	28.7	29.1	29.4	29.7	29.8	29.9	30.0	30.3	30.0
10°	38.4	39.0	39.6	40.0	40.4	40.8	41.0	41.2	41.2	41.6	41.3
12.5°	48.7	49.6	50.4	51.2	51.8	52.4	52.9	53.2	53.5	53.6	53.9
15°	59.3	60.7	62.0	63.3	64.4	65.5	66.4	67.1	67.8	68.3	69.0
17.5°	70.3	71.7	72.9	74.0	75.0	75.8	76.5	77.1	77.6	77.9	78.3
20°	78.9	80.3	81.3	82.0	82.5	82.7	82.8	82.7	82.4	82.0	81.5
22.5°	86.9	88.0	88.9	89.7	90.1	90.3	90.1	89.8	89.2	88.3	87.6
25°	96.8	98.1	99.0	99.8	100.1	100.1	99.7	98.9	97.9	96.6	95.0
27.5°	108.8	110.3	111.3	112.2	112.9	113.4	113.4	113.1	112.4	111.4	110.0
30°	123.0	125.0	126.7	128.0	129.9	131.6	132.8	133.5	133.8	133.7	133.0
32.5°	138.7	142.1	145.3	148.1	151.5	155.3	158.6	161.4	163.6	165.1	165.9
35°	156.6	161.9	167.5	172.9	178.2	184.1	189.4	194.0	197.9	201.0	203.2
37.5°	177.2	184.2	192.3	200.1	207.6	216.0	224.0	231.3	237.8	243.2	247.5
40°	199.0	208.4	219.0	230.0	240.7	252.6	265.1	276.5	286.6	295.2	302.2
42.5°	221.9	234.3	248.2	265.3	281.7	297.7	314.5	330.0	344.0	356.1	366.2
45°	246.8	266.2	285.1	306.5	327.9	350.5	371.0	392.5	412.0	429.2	443.8
47.5°	278.4	302.1	326.2	351.7	380.4	408.2	436.6	464.2	489.2	511.3	530.1
50°	312.7	340.9	373.1	404.3	439.0	474.4	509.7	546.4	579.6	608.7	633.3
52.5°	350.3	385.8	424.4	463.3	506.9	552.3	596.7	640.2	676.8	706.6	729.9
55°	390.7	433.6	479.7	531.8	585.0	642.5	694.9	736.6	768.3	791.4	806.7
57.5°	432.6	485.3	542.0	605.2	672.9	732.1	790.7	824.1	844.4	858.3	866.4
60°	478.2	539.2	606.7	676.1	745.8	806.8	857.1	888.2	897.6	904.6	909.1
62.5°	522.9	591.8	665.1	740.1	805.9	862.3	898.9	924.3	934.1	941.3	945.6
65°	568.2	638.5	717.3	793.5	857.7	906.0	936.5	956.8	965.7	971.8	976.9
67.5°	611.2	686.6	767.1	845.7	908.9	948.9	971.7	982.1	989.6	998.3	1004.4
70°	650.2	731.4	815.1	897.2	955.1	981.6	996.1	1006.0	1014.9	1020.1	1026.0
72.5°	683.6	768.1	854.9	930.4	980.7	1004.6	1015.6	1025.2	1032.5	1036.8	1043.5
75°	710.4	797.0	883.1	955.6	1000.6	1019.9	1032.2	1041.0	1047.1	1053.8	1058.7
77.5°	729.4	817.6	908.5	978.4	1016.9	1035.2	1045.4	1050.9	1060.3	1067.6	1073.6
80°	749.1	836.9	927.7	1000.0	1035.3	1047.5	1051.7	1061.6	1070.5	1077.5	1085.8
82.5°	765.6	856.8	946.6	1012.1	1043.0	1052.0	1058.1	1069.2	1077.6	1092.0	1096.2
85°	775.5	868.4	958.5	1019.7	1044.5	1053.4	1062.7	1075.0	1081.8	1092.7	1101.5
87.5°	781.9	871.6	962.7	1023.8	1045.3	1054.7	1064.4	1076.3	1080.6	1093.9	1101.9
90°	775.4	866.7	958.7	1022.6	1044.4	1055.6	1064.0	1074.6	1080.9	1097.0	1097.7
92.5°	781.9	871.6	962.7	1023.8	1045.3	1054.7	1064.4	1076.3	1080.6	1093.9	1101.9
95°	775.5	868.4	958.5	1019.7	1044.5	1053.4	1062.7	1075.0	1081.8	1092.7	1101.5
97.5°	765.6	856.8	946.6	1012.1	1043.0	1052.0	1058.1	1069.2	1077.6	1092.0	1096.2
100°	749.1	836.9	927.7	1000.0	1035.3	1047.5	1051.7	1061.6	1070.5	1077.5	1085.8
102.5°	729.4	817.6	908.5	978.4	1016.9	1035.2	1045.4	1050.9	1060.3	1067.6	1073.6
105°	710.4	797.0	883.1	955.6	1000.6	1019.9	1032.2	1041.0	1047.1	1053.8	1058.7
107.5°	683.6	768.1	854.9	930.4	980.7	1004.6	1015.6	1025.2	1032.5	1036.8	1043.5
110°	650.2	731.4	815.1	897.2	955.1	981.6	996.1	1006.0	1014.9	1020.1	1026.0



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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°	611.2	686.6	767.1	845.7	908.9	948.9	971.7	982.1	989.6	998.3	1004.4
115°	568.2	638.5	717.3	793.5	857.7	906.0	936.5	956.8	965.7	971.8	976.9
117.5°	522.9	591.8	665.1	740.1	805.9	862.3	898.9	924.3	934.1	941.3	945.6
120°	478.2	539.1	606.7	676.1	745.8	806.8	857.1	888.2	897.6	904.6	909.1
122.5°	432.6	485.3	542.0	605.2	672.9	732.1	790.7	824.1	844.4	858.3	866.4
125°	390.7	433.6	479.7	531.8	585.0	642.5	694.9	736.6	768.3	791.4	806.7
127.5°	350.3	385.8	424.4	463.3	506.9	552.3	596.7	640.2	676.8	706.6	729.9
130°	312.7	340.9	373.1	404.3	439.0	474.4	509.7	546.4	579.6	608.7	633.3
132.5°	278.4	302.1	326.2	351.7	380.4	408.2	436.6	464.2	489.2	511.3	530.1
135°	246.8	266.2	285.1	306.5	327.9	350.5	371.0	392.5	412.0	429.2	443.8
137.5°	221.9	234.3	248.2	265.3	281.7	297.7	314.5	330.0	344.0	356.1	366.2
140°	199.0	208.4	219.0	230.0	240.7	252.6	265.1	276.5	286.6	295.2	302.2
142.5°	177.2	184.2	192.3	200.1	207.6	216.0	224.0	231.3	237.8	243.2	247.5
145°	156.6	161.9	167.5	172.9	178.2	184.1	189.4	194.0	197.9	201.0	203.2
147.5°	138.7	142.1	145.3	148.1	151.5	155.3	158.6	161.4	163.6	165.1	165.9
150°	123.0	125.0	126.7	128.0	129.9	131.6	132.8	133.5	133.8	133.7	133.0
152.5°	108.8	110.3	111.3	112.2	112.9	113.4	113.4	113.1	112.4	111.4	110.0
155°	96.8	98.1	99.0	99.8	100.1	100.1	99.7	98.9	97.9	96.6	95.0
157.5°	86.9	88.0	88.9	89.7	90.1	90.3	90.1	89.8	89.2	88.3	87.6
160°	78.9	80.3	81.3	82.0	82.5	82.7	82.8	82.7	82.4	82.0	81.5
162.5°	70.3	71.7	72.9	74.0	75.0	75.8	76.5	77.1	77.6	77.9	78.3
165°	59.3	60.7	62.0	63.3	64.4	65.5	66.4	67.1	67.8	68.3	69.0
167.5°	48.7	49.6	50.4	51.2	51.8	52.4	52.9	53.2	53.5	53.6	53.9
170°	38.4	39.0	39.6	40.0	40.4	40.8	41.0	41.2	41.2	41.6	41.3
172.5°	27.8	28.3	28.7	29.1	29.4	29.7	29.8	29.9	30.0	30.3	30.0
175°	17.0	17.3	17.5	17.7	17.9	18.0	18.0	18.1	18.4	18.2	18.0
177.5°	7.2	7.3	7.3	7.4	7.4	7.4	7.6	7.5	7.4	7.3	7.2
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°	7.1	7.0
5°	17.8	17.6
7.5°	29.8	29.5
10°	41.0	40.7
12.5°	53.7	53.4
15°	68.9	68.8
17.5°	78.1	78.0
20°	80.8	80.1
22.5°	86.3	85.0
25°	93.3	91.3
27.5°	108.4	106.1
30°	132.0	129.9
32.5°	166.4	165.0
35°	204.9	204.4
37.5°	251.3	252.1
40°	308.3	310.4
42.5°	375.4	379.3
45°	457.1	463.5
47.5°	547.4	556.2
50°	655.8	667.2
52.5°	749.8	758.5
55°	817.6	818.9
57.5°	871.3	868.1
60°	912.3	909.5
62.5°	947.0	945.3
65°	980.3	981.2
67.5°	1007.5	1007.8
70°	1030.9	1033.8
72.5°	1047.0	1047.9
75°	1061.2	1061.2
77.5°	1078.2	1080.2
80°	1090.1	1092.8
82.5°	1097.8	1099.1
85°	1106.3	1107.6
87.5°	1106.6	1111.1
90°	1104.1	1109.0
92.5°	1106.6	1111.1
95°	1106.3	1107.6
97.5°	1097.8	1099.1
100°	1090.1	1092.8
102.5°	1078.2	1080.2
105°	1061.2	1061.2
107.5°	1047.0	1047.9
110°	1030.9	1033.8





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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1007.5	1007.8
115°	980.3	981.2
117.5°	947.0	945.3
120°	912.3	909.5
122.5°	871.3	868.1
125°	817.6	818.9
127.5°	749.8	758.5
130°	655.8	667.2
132.5°	547.4	556.2
135°	457.1	463.5
137.5°	375.4	379.3
140°	308.3	310.4
142.5°	251.3	252.1
145°	204.9	204.4
147.5°	166.4	165.0
150°	132.0	129.9
152.5°	108.4	106.1
155°	93.3	91.3
157.5°	86.3	85.0
160°	80.8	80.1
162.5°	78.1	78.0
165°	68.9	68.8
167.5°	53.7	53.4
170°	41.0	40.7
172.5°	29.8	29.5
175°	17.8	17.6
177.5°	7.1	7.0
180°	0.0	0.0

(END OF REPORT)