

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: P231969

Luminaire Tested: **FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

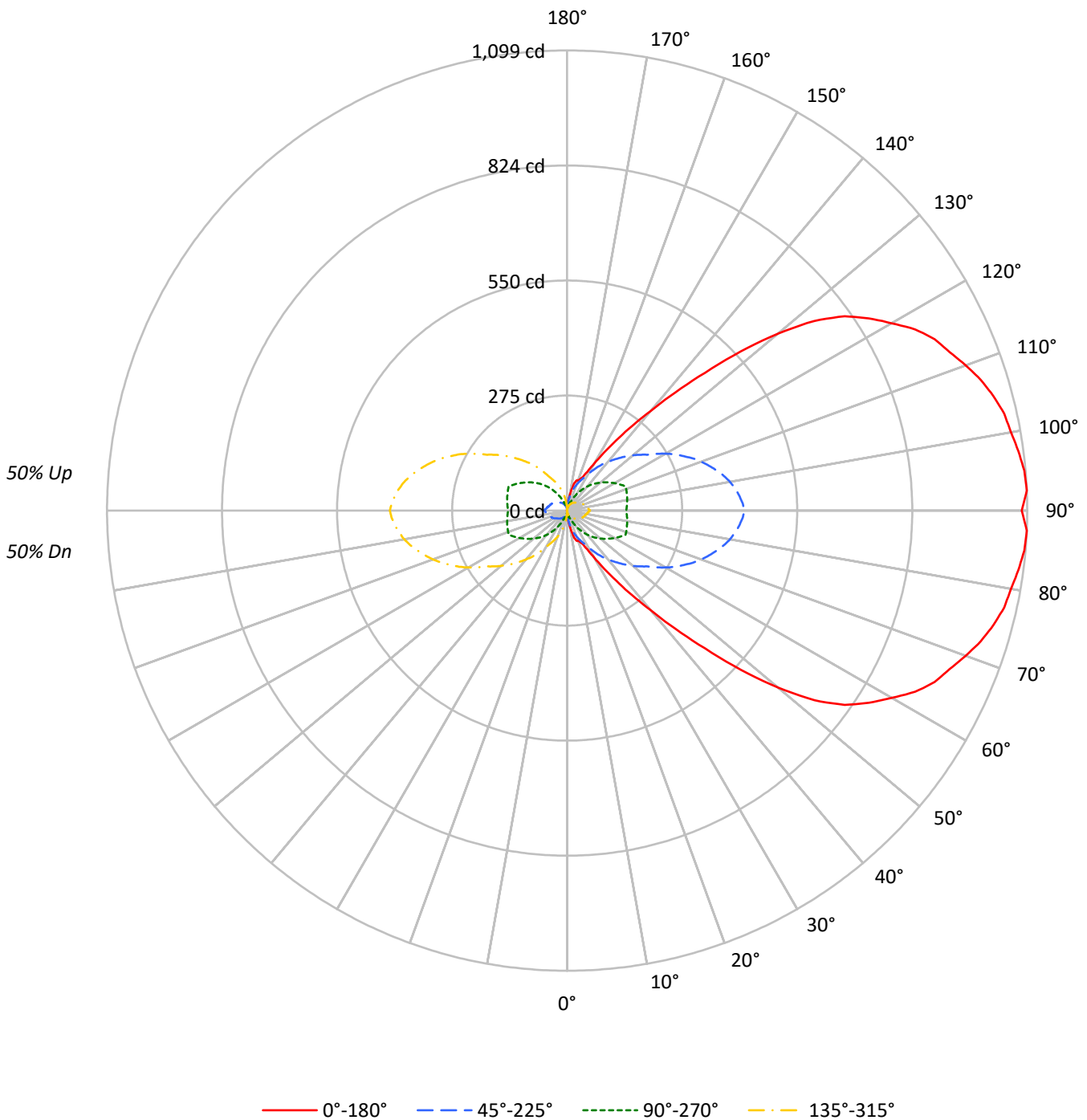
Lumens per Lamp: N/A
Luminaire Lumens: 2561.8 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 24.33 / 15.53 / 16.45
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 23.6
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





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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	53	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	59	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	30	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	12	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°	9	9	9	9
5°	229	83	0	83
10°	474	158	0	158
15°	741	235	0	235
20°	764	316	0	316
25°	828	484	0	484
30°	1156	754	0	754
35°	1741	1054	5	1054
40°	2555	1392	5	1392
45°	3736	1788	5	1788
50°	5190	2228	5	2228
55°	6319	2773	5	2773
60°	6971	3469	5	3469
65°	7586	4396	5	4396
70°	8039	5414	5	5414
75°	8542	6608	5	6608
80°	8978	8645	0	8645
85°	9495	12809	0	12809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	8.2	0.3
20°-30°	21.7	0.8
30°-40°	50.4	2.0
40°-50°	100.9	3.9
50°-60°	180.0	7.0
60°-70°	260.0	10.2
70°-80°	315.2	12.3
80°-90°	343.3	13.4
90°-100°	343.3	13.4
100°-110°	315.2	12.3
110°-120°	260.0	10.2
120°-130°	180.0	7.0
130°-140°	100.9	3.9
140°-150°	50.4	2.0
150°-160°	21.7	0.8
160°-170°	8.2	0.3
170°-180°	1.1	0.0
0°-30°	31.0	1.2
0°-40°	81.4	3.2
0°-60°	362.4	14.1
0°-90°	1280.9	50.0
90°-120°	918.5	35.9
90°-150°	1249.9	48.8
90°-180°	1281.0	50.0
0°-180°	2561.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	17	6	0	6	17	2
15°	68	15	0	15	68	19
25°	88	30	0	30	88	44
35°	204	60	1	60	204	134
45°	465	90	1	90	465	371
55°	809	117	1	117	809	716
65°	969	144	1	144	969	956
75°	1054	148	1	148	1054	1112
85°	1096	143	0	143	1096	891
90°	1086	141	0	141	1086	599
95°	1096	143	0	143	1096	891
105°	1054	148	1	148	1054	1112
115°	969	144	1	144	969	956
125°	809	117	1	117	809	716
135°	465	90	1	90	465	371
145°	204	60	1	60	204	134
155°	88	30	0	30	88	44
165°	68	15	0	15	68	19
175°	17	6	0	6	17	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.1	8.1	8.1	8.0
5°	17.3	17.5	17.7	17.9	18.1	17.8	17.8	17.8	17.7	17.6	17.5
7.5°	30.3	30.5	30.8	31.0	30.7	30.6	30.4	30.2	29.9	29.5	29.1
10°	39.9	40.2	40.5	40.8	40.5	40.5	40.4	40.2	40.0	39.6	39.2
12.5°	54.7	54.9	55.1	54.7	54.4	54.0	53.5	52.9	52.2	51.4	50.5
15°	68.4	68.5	68.6	68.0	67.5	67.0	66.3	65.4	64.5	63.4	62.3
17.5°	76.2	76.4	76.7	76.4	76.2	75.9	75.5	74.9	74.2	73.3	72.3
20°	76.2	77.0	77.8	78.5	79.2	79.7	80.1	80.3	80.4	80.3	79.9
22.5°	81.5	82.9	84.3	85.1	86.0	86.7	87.2	87.4	87.3	86.9	86.3
25°	88.1	90.2	91.9	93.5	94.9	96.0	96.8	97.3	97.5	97.3	96.7
27.5°	105.3	107.5	108.9	110.1	110.9	111.4	111.4	111.2	110.6	109.6	108.8
30°	129.7	131.6	132.3	132.8	132.8	132.3	131.3	130.0	128.2	126.2	124.7
32.5°	164.2	165.4	164.8	163.9	162.2	159.9	156.9	153.5	149.6	146.0	143.0
35°	204.1	204.4	202.4	200.0	196.7	192.5	187.6	182.1	176.0	170.5	164.9
37.5°	254.0	253.0	248.9	244.2	238.3	231.3	223.3	214.5	205.4	197.7	189.6
40°	310.0	307.8	301.7	294.8	286.3	276.4	265.2	252.8	240.6	228.9	216.9
42.5°	382.6	378.5	368.9	358.2	345.4	330.7	314.3	296.5	280.6	264.6	247.9
45°	465.3	459.2	446.1	431.8	414.7	395.2	373.4	352.5	328.5	305.9	283.7
47.5°	563.4	554.3	536.4	517.0	494.2	468.5	440.3	411.5	383.2	353.7	328.1
50°	658.0	648.5	629.1	607.5	581.1	550.3	515.1	479.5	443.6	409.0	377.7
52.5°	744.3	738.9	722.6	702.6	675.6	641.3	599.5	557.1	512.6	469.8	431.0
55°	809.2	808.5	798.5	784.9	764.7	737.5	701.2	649.5	590.9	538.2	487.6
57.5°	854.4	855.7	850.3	842.7	831.0	815.1	787.6	734.3	680.0	611.5	548.7
60°	894.8	895.8	890.9	884.7	876.0	864.9	838.7	796.4	742.3	678.6	612.2
62.5°	937.1	934.6	929.2	921.2	911.4	900.2	876.5	841.1	791.6	733.3	664.8
65°	968.6	964.7	958.3	950.2	940.8	931.4	914.2	887.1	839.4	778.5	709.3
67.5°	988.8	987.9	983.9	976.1	964.3	956.0	947.4	928.5	893.0	830.4	753.9
70°	1013.2	1010.4	1005.5	999.0	992.0	980.6	968.9	957.8	937.0	883.7	801.5
72.5°	1036.4	1032.8	1026.3	1017.4	1008.7	999.1	988.4	976.5	958.6	913.6	840.8
75°	1054.3	1050.2	1043.5	1034.1	1022.9	1012.3	1001.8	991.7	977.4	937.3	867.1
77.5°	1069.2	1065.0	1058.0	1045.4	1032.5	1020.8	1014.4	1006.0	992.2	961.9	891.9
80°	1076.3	1077.0	1069.8	1053.2	1038.4	1030.8	1022.4	1019.1	1007.0	984.8	913.2
82.5°	1087.0	1085.3	1075.5	1062.2	1050.6	1041.8	1030.5	1024.9	1016.2	993.0	933.4
85°	1095.9	1085.9	1071.9	1069.3	1061.3	1052.1	1037.9	1027.4	1020.1	998.2	947.4
87.5°	1098.9	1081.0	1082.1	1073.7	1060.6	1053.6	1040.7	1030.2	1022.9	1002.1	953.9
90°	1085.8	1081.6	1082.2	1069.7	1053.1	1051.9	1040.6	1032.9	1023.9	1002.5	951.3
92.5°	1098.9	1081.0	1082.1	1073.7	1060.6	1053.6	1040.7	1030.2	1022.9	1002.1	953.9
95°	1095.9	1085.9	1071.9	1069.3	1061.3	1052.1	1037.9	1027.4	1020.1	998.2	947.4
97.5°	1087.0	1085.3	1075.5	1062.2	1050.6	1041.8	1030.5	1024.9	1016.2	993.0	933.4
100°	1076.3	1077.0	1069.8	1053.2	1038.4	1030.8	1022.4	1019.1	1007.0	984.8	913.2
102.5°	1069.2	1065.0	1058.0	1045.4	1032.5	1020.8	1014.4	1006.0	992.2	961.9	891.9
105°	1054.3	1050.2	1043.5	1034.1	1022.9	1012.3	1001.8	991.7	977.4	937.3	867.1
107.5°	1036.4	1032.8	1026.3	1017.4	1008.7	999.1	988.4	976.5	958.6	913.6	840.8
110°	1013.2	1010.4	1005.5	999.0	992.0	980.6	968.9	957.8	937.0	883.7	801.5



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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°	988.8	987.9	983.9	976.1	964.3	956.0	947.4	928.5	893.0	830.4	753.9
115°	968.6	964.7	958.3	950.2	940.8	931.4	914.2	887.1	839.4	778.5	709.3
117.5°	937.1	934.6	929.2	921.2	911.4	900.2	876.5	841.1	791.6	733.3	664.8
120°	894.8	895.8	890.9	884.7	876.0	864.9	838.7	796.4	742.3	678.6	612.2
122.5°	854.4	855.7	850.3	842.7	831.0	815.1	787.6	734.3	680.0	611.5	548.7
125°	809.2	808.5	798.5	784.9	764.7	737.5	701.2	649.5	590.9	538.2	487.6
127.5°	744.3	738.9	722.6	702.6	675.6	641.3	599.5	557.1	512.6	469.8	431.0
130°	658.0	648.5	629.1	607.5	581.1	550.3	515.1	479.5	443.6	409.0	377.7
132.5°	563.4	554.3	536.4	517.0	494.2	468.5	440.3	411.5	383.2	353.7	328.1
135°	465.3	459.2	446.1	431.8	414.7	395.2	373.4	352.5	328.5	305.9	283.7
137.5°	382.6	378.5	368.9	358.2	345.4	330.7	314.3	296.5	280.6	264.6	247.9
140°	310.0	307.8	301.7	294.8	286.3	276.4	265.2	252.8	240.6	228.9	216.9
142.5°	254.0	253.0	248.9	244.2	238.3	231.3	223.3	214.5	205.4	197.7	189.6
145°	204.1	204.4	202.4	200.0	196.7	192.5	187.6	182.1	176.0	170.5	164.9
147.5°	164.2	165.4	164.8	163.9	162.2	159.9	156.9	153.5	149.6	146.0	143.0
150°	129.7	131.6	132.3	132.8	132.8	132.3	131.3	130.0	128.2	126.2	124.7
152.5°	105.3	107.5	108.9	110.1	110.9	111.4	111.4	111.2	110.6	109.6	108.8
155°	88.1	90.2	91.9	93.5	94.9	96.0	96.8	97.3	97.5	97.3	96.7
157.5°	81.5	82.9	84.3	85.1	86.0	86.7	87.2	87.4	87.3	86.9	86.3
160°	76.2	77.0	77.8	78.5	79.2	79.7	80.1	80.3	80.4	80.3	79.9
162.5°	76.2	76.4	76.7	76.4	76.2	75.9	75.5	74.9	74.2	73.3	72.3
165°	68.4	68.5	68.6	68.0	67.5	67.0	66.3	65.4	64.5	63.4	62.3
167.5°	54.7	54.9	55.1	54.7	54.4	54.0	53.5	52.9	52.2	51.4	50.5
170°	39.9	40.2	40.5	40.8	40.5	40.5	40.4	40.2	40.0	39.6	39.2
172.5°	30.3	30.5	30.8	31.0	30.7	30.6	30.4	30.2	29.9	29.5	29.1
175°	17.3	17.5	17.7	17.9	18.1	17.8	17.8	17.8	17.7	17.6	17.5
177.5°	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.1	8.1	8.1	8.0
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	8.0	7.9	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.0	6.8
5°	17.3	17.1	16.8	16.5	16.2	15.8	15.4	15.0	14.5	14.1	13.5
7.5°	28.6	28.1	27.5	26.8	26.1	25.3	24.5	23.6	22.7	21.9	21.1
10°	38.8	38.2	37.6	37.0	36.3	35.5	34.5	33.3	32.1	30.8	29.5
12.5°	49.4	48.4	47.2	45.9	44.7	43.7	42.7	41.5	40.3	39.0	37.7
15°	61.0	59.7	58.3	56.7	55.1	53.3	51.6	49.7	47.9	46.3	44.7
17.5°	71.2	69.9	68.3	66.4	64.5	62.6	60.5	58.4	56.2	54.0	51.8
20°	79.3	78.2	76.6	74.9	73.0	70.9	68.6	66.2	63.8	61.3	58.8
22.5°	85.5	84.9	83.9	82.6	80.9	78.7	76.2	73.5	70.7	67.9	65.1
25°	95.8	94.6	92.9	90.9	88.8	86.7	84.0	81.0	77.8	74.3	71.1
27.5°	108.0	106.7	104.8	102.5	99.9	96.7	93.6	89.7	85.7	81.4	77.4
30°	122.8	120.7	118.6	115.8	112.8	109.1	105.1	100.5	96.0	92.0	88.0
32.5°	139.9	136.4	133.4	130.3	127.0	123.1	118.5	113.7	108.8	103.8	99.3
35°	159.1	153.7	149.6	145.3	141.1	136.8	132.2	127.0	121.5	116.0	110.5
37.5°	181.3	174.1	167.2	161.3	155.7	150.3	145.1	139.8	134.1	127.9	121.9
40°	205.3	195.9	187.1	179.2	171.6	164.5	158.4	152.2	146.2	139.8	133.0
42.5°	233.5	220.9	208.8	198.8	189.6	180.4	171.9	164.9	157.9	151.1	144.1
45°	266.4	248.8	233.8	219.6	207.6	196.7	187.1	177.7	170.0	162.2	154.8
47.5°	303.8	280.4	261.0	242.6	227.3	213.7	202.1	191.8	182.0	173.5	165.2
50°	345.7	317.3	290.1	268.1	248.4	231.7	217.3	205.4	194.7	184.7	175.6
52.5°	392.4	357.2	324.0	294.9	270.6	250.1	233.0	218.9	207.4	196.1	188.3
55°	442.1	399.0	360.5	324.4	293.9	269.2	248.4	232.6	221.6	211.9	204.1
57.5°	494.0	442.9	397.2	356.3	319.2	288.6	268.6	252.2	238.0	227.1	218.6
60°	546.1	487.9	434.4	387.0	348.5	316.0	289.8	271.8	255.9	242.6	232.3
62.5°	596.2	530.3	472.9	423.1	379.0	341.4	312.3	290.7	273.9	257.6	245.5
65°	637.1	572.9	511.9	456.8	409.0	367.5	333.2	307.3	291.1	273.7	259.6
67.5°	680.4	613.0	548.6	488.8	435.8	390.2	353.1	325.2	306.4	289.9	273.2
70°	722.2	648.4	582.5	516.3	460.7	412.8	372.5	341.1	319.7	305.4	286.3
72.5°	756.9	679.3	607.8	541.4	481.7	431.5	388.6	355.5	331.8	319.2	299.3
75°	784.2	704.6	629.4	561.2	497.7	447.0	403.8	369.5	345.2	329.2	309.5
77.5°	801.0	722.4	646.3	578.6	515.5	462.6	418.8	383.4	357.5	339.3	319.7
80°	820.1	739.5	665.8	595.2	530.6	474.9	430.8	395.0	368.6	349.3	329.5
82.5°	839.1	754.2	680.2	607.2	541.6	483.8	440.0	404.6	378.4	359.1	338.8
85°	848.5	763.0	689.4	614.8	548.8	489.8	446.7	412.4	387.2	368.5	347.5
87.5°	848.8	768.7	695.8	620.1	553.9	494.1	452.0	419.1	395.5	377.7	356.0
90°	841.3	763.3	691.9	617.0	552.1	493.8	454.0	423.6	402.2	385.5	362.3
92.5°	848.8	768.7	695.8	620.1	553.9	494.1	452.0	419.1	395.5	377.7	356.0
95°	848.5	763.0	689.4	614.8	548.8	489.8	446.7	412.4	387.2	368.5	347.5
97.5°	839.1	754.2	680.2	607.2	541.6	483.8	440.0	404.6	378.4	359.1	338.8
100°	820.1	739.5	665.8	595.2	530.6	474.9	430.8	395.0	368.6	349.3	329.5
102.5°	801.0	722.4	646.3	578.6	515.5	462.6	418.8	383.4	357.5	339.3	319.7
105°	784.2	704.6	629.4	561.2	497.7	447.0	403.8	369.5	345.2	329.2	309.5
107.5°	756.9	679.3	607.8	541.4	481.7	431.5	388.6	355.5	331.8	319.2	299.3
110°	722.2	648.4	582.5	516.3	460.7	412.8	372.5	341.1	319.7	305.4	286.3



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-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°	680.4	613.0	548.6	488.8	435.8	390.2	353.1	325.2	306.4	289.9	273.2
115°	637.1	572.9	511.9	456.8	409.0	367.5	333.2	307.3	291.1	273.7	259.6
117.5°	596.2	530.3	472.9	423.1	379.0	341.4	312.3	290.7	273.9	257.6	245.5
120°	546.1	487.9	434.4	387.0	348.5	316.0	289.8	271.8	255.9	242.6	232.3
122.5°	494.0	442.9	397.2	356.3	319.2	288.6	268.6	252.2	238.0	227.1	218.6
125°	442.1	399.0	360.5	324.4	293.9	269.2	248.4	232.6	221.6	211.9	204.1
127.5°	392.4	357.2	324.0	294.9	270.6	250.1	233.0	218.9	207.4	196.1	188.3
130°	345.7	317.3	290.1	268.1	248.4	231.7	217.3	205.4	194.7	184.7	175.6
132.5°	303.8	280.4	261.0	242.6	227.3	213.7	202.1	191.8	182.0	173.5	165.2
135°	266.4	248.8	233.8	219.6	207.6	196.7	187.1	177.7	170.0	162.2	154.8
137.5°	233.5	220.9	208.8	198.8	189.6	180.4	171.9	164.9	157.9	151.1	144.1
140°	205.3	195.9	187.1	179.2	171.6	164.5	158.4	152.2	146.2	139.8	133.0
142.5°	181.3	174.1	167.2	161.3	155.7	150.3	145.1	139.8	134.1	127.9	121.9
145°	159.1	153.7	149.6	145.3	141.1	136.8	132.2	127.0	121.5	116.0	110.5
147.5°	139.9	136.4	133.4	130.3	127.0	123.1	118.5	113.7	108.8	103.8	99.3
150°	122.8	120.7	118.6	115.8	112.8	109.1	105.1	100.5	96.0	92.0	88.0
152.5°	108.0	106.7	104.8	102.5	99.9	96.7	93.6	89.7	85.7	81.4	77.4
155°	95.8	94.6	92.9	90.9	88.8	86.7	84.0	81.0	77.8	74.3	71.1
157.5°	85.5	84.9	83.9	82.6	80.9	78.7	76.2	73.5	70.7	67.9	65.1
160°	79.3	78.2	76.6	74.9	73.0	70.9	68.6	66.2	63.8	61.3	58.8
162.5°	71.2	69.9	68.3	66.4	64.5	62.6	60.5	58.4	56.2	54.0	51.8
165°	61.0	59.7	58.3	56.7	55.1	53.3	51.6	49.7	47.9	46.3	44.7
167.5°	49.4	48.4	47.2	45.9	44.7	43.7	42.7	41.5	40.3	39.0	37.7
170°	38.8	38.2	37.6	37.0	36.3	35.5	34.5	33.3	32.1	30.8	29.5
172.5°	28.6	28.1	27.5	26.8	26.1	25.3	24.5	23.6	22.7	21.9	21.1
175°	17.3	17.1	16.8	16.5	16.2	15.8	15.4	15.0	14.5	14.1	13.5
177.5°	8.0	7.9	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.0	6.8
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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	6.6	6.5	6.2	6.0	5.8	5.6	5.3	5.0	4.8	4.5	4.2
5°	13.0	12.4	11.8	11.4	10.9	10.5	10.0	9.5	8.9	8.4	7.8
7.5°	20.3	19.5	18.6	17.7	16.7	15.7	14.7	13.8	13.1	12.3	11.4
10°	28.1	26.7	25.3	24.0	22.7	21.4	20.1	18.7	17.2	16.1	15.0
12.5°	36.1	34.3	32.6	30.7	28.9	27.1	25.4	23.7	21.9	20.1	18.5
15°	43.0	41.2	39.6	37.3	35.1	32.9	30.7	28.6	26.5	24.3	22.1
17.5°	49.8	47.5	45.4	43.2	40.9	38.5	36.0	33.5	31.0	28.5	26.0
20°	56.3	53.8	51.3	48.8	46.3	43.7	41.0	38.2	35.5	32.7	29.8
22.5°	62.4	59.7	57.0	54.3	51.5	48.6	45.6	42.7	39.8	36.8	33.6
25°	67.8	64.9	62.0	59.2	57.2	54.9	52.4	49.8	47.2	44.4	41.4
27.5°	74.3	72.0	70.0	68.0	66.0	63.9	61.3	58.6	55.8	52.9	49.7
30°	84.6	81.4	78.7	76.6	74.4	72.3	70.0	67.2	64.5	61.2	58.0
32.5°	94.8	90.9	87.5	84.8	82.6	80.4	78.2	75.5	72.6	69.5	66.1
35°	105.4	100.5	96.5	93.0	90.4	88.3	86.0	83.8	80.7	77.6	74.1
37.5°	115.9	110.4	105.2	101.4	98.1	95.8	93.6	91.3	88.6	85.6	82.0
40°	126.5	120.1	114.5	109.3	105.8	103.0	101.0	98.7	96.3	93.4	89.8
42.5°	136.8	130.0	123.4	117.7	113.3	109.9	108.0	105.9	103.7	100.9	97.6
45°	147.1	139.4	132.5	126.1	120.4	117.1	114.7	113.0	110.8	108.3	105.3
47.5°	157.1	148.9	141.3	134.6	128.2	125.0	124.3	124.4	124.3	123.3	120.7
50°	166.9	158.8	153.4	149.2	145.8	143.1	141.7	141.4	141.6	141.5	138.0
52.5°	181.9	176.6	171.8	167.7	164.3	161.4	159.5	158.4	158.5	159.9	155.4
55°	197.9	193.2	189.1	185.4	182.5	179.8	177.5	175.6	174.9	177.8	173.0
57.5°	212.5	208.4	205.6	202.4	200.1	197.9	195.5	192.9	191.3	195.1	190.8
60°	225.5	222.5	220.5	218.6	217.0	215.6	213.5	210.3	208.3	212.0	208.7
62.5°	238.3	235.4	234.6	234.1	233.4	232.9	231.5	227.9	225.3	228.7	226.8
65°	250.6	247.1	247.7	248.8	249.2	249.7	249.0	245.7	242.3	245.1	245.1
67.5°	262.0	257.8	259.9	262.7	264.5	266.1	266.3	263.4	259.4	261.4	263.4
70°	273.1	268.6	271.4	275.1	276.9	277.8	277.3	274.3	270.1	269.5	268.3
72.5°	283.3	275.8	275.9	278.8	281.0	282.3	282.3	280.7	278.0	276.5	271.7
75°	291.0	281.4	279.9	282.5	285.1	286.7	287.2	286.6	285.7	284.3	275.4
77.5°	298.3	286.8	284.0	286.2	289.2	291.2	291.9	292.2	293.2	292.6	279.3
80°	305.0	292.1	288.3	290.0	293.2	295.6	296.5	297.5	300.5	301.3	283.3
82.5°	311.3	297.3	292.7	293.9	297.2	300.1	301.1	302.6	307.6	310.3	288.6
85°	317.1	302.3	297.3	297.8	301.2	304.5	305.6	307.5	314.6	320.0	291.8
87.5°	322.6	307.2	301.8	301.7	305.2	309.0	310.1	312.6	321.8	328.6	294.9
90°	327.2	311.8	306.4	305.8	309.4	313.5	314.7	317.7	329.0	337.3	298.1
92.5°	322.6	307.2	301.8	301.7	305.2	309.0	310.1	312.6	321.8	328.6	294.9
95°	317.1	302.3	297.3	297.8	301.2	304.5	305.6	307.5	314.6	320.0	291.8
97.5°	311.3	297.3	292.7	293.9	297.2	300.1	301.1	302.6	307.6	310.3	288.6
100°	305.0	292.1	288.3	290.0	293.2	295.6	296.5	297.5	300.5	301.3	283.3
102.5°	298.3	286.8	284.0	286.2	289.2	291.2	291.9	292.2	293.2	292.6	279.3
105°	291.0	281.4	279.9	282.5	285.1	286.7	287.2	286.6	285.7	284.3	275.4
107.5°	283.3	275.8	275.9	278.8	281.0	282.3	282.3	280.7	278.0	276.5	271.7
110°	273.1	268.6	271.4	275.1	276.9	277.8	277.3	274.3	270.1	269.5	268.3



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	262.0	257.8	259.9	262.7	264.5	266.1	266.3	263.4	259.4	261.4	263.4
115°	250.6	247.1	247.7	248.8	249.2	249.7	249.0	245.7	242.3	245.1	245.1
117.5°	238.3	235.4	234.6	234.1	233.4	232.9	231.5	227.9	225.3	228.7	226.8
120°	225.5	222.5	220.5	218.6	217.0	215.6	213.5	210.3	208.3	212.0	208.7
122.5°	212.5	208.4	205.6	202.4	200.1	197.9	195.5	192.9	191.3	195.1	190.8
125°	197.9	193.2	189.1	185.4	182.5	179.8	177.5	175.6	174.9	177.8	173.0
127.5°	181.9	176.6	171.8	167.7	164.3	161.4	159.5	158.4	158.5	159.9	155.4
130°	166.9	158.8	153.4	149.2	145.8	143.1	141.7	141.4	141.6	141.5	138.0
132.5°	157.1	148.9	141.3	134.6	128.2	125.0	124.3	124.4	124.3	123.3	120.7
135°	147.1	139.4	132.5	126.1	120.4	117.1	114.7	113.0	110.8	108.3	105.3
137.5°	136.8	130.0	123.4	117.7	113.3	109.9	108.0	105.9	103.7	100.9	97.6
140°	126.5	120.1	114.5	109.3	105.8	103.0	101.0	98.7	96.3	93.4	89.8
142.5°	115.9	110.4	105.2	101.4	98.1	95.8	93.6	91.3	88.6	85.6	82.0
145°	105.4	100.5	96.5	93.0	90.4	88.3	86.0	83.8	80.7	77.6	74.1
147.5°	94.8	90.9	87.5	84.8	82.6	80.4	78.2	75.5	72.6	69.5	66.1
150°	84.6	81.4	78.7	76.6	74.4	72.3	70.0	67.2	64.5	61.2	58.0
152.5°	74.3	72.0	70.0	68.0	66.0	63.9	61.3	58.6	55.8	52.9	49.7
155°	67.8	64.9	62.0	59.2	57.2	54.9	52.4	49.8	47.2	44.4	41.4
157.5°	62.4	59.7	57.0	54.3	51.5	48.6	45.6	42.7	39.8	36.8	33.6
160°	56.3	53.8	51.3	48.8	46.3	43.7	41.0	38.2	35.5	32.7	29.8
162.5°	49.8	47.5	45.4	43.2	40.9	38.5	36.0	33.5	31.0	28.5	26.0
165°	43.0	41.2	39.6	37.3	35.1	32.9	30.7	28.6	26.5	24.3	22.1
167.5°	36.1	34.3	32.6	30.7	28.9	27.1	25.4	23.7	21.9	20.1	18.5
170°	28.1	26.7	25.3	24.0	22.7	21.4	20.1	18.7	17.2	16.1	15.0
172.5°	20.3	19.5	18.6	17.7	16.7	15.7	14.7	13.8	13.1	12.3	11.4
175°	13.0	12.4	11.8	11.4	10.9	10.5	10.0	9.5	8.9	8.4	7.8
177.5°	6.6	6.5	6.2	6.0	5.8	5.6	5.3	5.0	4.8	4.5	4.2
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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	3.9	3.6	3.3	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7
5°	7.3	6.7	6.1	5.5	5.4	5.3	5.3	5.2	5.1	4.9	4.8
7.5°	10.6	9.7	8.8	7.9	7.8	7.7	7.6	7.4	7.2	7.1	6.9
10°	13.9	12.7	11.6	10.4	10.2	10.0	9.8	9.6	9.4	9.2	9.1
12.5°	17.1	15.7	14.3	12.8	12.6	12.4	12.1	11.8	11.6	11.6	11.5
15°	20.4	18.7	17.0	15.3	15.0	14.7	14.4	14.1	14.1	14.0	13.9
17.5°	23.6	21.7	19.7	17.7	17.4	17.0	16.6	16.5	16.5	16.5	16.4
20°	26.9	24.6	22.4	20.2	19.8	19.3	18.9	18.9	19.0	18.9	18.7
22.5°	30.3	27.6	25.1	22.6	22.1	21.6	21.3	21.4	21.5	21.3	21.1
25°	38.2	35.2	32.7	30.1	29.8	29.3	29.1	29.0	28.6	27.7	26.7
27.5°	46.3	42.9	40.3	37.7	37.5	37.3	37.4	37.4	36.6	35.4	33.9
30°	54.3	50.5	47.9	45.2	45.3	45.3	45.7	45.9	44.5	43.0	40.6
32.5°	62.3	58.3	55.5	52.7	53.2	53.5	54.1	54.0	52.2	49.8	46.8
35°	70.2	66.1	63.0	60.3	61.0	61.7	62.6	61.9	59.7	56.3	52.4
37.5°	78.1	73.8	70.5	67.8	68.9	70.0	71.1	69.7	67.1	62.2	57.3
40°	85.9	81.4	78.0	75.3	76.9	78.4	79.8	77.3	73.4	67.8	61.6
42.5°	93.6	89.0	85.4	82.9	84.9	86.7	88.4	84.8	79.6	73.3	65.5
45°	101.2	96.6	92.9	90.4	92.9	95.1	96.2	92.3	85.5	77.5	68.8
47.5°	115.0	108.2	101.9	97.1	97.5	98.3	97.9	93.8	86.6	78.6	70.3
50°	130.0	120.4	111.1	103.9	101.8	100.9	98.8	93.7	86.1	77.8	70.0
52.5°	145.5	133.0	120.5	110.6	106.0	103.3	99.5	93.4	85.7	77.3	70.1
55°	161.4	145.9	130.0	117.4	110.1	105.5	100.2	93.3	85.3	77.1	70.5
57.5°	177.7	159.0	139.6	124.1	114.0	107.5	100.8	93.2	85.1	77.3	71.4
60°	194.4	172.4	149.4	130.9	117.8	109.4	101.4	93.2	85.2	77.9	72.7
62.5°	211.4	186.1	159.2	137.6	121.5	111.1	101.8	93.2	85.4	78.9	74.9
65°	228.6	199.9	169.1	144.4	125.0	112.6	102.3	93.4	85.8	80.1	77.5
67.5°	246.0	213.8	179.1	151.1	128.5	114.1	102.7	93.7	86.4	81.5	80.3
70°	247.7	213.8	178.6	150.0	127.6	113.2	101.7	92.8	85.9	81.5	81.3
72.5°	248.0	213.3	178.0	148.9	126.7	112.2	100.6	91.9	85.1	80.9	80.9
75°	248.1	212.5	178.3	147.7	125.9	111.3	99.6	91.0	84.5	80.3	80.4
77.5°	248.1	211.6	177.2	146.6	125.1	110.5	98.7	90.3	83.9	79.8	79.9
80°	247.9	211.6	176.2	145.5	124.4	109.7	97.9	89.6	83.4	79.4	79.2
82.5°	248.5	209.9	175.1	144.4	123.7	109.0	97.1	89.0	83.0	78.9	78.5
85°	247.4	208.1	174.0	143.2	123.1	108.3	96.4	88.4	82.6	78.5	77.7
87.5°	246.2	206.4	173.0	142.1	122.5	107.7	95.8	87.9	82.3	78.2	77.0
90°	245.1	204.7	171.9	141.0	122.0	107.1	95.2	87.5	82.1	77.9	76.2
92.5°	246.2	206.4	173.0	142.1	122.5	107.7	95.8	87.9	82.3	78.2	77.0
95°	247.4	208.1	174.0	143.2	123.1	108.3	96.4	88.4	82.6	78.5	77.7
97.5°	248.5	209.9	175.1	144.4	123.7	109.0	97.1	89.0	83.0	78.9	78.5
100°	247.9	211.6	176.2	145.5	124.4	109.7	97.9	89.6	83.4	79.4	79.2
102.5°	248.1	211.6	177.2	146.6	125.1	110.5	98.7	90.3	83.9	79.8	79.9
105°	248.1	212.5	178.3	147.7	125.9	111.3	99.6	91.0	84.5	80.3	80.4
107.5°	248.0	213.3	178.0	148.9	126.7	112.2	100.6	91.9	85.1	80.9	80.9
110°	247.7	213.8	178.6	150.0	127.6	113.2	101.7	92.8	85.9	81.5	81.3



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-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°	246.0	213.8	179.1	151.1	128.5	114.1	102.7	93.7	86.4	81.5	80.3
115°	228.6	199.9	169.1	144.4	125.0	112.6	102.3	93.4	85.8	80.1	77.5
117.5°	211.4	186.1	159.2	137.6	121.5	111.1	101.8	93.2	85.4	78.9	74.9
120°	194.4	172.4	149.4	130.9	117.8	109.4	101.4	93.2	85.2	77.9	72.7
122.5°	177.7	159.0	139.6	124.1	114.0	107.5	100.8	93.2	85.1	77.3	71.4
125°	161.4	145.9	130.0	117.4	110.1	105.5	100.2	93.3	85.3	77.1	70.5
127.5°	145.5	133.0	120.5	110.6	106.0	103.3	99.5	93.4	85.7	77.3	70.1
130°	130.0	120.4	111.1	103.9	101.8	100.9	98.8	93.7	86.1	77.8	70.0
132.5°	115.0	108.2	101.9	97.1	97.5	98.3	97.9	93.8	86.6	78.6	70.3
135°	101.2	96.6	92.9	90.4	92.9	95.1	96.2	92.3	85.5	77.5	68.8
137.5°	93.6	89.0	85.4	82.9	84.9	86.7	88.4	84.8	79.6	73.3	65.5
140°	85.9	81.4	78.0	75.3	76.9	78.4	79.8	77.3	73.4	67.8	61.6
142.5°	78.1	73.8	70.5	67.8	68.9	70.0	71.1	69.7	67.1	62.2	57.3
145°	70.2	66.1	63.0	60.3	61.0	61.7	62.6	61.9	59.7	56.3	52.4
147.5°	62.3	58.3	55.5	52.7	53.2	53.5	54.1	54.0	52.2	49.8	46.8
150°	54.3	50.5	47.9	45.2	45.3	45.3	45.7	45.9	44.5	43.0	40.6
152.5°	46.3	42.9	40.3	37.7	37.5	37.3	37.4	37.4	36.6	35.4	33.9
155°	38.2	35.2	32.7	30.1	29.8	29.3	29.1	29.0	28.6	27.7	26.7
157.5°	30.3	27.6	25.1	22.6	22.1	21.6	21.3	21.4	21.5	21.3	21.1
160°	26.9	24.6	22.4	20.2	19.8	19.3	18.9	18.9	19.0	18.9	18.7
162.5°	23.6	21.7	19.7	17.7	17.4	17.0	16.6	16.5	16.5	16.5	16.4
165°	20.4	18.7	17.0	15.3	15.0	14.7	14.4	14.1	14.1	14.0	13.9
167.5°	17.1	15.7	14.3	12.8	12.6	12.4	12.1	11.8	11.6	11.6	11.5
170°	13.9	12.7	11.6	10.4	10.2	10.0	9.8	9.6	9.4	9.2	9.1
172.5°	10.6	9.7	8.8	7.9	7.8	7.7	7.6	7.4	7.2	7.1	6.9
175°	7.3	6.7	6.1	5.5	5.4	5.3	5.3	5.2	5.1	4.9	4.8
177.5°	3.9	3.6	3.3	3.0	3.0	3.0	2.9	2.9	2.8	2.8	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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.1	2.0	1.9
5°	4.7	4.6	4.4	4.3	4.1	4.0	3.9	3.8	3.7	3.5	3.4
7.5°	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2
10°	9.0	8.9	8.8	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9
12.5°	11.4	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.4	9.1	8.7
15°	13.8	13.6	13.3	13.1	12.8	12.5	12.1	11.7	11.3	10.9	10.4
17.5°	16.1	15.9	15.6	15.3	14.9	14.6	14.2	13.6	13.1	12.6	12.0
20°	18.5	18.2	17.9	17.5	17.1	16.6	16.0	15.4	14.8	14.1	13.5
22.5°	20.8	20.5	20.1	19.7	19.1	18.4	17.8	17.1	16.4	15.7	15.1
25°	25.5	24.3	23.0	21.7	21.0	20.3	19.5	18.8	18.2	17.5	16.9
27.5°	32.2	30.4	28.4	26.5	24.8	23.2	21.8	20.7	20.1	19.3	18.3
30°	38.3	35.6	33.0	30.7	28.5	26.7	25.1	23.7	22.3	20.9	19.8
32.5°	43.5	40.1	36.9	34.1	31.6	29.6	27.7	25.9	24.2	22.8	21.4
35°	48.1	43.9	40.2	36.9	34.3	31.8	29.6	27.5	25.9	24.2	22.5
37.5°	52.0	47.2	42.9	39.5	36.4	33.5	31.1	29.1	27.2	25.3	23.6
40°	55.4	50.0	45.4	41.5	38.0	34.9	32.5	30.3	28.2	26.3	24.8
42.5°	58.6	52.3	47.6	43.2	39.3	36.3	33.7	31.3	29.3	27.5	25.9
45°	61.3	54.7	49.3	44.6	40.6	37.6	34.8	32.4	30.4	28.7	27.1
47.5°	62.9	56.7	50.8	45.6	41.9	38.7	35.8	33.6	31.6	29.8	28.2
50°	63.0	57.8	52.9	48.3	44.2	40.0	37.1	34.8	32.8	31.1	29.4
52.5°	64.2	59.7	55.9	52.4	48.8	44.8	40.9	37.3	34.1	32.5	30.4
55°	65.9	62.6	59.8	57.1	53.8	49.7	45.5	41.6	38.2	34.8	31.7
57.5°	68.2	66.2	64.5	62.3	59.1	54.5	49.9	45.6	41.6	37.7	34.5
60°	70.9	70.4	69.6	67.7	64.2	59.2	54.1	49.3	44.6	40.3	36.7
62.5°	74.3	75.2	75.2	73.4	69.2	63.6	57.9	52.5	47.1	42.7	38.5
65°	78.3	80.4	81.2	79.4	74.1	67.9	61.5	55.3	49.6	44.6	39.9
67.5°	82.7	85.9	87.0	85.1	79.0	72.0	64.9	58.0	51.8	46.3	41.1
70°	84.9	89.1	91.4	89.9	83.6	75.9	68.0	60.4	53.9	47.8	42.1
72.5°	84.3	88.4	90.8	89.3	84.2	77.6	70.0	62.6	55.8	49.1	43.0
75°	83.5	87.7	90.3	89.1	84.9	78.6	71.3	64.1	57.2	50.4	44.3
77.5°	82.6	87.0	90.0	89.4	86.0	79.9	72.8	65.8	58.8	51.9	45.7
80°	81.5	86.2	89.8	90.0	87.5	81.6	74.6	67.7	60.6	53.6	47.1
82.5°	80.3	85.5	89.7	90.8	89.3	83.5	76.7	69.9	62.6	55.4	48.7
85°	79.0	84.6	89.6	91.8	91.4	85.6	79.1	72.4	64.9	57.5	50.5
87.5°	77.6	83.7	89.4	92.9	93.6	87.9	81.7	75.0	67.4	59.9	52.4
90°	76.2	82.7	89.2	94.0	95.8	90.4	84.5	77.9	70.2	62.5	54.7
92.5°	77.6	83.7	89.4	92.9	93.6	87.9	81.7	75.0	67.4	59.9	52.4
95°	79.0	84.6	89.6	91.8	91.4	85.6	79.1	72.4	64.9	57.5	50.5
97.5°	80.3	85.5	89.7	90.8	89.3	83.5	76.7	69.9	62.6	55.4	48.7
100°	81.5	86.2	89.8	90.0	87.5	81.6	74.6	67.7	60.6	53.6	47.1
102.5°	82.6	87.0	90.0	89.4	86.0	79.9	72.8	65.8	58.8	51.9	45.7
105°	83.5	87.7	90.3	89.1	84.9	78.6	71.3	64.1	57.2	50.4	44.3
107.5°	84.3	88.4	90.8	89.3	84.2	77.6	70.0	62.6	55.8	49.1	43.0
110°	84.9	89.1	91.4	89.9	83.6	75.9	68.0	60.4	53.9	47.8	42.1



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	82.7	85.9	87.0	85.1	79.0	72.0	64.9	58.0	51.8	46.3	41.1
115°	78.3	80.4	81.2	79.4	74.1	67.9	61.5	55.3	49.6	44.6	39.9
117.5°	74.3	75.2	75.2	73.4	69.2	63.6	57.9	52.5	47.1	42.7	38.5
120°	70.9	70.4	69.6	67.7	64.2	59.2	54.1	49.3	44.6	40.3	36.7
122.5°	68.2	66.2	64.5	62.3	59.1	54.5	49.9	45.6	41.6	37.7	34.5
125°	65.9	62.6	59.8	57.1	53.8	49.7	45.5	41.6	38.2	34.8	31.7
127.5°	64.2	59.7	55.9	52.4	48.8	44.8	40.9	37.3	34.1	32.5	30.4
130°	63.0	57.8	52.9	48.3	44.2	40.0	37.1	34.8	32.8	31.1	29.4
132.5°	62.9	56.7	50.8	45.6	41.9	38.7	35.8	33.6	31.6	29.8	28.2
135°	61.3	54.7	49.3	44.6	40.6	37.6	34.8	32.4	30.4	28.7	27.1
137.5°	58.6	52.3	47.6	43.2	39.3	36.3	33.7	31.3	29.3	27.5	25.9
140°	55.4	50.0	45.4	41.5	38.0	34.9	32.5	30.3	28.2	26.3	24.8
142.5°	52.0	47.2	42.9	39.5	36.4	33.5	31.1	29.1	27.2	25.3	23.6
145°	48.1	43.9	40.2	36.9	34.3	31.8	29.6	27.5	25.9	24.2	22.5
147.5°	43.5	40.1	36.9	34.1	31.6	29.6	27.7	25.9	24.2	22.8	21.4
150°	38.3	35.6	33.0	30.7	28.5	26.7	25.1	23.7	22.3	20.9	19.8
152.5°	32.2	30.4	28.4	26.5	24.8	23.2	21.8	20.7	20.1	19.3	18.3
155°	25.5	24.3	23.0	21.7	21.0	20.3	19.5	18.8	18.2	17.5	16.9
157.5°	20.8	20.5	20.1	19.7	19.1	18.4	17.8	17.1	16.4	15.7	15.1
160°	18.5	18.2	17.9	17.5	17.1	16.6	16.0	15.4	14.8	14.1	13.5
162.5°	16.1	15.9	15.6	15.3	14.9	14.6	14.2	13.6	13.1	12.6	12.0
165°	13.8	13.6	13.3	13.1	12.8	12.5	12.1	11.7	11.3	10.9	10.4
167.5°	11.4	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.4	9.1	8.7
170°	9.0	8.9	8.8	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9
172.5°	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2
175°	4.7	4.6	4.4	4.3	4.1	4.0	3.9	3.8	3.7	3.5	3.4
177.5°	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.1	2.0	1.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.7
5°	3.3	3.1	2.9	2.8	2.6	2.4	2.2	2.1	1.9	1.7	1.5
7.5°	5.0	4.7	4.5	4.2	4.0	3.7	3.4	3.1	2.8	2.5	2.2
10°	6.6	6.3	6.0	5.6	5.3	4.9	4.6	4.2	3.8	3.4	3.0
12.5°	8.3	7.9	7.5	7.1	6.6	6.1	5.6	5.2	4.7	4.2	3.7
15°	9.9	9.4	8.9	8.3	7.8	7.2	6.7	6.1	5.5	4.9	4.3
17.5°	11.4	10.8	10.2	9.6	8.9	8.3	7.7	7.0	6.4	5.7	5.0
20°	12.8	12.2	11.5	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
22.5°	14.5	13.8	13.1	12.2	11.4	10.6	9.7	8.9	8.0	7.1	6.3
25°	16.0	15.2	14.3	13.4	12.5	11.6	10.6	9.7	8.7	7.7	6.7
27.5°	17.4	16.5	15.5	14.5	13.5	12.4	11.3	10.2	9.2	8.2	7.2
30°	18.8	17.7	16.5	15.3	14.1	13.1	12.0	10.9	9.9	8.8	7.7
32.5°	20.0	18.5	17.3	16.2	15.1	13.9	12.8	11.7	10.6	9.4	8.3
35°	20.9	19.6	18.4	17.2	16.0	14.9	13.6	12.3	11.1	9.9	8.7
37.5°	22.2	20.8	19.5	18.3	16.8	15.4	14.0	12.8	11.6	10.4	9.1
40°	23.3	21.9	20.5	18.9	17.4	16.0	14.7	13.3	11.8	10.5	9.2
42.5°	24.4	22.9	21.2	19.7	18.2	16.6	14.9	13.4	12.1	10.8	9.6
45°	25.4	23.8	22.2	20.5	18.8	17.1	15.5	14.0	12.6	11.3	9.9
47.5°	26.5	24.7	23.0	21.3	19.5	17.9	16.2	14.6	13.0	11.4	9.8
50°	27.5	25.7	23.9	22.1	20.3	18.5	16.8	14.9	13.1	11.5	10.1
52.5°	28.5	26.7	24.8	22.9	21.0	19.0	17.0	15.2	13.5	11.9	10.4
55°	29.7	27.7	25.6	23.6	21.5	19.4	17.5	15.7	13.9	12.3	10.7
57.5°	31.5	28.7	26.4	24.1	22.0	19.9	17.9	16.0	14.1	12.4	10.7
60°	33.2	30.0	27.2	24.8	22.5	20.3	18.2	16.1	14.1	12.2	10.5
62.5°	34.6	31.1	28.1	25.4	23.0	20.7	18.2	16.0	14.1	12.1	10.3
65°	35.6	32.0	28.8	25.9	23.2	20.5	18.2	16.1	13.8	11.8	10.0
67.5°	36.5	32.8	29.3	26.2	23.2	20.5	18.2	15.6	13.5	11.4	9.3
70°	37.4	33.4	29.7	26.3	23.2	20.4	17.5	15.1	13.1	10.8	8.8
72.5°	38.3	34.0	30.1	26.5	23.2	20.1	16.9	14.6	12.2	10.1	8.3
75°	39.2	34.7	30.4	26.7	23.2	19.5	16.5	13.9	11.4	9.3	7.6
77.5°	40.3	35.3	30.7	26.9	23.1	19.1	16.2	13.3	10.7	8.5	6.7
80°	41.4	35.9	31.0	26.7	22.4	18.6	15.7	12.8	10.1	7.8	5.8
82.5°	42.7	36.6	31.3	26.6	22.0	18.1	14.9	12.0	9.6	7.2	5.0
85°	44.1	37.5	31.8	26.6	21.7	17.6	14.3	11.5	9.3	7.1	4.8
87.5°	45.7	38.5	32.4	26.9	21.7	17.3	13.8	11.3	9.3	7.2	5.2
90°	47.6	39.9	33.3	27.4	22.0	17.3	13.7	11.3	9.5	7.7	5.9
92.5°	45.7	38.5	32.4	26.9	21.7	17.3	13.8	11.3	9.3	7.2	5.2
95°	44.1	37.5	31.8	26.6	21.7	17.6	14.3	11.5	9.3	7.1	4.8
97.5°	42.7	36.6	31.3	26.6	22.0	18.1	14.9	12.0	9.6	7.2	5.0
100°	41.4	35.9	31.0	26.7	22.4	18.6	15.7	12.8	10.1	7.8	5.8
102.5°	40.3	35.3	30.7	26.9	23.1	19.1	16.2	13.3	10.7	8.5	6.7
105°	39.2	34.7	30.4	26.7	23.2	19.5	16.5	13.9	11.4	9.3	7.6
107.5°	38.3	34.0	30.1	26.5	23.2	20.1	16.9	14.6	12.2	10.1	8.3
110°	37.4	33.4	29.7	26.3	23.2	20.4	17.5	15.1	13.1	10.8	8.8



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-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°	36.5	32.8	29.3	26.2	23.2	20.5	18.2	15.6	13.5	11.4	9.3
115°	35.6	32.0	28.8	25.9	23.2	20.5	18.2	16.1	13.8	11.8	10.0
117.5°	34.6	31.1	28.1	25.4	23.0	20.7	18.2	16.0	14.1	12.1	10.3
120°	33.2	30.0	27.2	24.8	22.5	20.3	18.2	16.1	14.1	12.2	10.5
122.5°	31.5	28.7	26.4	24.1	22.0	19.9	17.9	16.0	14.1	12.4	10.7
125°	29.7	27.7	25.6	23.6	21.5	19.4	17.5	15.7	13.9	12.3	10.7
127.5°	28.5	26.7	24.8	22.9	21.0	19.0	17.0	15.2	13.5	11.9	10.4
130°	27.5	25.7	23.9	22.1	20.3	18.5	16.8	14.9	13.1	11.5	10.1
132.5°	26.5	24.7	23.0	21.3	19.5	17.9	16.2	14.6	13.0	11.4	9.8
135°	25.4	23.8	22.2	20.5	18.8	17.1	15.5	14.0	12.6	11.3	9.9
137.5°	24.4	22.9	21.2	19.7	18.2	16.6	14.9	13.4	12.1	10.8	9.6
140°	23.3	21.9	20.5	18.9	17.4	16.0	14.7	13.3	11.8	10.5	9.2
142.5°	22.2	20.8	19.5	18.3	16.8	15.4	14.0	12.8	11.6	10.4	9.1
145°	20.9	19.6	18.4	17.2	16.0	14.9	13.6	12.3	11.1	9.9	8.7
147.5°	20.0	18.5	17.3	16.2	15.1	13.9	12.8	11.7	10.6	9.4	8.3
150°	18.8	17.7	16.5	15.3	14.1	13.1	12.0	10.9	9.9	8.8	7.7
152.5°	17.4	16.5	15.5	14.5	13.5	12.4	11.3	10.2	9.2	8.2	7.2
155°	16.0	15.2	14.3	13.4	12.5	11.6	10.6	9.7	8.7	7.7	6.7
157.5°	14.5	13.8	13.1	12.2	11.4	10.6	9.7	8.9	8.0	7.1	6.3
160°	12.8	12.2	11.5	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
162.5°	11.4	10.8	10.2	9.6	8.9	8.3	7.7	7.0	6.4	5.7	5.0
165°	9.9	9.4	8.9	8.3	7.8	7.2	6.7	6.1	5.5	4.9	4.3
167.5°	8.3	7.9	7.5	7.1	6.6	6.1	5.6	5.2	4.7	4.2	3.7
170°	6.6	6.3	6.0	5.6	5.3	4.9	4.6	4.2	3.8	3.4	3.0
172.5°	5.0	4.7	4.5	4.2	4.0	3.7	3.4	3.1	2.8	2.5	2.2
175°	3.3	3.1	2.9	2.8	2.6	2.4	2.2	2.1	1.9	1.7	1.5
177.5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	1.3	1.1	0.9	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.9
7.5°	1.9	1.6	1.3	1.0	0.6	0.3	0.0	0.3	0.6	1.0	1.3
10°	2.6	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
12.5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
15°	3.7	3.1	2.5	1.9	1.2	0.6	0.0	0.6	1.2	1.9	2.5
17.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0	0.7	1.5	2.2	2.9
20°	4.9	4.1	3.3	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.3
22.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
25°	5.8	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
27.5°	6.2	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
30°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
32.5°	7.1	6.0	4.9	3.8	2.8	1.7	0.6	1.7	2.8	3.8	4.9
35°	7.6	6.4	5.2	4.1	2.9	1.8	0.6	1.8	2.9	4.1	5.2
37.5°	7.8	6.5	5.3	4.1	2.9	1.8	0.6	1.8	2.9	4.1	5.3
40°	7.9	6.7	5.5	4.3	3.0	1.8	0.6	1.8	3.0	4.3	5.5
42.5°	8.3	7.0	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4	5.7
45°	8.5	7.1	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4	5.7
47.5°	8.5	7.1	5.8	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.8
50°	8.7	7.3	6.0	4.6	3.3	1.9	0.6	1.9	3.3	4.6	6.0
52.5°	9.0	7.5	6.1	4.7	3.4	2.0	0.6	2.0	3.4	4.7	6.1
55°	9.2	7.6	6.1	4.7	3.3	1.9	0.6	1.9	3.3	4.7	6.1
57.5°	9.0	7.4	6.0	4.7	3.3	1.9	0.6	1.9	3.3	4.7	6.0
60°	9.0	7.5	6.0	4.5	3.1	1.9	0.6	1.9	3.1	4.5	6.0
62.5°	8.7	7.1	5.6	4.2	2.9	1.7	0.6	1.7	2.9	4.2	5.6
65°	8.2	6.6	5.1	3.8	2.7	1.6	0.6	1.6	2.7	3.8	5.1
67.5°	7.5	6.0	4.7	3.6	2.6	1.6	0.6	1.6	2.6	3.6	4.7
70°	7.1	5.7	4.5	3.5	2.5	1.5	0.6	1.5	2.5	3.5	4.5
72.5°	6.6	5.2	4.1	3.1	2.1	1.3	0.6	1.3	2.1	3.1	4.1
75°	6.0	4.6	3.5	2.5	1.7	1.1	0.6	1.1	1.7	2.5	3.5
77.5°	5.2	4.2	3.0	1.8	0.7	0.1	0.0	0.1	0.7	1.8	3.0
80°	4.2	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
82.5°	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.2	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
102.5°	5.2	4.2	3.0	1.8	0.7	0.1	0.0	0.1	0.7	1.8	3.0
105°	6.0	4.6	3.5	2.5	1.7	1.1	0.6	1.1	1.7	2.5	3.5
107.5°	6.6	5.2	4.1	3.1	2.1	1.3	0.6	1.3	2.1	3.1	4.1
110°	7.1	5.7	4.5	3.5	2.5	1.5	0.6	1.5	2.5	3.5	4.5



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	7.5	6.0	4.7	3.6	2.6	1.6	0.6	1.6	2.6	3.6	4.7
115°	8.2	6.6	5.1	3.8	2.7	1.6	0.6	1.6	2.7	3.8	5.1
117.5°	8.7	7.1	5.6	4.2	2.9	1.7	0.6	1.7	2.9	4.2	5.6
120°	9.0	7.5	6.0	4.5	3.1	1.9	0.6	1.9	3.1	4.5	6.0
122.5°	9.0	7.4	6.0	4.7	3.3	1.9	0.6	1.9	3.3	4.7	6.0
125°	9.2	7.6	6.1	4.7	3.3	1.9	0.6	1.9	3.3	4.7	6.1
127.5°	9.0	7.5	6.1	4.7	3.4	2.0	0.6	2.0	3.4	4.7	6.1
130°	8.7	7.3	6.0	4.6	3.3	1.9	0.6	1.9	3.3	4.6	6.0
132.5°	8.5	7.1	5.8	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.8
135°	8.5	7.1	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4	5.7
137.5°	8.3	7.0	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4	5.7
140°	7.9	6.7	5.5	4.3	3.0	1.8	0.6	1.8	3.0	4.3	5.5
142.5°	7.8	6.5	5.3	4.1	2.9	1.8	0.6	1.8	2.9	4.1	5.3
145°	7.6	6.4	5.2	4.1	2.9	1.8	0.6	1.8	2.9	4.1	5.2
147.5°	7.1	6.0	4.9	3.8	2.8	1.7	0.6	1.7	2.8	3.8	4.9
150°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
152.5°	6.2	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
155°	5.8	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
157.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
160°	4.9	4.1	3.3	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.3
162.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0	0.7	1.5	2.2	2.9
165°	3.7	3.1	2.5	1.9	1.2	0.6	0.0	0.6	1.2	1.9	2.5
167.5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
170°	2.6	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
172.5°	1.9	1.6	1.3	1.0	0.6	0.3	0.0	0.3	0.6	1.0	1.3
175°	1.3	1.1	0.9	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.9
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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
5°	1.1	1.3	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.8	2.9
7.5°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.2	4.5
10°	2.1	2.6	3.0	3.4	3.8	4.2	4.6	4.9	5.3	5.6	6.0
12.5°	2.6	3.1	3.7	4.2	4.7	5.2	5.6	6.1	6.6	7.1	7.5
15°	3.1	3.7	4.3	4.9	5.5	6.1	6.7	7.2	7.8	8.3	8.9
17.5°	3.6	4.3	5.0	5.7	6.4	7.0	7.7	8.3	8.9	9.6	10.2
20°	4.1	4.9	5.7	6.5	7.3	8.0	8.8	9.5	10.2	10.9	11.5
22.5°	4.5	5.4	6.3	7.1	8.0	8.9	9.7	10.6	11.4	12.2	13.1
25°	4.8	5.8	6.7	7.7	8.7	9.7	10.6	11.6	12.5	13.4	14.3
27.5°	5.1	6.2	7.2	8.2	9.2	10.2	11.3	12.4	13.5	14.5	15.5
30°	5.5	6.6	7.7	8.8	9.9	10.9	12.0	13.1	14.1	15.3	16.5
32.5°	6.0	7.1	8.3	9.4	10.6	11.7	12.8	13.9	15.1	16.2	17.3
35°	6.4	7.6	8.7	9.9	11.1	12.3	13.6	14.9	16.0	17.2	18.4
37.5°	6.5	7.8	9.1	10.4	11.6	12.8	14.0	15.4	16.8	18.3	19.5
40°	6.7	7.9	9.2	10.5	11.8	13.3	14.7	16.0	17.4	18.9	20.5
42.5°	7.0	8.3	9.6	10.8	12.1	13.4	14.9	16.6	18.2	19.7	21.2
45°	7.1	8.5	9.9	11.3	12.6	14.0	15.5	17.1	18.8	20.5	22.2
47.5°	7.1	8.5	9.8	11.4	13.0	14.6	16.2	17.9	19.5	21.3	23.0
50°	7.3	8.7	10.1	11.5	13.1	14.9	16.8	18.5	20.3	22.1	23.9
52.5°	7.5	9.0	10.4	11.9	13.5	15.2	17.0	19.0	21.0	22.9	24.8
55°	7.6	9.2	10.7	12.3	13.9	15.7	17.5	19.4	21.5	23.6	25.6
57.5°	7.4	9.0	10.7	12.4	14.1	16.0	17.9	19.9	22.0	24.1	26.4
60°	7.5	9.0	10.5	12.2	14.1	16.1	18.2	20.3	22.5	24.8	27.2
62.5°	7.1	8.7	10.3	12.1	14.1	16.0	18.2	20.7	23.0	25.4	28.1
65°	6.6	8.2	10.0	11.8	13.8	16.1	18.2	20.5	23.2	25.9	28.8
67.5°	6.0	7.5	9.3	11.4	13.5	15.6	18.2	20.5	23.2	26.2	29.3
70°	5.7	7.1	8.8	10.8	13.1	15.1	17.5	20.4	23.2	26.3	29.7
72.5°	5.2	6.6	8.3	10.1	12.2	14.6	16.9	20.1	23.2	26.5	30.1
75°	4.6	6.0	7.6	9.3	11.4	13.9	16.5	19.5	23.2	26.7	30.4
77.5°	4.2	5.2	6.7	8.5	10.7	13.3	16.2	19.1	23.1	26.9	30.7
80°	3.2	4.2	5.8	7.8	10.1	12.8	15.7	18.6	22.4	26.7	31.0
82.5°	1.9	3.2	5.0	7.2	9.6	12.0	14.9	18.1	22.0	26.6	31.3
85°	0.7	2.7	4.8	7.1	9.3	11.5	14.3	17.6	21.7	26.6	31.8
87.5°	0.3	3.0	5.2	7.2	9.3	11.3	13.8	17.3	21.7	26.9	32.4
90°	0.0	3.6	5.9	7.7	9.5	11.3	13.7	17.3	22.0	27.4	33.3
92.5°	0.3	3.0	5.2	7.2	9.3	11.3	13.8	17.3	21.7	26.9	32.4
95°	0.7	2.7	4.8	7.1	9.3	11.5	14.3	17.6	21.7	26.6	31.8
97.5°	1.9	3.2	5.0	7.2	9.6	12.0	14.9	18.1	22.0	26.6	31.3
100°	3.2	4.2	5.8	7.8	10.1	12.8	15.7	18.6	22.4	26.7	31.0
102.5°	4.2	5.2	6.7	8.5	10.7	13.3	16.2	19.0	23.1	26.9	30.7
105°	4.6	6.0	7.6	9.3	11.4	13.9	16.5	19.5	23.2	26.7	30.4
107.5°	5.2	6.6	8.3	10.1	12.2	14.6	16.9	20.1	23.2	26.5	30.1
110°	5.7	7.1	8.8	10.8	13.1	15.1	17.5	20.4	23.2	26.3	29.7



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-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°	6.0	7.5	9.3	11.4	13.5	15.6	18.2	20.5	23.2	26.2	29.3
115°	6.6	8.2	10.0	11.8	13.8	16.1	18.2	20.5	23.2	25.9	28.8
117.5°	7.1	8.7	10.3	12.1	14.1	16.0	18.2	20.7	23.0	25.4	28.1
120°	7.5	9.0	10.5	12.2	14.1	16.1	18.2	20.3	22.5	24.8	27.2
122.5°	7.4	9.0	10.7	12.4	14.1	16.0	17.9	19.9	22.0	24.1	26.4
125°	7.6	9.2	10.7	12.3	13.9	15.7	17.5	19.4	21.5	23.6	25.6
127.5°	7.5	9.0	10.4	11.9	13.5	15.2	17.0	19.0	21.0	22.9	24.8
130°	7.3	8.7	10.1	11.5	13.1	14.9	16.8	18.5	20.3	22.1	23.9
132.5°	7.1	8.5	9.8	11.4	13.0	14.6	16.2	17.9	19.5	21.3	23.0
135°	7.1	8.5	9.9	11.3	12.6	14.0	15.5	17.1	18.8	20.5	22.2
137.5°	7.0	8.3	9.6	10.8	12.1	13.4	14.9	16.6	18.2	19.7	21.2
140°	6.7	7.9	9.2	10.5	11.8	13.3	14.7	16.0	17.4	18.9	20.5
142.5°	6.5	7.8	9.1	10.4	11.6	12.8	14.0	15.4	16.8	18.3	19.5
145°	6.4	7.6	8.7	9.9	11.1	12.3	13.6	14.9	16.0	17.2	18.4
147.5°	6.0	7.1	8.3	9.4	10.6	11.7	12.8	13.9	15.1	16.2	17.3
150°	5.5	6.6	7.7	8.8	9.9	10.9	12.0	13.1	14.1	15.3	16.5
152.5°	5.1	6.2	7.2	8.2	9.2	10.2	11.3	12.4	13.5	14.5	15.5
155°	4.8	5.8	6.7	7.7	8.7	9.7	10.6	11.6	12.5	13.4	14.3
157.5°	4.5	5.4	6.3	7.1	8.0	8.9	9.7	10.6	11.4	12.2	13.1
160°	4.1	4.9	5.7	6.5	7.3	8.0	8.8	9.5	10.2	10.9	11.5
162.5°	3.6	4.3	5.0	5.7	6.4	7.0	7.7	8.3	8.9	9.6	10.2
165°	3.1	3.7	4.3	4.9	5.5	6.1	6.7	7.2	7.8	8.3	8.9
167.5°	2.6	3.1	3.7	4.2	4.7	5.2	5.6	6.1	6.6	7.1	7.5
170°	2.1	2.6	3.0	3.4	3.8	4.2	4.6	4.9	5.3	5.6	6.0
172.5°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.2	4.5
175°	1.1	1.3	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.8	2.9
177.5°	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.5
5°	3.1	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3	4.4
7.5°	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4	6.5
10°	6.3	6.6	6.9	7.2	7.5	7.8	8.0	8.3	8.5	8.7	8.8
12.5°	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.4	10.6	10.9	11.1
15°	9.4	9.9	10.4	10.9	11.3	11.7	12.1	12.5	12.8	13.1	13.3
17.5°	10.8	11.4	12.0	12.6	13.1	13.6	14.2	14.6	14.9	15.3	15.6
20°	12.2	12.8	13.5	14.1	14.8	15.4	16.0	16.6	17.1	17.5	17.9
22.5°	13.8	14.5	15.1	15.7	16.4	17.1	17.8	18.4	19.1	19.7	20.1
25°	15.2	16.0	16.9	17.5	18.2	18.8	19.5	20.3	21.0	21.7	23.0
27.5°	16.5	17.4	18.3	19.3	20.1	20.7	21.8	23.2	24.8	26.5	28.4
30°	17.7	18.8	19.8	20.9	22.3	23.7	25.1	26.7	28.5	30.7	33.0
32.5°	18.5	20.0	21.4	22.8	24.2	25.9	27.7	29.6	31.6	34.1	36.9
35°	19.6	20.9	22.5	24.2	25.9	27.5	29.6	31.8	34.3	36.9	40.2
37.5°	20.8	22.2	23.6	25.3	27.2	29.1	31.1	33.5	36.4	39.5	42.9
40°	21.9	23.3	24.8	26.3	28.2	30.3	32.5	34.9	38.0	41.5	45.4
42.5°	22.9	24.4	25.9	27.5	29.3	31.3	33.7	36.3	39.3	43.2	47.6
45°	23.8	25.4	27.1	28.7	30.4	32.4	34.8	37.6	40.6	44.6	49.3
47.5°	24.7	26.5	28.2	29.8	31.6	33.6	35.8	38.7	41.9	45.6	50.8
50°	25.7	27.5	29.4	31.1	32.8	34.8	37.1	40.0	44.2	48.3	52.9
52.5°	26.7	28.5	30.4	32.5	34.1	37.3	40.9	44.8	48.8	52.4	55.9
55°	27.7	29.7	31.7	34.8	38.2	41.6	45.5	49.7	53.8	57.1	59.8
57.5°	28.7	31.5	34.5	37.7	41.6	45.6	49.9	54.5	59.1	62.3	64.5
60°	30.0	33.2	36.7	40.3	44.6	49.3	54.1	59.2	64.2	67.7	69.6
62.5°	31.1	34.6	38.5	42.7	47.1	52.5	57.9	63.6	69.2	73.4	75.2
65°	32.0	35.6	39.9	44.6	49.6	55.3	61.5	67.9	74.1	79.4	81.2
67.5°	32.8	36.5	41.1	46.3	51.8	58.0	64.9	72.0	79.0	85.1	87.0
70°	33.4	37.4	42.1	47.8	53.9	60.4	68.0	75.9	83.6	89.9	91.4
72.5°	34.0	38.3	43.0	49.1	55.8	62.6	70.0	77.6	84.2	89.3	90.8
75°	34.7	39.2	44.3	50.4	57.2	64.1	71.3	78.6	84.9	89.1	90.3
77.5°	35.3	40.3	45.7	51.9	58.8	65.8	72.8	79.9	86.0	89.4	90.0
80°	35.9	41.4	47.1	53.6	60.6	67.7	74.6	81.6	87.5	90.0	89.8
82.5°	36.6	42.7	48.7	55.4	62.6	69.9	76.7	83.5	89.3	90.8	89.7
85°	37.5	44.1	50.5	57.5	64.9	72.4	79.1	85.6	91.4	91.8	89.6
87.5°	38.5	45.7	52.4	59.9	67.4	75.0	81.7	87.9	93.6	92.9	89.4
90°	39.9	47.6	54.7	62.5	70.2	77.9	84.5	90.4	95.8	94.0	89.2
92.5°	38.5	45.7	52.4	59.9	67.4	75.0	81.7	87.9	93.6	92.9	89.4
95°	37.5	44.1	50.5	57.5	64.9	72.4	79.1	85.6	91.4	91.8	89.6
97.5°	36.6	42.7	48.7	55.4	62.6	69.9	76.7	83.5	89.3	90.8	89.7
100°	35.9	41.4	47.1	53.6	60.6	67.7	74.6	81.6	87.5	90.0	89.8
102.5°	35.3	40.3	45.7	51.9	58.8	65.8	72.8	79.9	86.0	89.4	90.0
105°	34.7	39.2	44.3	50.4	57.2	64.1	71.3	78.6	84.9	89.1	90.3
107.5°	34.0	38.3	43.0	49.1	55.8	62.6	70.0	77.6	84.2	89.3	90.8
110°	33.4	37.4	42.1	47.8	53.9	60.4	68.0	75.9	83.6	89.9	91.4



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	32.8	36.5	41.1	46.3	51.8	58.0	64.9	72.0	79.0	85.1	87.0
115°	32.0	35.6	39.9	44.6	49.6	55.3	61.5	67.9	74.1	79.4	81.2
117.5°	31.1	34.6	38.5	42.7	47.1	52.5	57.9	63.6	69.2	73.4	75.2
120°	30.0	33.2	36.7	40.3	44.6	49.3	54.1	59.2	64.2	67.7	69.6
122.5°	28.7	31.5	34.5	37.7	41.6	45.6	49.9	54.5	59.1	62.3	64.5
125°	27.7	29.7	31.7	34.8	38.2	41.6	45.5	49.7	53.8	57.1	59.8
127.5°	26.7	28.5	30.4	32.5	34.1	37.3	40.9	44.8	48.8	52.4	55.9
130°	25.7	27.5	29.4	31.1	32.8	34.8	37.1	40.0	44.2	48.3	52.9
132.5°	24.7	26.5	28.2	29.8	31.6	33.6	35.8	38.7	41.9	45.6	50.8
135°	23.8	25.4	27.1	28.7	30.4	32.4	34.8	37.6	40.6	44.6	49.3
137.5°	22.9	24.4	25.9	27.5	29.3	31.3	33.7	36.3	39.3	43.2	47.6
140°	21.9	23.3	24.8	26.3	28.2	30.3	32.5	34.9	38.0	41.5	45.4
142.5°	20.8	22.2	23.6	25.3	27.2	29.1	31.1	33.5	36.4	39.5	42.9
145°	19.6	20.9	22.5	24.2	25.9	27.5	29.6	31.8	34.3	36.9	40.2
147.5°	18.5	20.0	21.4	22.8	24.2	25.9	27.7	29.6	31.6	34.1	36.9
150°	17.7	18.8	19.8	20.9	22.3	23.7	25.1	26.7	28.5	30.7	33.0
152.5°	16.5	17.4	18.3	19.3	20.1	20.7	21.8	23.2	24.8	26.5	28.4
155°	15.2	16.0	16.9	17.5	18.2	18.8	19.5	20.3	21.0	21.7	23.0
157.5°	13.8	14.5	15.1	15.7	16.4	17.1	17.8	18.4	19.1	19.7	20.1
160°	12.2	12.8	13.5	14.1	14.8	15.4	16.0	16.6	17.1	17.5	17.9
162.5°	10.8	11.4	12.0	12.6	13.1	13.6	14.2	14.6	14.9	15.3	15.6
165°	9.4	9.9	10.4	10.9	11.3	11.7	12.1	12.5	12.8	13.1	13.3
167.5°	7.9	8.3	8.7	9.1	9.4	9.8	10.1	10.4	10.6	10.9	11.1
170°	6.3	6.6	6.9	7.2	7.5	7.8	8.0	8.3	8.5	8.7	8.8
172.5°	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4	6.5
175°	3.1	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3	4.4
177.5°	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.5
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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.3
5°	4.6	4.7	4.8	4.9	5.1	5.2	5.3	5.3	5.4	5.5	6.1
7.5°	6.6	6.7	6.9	7.1	7.2	7.4	7.6	7.7	7.8	7.9	8.8
10°	8.9	9.0	9.1	9.2	9.4	9.6	9.8	10.0	10.2	10.4	11.6
12.5°	11.3	11.4	11.5	11.6	11.6	11.8	12.1	12.4	12.6	12.8	14.3
15°	13.6	13.8	13.9	14.0	14.1	14.1	14.4	14.7	15.0	15.3	17.0
17.5°	15.9	16.1	16.4	16.5	16.5	16.5	16.6	17.0	17.4	17.7	19.7
20°	18.2	18.5	18.7	18.9	19.0	18.9	18.9	19.3	19.8	20.2	22.4
22.5°	20.5	20.8	21.1	21.3	21.5	21.4	21.3	21.6	22.1	22.6	25.1
25°	24.3	25.5	26.7	27.7	28.6	29.0	29.1	29.3	29.8	30.1	32.7
27.5°	30.4	32.2	33.9	35.4	36.6	37.4	37.4	37.3	37.5	37.7	40.3
30°	35.6	38.3	40.6	43.0	44.5	45.9	45.7	45.3	45.3	45.2	47.9
32.5°	40.1	43.5	46.8	49.8	52.2	54.0	54.1	53.5	53.2	52.7	55.5
35°	43.9	48.1	52.4	56.3	59.7	61.9	62.6	61.7	61.0	60.3	63.0
37.5°	47.2	52.0	57.3	62.2	67.1	69.7	71.1	70.0	68.9	67.8	70.5
40°	50.0	55.4	61.6	67.8	73.4	77.3	79.8	78.4	76.9	75.3	78.0
42.5°	52.3	58.6	65.5	73.3	79.6	84.8	88.4	86.7	84.9	82.9	85.4
45°	54.7	61.3	68.8	77.5	85.5	92.3	96.2	95.1	92.9	90.4	92.9
47.5°	56.7	62.9	70.3	78.6	86.6	93.8	97.9	98.3	97.5	97.1	101.9
50°	57.8	63.0	70.0	77.8	86.1	93.7	98.8	100.9	101.8	103.9	111.1
52.5°	59.7	64.2	70.1	77.3	85.7	93.4	99.5	103.3	106.0	110.6	120.5
55°	62.6	65.9	70.5	77.1	85.3	93.3	100.2	105.5	110.1	117.4	130.0
57.5°	66.2	68.2	71.4	77.3	85.1	93.2	100.8	107.5	114.0	124.1	139.6
60°	70.4	70.9	72.7	77.9	85.2	93.2	101.4	109.4	117.8	130.9	149.4
62.5°	75.2	74.3	74.9	78.9	85.4	93.2	101.8	111.1	121.5	137.6	159.2
65°	80.4	78.3	77.5	80.1	85.8	93.4	102.3	112.6	125.0	144.4	169.1
67.5°	85.9	82.7	80.3	81.5	86.4	93.7	102.7	114.1	128.5	151.1	179.1
70°	89.1	84.9	81.3	81.5	85.9	92.8	101.7	113.2	127.6	150.0	178.6
72.5°	88.4	84.3	80.9	80.9	85.1	91.9	100.6	112.2	126.7	148.9	178.0
75°	87.7	83.5	80.4	80.3	84.5	91.0	99.6	111.3	125.9	147.7	178.3
77.5°	87.0	82.6	79.9	79.8	83.9	90.3	98.7	110.5	125.1	146.6	177.2
80°	86.2	81.5	79.2	79.4	83.4	89.6	97.9	109.7	124.4	145.5	176.2
82.5°	85.5	80.3	78.5	78.9	83.0	89.0	97.1	109.0	123.7	144.4	175.1
85°	84.6	79.0	77.7	78.5	82.6	88.4	96.4	108.3	123.1	143.2	174.0
87.5°	83.7	77.6	77.0	78.2	82.3	87.9	95.8	107.7	122.5	142.1	173.0
90°	82.7	76.2	76.2	77.9	82.1	87.5	95.2	107.1	122.0	141.0	171.9
92.5°	83.7	77.6	77.0	78.2	82.3	87.9	95.8	107.7	122.5	142.1	173.0
95°	84.6	79.0	77.7	78.5	82.6	88.4	96.4	108.3	123.1	143.2	174.0
97.5°	85.5	80.3	78.5	78.9	83.0	89.0	97.1	109.0	123.7	144.4	175.1
100°	86.2	81.5	79.2	79.4	83.4	89.6	97.9	109.7	124.4	145.5	176.2
102.5°	87.0	82.6	79.9	79.8	83.9	90.3	98.7	110.5	125.1	146.6	177.2
105°	87.7	83.5	80.4	80.3	84.5	91.0	99.6	111.3	125.9	147.7	178.3
107.5°	88.4	84.3	80.9	80.9	85.1	91.9	100.6	112.2	126.7	148.9	178.0
110°	89.1	84.9	81.3	81.5	85.9	92.8	101.7	113.2	127.6	150.0	178.6



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-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°	85.9	82.7	80.3	81.5	86.4	93.7	102.7	114.1	128.5	151.1	179.1
115°	80.4	78.3	77.5	80.1	85.8	93.4	102.3	112.6	125.0	144.4	169.1
117.5°	75.2	74.3	74.9	78.9	85.4	93.2	101.8	111.1	121.5	137.6	159.2
120°	70.4	70.9	72.7	77.9	85.2	93.2	101.4	109.4	117.8	130.9	149.4
122.5°	66.2	68.2	71.4	77.3	85.1	93.2	100.8	107.5	114.0	124.1	139.6
125°	62.6	65.9	70.5	77.1	85.3	93.3	100.2	105.5	110.1	117.4	130.0
127.5°	59.7	64.2	70.1	77.3	85.7	93.4	99.5	103.3	106.0	110.6	120.5
130°	57.8	63.0	70.0	77.8	86.1	93.7	98.8	100.9	101.8	103.9	111.1
132.5°	56.7	62.9	70.3	78.6	86.6	93.8	97.9	98.3	97.5	97.1	101.9
135°	54.7	61.3	68.8	77.5	85.5	92.3	96.2	95.1	92.9	90.4	92.9
137.5°	52.3	58.6	65.5	73.3	79.6	84.8	88.4	86.7	84.9	82.9	85.4
140°	50.0	55.4	61.6	67.8	73.4	77.3	79.8	78.4	76.9	75.3	78.0
142.5°	47.2	52.0	57.3	62.2	67.1	69.7	71.1	70.0	68.9	67.8	70.5
145°	43.9	48.1	52.4	56.3	59.7	61.9	62.6	61.7	61.0	60.3	63.0
147.5°	40.1	43.5	46.8	49.8	52.2	54.0	54.1	53.5	53.2	52.7	55.5
150°	35.6	38.3	40.6	43.0	44.5	45.9	45.7	45.3	45.3	45.2	47.9
152.5°	30.4	32.2	33.9	35.4	36.6	37.4	37.4	37.3	37.5	37.7	40.3
155°	24.3	25.5	26.7	27.7	28.6	29.0	29.1	29.3	29.8	30.1	32.7
157.5°	20.5	20.8	21.1	21.3	21.5	21.4	21.3	21.6	22.1	22.6	25.1
160°	18.2	18.5	18.7	18.9	19.0	18.9	18.9	19.3	19.8	20.2	22.4
162.5°	15.9	16.1	16.4	16.5	16.5	16.5	16.6	17.0	17.4	17.7	19.7
165°	13.6	13.8	13.9	14.0	14.1	14.1	14.4	14.7	15.0	15.3	17.0
167.5°	11.3	11.4	11.5	11.6	11.6	11.8	12.1	12.4	12.6	12.8	14.3
170°	8.9	9.0	9.1	9.2	9.4	9.6	9.8	10.0	10.2	10.4	11.6
172.5°	6.6	6.7	6.9	7.1	7.2	7.4	7.6	7.7	7.8	7.9	8.8
175°	4.6	4.7	4.8	4.9	5.1	5.2	5.3	5.3	5.4	5.5	6.1
177.5°	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.3
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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	3.6	3.9	4.2	4.5	4.8	5.0	5.3	5.6	5.8	6.0	6.2
5°	6.7	7.3	7.8	8.4	8.9	9.5	10.0	10.5	10.9	11.4	11.8
7.5°	9.7	10.6	11.4	12.3	13.1	13.8	14.7	15.7	16.7	17.7	18.6
10°	12.7	13.9	15.0	16.1	17.2	18.7	20.1	21.4	22.7	24.0	25.3
12.5°	15.7	17.1	18.5	20.1	21.9	23.7	25.4	27.1	28.9	30.7	32.6
15°	18.7	20.4	22.1	24.3	26.5	28.6	30.7	32.9	35.1	37.3	39.6
17.5°	21.7	23.6	26.0	28.5	31.0	33.5	36.0	38.5	40.9	43.2	45.4
20°	24.6	26.9	29.8	32.7	35.5	38.2	41.0	43.7	46.3	48.8	51.3
22.5°	27.6	30.3	33.6	36.8	39.8	42.7	45.6	48.6	51.5	54.3	57.0
25°	35.2	38.2	41.4	44.4	47.2	49.8	52.4	54.9	57.2	59.2	62.0
27.5°	42.9	46.3	49.7	52.9	55.8	58.6	61.3	63.9	66.0	68.0	70.0
30°	50.5	54.3	58.0	61.2	64.5	67.2	70.0	72.3	74.4	76.6	78.7
32.5°	58.3	62.3	66.1	69.5	72.6	75.5	78.2	80.4	82.6	84.8	87.5
35°	66.1	70.2	74.1	77.6	80.7	83.8	86.0	88.3	90.4	93.0	96.5
37.5°	73.8	78.1	82.0	85.6	88.6	91.3	93.6	95.8	98.1	101.4	105.2
40°	81.4	85.9	89.8	93.4	96.3	98.7	101.0	103.0	105.8	109.3	114.5
42.5°	89.0	93.6	97.6	100.9	103.7	105.9	108.0	109.9	113.3	117.7	123.4
45°	96.6	101.2	105.3	108.3	110.8	113.0	114.7	117.1	120.4	126.1	132.5
47.5°	108.2	115.0	120.7	123.3	124.3	124.4	124.3	125.0	128.2	134.6	141.3
50°	120.4	130.0	138.0	141.5	141.6	141.4	141.7	143.1	145.8	149.2	153.4
52.5°	133.0	145.5	155.4	159.9	158.5	158.4	159.5	161.4	164.3	167.7	171.8
55°	145.9	161.4	173.0	177.8	174.9	175.6	177.5	179.8	182.5	185.4	189.1
57.5°	159.0	177.7	190.8	195.1	191.3	192.9	195.5	197.9	200.1	202.4	205.6
60°	172.4	194.4	208.7	212.0	208.3	210.3	213.5	215.6	217.0	218.6	220.5
62.5°	186.1	211.4	226.8	228.7	225.3	227.9	231.5	232.9	233.4	234.1	234.6
65°	199.9	228.6	245.1	245.1	242.3	245.7	249.0	249.7	249.2	248.8	247.7
67.5°	213.8	246.1	263.4	261.4	259.4	263.4	266.3	266.1	264.5	262.7	259.9
70°	213.8	247.7	268.3	269.5	270.1	274.3	277.3	277.8	276.9	275.1	271.4
72.5°	213.3	248.0	271.7	276.5	278.0	280.7	282.3	282.3	281.0	278.8	275.9
75°	212.5	248.1	275.4	284.3	285.7	286.6	287.2	286.7	285.1	282.5	279.9
77.5°	211.6	248.1	279.3	292.6	293.2	292.2	291.9	291.2	289.2	286.2	284.0
80°	211.6	247.9	283.3	301.3	300.5	297.5	296.5	295.6	293.2	290.0	288.3
82.5°	209.9	248.5	288.6	310.3	307.6	302.6	301.1	300.1	297.2	293.9	292.7
85°	208.1	247.4	291.8	320.0	314.6	307.5	305.6	304.5	301.2	297.8	297.3
87.5°	206.4	246.2	294.9	328.6	321.8	312.6	310.1	309.0	305.2	301.7	301.8
90°	204.7	245.1	298.1	337.3	329.0	317.7	314.7	313.5	309.4	305.8	306.4
92.5°	206.4	246.2	294.9	328.6	321.8	312.6	310.1	309.0	305.2	301.7	301.8
95°	208.1	247.4	291.8	320.0	314.6	307.5	305.6	304.5	301.2	297.8	297.3
97.5°	209.9	248.5	288.6	310.3	307.6	302.6	301.1	300.1	297.2	293.9	292.7
100°	211.6	247.9	283.3	301.3	300.5	297.5	296.5	295.6	293.2	290.0	288.3
102.5°	211.6	248.1	279.3	292.6	293.2	292.2	291.9	291.2	289.2	286.2	284.0
105°	212.5	248.1	275.4	284.3	285.7	286.6	287.2	286.7	285.1	282.5	279.9
107.5°	213.3	248.0	271.7	276.5	278.0	280.7	282.3	282.3	281.0	278.8	275.9
110°	213.8	247.7	268.3	269.5	270.1	274.3	277.3	277.8	276.9	275.1	271.4



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	213.8	246.1	263.4	261.4	259.4	263.4	266.3	266.1	264.5	262.7	259.9
115°	199.9	228.6	245.1	245.1	242.3	245.7	249.0	249.7	249.2	248.8	247.7
117.5°	186.1	211.4	226.8	228.7	225.3	227.9	231.5	232.9	233.4	234.1	234.6
120°	172.4	194.4	208.7	212.0	208.3	210.3	213.5	215.6	217.0	218.6	220.5
122.5°	159.0	177.7	190.8	195.1	191.3	192.9	195.5	197.9	200.1	202.4	205.6
125°	145.9	161.4	173.0	177.8	174.9	175.6	177.5	179.8	182.5	185.4	189.1
127.5°	133.0	145.5	155.4	159.9	158.5	158.4	159.5	161.4	164.3	167.7	171.8
130°	120.4	130.0	138.0	141.5	141.6	141.4	141.7	143.1	145.8	149.2	153.4
132.5°	108.2	115.0	120.7	123.3	124.3	124.4	124.3	125.0	128.2	134.6	141.3
135°	96.6	101.2	105.3	108.3	110.8	113.0	114.7	117.1	120.4	126.1	132.5
137.5°	89.0	93.6	97.6	100.9	103.7	105.9	108.0	109.9	113.3	117.7	123.4
140°	81.4	85.9	89.8	93.4	96.3	98.7	101.0	103.0	105.8	109.3	114.5
142.5°	73.8	78.1	82.0	85.6	88.6	91.3	93.6	95.8	98.1	101.4	105.2
145°	66.1	70.2	74.1	77.6	80.7	83.8	86.0	88.3	90.4	93.0	96.5
147.5°	58.3	62.3	66.1	69.5	72.6	75.5	78.2	80.4	82.6	84.8	87.5
150°	50.5	54.3	58.0	61.2	64.5	67.2	70.0	72.3	74.4	76.6	78.7
152.5°	42.9	46.3	49.7	52.9	55.8	58.6	61.3	63.9	66.0	68.0	70.0
155°	35.2	38.2	41.4	44.4	47.2	49.8	52.4	54.9	57.2	59.2	62.0
157.5°	27.6	30.3	33.6	36.8	39.8	42.7	45.6	48.6	51.5	54.3	57.0
160°	24.6	26.9	29.8	32.7	35.5	38.2	41.0	43.7	46.3	48.8	51.3
162.5°	21.7	23.6	26.0	28.5	31.0	33.5	36.0	38.5	40.9	43.2	45.4
165°	18.7	20.4	22.1	24.3	26.5	28.6	30.7	32.9	35.1	37.3	39.6
167.5°	15.7	17.1	18.5	20.1	21.9	23.7	25.4	27.1	28.9	30.7	32.6
170°	12.7	13.9	15.0	16.1	17.2	18.7	20.1	21.4	22.7	24.0	25.3
172.5°	9.7	10.6	11.4	12.3	13.1	13.8	14.7	15.7	16.7	17.7	18.6
175°	6.7	7.3	7.8	8.4	8.9	9.5	10.0	10.5	10.9	11.4	11.8
177.5°	3.6	3.9	4.2	4.5	4.8	5.0	5.3	5.6	5.8	6.0	6.2
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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	6.5	6.6	6.8	7.0	7.2	7.3	7.5	7.6	7.7	7.8	7.9
5°	12.4	13.0	13.5	14.1	14.5	15.0	15.4	15.8	16.2	16.5	16.8
7.5°	19.5	20.3	21.1	21.9	22.7	23.6	24.5	25.3	26.1	26.8	27.5
10°	26.7	28.1	29.5	30.8	32.1	33.3	34.5	35.5	36.3	37.0	37.6
12.5°	34.3	36.1	37.7	39.0	40.3	41.5	42.7	43.7	44.7	45.9	47.2
15°	41.2	43.0	44.7	46.3	47.9	49.7	51.6	53.3	55.1	56.7	58.3
17.5°	47.5	49.8	51.8	54.0	56.2	58.4	60.5	62.6	64.5	66.4	68.3
20°	53.8	56.3	58.8	61.3	63.8	66.2	68.6	70.9	73.0	74.9	76.6
22.5°	59.7	62.4	65.1	67.9	70.7	73.5	76.2	78.7	80.9	82.6	83.9
25°	64.9	67.8	71.1	74.3	77.8	81.0	84.0	86.7	88.8	90.9	92.9
27.5°	72.0	74.3	77.4	81.4	85.7	89.7	93.6	96.7	99.9	102.5	104.8
30°	81.4	84.6	88.0	92.0	96.0	100.5	105.1	109.1	112.8	115.8	118.6
32.5°	90.9	94.8	99.3	103.8	108.8	113.7	118.5	123.1	127.0	130.3	133.4
35°	100.5	105.4	110.5	116.0	121.5	127.0	132.2	136.8	141.1	145.3	149.6
37.5°	110.4	115.9	121.9	127.9	134.1	139.8	145.1	150.3	155.7	161.3	167.2
40°	120.1	126.5	133.0	139.8	146.2	152.2	158.4	164.5	171.6	179.2	187.1
42.5°	130.0	136.8	144.1	151.1	157.9	164.9	171.9	180.4	189.6	198.8	208.8
45°	139.4	147.1	154.8	162.2	170.0	177.7	187.1	196.7	207.6	219.6	233.8
47.5°	148.9	157.1	165.2	173.5	182.0	191.8	202.1	213.7	227.3	242.6	261.0
50°	158.8	166.9	175.6	184.7	194.7	205.4	217.3	231.7	248.4	268.1	290.1
52.5°	176.6	181.9	188.3	196.1	207.4	218.9	233.0	250.1	270.6	294.9	324.0
55°	193.2	197.9	204.1	211.9	221.6	232.6	248.4	269.2	293.9	324.4	360.5
57.5°	208.4	212.5	218.6	227.1	238.0	252.2	268.6	288.6	319.2	356.3	397.2
60°	222.5	225.5	232.3	242.6	255.9	271.8	289.8	316.0	348.5	387.0	434.4
62.5°	235.4	238.3	245.5	257.6	273.9	290.7	312.3	341.4	379.0	423.1	472.9
65°	247.1	250.6	259.6	273.7	291.1	307.3	333.2	367.5	409.0	456.8	511.9
67.5°	257.8	262.0	273.2	289.9	306.4	325.2	353.1	390.2	435.8	488.8	548.6
70°	268.6	273.1	286.3	305.4	319.7	341.1	372.5	412.8	460.7	516.3	582.5
72.5°	275.8	283.3	299.3	319.2	331.8	355.5	388.6	431.5	481.7	541.4	607.8
75°	281.4	291.0	309.5	329.2	345.2	369.5	403.8	447.0	497.7	561.2	629.4
77.5°	286.8	298.3	319.7	339.3	357.5	383.4	418.8	462.6	515.5	578.6	646.3
80°	292.1	305.0	329.5	349.3	368.6	395.0	430.8	474.9	530.6	595.2	665.8
82.5°	297.3	311.3	338.8	359.1	378.4	404.6	440.0	483.8	541.6	607.2	680.2
85°	302.3	317.1	347.5	368.5	387.2	412.4	446.7	489.8	548.8	614.8	689.4
87.5°	307.2	322.6	356.0	377.7	395.5	419.1	452.0	494.1	553.9	620.1	695.8
90°	311.8	327.2	362.3	385.5	402.2	423.6	454.0	493.8	552.1	617.0	691.9
92.5°	307.2	322.6	356.0	377.7	395.5	419.1	452.0	494.1	553.9	620.1	695.8
95°	302.3	317.1	347.5	368.5	387.2	412.4	446.7	489.8	548.8	614.8	689.4
97.5°	297.3	311.3	338.8	359.1	378.4	404.6	440.0	483.8	541.6	607.2	680.2
100°	292.1	305.0	329.5	349.3	368.6	395.0	430.8	474.9	530.6	595.2	665.8
102.5°	286.8	298.3	319.7	339.3	357.5	383.4	418.8	462.6	515.5	578.6	646.3
105°	281.4	291.0	309.5	329.2	345.2	369.5	403.8	447.0	497.7	561.2	629.4
107.5°	275.8	283.3	299.3	319.2	331.8	355.5	388.6	431.5	481.7	541.4	607.8
110°	268.6	273.1	286.3	305.4	319.7	341.1	372.5	412.8	460.7	516.3	582.5



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-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°	257.8	262.0	273.2	289.9	306.4	325.2	353.1	390.2	435.8	488.8	548.6
115°	247.1	250.6	259.6	273.7	291.1	307.3	333.2	367.5	409.0	456.8	511.9
117.5°	235.4	238.3	245.5	257.6	273.9	290.7	312.3	341.4	379.0	423.1	472.9
120°	222.5	225.5	232.3	242.6	255.9	271.8	289.8	316.0	348.5	387.0	434.4
122.5°	208.4	212.5	218.6	227.1	238.0	252.2	268.6	288.6	319.2	356.3	397.2
125°	193.2	197.9	204.1	211.9	221.6	232.6	248.4	269.2	293.9	324.4	360.5
127.5°	176.6	181.9	188.3	196.1	207.4	218.9	233.0	250.1	270.6	294.9	324.0
130°	158.8	166.9	175.6	184.7	194.7	205.4	217.3	231.7	248.4	268.1	290.1
132.5°	148.9	157.1	165.2	173.5	182.0	191.8	202.1	213.7	227.3	242.6	261.0
135°	139.4	147.1	154.8	162.2	170.0	177.7	187.1	196.7	207.6	219.6	233.8
137.5°	130.0	136.8	144.1	151.1	157.9	164.9	171.9	180.4	189.6	198.8	208.8
140°	120.1	126.5	133.0	139.8	146.2	152.2	158.4	164.5	171.6	179.2	187.1
142.5°	110.4	115.9	121.9	127.9	134.1	139.8	145.1	150.3	155.7	161.3	167.2
145°	100.5	105.4	110.5	116.0	121.5	127.0	132.2	136.8	141.1	145.3	149.6
147.5°	90.9	94.8	99.3	103.8	108.8	113.7	118.5	123.1	127.0	130.3	133.4
150°	81.4	84.6	88.0	92.0	96.0	100.5	105.1	109.1	112.8	115.8	118.6
152.5°	72.0	74.3	77.4	81.4	85.7	89.7	93.6	96.7	99.9	102.5	104.8
155°	64.9	67.8	71.1	74.3	77.8	81.0	84.0	86.7	88.8	90.9	92.9
157.5°	59.7	62.4	65.1	67.9	70.7	73.5	76.2	78.7	80.9	82.6	83.9
160°	53.8	56.3	58.8	61.3	63.8	66.2	68.6	70.9	73.0	74.9	76.6
162.5°	47.5	49.8	51.8	54.0	56.2	58.4	60.5	62.6	64.5	66.4	68.3
165°	41.2	43.0	44.7	46.3	47.9	49.7	51.6	53.3	55.1	56.7	58.3
167.5°	34.3	36.1	37.7	39.0	40.3	41.5	42.7	43.7	44.7	45.9	47.2
170°	26.7	28.1	29.5	30.8	32.1	33.3	34.5	35.5	36.3	37.0	37.6
172.5°	19.5	20.3	21.1	21.9	22.7	23.6	24.5	25.3	26.1	26.8	27.5
175°	12.4	13.0	13.5	14.1	14.5	15.0	15.4	15.8	16.2	16.5	16.8
177.5°	6.5	6.6	6.8	7.0	7.2	7.3	7.5	7.6	7.7	7.8	7.9
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: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	7.9	8.0	8.0	8.1	8.1	8.1	8.3	8.2	8.1	8.0	7.9
5°	17.1	17.3	17.5	17.6	17.7	17.8	17.8	17.8	18.1	17.9	17.7
7.5°	28.1	28.6	29.1	29.5	29.9	30.2	30.4	30.6	30.7	31.0	30.8
10°	38.2	38.8	39.2	39.6	40.0	40.2	40.4	40.5	40.5	40.8	40.5
12.5°	48.4	49.4	50.5	51.4	52.2	52.9	53.5	54.0	54.4	54.7	55.1
15°	59.7	61.0	62.3	63.4	64.5	65.4	66.3	67.0	67.5	68.0	68.6
17.5°	69.9	71.2	72.3	73.3	74.2	74.9	75.5	75.9	76.2	76.4	76.7
20°	78.2	79.3	79.9	80.3	80.4	80.3	80.1	79.7	79.2	78.5	77.8
22.5°	84.9	85.5	86.3	86.9	87.3	87.4	87.2	86.7	86.0	85.1	84.3
25°	94.6	95.8	96.7	97.3	97.5	97.3	96.8	96.0	94.9	93.5	91.9
27.5°	106.7	108.0	108.8	109.6	110.6	111.2	111.4	111.4	110.9	110.1	108.9
30°	120.7	122.8	124.7	126.2	128.2	130.0	131.3	132.3	132.8	132.8	132.3
32.5°	136.4	139.9	143.0	146.0	149.6	153.5	156.9	159.9	162.2	163.9	164.8
35°	153.7	159.1	164.9	170.5	176.0	182.1	187.6	192.5	196.7	200.0	202.4
37.5°	174.1	181.3	189.6	197.7	205.4	214.5	223.3	231.3	238.3	244.2	248.9
40°	195.9	205.3	216.9	228.9	240.6	252.8	265.2	276.4	286.3	294.8	301.7
42.5°	220.9	233.5	247.9	264.6	280.6	296.5	314.3	330.7	345.4	358.2	368.9
45°	248.8	266.4	283.7	305.9	328.5	352.5	373.4	395.2	414.7	431.8	446.1
47.5°	280.4	303.8	328.1	353.7	383.2	411.5	440.3	468.5	494.2	517.0	536.4
50°	317.3	345.7	377.7	409.0	443.6	479.5	515.1	550.3	581.1	607.5	629.1
52.5°	357.2	392.4	431.0	469.8	512.6	557.1	599.5	641.3	675.6	702.6	722.6
55°	399.0	442.1	487.6	538.2	590.9	649.5	701.2	737.5	764.7	784.9	798.5
57.5°	442.9	494.0	548.7	611.5	680.0	734.3	787.6	815.1	831.0	842.7	850.3
60°	487.9	546.1	612.2	678.6	742.3	796.4	838.7	864.9	876.0	884.7	890.9
62.5°	530.3	596.2	664.8	733.3	791.6	841.1	876.5	900.2	911.4	921.2	929.2
65°	572.9	637.1	709.3	778.5	839.4	887.1	914.2	931.4	940.8	950.2	958.3
67.5°	613.0	680.4	753.9	830.4	893.0	928.5	947.4	956.0	964.3	976.1	983.9
70°	648.4	722.2	801.5	883.7	937.0	957.8	968.9	980.6	992.0	999.0	1005.5
72.5°	679.3	756.9	840.8	913.6	958.6	976.5	988.4	999.1	1008.7	1017.4	1026.3
75°	704.6	784.2	867.1	937.3	977.4	991.7	1001.8	1012.3	1022.9	1034.1	1043.5
77.5°	722.4	801.0	891.9	961.9	992.2	1006.0	1014.4	1020.8	1032.5	1045.4	1058.0
80°	739.5	820.1	913.2	984.8	1007.0	1019.1	1022.4	1030.8	1038.4	1053.2	1069.8
82.5°	754.2	839.1	933.4	993.0	1016.2	1024.9	1030.5	1041.8	1050.6	1062.2	1075.5
85°	763.0	848.5	947.4	998.2	1020.1	1027.4	1037.9	1052.1	1061.3	1069.3	1071.9
87.5°	768.7	848.8	953.9	1002.1	1022.9	1030.2	1040.7	1053.6	1060.6	1073.7	1082.1
90°	763.3	841.3	951.3	1002.5	1023.9	1032.9	1040.6	1051.9	1053.1	1069.7	1082.2
92.5°	768.7	848.8	953.9	1002.1	1022.9	1030.2	1040.7	1053.6	1060.6	1073.7	1082.1
95°	763.0	848.5	947.4	998.2	1020.1	1027.4	1037.9	1052.1	1061.3	1069.3	1071.9
97.5°	754.2	839.1	933.4	993.0	1016.2	1024.9	1030.5	1041.8	1050.6	1062.2	1075.5
100°	739.5	820.1	913.2	984.8	1007.0	1019.1	1022.4	1030.8	1038.4	1053.2	1069.8
102.5°	722.4	801.0	891.9	961.9	992.2	1006.0	1014.4	1020.8	1032.5	1045.4	1058.0
105°	704.6	784.2	867.1	937.3	977.4	991.7	1001.8	1012.3	1022.9	1034.1	1043.5
107.5°	679.3	756.9	840.8	913.6	958.6	976.5	988.4	999.1	1008.7	1017.4	1026.3
110°	648.4	722.2	801.5	883.7	937.0	957.8	968.9	980.6	992.0	999.0	1005.5



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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°	613.0	680.4	753.9	830.4	893.0	928.5	947.4	956.0	964.3	976.1	983.9
115°	572.9	637.1	709.3	778.5	839.4	887.1	914.2	931.4	940.8	950.2	958.3
117.5°	530.3	596.2	664.8	733.3	791.6	841.1	876.5	900.2	911.4	921.2	929.2
120°	487.9	546.1	612.2	678.6	742.3	796.4	838.7	864.9	876.0	884.7	890.9
122.5°	442.9	494.0	548.7	611.5	680.0	734.3	787.6	815.1	831.0	842.7	850.3
125°	399.0	442.1	487.6	538.2	590.9	649.5	701.2	737.5	764.7	784.9	798.5
127.5°	357.2	392.4	431.0	469.8	512.6	557.1	599.5	641.3	675.6	702.6	722.6
130°	317.3	345.7	377.7	409.0	443.6	479.5	515.1	550.3	581.1	607.5	629.1
132.5°	280.4	303.8	328.1	353.7	383.2	411.5	440.3	468.5	494.2	517.0	536.4
135°	248.8	266.4	283.7	305.9	328.5	352.5	373.4	395.2	414.7	431.8	446.1
137.5°	220.9	233.5	247.9	264.6	280.6	296.5	314.3	330.7	345.4	358.2	368.9
140°	195.9	205.3	216.9	228.9	240.6	252.8	265.2	276.4	286.3	294.8	301.7
142.5°	174.1	181.3	189.6	197.7	205.4	214.5	223.3	231.3	238.3	244.2	248.9
145°	153.7	159.1	164.9	170.5	176.0	182.1	187.6	192.5	196.7	200.0	202.4
147.5°	136.4	139.9	143.0	146.0	149.6	153.5	156.9	159.9	162.2	163.9	164.8
150°	120.7	122.8	124.7	126.2	128.2	130.0	131.3	132.3	132.8	132.8	132.3
152.5°	106.7	108.0	108.8	109.6	110.6	111.2	111.4	111.4	110.9	110.1	108.9
155°	94.6	95.8	96.7	97.3	97.5	97.3	96.8	96.0	94.9	93.5	91.9
157.5°	84.9	85.5	86.3	86.9	87.3	87.4	87.2	86.7	86.0	85.1	84.3
160°	78.2	79.3	79.9	80.3	80.4	80.3	80.1	79.7	79.2	78.5	77.8
162.5°	69.9	71.2	72.3	73.3	74.2	74.9	75.5	75.9	76.2	76.4	76.7
165°	59.7	61.0	62.3	63.4	64.5	65.4	66.3	67.0	67.5	68.0	68.6
167.5°	48.4	49.4	50.5	51.4	52.2	52.9	53.5	54.0	54.4	54.7	55.1
170°	38.2	38.8	39.2	39.6	40.0	40.2	40.4	40.5	40.5	40.8	40.5
172.5°	28.1	28.6	29.1	29.5	29.9	30.2	30.4	30.6	30.7	31.0	30.8
175°	17.1	17.3	17.5	17.6	17.7	17.8	17.8	17.8	18.1	17.9	17.7
177.5°	7.9	8.0	8.0	8.1	8.1	8.1	8.3	8.2	8.1	8.0	7.9
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°	0.6	0.6
2.5°	7.8	7.7
5°	17.5	17.3
7.5°	30.5	30.3
10°	40.2	39.9
12.5°	54.9	54.7
15°	68.5	68.4
17.5°	76.4	76.2
20°	77.0	76.2
22.5°	82.9	81.5
25°	90.2	88.1
27.5°	107.5	105.3
30°	131.6	129.7
32.5°	165.4	164.2
35°	204.4	204.1
37.5°	253.0	254.0
40°	307.8	310.0
42.5°	378.5	382.6
45°	459.2	465.3
47.5°	554.3	563.4
50°	648.5	658.0
52.5°	738.9	744.3
55°	808.5	809.2
57.5°	855.7	854.4
60°	895.8	894.8
62.5°	934.6	937.1
65°	964.7	968.6
67.5°	987.9	988.8
70°	1010.4	1013.2
72.5°	1032.8	1036.4
75°	1050.2	1054.3
77.5°	1065.0	1069.2
80°	1077.0	1076.3
82.5°	1085.3	1087.0
85°	1085.9	1095.9
87.5°	1081.0	1098.9
90°	1081.6	1085.8
92.5°	1081.0	1098.9
95°	1085.9	1095.9
97.5°	1085.3	1087.0
100°	1077.0	1076.3
102.5°	1065.0	1069.2
105°	1050.2	1054.3
107.5°	1032.8	1036.4
110°	1010.4	1013.2



TEST NUMBER: P231969

CATALOG NUMBER: FVS4WM-4-LD4-35-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	987.9	988.8
115°	964.7	968.6
117.5°	934.6	937.1
120°	895.8	894.8
122.5°	855.7	854.4
125°	808.5	809.2
127.5°	738.9	744.3
130°	648.5	658.0
132.5°	554.3	563.4
135°	459.2	465.3
137.5°	378.5	382.6
140°	307.8	310.0
142.5°	253.0	254.0
145°	204.4	204.1
147.5°	165.4	164.2
150°	131.6	129.7
152.5°	107.5	105.3
155°	90.2	88.1
157.5°	82.9	81.5
160°	77.0	76.2
162.5°	76.4	76.2
165°	68.5	68.4
167.5°	54.9	54.7
170°	40.2	39.9
172.5°	30.5	30.3
175°	17.5	17.3
177.5°	7.8	7.7
180°	0.0	0.0

(END OF REPORT)