

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: P231935

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-2-LD4-50-2LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (84) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

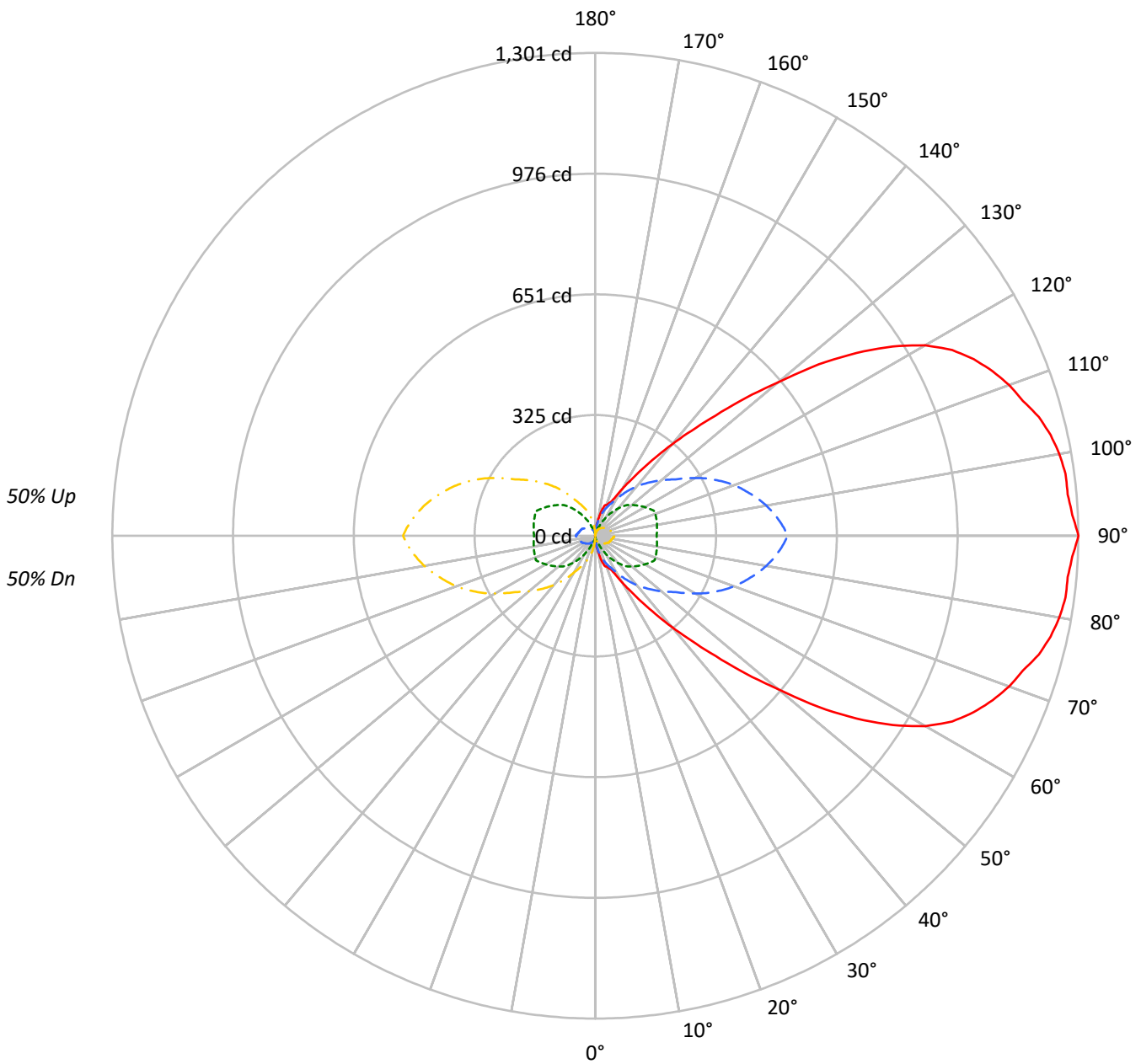
Lumens per Lamp: N/A
Luminaire Lumens: 2876.7 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 24.1
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	32	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	26	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°	525	175	0	175
10°	1037	352	0	352
15°	1603	529	0	529
20°	1750	713	0	713
25°	1887	1124	0	1124
30°	2566	1786	0	1786
35°	3663	2507	0	2507
40°	5228	3312	0	3312
45°	7280	4232	11	4232
50°	10029	5025	11	5025
55°	13262	5989	11	5989
60°	15816	7198	11	7198
65°	17431	8754	11	8754
70°	18624	10409	11	10409
75°	19820	12252	11	12252
80°	20946	15110	0	15110
85°	21893	20018	0	20018



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	9.3	0.3
20°-30°	25.0	0.9
30°-40°	57.1	2.0
40°-50°	111.5	3.9
50°-60°	198.3	6.9
60°-70°	291.7	10.1
70°-80°	355.5	12.4
80°-90°	388.6	13.5
90°-100°	388.6	13.5
100°-110°	355.5	12.4
110°-120°	291.7	10.1
120°-130°	198.3	6.9
130°-140°	111.5	3.9
140°-150°	57.1	2.0
150°-160°	25.0	0.9
160°-170°	9.3	0.3
170°-180°	1.3	0.0
0°-30°	35.6	1.2
0°-40°	92.7	3.2
0°-60°	402.5	14.0
0°-90°	1438.4	50.0
90°-120°	1035.9	36.0
90°-150°	1402.7	48.8
90°-180°	1438.0	50.0
0°-180°	2876.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	20	6	0	6	20	3
15°	75	18	0	18	75	21
25°	102	37	0	37	102	50
35°	217	76	0	76	217	142
45°	458	116	1	116	458	366
55°	858	141	1	141	858	766
65°	1125	167	1	167	1125	1111
75°	1237	170	1	170	1237	1304
85°	1277	167	0	167	1277	1044
90°	1301	165	0	165	1301	709
95°	1277	167	0	167	1277	1044
105°	1237	170	1	170	1237	1304
115°	1125	167	1	167	1125	1111
125°	858	141	1	141	858	766
135°	458	116	1	116	458	366
145°	217	76	0	76	217	142
155°	102	37	0	37	102	50
165°	75	18	0	18	75	21
175°	20	6	0	6	20	3
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°	8.7	8.8	9.0	9.1	9.2	9.3	9.4	9.2	9.2	9.1	9.1
5°	20.0	20.3	20.5	20.8	21.0	20.7	20.7	20.7	20.6	20.5	20.3
7.5°	32.1	32.4	32.8	33.1	32.9	32.9	32.9	32.8	32.6	32.4	32.1
10°	44.1	44.5	44.9	45.4	45.0	45.0	45.0	44.8	44.5	44.2	43.8
12.5°	58.1	58.5	58.9	58.7	58.7	58.5	58.2	57.8	57.3	56.7	56.0
15°	74.8	75.0	75.3	74.7	74.3	73.7	73.0	72.2	71.2	70.2	69.0
17.5°	86.2	86.5	86.8	86.4	86.2	85.7	85.2	84.4	83.5	82.5	81.3
20°	88.2	89.0	89.9	90.5	91.0	91.5	91.8	91.9	91.8	91.6	91.1
22.5°	94.2	95.6	97.0	97.8	98.7	99.3	99.7	99.9	99.7	99.3	98.6
25°	101.5	103.6	105.3	106.9	108.3	109.3	110.1	110.5	110.6	110.2	109.5
27.5°	117.6	119.8	121.3	122.6	123.5	124.1	124.4	124.3	123.8	123.1	122.3
30°	145.6	147.4	147.9	148.0	147.6	146.7	145.4	143.5	141.3	138.8	137.5
32.5°	176.4	177.7	177.4	176.8	175.4	173.4	170.9	167.8	164.3	160.6	157.1
35°	217.1	217.5	215.6	213.2	209.9	205.7	200.8	195.2	189.1	184.0	178.8
37.5°	264.6	264.0	260.4	256.2	250.8	244.2	236.7	228.2	219.3	211.4	203.2
40°	320.7	319.3	314.0	307.8	299.8	290.3	279.2	266.7	254.5	243.1	231.1
42.5°	383.5	381.2	374.0	365.8	355.5	343.2	329.1	313.3	297.5	280.9	263.3
45°	458.3	455.0	445.4	434.4	420.6	404.1	385.2	366.6	345.2	324.5	303.4
47.5°	549.8	544.9	531.7	516.7	498.1	476.3	451.5	425.7	400.0	372.6	348.6
50°	642.7	638.3	624.1	607.4	585.8	559.3	528.1	496.1	463.1	429.4	399.5
52.5°	758.3	753.4	735.4	714.4	687.4	654.5	616.2	577.9	535.2	493.2	455.0
55°	858.5	849.3	828.7	806.5	780.7	752.1	718.4	670.0	615.0	563.8	514.3
57.5°	949.3	935.4	910.2	883.9	854.3	822.3	787.6	746.4	700.9	636.3	576.6
60°	1026.2	1007.7	978.9	949.0	916.3	881.7	845.1	806.0	759.6	702.6	639.0
62.5°	1083.6	1059.1	1030.6	999.0	965.1	930.0	894.6	857.8	813.3	763.6	696.3
65°	1125.0	1101.4	1073.4	1041.0	1003.9	967.7	934.2	898.0	856.7	809.9	753.4
67.5°	1158.4	1136.4	1110.2	1079.1	1043.0	1006.5	967.9	929.1	889.3	845.2	794.8
70°	1186.5	1167.6	1143.9	1114.3	1078.9	1039.9	998.7	956.5	914.3	872.7	827.2
72.5°	1207.9	1193.5	1174.0	1147.7	1112.4	1068.9	1024.7	979.0	937.3	896.4	853.9
75°	1236.6	1224.3	1205.7	1175.5	1135.1	1092.6	1046.3	1002.3	958.9	915.8	872.8
77.5°	1256.0	1249.1	1235.0	1199.4	1156.0	1109.1	1067.4	1023.0	977.2	931.8	886.1
80°	1269.3	1264.9	1251.6	1218.1	1172.1	1127.3	1082.4	1040.2	990.6	943.9	896.3
82.5°	1277.3	1276.4	1265.6	1236.9	1187.5	1139.5	1091.9	1046.2	1000.2	953.9	908.4
85°	1277.3	1285.6	1281.5	1245.1	1195.1	1145.0	1099.9	1055.4	1008.6	961.0	916.0
87.5°	1286.0	1292.0	1276.4	1249.8	1201.4	1154.8	1107.4	1061.7	1011.3	962.9	918.9
90°	1301.4	1292.0	1271.3	1250.6	1202.5	1155.8	1107.7	1062.2	1008.1	960.0	917.3
92.5°	1286.0	1292.0	1276.4	1249.8	1201.4	1154.8	1107.4	1061.7	1011.3	962.9	918.9
95°	1277.3	1285.6	1281.5	1245.1	1195.1	1145.0	1099.9	1055.4	1008.6	961.0	916.0
97.5°	1277.3	1276.4	1265.6	1236.9	1187.5	1139.5	1091.9	1046.2	1000.2	953.9	908.4
100°	1269.3	1264.9	1251.6	1218.1	1172.1	1127.3	1082.4	1040.2	990.6	943.9	896.3
102.5°	1256.0	1249.1	1235.0	1199.4	1156.0	1109.1	1067.4	1023.0	977.2	931.8	886.1
105°	1236.6	1224.3	1205.7	1175.5	1135.1	1092.6	1046.3	1002.3	958.9	915.8	872.8
107.5°	1207.9	1193.5	1174.0	1147.7	1112.4	1068.9	1024.7	979.0	937.3	896.4	853.9
110°	1186.5	1167.6	1143.9	1114.3	1078.9	1039.9	998.7	956.5	914.3	872.7	827.2



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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°	1158.4	1136.4	1110.2	1079.1	1043.0	1006.5	967.9	929.1	889.3	845.2	794.8
115°	1125.0	1101.4	1073.4	1041.0	1003.9	967.7	934.2	898.0	856.7	809.9	753.4
117.5°	1083.6	1059.1	1030.6	999.0	965.1	930.0	894.6	857.8	813.3	763.6	696.3
120°	1026.2	1007.7	978.9	949.0	916.3	881.7	845.1	806.0	759.6	702.6	639.0
122.5°	949.3	935.4	910.2	883.9	854.3	822.3	787.6	746.4	700.9	636.3	576.6
125°	858.5	849.3	828.7	806.5	780.7	752.1	718.4	670.0	615.0	563.8	514.3
127.5°	758.3	753.4	735.4	714.4	687.4	654.5	616.2	577.9	535.2	493.2	455.0
130°	642.7	638.3	624.1	607.4	585.8	559.3	528.1	496.1	463.1	429.4	399.5
132.5°	549.8	544.9	531.7	516.7	498.1	476.3	451.5	425.7	400.0	372.6	348.6
135°	458.3	455.0	445.4	434.4	420.6	404.1	385.2	366.6	345.2	324.5	303.4
137.5°	383.5	381.2	374.0	365.8	355.5	343.2	329.1	313.3	297.5	280.9	263.3
140°	320.7	319.3	314.0	307.8	299.8	290.3	279.2	266.7	254.5	243.1	231.1
142.5°	264.6	264.0	260.4	256.2	250.8	244.2	236.7	228.2	219.3	211.4	203.2
145°	217.1	217.5	215.6	213.2	209.9	205.7	200.8	195.2	189.1	184.0	178.8
147.5°	176.4	177.7	177.4	176.8	175.4	173.4	170.9	167.8	164.3	160.6	157.1
150°	145.6	147.4	147.9	148.0	147.6	146.7	145.4	143.5	141.3	138.8	137.5
152.5°	117.6	119.8	121.3	122.6	123.5	124.1	124.4	124.3	123.8	123.1	122.3
155°	101.5	103.6	105.3	106.9	108.3	109.3	110.1	110.5	110.6	110.2	109.5
157.5°	94.2	95.6	97.0	97.8	98.7	99.3	99.7	99.9	99.7	99.3	98.6
160°	88.2	89.0	89.9	90.5	91.0	91.5	91.8	91.9	91.8	91.6	91.1
162.5°	86.2	86.5	86.8	86.4	86.2	85.7	85.2	84.4	83.5	82.5	81.3
165°	74.8	75.0	75.3	74.7	74.3	73.7	73.0	72.2	71.2	70.2	69.0
167.5°	58.1	58.5	58.9	58.7	58.7	58.5	58.2	57.8	57.3	56.7	56.0
170°	44.1	44.5	44.9	45.4	45.0	45.0	45.0	44.8	44.5	44.2	43.8
172.5°	32.1	32.4	32.8	33.1	32.9	32.9	32.9	32.8	32.6	32.4	32.1
175°	20.0	20.3	20.5	20.8	21.0	20.7	20.7	20.7	20.6	20.5	20.3
177.5°	8.7	8.8	9.0	9.1	9.2	9.3	9.4	9.2	9.2	9.1	9.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	9.1	9.0	8.9	8.8	8.7	8.5	8.4	8.2	8.0	7.8	7.6
5°	20.1	19.9	19.6	19.2	18.9	18.4	18.0	17.5	16.9	16.4	15.7
7.5°	31.7	31.3	30.8	30.3	29.7	29.0	28.3	27.5	26.7	25.8	24.9
10°	43.2	42.6	42.0	41.2	40.4	39.5	38.5	37.5	36.4	35.2	34.0
12.5°	55.1	54.2	53.2	52.1	50.9	49.7	48.5	47.2	45.8	44.3	42.7
15°	67.7	66.3	64.8	63.3	61.8	60.3	58.6	56.9	55.1	53.3	51.4
17.5°	79.9	78.4	76.6	74.7	72.7	70.6	68.5	66.4	64.3	62.1	59.9
20°	90.3	88.9	87.0	85.0	82.8	80.4	77.9	75.5	73.0	70.5	68.0
22.5°	97.7	96.8	95.7	94.2	92.3	89.8	87.0	83.9	80.8	78.1	75.4
25°	108.6	107.2	105.5	103.3	101.1	98.7	95.9	92.7	89.2	85.5	82.0
27.5°	121.3	119.8	117.8	115.4	112.6	109.3	106.0	102.0	97.9	93.5	89.2
30°	135.9	134.1	132.2	129.2	126.0	122.1	117.9	113.1	109.0	105.8	102.5
32.5°	153.3	149.4	146.4	143.6	140.6	136.6	132.4	128.3	124.1	119.8	116.2
35°	173.4	168.0	163.3	158.5	154.7	151.8	148.4	143.8	138.9	134.2	129.5
37.5°	194.7	187.8	181.2	176.5	171.5	166.9	162.8	158.7	153.8	148.3	143.0
40°	219.5	210.1	202.1	195.5	189.2	183.3	178.1	172.9	167.9	162.3	156.3
42.5°	248.8	237.0	225.8	216.7	208.3	200.6	193.5	187.7	181.7	175.8	169.5
45°	285.5	267.0	252.6	239.4	228.4	218.3	210.0	202.1	195.8	189.3	182.4
47.5°	325.9	303.4	282.9	263.9	249.9	237.3	226.6	217.5	209.3	202.5	195.4
50°	368.8	341.9	316.0	293.2	272.3	256.9	243.9	232.6	223.5	215.2	208.1
52.5°	417.2	383.3	351.3	323.4	298.5	276.5	261.2	248.3	237.5	227.9	225.8
55°	469.5	426.9	389.6	354.6	325.1	299.4	277.6	264.2	257.2	252.9	251.6
57.5°	523.4	473.6	428.3	388.4	352.4	322.5	302.2	288.0	279.6	275.8	275.2
60°	575.8	519.9	468.2	421.2	384.6	353.8	328.9	310.9	301.3	296.9	297.0
62.5°	625.8	562.3	508.4	461.1	418.3	383.1	355.7	335.0	321.6	315.5	316.8
65°	676.4	607.7	550.4	498.6	452.2	412.5	380.5	356.2	341.1	334.1	335.2
67.5°	734.3	657.3	592.1	534.4	483.0	438.4	404.1	378.1	361.0	352.1	351.7
70°	770.5	703.5	632.4	567.2	512.2	464.9	426.6	397.9	378.5	368.7	366.5
72.5°	800.3	735.8	665.9	599.0	538.6	487.6	445.9	416.2	394.4	384.9	381.9
75°	822.5	759.7	692.3	626.3	560.8	507.5	465.1	433.6	411.8	400.5	395.5
77.5°	843.4	778.1	710.2	648.0	583.7	528.8	485.3	451.4	427.9	415.2	409.4
80°	853.7	796.8	730.3	665.8	602.2	545.7	502.4	467.7	442.5	429.2	423.4
82.5°	864.1	813.3	745.4	680.0	615.9	558.5	516.8	482.3	455.8	442.5	437.4
85°	871.0	825.1	755.6	690.3	625.2	567.7	528.7	495.5	468.1	455.4	451.5
87.5°	874.2	834.4	763.1	698.7	632.0	574.9	539.3	507.9	479.8	468.0	465.5
90°	873.8	833.1	761.6	698.8	632.0	577.9	546.5	517.8	490.4	480.3	479.0
92.5°	874.2	834.4	763.1	698.7	632.0	574.9	539.3	507.9	479.8	468.0	465.5
95°	871.0	825.1	755.6	690.3	625.2	567.7	528.7	495.5	468.1	455.4	451.5
97.5°	864.1	813.3	745.4	680.0	615.9	558.5	516.8	482.3	455.8	442.5	437.4
100°	853.7	796.8	730.3	665.8	602.2	545.7	502.4	467.7	442.5	429.2	423.4
102.5°	843.4	778.1	710.2	648.0	583.7	528.8	485.3	451.4	427.9	415.2	409.4
105°	822.5	759.7	692.3	626.3	560.8	507.5	465.1	433.6	411.8	400.5	395.5
107.5°	800.3	735.8	665.9	599.0	538.6	487.6	445.9	416.2	394.4	384.9	381.9
110°	770.5	703.5	632.4	567.2	512.2	464.9	426.6	397.9	378.5	368.7	366.5



TEST NUMBER: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	734.3	657.3	592.1	534.4	483.0	438.4	404.1	378.1	361.0	352.1	351.7
115°	676.4	607.7	550.4	498.6	452.2	412.5	380.5	356.2	341.1	334.1	335.2
117.5°	625.8	562.3	508.4	461.1	418.3	383.1	355.7	335.0	321.6	315.5	316.8
120°	575.8	519.9	468.2	421.2	384.6	353.8	328.9	310.9	301.3	296.9	297.0
122.5°	523.4	473.6	428.3	388.4	352.4	322.5	302.2	288.0	279.6	275.8	275.2
125°	469.5	426.9	389.6	354.6	325.1	299.4	277.6	264.2	257.2	252.9	251.6
127.5°	417.2	383.3	351.3	323.4	298.5	276.5	261.2	248.3	237.5	227.9	225.8
130°	368.8	341.9	316.0	293.2	272.3	256.9	243.9	232.6	223.5	215.2	208.1
132.5°	325.9	303.4	282.9	263.9	249.9	237.3	226.6	217.5	209.3	202.5	195.4
135°	285.5	267.0	252.6	239.4	228.4	218.3	210.0	202.1	195.8	189.3	182.4
137.5°	248.8	237.0	225.8	216.7	208.3	200.6	193.5	187.7	181.7	175.8	169.5
140°	219.5	210.1	202.1	195.5	189.2	183.3	178.1	172.9	167.9	162.3	156.3
142.5°	194.7	187.8	181.2	176.5	171.5	166.9	162.8	158.7	153.8	148.3	143.0
145°	173.4	168.0	163.3	158.5	154.7	151.8	148.4	143.8	138.9	134.2	129.5
147.5°	153.3	149.4	146.4	143.6	140.6	136.6	132.4	128.3	124.1	119.8	116.2
150°	135.9	134.1	132.2	129.2	126.0	122.1	117.9	113.1	109.0	105.8	102.5
152.5°	121.3	119.8	117.8	115.4	112.6	109.3	106.0	102.0	97.9	93.5	89.2
155°	108.6	107.2	105.5	103.3	101.1	98.7	95.9	92.7	89.2	85.5	82.0
157.5°	97.7	96.8	95.7	94.2	92.3	89.8	87.0	83.9	80.8	78.1	75.4
160°	90.3	88.9	87.0	85.0	82.8	80.4	77.9	75.5	73.0	70.5	68.0
162.5°	79.9	78.4	76.6	74.7	72.7	70.6	68.5	66.4	64.3	62.1	59.9
165°	67.7	66.3	64.8	63.3	61.8	60.3	58.6	56.9	55.1	53.3	51.4
167.5°	55.1	54.2	53.2	52.1	50.9	49.7	48.5	47.2	45.8	44.3	42.7
170°	43.2	42.6	42.0	41.2	40.4	39.5	38.5	37.5	36.4	35.2	34.0
172.5°	31.7	31.3	30.8	30.3	29.7	29.0	28.3	27.5	26.7	25.8	24.9
175°	20.1	19.9	19.6	19.2	18.9	18.4	18.0	17.5	16.9	16.4	15.7
177.5°	9.1	9.0	8.9	8.8	8.7	8.5	8.4	8.2	8.0	7.8	7.6
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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	7.4	7.1	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.4
5°	15.1	14.4	13.7	13.2	12.6	12.0	11.4	10.8	10.2	9.5	8.8
7.5°	23.9	22.9	21.8	20.7	19.6	18.4	17.1	16.1	15.2	14.2	13.2
10°	32.7	31.4	30.1	28.5	26.9	25.3	23.7	22.0	20.2	18.8	17.5
12.5°	41.2	39.5	37.8	36.1	34.2	32.3	30.2	28.1	25.9	23.7	21.8
15°	49.5	47.4	45.6	43.3	41.2	39.0	36.7	34.2	31.6	28.9	26.1
17.5°	57.9	55.2	52.8	50.3	47.8	45.3	42.8	40.2	37.2	34.1	30.9
20°	65.4	62.8	60.1	57.3	54.4	51.4	48.6	45.7	42.8	39.3	35.6
22.5°	72.7	69.9	66.9	64.0	60.8	57.6	54.2	51.1	47.9	44.4	40.3
25°	78.9	76.1	73.3	70.1	68.2	66.0	63.6	61.0	58.4	55.5	51.7
27.5°	86.6	85.0	84.0	82.7	80.8	78.9	76.5	73.9	71.1	67.9	64.1
30°	99.9	97.3	95.5	94.4	93.0	91.1	89.0	86.5	84.0	80.3	76.5
32.5°	112.6	109.7	107.2	105.5	104.4	102.8	100.9	98.6	96.1	92.6	88.5
35°	125.4	121.6	118.8	116.4	115.1	114.1	112.3	110.5	108.0	105.0	100.6
37.5°	137.9	133.7	129.8	127.4	125.6	124.6	123.4	121.6	119.6	117.3	112.6
40°	150.6	145.3	141.2	137.6	135.9	134.7	134.1	132.6	130.9	128.9	124.6
42.5°	163.0	157.2	151.9	148.1	145.7	144.5	144.1	143.2	141.8	140.2	136.6
45°	175.5	168.6	163.0	158.4	154.9	154.1	153.8	153.6	152.5	151.2	148.6
47.5°	187.6	180.3	173.8	168.4	164.7	164.6	166.3	166.8	165.5	163.1	159.7
50°	200.0	193.0	192.9	192.7	191.4	189.1	187.5	184.9	181.0	176.1	170.6
52.5°	225.3	225.2	227.0	226.9	223.1	216.2	210.8	204.7	197.6	189.9	181.8
55°	252.7	255.0	258.8	262.3	256.9	246.4	236.0	225.9	215.3	204.5	193.6
57.5°	277.5	282.1	288.4	295.8	291.4	278.7	262.9	248.4	233.9	219.9	205.9
60°	300.2	306.8	316.0	326.3	326.8	312.8	291.3	272.3	253.7	235.9	218.7
62.5°	321.6	329.9	341.5	355.1	363.0	348.5	321.5	297.6	274.3	252.5	231.9
65°	341.5	351.4	365.0	382.5	399.5	383.7	353.5	323.8	295.7	269.6	245.4
67.5°	359.9	371.4	387.0	408.5	429.0	418.6	386.4	350.9	317.8	287.1	259.2
70°	376.9	390.8	408.9	431.6	450.7	441.5	405.6	364.4	327.4	293.5	263.5
72.5°	389.8	402.5	418.4	435.6	450.2	443.9	409.9	369.0	331.6	297.0	266.1
75°	399.4	411.2	426.8	441.8	451.5	446.2	413.0	372.8	335.4	300.2	268.5
77.5°	409.7	420.1	435.7	449.8	454.4	448.2	415.1	376.1	338.7	303.1	270.7
80°	420.7	429.3	444.9	459.2	458.4	450.0	416.2	378.7	341.6	305.8	272.6
82.5°	432.1	438.9	454.7	469.7	463.3	451.4	416.5	380.7	344.0	308.1	275.2
85°	443.9	448.7	464.8	480.9	468.7	453.6	417.0	383.2	346.9	310.9	276.1
87.5°	456.0	458.8	475.2	492.6	474.5	452.9	414.9	383.3	347.8	312.1	277.0
90°	468.3	469.7	486.4	503.7	479.7	452.3	412.9	383.5	348.7	313.3	277.9
92.5°	456.0	458.8	475.2	492.6	474.5	452.9	414.9	383.3	347.8	312.1	277.0
95°	443.9	448.7	464.8	480.9	468.7	453.6	417.0	383.2	346.9	310.9	276.1
97.5°	432.1	438.9	454.6	469.7	463.3	451.4	416.5	380.7	344.0	308.1	275.2
100°	420.7	429.3	444.9	459.2	458.4	450.0	416.2	378.7	341.6	305.8	272.6
102.5°	409.7	420.1	435.7	449.8	454.4	448.2	415.1	376.1	338.7	303.1	270.7
105°	399.4	411.2	426.8	441.8	451.5	446.2	413.0	372.8	335.4	300.2	268.5
107.5°	389.8	402.5	418.4	435.6	450.2	443.9	409.9	369.0	331.6	297.0	266.1
110°	376.9	390.8	408.9	431.6	450.7	441.5	405.6	364.4	327.4	293.5	263.5



TEST NUMBER: P231935

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	359.9	371.4	387.0	408.5	429.0	418.6	386.4	350.9	317.8	287.1	259.2
115°	341.5	351.4	365.0	382.5	399.5	383.7	353.5	323.8	295.7	269.6	245.4
117.5°	321.6	329.9	341.5	355.1	363.0	348.5	321.5	297.6	274.3	252.5	231.9
120°	300.2	306.8	316.0	326.3	326.8	312.8	291.3	272.3	253.7	235.9	218.7
122.5°	277.5	282.1	288.4	295.8	291.4	278.7	262.9	248.4	233.9	219.9	205.9
125°	252.7	255.0	258.8	262.3	256.9	246.4	236.0	225.9	215.3	204.5	193.6
127.5°	225.3	225.2	227.0	226.9	223.1	216.2	210.8	204.7	197.6	189.9	181.8
130°	200.0	193.0	192.9	192.7	191.4	189.1	187.5	184.9	181.0	176.1	170.6
132.5°	187.6	180.3	173.8	168.4	164.7	164.6	166.3	166.8	165.5	163.1	159.7
135°	175.5	168.6	163.0	158.4	154.9	154.1	153.8	153.6	152.5	151.2	148.6
137.5°	163.0	157.2	151.9	148.1	145.7	144.5	144.1	143.2	141.8	140.2	136.6
140°	150.6	145.3	141.2	137.6	135.9	134.7	134.1	132.6	130.9	128.9	124.6
142.5°	137.9	133.7	129.8	127.4	125.6	124.6	123.4	121.6	119.6	117.3	112.6
145°	125.4	121.6	118.8	116.4	115.1	114.1	112.3	110.5	108.0	105.0	100.6
147.5°	112.6	109.7	107.2	105.5	104.4	102.8	100.9	98.6	96.1	92.6	88.5
150°	99.9	97.3	95.5	94.4	93.0	91.1	89.0	86.5	84.0	80.3	76.5
152.5°	86.6	85.0	84.0	82.7	80.8	78.9	76.5	73.9	71.1	67.9	64.1
155°	78.9	76.1	73.3	70.1	68.2	66.0	63.6	61.0	58.4	55.5	51.7
157.5°	72.7	69.9	66.9	64.0	60.8	57.6	54.2	51.1	47.9	44.4	40.3
160°	65.4	62.8	60.1	57.3	54.4	51.4	48.6	45.7	42.8	39.3	35.6
162.5°	57.9	55.2	52.8	50.3	47.8	45.3	42.8	40.2	37.2	34.1	30.9
165°	49.5	47.4	45.6	43.3	41.2	39.0	36.7	34.2	31.6	28.9	26.1
167.5°	41.2	39.5	37.8	36.1	34.2	32.3	30.2	28.1	25.9	23.7	21.8
170°	32.7	31.4	30.1	28.5	26.9	25.3	23.7	22.0	20.2	18.8	17.5
172.5°	23.9	22.9	21.8	20.7	19.6	18.4	17.1	16.1	15.2	14.2	13.2
175°	15.1	14.4	13.7	13.2	12.6	12.0	11.4	10.8	10.2	9.5	8.8
177.5°	7.4	7.1	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.4
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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	4.1	3.7	3.3	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8
5°	8.1	7.4	6.7	5.9	5.9	5.9	5.8	5.8	5.7	5.7	5.6
7.5°	12.1	11.1	10.0	8.9	8.9	8.8	8.7	8.7	8.6	8.5	8.3
10°	16.1	14.7	13.3	11.9	11.8	11.7	11.6	11.5	11.4	11.2	11.0
12.5°	20.1	18.4	16.6	14.8	14.7	14.6	14.5	14.3	14.1	13.9	13.7
15°	24.0	22.0	19.9	17.8	17.7	17.5	17.3	17.1	16.9	16.6	16.3
17.5°	27.9	25.6	23.2	20.8	20.6	20.4	20.2	19.9	19.6	19.2	18.9
20°	31.9	29.2	26.5	23.7	23.5	23.3	23.0	22.7	22.3	21.9	21.6
22.5°	36.2	32.7	29.7	26.7	26.4	26.2	25.8	25.4	24.9	24.6	24.3
25°	47.5	43.5	40.2	36.6	36.0	35.2	34.2	33.1	31.9	30.9	29.8
27.5°	59.3	54.6	50.7	46.6	45.5	44.3	42.8	41.2	39.7	38.2	36.7
30°	71.2	65.7	61.2	56.5	55.0	53.4	51.3	49.1	47.2	45.2	43.1
32.5°	83.1	77.1	71.8	66.5	64.5	62.2	59.5	56.8	54.3	51.8	49.3
35°	95.0	88.4	82.4	76.4	73.8	71.0	67.6	64.4	61.2	58.2	55.2
37.5°	107.0	99.8	93.0	86.4	83.2	79.6	75.5	71.6	68.0	64.3	60.6
40°	118.9	111.2	103.7	96.3	92.5	88.1	83.3	78.7	74.3	70.2	65.7
42.5°	130.8	122.6	114.4	106.3	101.7	96.6	91.1	85.6	80.6	76.1	70.5
45°	142.4	134.0	125.1	116.2	110.9	104.9	98.4	92.3	86.8	81.1	75.0
47.5°	151.8	142.4	132.5	122.5	115.7	108.5	101.4	95.0	89.5	83.7	77.3
50°	161.2	150.7	139.8	128.8	120.3	111.8	103.8	96.8	90.9	84.8	78.0
52.5°	170.8	159.1	147.2	135.1	124.9	114.9	106.1	98.7	92.3	85.9	79.0
55°	180.7	167.4	154.7	141.4	129.3	118.0	108.4	100.5	93.7	87.2	80.5
57.5°	190.8	175.8	162.1	147.8	133.7	121.0	110.7	102.4	95.2	88.5	82.4
60°	201.1	184.2	169.6	154.1	138.1	123.9	112.9	104.2	96.7	90.2	84.8
62.5°	211.6	192.6	177.1	160.4	142.3	126.8	115.1	106.0	98.4	92.2	87.2
65°	222.2	201.0	184.6	166.7	146.6	129.6	117.4	107.8	100.1	94.4	90.0
67.5°	232.9	209.3	192.1	173.0	150.8	132.5	119.6	109.7	101.9	96.9	93.0
70°	236.2	211.9	192.5	172.1	149.8	131.4	118.4	108.6	101.3	97.1	93.7
72.5°	238.8	214.3	192.8	171.2	148.8	130.3	117.0	107.3	100.2	96.3	92.9
75°	241.2	216.7	193.9	170.3	147.8	129.3	115.7	106.1	99.2	95.6	92.3
77.5°	243.4	219.2	194.0	169.4	146.9	128.4	114.4	104.9	98.3	94.9	91.7
80°	245.4	222.4	194.1	168.6	146.0	127.6	113.2	103.8	97.5	94.3	91.1
82.5°	247.8	224.4	194.2	167.7	145.2	126.8	112.0	102.8	96.7	93.7	90.6
85°	249.2	226.5	194.2	166.8	144.4	126.1	110.9	101.9	96.1	93.2	90.2
87.5°	250.5	228.5	194.3	165.9	143.7	125.5	109.8	101.0	95.5	92.7	89.8
90°	251.9	230.5	194.4	165.0	143.0	124.9	108.9	100.2	94.9	92.2	89.5
92.5°	250.5	228.5	194.3	165.9	143.7	125.5	109.8	101.0	95.5	92.7	89.8
95°	249.2	226.5	194.2	166.8	144.4	126.1	110.9	101.9	96.1	93.2	90.2
97.5°	247.8	224.4	194.2	167.7	145.2	126.8	112.0	102.8	96.7	93.7	90.6
100°	245.4	222.4	194.1	168.6	146.0	127.6	113.2	103.8	97.5	94.3	91.1
102.5°	243.4	219.2	194.0	169.4	146.9	128.4	114.4	104.9	98.3	94.9	91.7
105°	241.2	216.7	193.9	170.3	147.8	129.3	115.7	106.1	99.2	95.6	92.3
107.5°	238.8	214.3	192.8	171.2	148.8	130.3	117.0	107.3	100.2	96.3	92.9
110°	236.2	211.9	192.5	172.1	149.8	131.4	118.4	108.6	101.3	97.1	93.7



TEST NUMBER: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	232.9	209.3	192.1	173.0	150.8	132.5	119.6	109.7	101.9	96.9	93.0
115°	222.2	201.0	184.6	166.7	146.6	129.6	117.4	107.8	100.1	94.4	90.0
117.5°	211.6	192.6	177.1	160.4	142.3	126.8	115.1	106.0	98.4	92.2	87.2
120°	201.1	184.2	169.6	154.1	138.1	123.9	112.9	104.2	96.7	90.2	84.8
122.5°	190.8	175.8	162.1	147.8	133.7	121.0	110.7	102.4	95.2	88.5	82.4
125°	180.7	167.4	154.7	141.4	129.3	118.0	108.4	100.5	93.7	87.2	80.5
127.5°	170.8	159.1	147.2	135.1	124.9	114.9	106.1	98.7	92.3	85.9	79.0
130°	161.2	150.7	139.8	128.8	120.3	111.8	103.8	96.8	90.9	84.8	78.0
132.5°	151.8	142.4	132.5	122.5	115.7	108.5	101.4	95.0	89.5	83.7	77.3
135°	142.4	134.0	125.1	116.2	110.9	104.9	98.4	92.3	86.8	81.1	75.0
137.5°	130.8	122.6	114.4	106.3	101.7	96.6	91.1	85.6	80.6	76.1	70.5
140°	118.9	111.2	103.7	96.3	92.5	88.1	83.3	78.7	74.3	70.2	65.7
142.5°	107.0	99.8	93.0	86.4	83.2	79.6	75.5	71.6	68.0	64.3	60.6
145°	95.0	88.4	82.4	76.4	73.8	71.0	67.6	64.4	61.2	58.2	55.2
147.5°	83.1	77.1	71.8	66.5	64.5	62.2	59.5	56.8	54.3	51.8	49.3
150°	71.2	65.7	61.2	56.5	55.0	53.4	51.3	49.1	47.2	45.2	43.1
152.5°	59.3	54.6	50.7	46.6	45.5	44.3	42.8	41.2	39.7	38.2	36.7
155°	47.5	43.5	40.2	36.6	36.0	35.2	34.2	33.1	31.9	30.9	29.8
157.5°	36.2	32.7	29.7	26.7	26.4	26.2	25.8	25.4	24.9	24.6	24.3
160°	31.9	29.2	26.5	23.7	23.5	23.3	23.0	22.7	22.3	21.9	21.6
162.5°	27.9	25.6	23.2	20.8	20.6	20.4	20.2	19.9	19.6	19.2	18.9
165°	24.0	22.0	19.9	17.8	17.7	17.5	17.3	17.1	16.9	16.6	16.3
167.5°	20.1	18.4	16.6	14.8	14.7	14.6	14.5	14.3	14.1	13.9	13.7
170°	16.1	14.7	13.3	11.9	11.8	11.7	11.6	11.5	11.4	11.2	11.0
172.5°	12.1	11.1	10.0	8.9	8.9	8.8	8.7	8.7	8.6	8.5	8.3
175°	8.1	7.4	6.7	5.9	5.9	5.9	5.8	5.8	5.7	5.7	5.6
177.5°	4.1	3.7	3.3	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8
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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1
5°	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2	4.1
7.5°	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.5	6.3	6.0
10°	10.8	10.6	10.3	10.1	9.8	9.5	9.3	9.0	8.7	8.4	8.0
12.5°	13.4	13.1	12.8	12.6	12.3	12.0	11.6	11.3	10.8	10.4	9.9
15°	16.0	15.7	15.4	15.1	14.7	14.3	13.8	13.3	12.8	12.3	11.7
17.5°	18.6	18.3	18.0	17.5	17.0	16.5	15.9	15.3	14.7	14.1	13.5
20°	21.3	21.0	20.4	19.8	19.2	18.6	18.0	17.3	16.7	16.1	15.5
22.5°	24.0	23.4	22.8	22.1	21.4	20.8	20.1	19.5	18.9	18.2	17.3
25°	28.5	27.1	25.7	24.4	23.6	23.0	22.4	21.7	20.9	19.9	19.0
27.5°	34.9	33.2	31.4	29.6	28.0	26.5	25.1	23.7	22.7	21.7	20.6
30°	41.0	38.8	36.5	34.3	32.2	30.2	28.3	26.5	24.9	23.5	22.2
32.5°	46.6	43.9	41.0	38.2	35.5	33.1	30.8	28.8	27.0	25.4	23.9
35°	51.8	48.4	44.7	41.3	38.1	35.3	32.8	30.6	28.7	26.9	25.1
37.5°	56.6	52.2	47.7	43.8	40.2	37.1	34.3	32.1	30.0	28.0	26.2
40°	60.9	55.3	50.3	45.8	41.9	38.4	35.8	33.4	31.0	29.1	27.5
42.5°	64.4	57.8	52.4	47.5	43.2	39.9	37.1	34.4	32.2	30.5	28.8
45°	67.4	60.3	54.1	48.9	44.6	41.2	38.1	35.5	33.7	31.8	30.0
47.5°	69.4	62.3	55.7	49.9	45.9	42.3	39.1	37.0	35.0	33.0	31.3
50°	70.4	63.7	57.5	52.0	47.6	43.5	40.6	38.4	36.3	34.4	32.6
52.5°	72.1	65.6	59.4	54.6	50.3	46.5	43.8	40.8	37.7	35.8	33.6
55°	74.1	67.9	61.8	57.4	53.3	50.4	48.0	44.9	41.4	38.0	34.7
57.5°	76.5	70.3	64.8	60.5	56.6	54.8	52.3	48.7	44.5	40.5	36.9
60°	79.1	72.9	67.9	63.8	60.9	59.5	56.9	52.0	47.1	42.6	38.5
62.5°	82.0	75.7	71.2	67.4	65.6	64.1	60.7	54.8	49.3	44.3	39.9
65°	84.9	79.0	74.6	71.1	70.6	69.0	63.9	57.3	51.2	45.8	41.0
67.5°	88.0	82.5	78.3	75.4	75.9	73.9	66.8	59.6	53.0	47.1	41.9
70°	89.2	84.6	81.3	80.1	80.8	78.1	69.5	61.6	54.6	48.2	42.6
72.5°	88.5	84.5	81.4	80.5	81.0	78.1	70.8	63.3	56.1	49.3	43.3
75°	88.1	84.5	81.4	80.7	80.6	77.2	71.1	64.2	56.9	50.2	44.1
77.5°	87.8	84.7	81.4	80.7	80.1	77.0	72.1	65.3	57.9	51.3	45.1
80°	87.7	85.0	81.5	80.6	79.7	77.3	73.6	66.6	59.2	52.7	46.2
82.5°	87.7	85.3	81.6	80.3	79.3	78.0	75.6	68.1	60.7	54.4	47.5
85°	87.8	85.8	81.7	80.1	78.9	79.0	77.8	69.9	62.5	56.3	49.0
87.5°	88.0	86.3	81.9	79.8	78.5	80.3	80.3	71.9	64.5	58.4	50.8
90°	88.2	86.8	82.2	79.5	78.2	81.5	82.8	74.2	66.8	60.8	52.8
92.5°	88.0	86.3	81.9	79.8	78.5	80.3	80.3	71.9	64.5	58.4	50.8
95°	87.8	85.8	81.7	80.1	78.9	79.0	77.8	69.9	62.5	56.3	49.0
97.5°	87.7	85.3	81.6	80.3	79.3	78.0	75.6	68.1	60.7	54.4	47.5
100°	87.7	85.0	81.5	80.6	79.7	77.3	73.6	66.6	59.2	52.7	46.2
102.5°	87.8	84.7	81.4	80.7	80.1	77.0	72.1	65.3	57.9	51.3	45.1
105°	88.1	84.5	81.4	80.7	80.6	77.2	71.1	64.2	56.9	50.2	44.1
107.5°	88.5	84.5	81.4	80.5	81.0	78.1	70.8	63.3	56.1	49.3	43.3
110°	89.2	84.6	81.3	80.1	80.8	78.1	69.5	61.6	54.6	48.2	42.6



TEST NUMBER: P231935

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	88.0	82.5	78.3	75.4	75.9	73.9	66.8	59.6	53.0	47.1	41.9
115°	84.9	79.0	74.6	71.1	70.6	69.0	63.9	57.3	51.2	45.8	41.0
117.5°	82.0	75.7	71.2	67.4	65.6	64.1	60.7	54.8	49.3	44.3	39.9
120°	79.1	72.9	67.9	63.8	60.9	59.5	56.9	52.0	47.1	42.6	38.5
122.5°	76.5	70.3	64.8	60.5	56.6	54.8	52.3	48.7	44.5	40.5	36.9
125°	74.1	67.9	61.8	57.4	53.3	50.4	48.0	44.9	41.4	38.0	34.7
127.5°	72.1	65.6	59.4	54.6	50.3	46.5	43.8	40.8	37.7	35.8	33.6
130°	70.4	63.7	57.5	52.0	47.6	43.5	40.6	38.4	36.3	34.4	32.6
132.5°	69.4	62.3	55.7	49.9	45.9	42.3	39.1	37.0	35.0	33.0	31.3
135°	67.4	60.3	54.1	48.9	44.6	41.2	38.1	35.5	33.7	31.8	30.0
137.5°	64.4	57.8	52.4	47.5	43.2	39.9	37.1	34.4	32.2	30.5	28.8
140°	60.9	55.3	50.3	45.8	41.9	38.4	35.8	33.4	31.0	29.1	27.5
142.5°	56.6	52.2	47.7	43.8	40.2	37.1	34.3	32.1	30.0	28.0	26.2
145°	51.8	48.4	44.7	41.3	38.1	35.3	32.8	30.6	28.7	26.9	25.1
147.5°	46.6	43.9	41.0	38.2	35.5	33.1	30.8	28.8	27.0	25.4	23.9
150°	41.0	38.8	36.5	34.3	32.2	30.2	28.3	26.5	24.9	23.5	22.2
152.5°	34.9	33.2	31.4	29.6	28.0	26.5	25.1	23.7	22.7	21.7	20.6
155°	28.5	27.1	25.7	24.4	23.6	23.0	22.4	21.7	20.9	19.9	19.0
157.5°	24.0	23.4	22.8	22.1	21.4	20.8	20.1	19.5	18.9	18.2	17.3
160°	21.3	21.0	20.4	19.8	19.2	18.6	18.0	17.3	16.7	16.1	15.5
162.5°	18.6	18.3	18.0	17.5	17.0	16.5	15.9	15.3	14.7	14.1	13.5
165°	16.0	15.7	15.4	15.1	14.7	14.3	13.8	13.3	12.8	12.3	11.7
167.5°	13.4	13.1	12.8	12.6	12.3	12.0	11.6	11.3	10.8	10.4	9.9
170°	10.8	10.6	10.3	10.1	9.8	9.5	9.3	9.0	8.7	8.4	8.0
172.5°	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.5	6.3	6.0
175°	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2	4.1
177.5°	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1
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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	2.0	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0	0.9
5°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
7.5°	5.7	5.5	5.2	4.9	4.6	4.3	3.9	3.6	3.3	2.9	2.6
10°	7.7	7.3	6.9	6.5	6.0	5.6	5.2	4.7	4.3	3.8	3.3
12.5°	9.4	8.9	8.4	7.9	7.4	6.9	6.3	5.8	5.2	4.7	4.1
15°	11.2	10.6	10.0	9.4	8.8	8.2	7.6	6.9	6.3	5.6	4.9
17.5°	12.9	12.3	11.6	11.0	10.3	9.6	8.8	8.1	7.3	6.5	5.7
20°	14.8	14.1	13.3	12.4	11.6	10.8	9.9	9.0	8.2	7.3	6.4
22.5°	16.5	15.6	14.7	13.8	12.8	11.9	10.9	10.0	9.0	8.0	7.0
25°	18.0	17.1	16.1	15.1	14.0	13.0	12.0	10.9	9.8	8.7	7.6
27.5°	19.6	18.5	17.4	16.3	15.1	13.9	12.7	11.5	10.3	9.2	8.1
30°	21.1	19.9	18.5	17.2	15.9	14.7	13.5	12.3	11.1	9.9	8.7
32.5°	22.4	20.8	19.4	18.2	16.9	15.7	14.4	13.1	11.8	10.5	9.2
35°	23.4	22.0	20.7	19.3	18.0	16.7	15.3	13.9	12.6	11.2	9.7
37.5°	24.7	23.3	21.8	20.5	19.1	17.6	16.1	14.5	12.9	11.4	10.0
40°	26.0	24.4	23.0	21.5	19.9	18.2	16.5	14.9	13.5	12.0	10.4
42.5°	27.2	25.6	24.1	22.2	20.4	18.8	17.2	15.6	13.8	12.1	10.5
45°	28.4	26.7	24.7	22.9	21.2	19.4	17.6	15.8	14.1	12.5	11.0
47.5°	29.5	27.5	25.5	23.7	21.7	19.8	18.0	16.3	14.7	13.1	11.5
50°	30.4	28.3	26.3	24.2	22.2	20.3	18.5	16.9	15.2	13.6	11.9
52.5°	31.3	29.2	26.9	24.8	22.8	20.9	19.2	17.5	15.8	14.0	12.3
55°	32.2	29.9	27.6	25.4	23.5	21.7	19.9	18.1	16.2	14.3	12.4
57.5°	33.6	30.7	28.3	26.2	24.4	22.5	20.4	18.4	16.4	14.3	12.2
60°	34.9	31.8	29.2	27.2	25.2	23.0	20.8	18.7	16.5	14.2	12.1
62.5°	36.0	32.5	29.9	27.7	25.7	23.4	21.3	19.0	16.6	14.2	12.1
65°	36.7	33.2	30.3	27.9	25.4	23.6	21.8	19.1	16.4	13.9	11.5
67.5°	37.3	33.5	30.6	27.7	25.2	23.1	21.1	18.7	16.0	13.4	10.9
70°	37.8	33.9	30.6	27.4	24.7	22.3	19.8	17.5	15.3	12.7	10.1
72.5°	38.1	34.1	30.5	27.1	24.1	21.4	18.7	16.3	14.0	11.7	9.4
75°	38.6	34.3	30.3	26.5	23.5	20.4	17.8	15.3	12.9	10.5	8.6
77.5°	39.5	34.7	30.2	26.2	22.8	19.6	17.1	14.5	12.0	9.8	7.8
80°	40.4	35.1	30.3	26.0	22.2	18.9	16.3	13.9	11.4	9.3	6.8
82.5°	41.4	35.6	30.4	25.8	21.5	18.0	15.2	12.7	10.7	8.4	5.6
85°	42.5	36.2	30.7	25.7	21.0	17.2	14.2	11.8	9.9	7.5	5.0
87.5°	43.8	37.0	31.3	25.7	20.7	16.5	13.3	11.1	9.2	7.2	5.0
90°	45.4	38.1	32.1	26.1	20.7	16.0	12.7	10.7	8.7	7.3	5.3
92.5°	43.8	37.0	31.3	25.7	20.7	16.5	13.3	11.1	9.2	7.2	5.0
95°	42.5	36.2	30.7	25.7	21.0	17.2	14.2	11.8	9.9	7.5	5.0
97.5°	41.4	35.6	30.4	25.8	21.5	18.0	15.2	12.7	10.7	8.4	5.6
100°	40.4	35.1	30.3	26.0	22.2	18.9	16.3	13.9	11.4	9.3	6.8
102.5°	39.5	34.7	30.2	26.2	22.8	19.6	17.1	14.5	12.0	9.8	7.8
105°	38.6	34.3	30.3	26.5	23.5	20.4	17.8	15.3	12.9	10.5	8.6
107.5°	38.1	34.1	30.5	27.1	24.1	21.4	18.7	16.3	14.0	11.7	9.4
110°	37.8	33.9	30.6	27.4	24.7	22.3	19.8	17.5	15.3	12.7	10.1



TEST NUMBER: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	37.3	33.5	30.6	27.7	25.2	23.1	21.1	18.7	16.0	13.4	10.9
115°	36.7	33.2	30.3	27.9	25.4	23.6	21.8	19.1	16.4	13.9	11.5
117.5°	36.0	32.5	29.9	27.7	25.7	23.4	21.3	19.0	16.6	14.2	12.1
120°	34.9	31.8	29.2	27.2	25.2	23.0	20.8	18.7	16.5	14.2	12.1
122.5°	33.6	30.7	28.3	26.2	24.4	22.5	20.4	18.4	16.4	14.3	12.2
125°	32.2	29.9	27.6	25.4	23.5	21.7	19.9	18.1	16.2	14.3	12.4
127.5°	31.3	29.2	26.9	24.8	22.8	20.9	19.2	17.5	15.8	14.0	12.3
130°	30.4	28.3	26.3	24.2	22.2	20.3	18.5	16.9	15.2	13.6	11.9
132.5°	29.5	27.5	25.5	23.7	21.7	19.8	18.0	16.3	14.7	13.1	11.5
135°	28.4	26.7	24.7	22.9	21.2	19.4	17.6	15.8	14.1	12.5	11.0
137.5°	27.2	25.6	24.1	22.2	20.4	18.8	17.2	15.6	13.8	12.1	10.5
140°	26.0	24.4	23.0	21.5	19.9	18.2	16.5	14.9	13.5	12.0	10.4
142.5°	24.7	23.3	21.8	20.5	19.1	17.6	16.1	14.5	12.9	11.4	10.0
145°	23.4	22.0	20.7	19.3	18.0	16.7	15.3	13.9	12.6	11.2	9.7
147.5°	22.4	20.8	19.4	18.2	16.9	15.7	14.4	13.1	11.8	10.5	9.2
150°	21.1	19.9	18.5	17.2	15.9	14.7	13.5	12.3	11.1	9.9	8.7
152.5°	19.6	18.5	17.4	16.3	15.1	13.9	12.7	11.5	10.3	9.2	8.1
155°	18.0	17.1	16.1	15.1	14.0	13.0	12.0	10.9	9.8	8.7	7.6
157.5°	16.5	15.6	14.7	13.8	12.8	11.9	10.9	10.0	9.0	8.0	7.0
160°	14.8	14.1	13.3	12.4	11.6	10.8	9.9	9.0	8.2	7.3	6.4
162.5°	12.9	12.3	11.6	11.0	10.3	9.6	8.8	8.1	7.3	6.5	5.7
165°	11.2	10.6	10.0	9.4	8.8	8.2	7.6	6.9	6.3	5.6	4.9
167.5°	9.4	8.9	8.4	7.9	7.4	6.9	6.3	5.8	5.2	4.7	4.1
170°	7.7	7.3	6.9	6.5	6.0	5.6	5.2	4.7	4.3	3.8	3.3
172.5°	5.7	5.5	5.2	4.9	4.6	4.3	3.9	3.6	3.3	2.9	2.6
175°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
177.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0	0.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	0.8	0.6	0.5	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.5
5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0	0.2	0.5	0.7	1.0
7.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.5
10°	2.9	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
12.5°	3.5	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
15°	4.2	3.6	2.9	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.9
17.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0	0.8	1.6	2.5	3.3
20°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
22.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
25°	6.5	5.4	4.3	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.3
27.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
30°	7.4	6.2	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
32.5°	7.9	6.6	5.3	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.3
35°	8.3	6.9	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
37.5°	8.5	7.1	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
40°	8.8	7.3	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
42.5°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
45°	9.4	8.0	6.5	5.0	3.6	2.2	0.7	2.2	3.6	5.0	6.5
47.5°	10.0	8.4	6.9	5.3	3.8	2.2	0.7	2.2	3.8	5.3	6.9
50°	10.3	8.7	7.1	5.5	3.9	2.3	0.7	2.3	3.9	5.5	7.1
52.5°	10.6	8.8	7.1	5.4	3.8	2.3	0.7	2.3	3.8	5.4	7.1
55°	10.4	8.6	6.9	5.2	3.7	2.2	0.7	2.2	3.7	5.2	6.9
57.5°	10.1	8.4	6.8	5.3	3.7	2.2	0.7	2.2	3.7	5.3	6.8
60°	10.2	8.5	6.7	5.1	3.6	2.1	0.7	2.1	3.6	5.1	6.7
62.5°	10.0	8.0	6.3	4.8	3.3	2.0	0.7	2.0	3.3	4.8	6.3
65°	9.4	7.5	5.8	4.3	3.0	1.8	0.7	1.8	3.0	4.3	5.8
67.5°	8.7	6.8	5.1	3.7	2.6	1.6	0.7	1.6	2.6	3.7	5.1
70°	7.9	6.1	4.4	3.0	2.1	1.3	0.7	1.3	2.1	3.0	4.4
72.5°	7.3	5.6	3.9	2.4	1.7	1.2	0.7	1.2	1.7	2.4	3.9
75°	7.1	5.2	3.5	2.1	1.4	1.0	0.7	1.0	1.4	2.1	3.5
77.5°	6.2	4.7	2.9	1.5	0.5	0.1	0.0	0.1	0.5	1.5	2.9
80°	4.8	3.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
82.5°	3.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.8	3.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
102.5°	6.2	4.7	2.9	1.5	0.5	0.1	0.0	0.1	0.5	1.5	2.9
105°	7.1	5.2	3.5	2.1	1.4	1.0	0.7	1.0	1.4	2.1	3.5
107.5°	7.3	5.6	3.9	2.4	1.7	1.2	0.7	1.2	1.7	2.4	3.9
110°	7.9	6.1	4.4	3.0	2.1	1.3	0.7	1.3	2.1	3.0	4.4



TEST NUMBER: P231935

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	8.7	6.8	5.1	3.7	2.6	1.6	0.7	1.6	2.6	3.7	5.1
115°	9.4	7.5	5.8	4.3	3.0	1.8	0.7	1.8	3.0	4.3	5.8
117.5°	10.0	8.0	6.3	4.8	3.3	2.0	0.7	2.0	3.3	4.8	6.3
120°	10.2	8.5	6.7	5.1	3.6	2.1	0.7	2.1	3.6	5.1	6.7
122.5°	10.1	8.4	6.8	5.3	3.7	2.2	0.7	2.2	3.7	5.3	6.8
125°	10.4	8.6	6.9	5.2	3.7	2.2	0.7	2.2	3.7	5.2	6.9
127.5°	10.6	8.8	7.1	5.4	3.8	2.3	0.7	2.3	3.8	5.4	7.1
130°	10.3	8.7	7.1	5.5	3.9	2.3	0.7	2.3	3.9	5.5	7.1
132.5°	10.0	8.4	6.9	5.3	3.8	2.2	0.7	2.2	3.8	5.3	6.9
135°	9.4	8.0	6.5	5.0	3.6	2.2	0.7	2.2	3.6	5.0	6.5
137.5°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
140°	8.8	7.3	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
142.5°	8.5	7.1	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
145°	8.3	6.9	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
147.5°	7.9	6.6	5.3	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.3
150°	7.4	6.2	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
152.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
155°	6.5	5.4	4.3	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.3
157.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
160°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
162.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0	0.8	1.6	2.5	3.3
165°	4.2	3.6	2.9	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.9
167.5°	3.5	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
170°	2.9	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
172.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.5
175°	1.5	1.2	1.0	0.7	0.5	0.2	0.0	0.2	0.5	0.7	1.0
177.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.5
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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	0.6	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8
5°	1.2	1.5	1.7	1.9	2.2	2.4	2.6	2.8	3.1	3.3	3.5
7.5°	1.8	2.2	2.6	2.9	3.3	3.6	3.9	4.3	4.6	4.9	5.2
10°	2.4	2.9	3.3	3.8	4.3	4.7	5.2	5.6	6.0	6.5	6.9
12.5°	3.0	3.5	4.1	4.7	5.2	5.8	6.3	6.9	7.4	7.9	8.4
15°	3.6	4.2	4.9	5.6	6.3	6.9	7.6	8.2	8.8	9.4	10.0
17.5°	4.1	4.9	5.7	6.5	7.3	8.1	8.8	9.6	10.3	11.0	11.6
20°	4.6	5.5	6.4	7.3	8.2	9.0	9.9	10.8	11.6	12.4	13.3
22.5°	5.0	6.0	7.0	8.0	9.0	10.0	10.9	11.9	12.8	13.8	14.7
25°	5.4	6.5	7.6	8.7	9.8	10.9	12.0	13.0	14.0	15.1	16.1
27.5°	5.8	6.9	8.1	9.2	10.3	11.5	12.7	13.9	15.1	16.3	17.4
30°	6.2	7.4	8.7	9.9	11.1	12.3	13.5	14.7	15.9	17.2	18.5
32.5°	6.6	7.9	9.2	10.5	11.8	13.1	14.4	15.7	16.9	18.2	19.4
35°	6.9	8.3	9.7	11.2	12.6	13.9	15.3	16.7	18.0	19.3	20.7
37.5°	7.1	8.5	10.0	11.4	12.9	14.5	16.1	17.6	19.1	20.5	21.8
40°	7.3	8.8	10.4	12.0	13.5	14.9	16.5	18.2	19.9	21.5	23.0
42.5°	7.5	9.0	10.5	12.1	13.8	15.6	17.2	18.8	20.4	22.2	24.1
45°	8.0	9.4	11.0	12.5	14.1	15.8	17.6	19.4	21.2	22.9	24.7
47.5°	8.4	10.0	11.5	13.1	14.7	16.3	18.0	19.8	21.7	23.7	25.5
50°	8.7	10.3	11.9	13.6	15.2	16.9	18.5	20.3	22.2	24.2	26.3
52.5°	8.8	10.6	12.3	14.0	15.8	17.5	19.2	20.9	22.8	24.8	26.9
55°	8.6	10.4	12.4	14.3	16.2	18.1	19.9	21.7	23.5	25.4	27.6
57.5°	8.4	10.1	12.2	14.3	16.4	18.4	20.4	22.5	24.4	26.2	28.3
60°	8.5	10.2	12.1	14.2	16.5	18.7	20.8	23.0	25.2	27.2	29.2
62.5°	8.0	10.0	12.1	14.2	16.6	19.0	21.3	23.4	25.7	27.7	29.9
65°	7.5	9.4	11.5	13.9	16.4	19.1	21.8	23.6	25.4	27.9	30.3
67.5°	6.8	8.7	10.9	13.4	16.0	18.7	21.1	23.1	25.2	27.7	30.6
70°	6.1	7.9	10.1	12.7	15.3	17.5	19.8	22.3	24.7	27.4	30.6
72.5°	5.6	7.3	9.4	11.7	14.0	16.3	18.7	21.4	24.1	27.1	30.5
75°	5.2	7.1	8.6	10.5	12.9	15.3	17.8	20.4	23.5	26.5	30.3
77.5°	4.7	6.2	7.8	9.8	12.0	14.5	17.1	19.6	22.8	26.2	30.2
80°	3.2	4.8	6.8	9.3	11.4	13.9	16.3	18.9	22.2	26.0	30.3
82.5°	1.5	3.4	5.6	8.4	10.7	12.7	15.2	18.0	21.5	25.8	30.4
85°	0.5	2.4	5.0	7.5	9.9	11.8	14.2	17.2	21.0	25.7	30.7
87.5°	0.2	2.3	5.0	7.2	9.2	11.1	13.3	16.5	20.7	25.7	31.3
90°	0.0	2.7	5.3	7.3	8.7	10.7	12.7	16.0	20.7	26.1	32.1
92.5°	0.2	2.3	5.0	7.2	9.2	11.1	13.3	16.5	20.7	25.7	31.3
95°	0.5	2.4	5.0	7.5	9.9	11.8	14.2	17.2	21.0	25.7	30.7
97.5°	1.5	3.4	5.6	8.4	10.7	12.7	15.2	18.0	21.5	25.8	30.4
100°	3.2	4.8	6.8	9.3	11.4	13.9	16.3	18.9	22.2	26.0	30.3
102.5°	4.7	6.2	7.8	9.8	12.0	14.5	17.1	19.6	22.8	26.2	30.2
105°	5.2	7.1	8.6	10.5	12.9	15.3	17.8	20.4	23.5	26.5	30.3
107.5°	5.6	7.3	9.4	11.7	14.0	16.3	18.7	21.4	24.1	27.1	30.5
110°	6.1	7.9	10.1	12.7	15.3	17.5	19.8	22.3	24.7	27.4	30.6



TEST NUMBER: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	6.8	8.7	10.9	13.4	16.0	18.7	21.1	23.1	25.2	27.7	30.6
115°	7.5	9.4	11.5	13.9	16.4	19.1	21.8	23.6	25.4	27.9	30.3
117.5°	8.0	10.0	12.1	14.2	16.6	19.0	21.3	23.4	25.7	27.7	29.9
120°	8.5	10.2	12.1	14.2	16.5	18.7	20.8	23.0	25.2	27.2	29.2
122.5°	8.4	10.1	12.2	14.3	16.4	18.4	20.4	22.5	24.4	26.2	28.3
125°	8.6	10.4	12.4	14.3	16.2	18.1	19.9	21.7	23.5	25.4	27.6
127.5°	8.8	10.6	12.3	14.0	15.8	17.5	19.2	20.9	22.8	24.8	26.9
130°	8.7	10.3	11.9	13.6	15.2	16.9	18.5	20.3	22.2	24.2	26.3
132.5°	8.4	10.0	11.5	13.1	14.7	16.3	18.0	19.8	21.7	23.7	25.5
135°	8.0	9.4	11.0	12.5	14.1	15.8	17.6	19.4	21.2	22.9	24.7
137.5°	7.5	9.0	10.5	12.1	13.8	15.6	17.2	18.8	20.4	22.2	24.1
140°	7.3	8.8	10.4	12.0	13.5	14.9	16.5	18.2	19.9	21.5	23.0
142.5°	7.1	8.5	10.0	11.4	12.9	14.5	16.1	17.6	19.1	20.5	21.8
145°	6.9	8.3	9.7	11.2	12.6	13.9	15.3	16.7	18.0	19.3	20.7
147.5°	6.6	7.9	9.2	10.5	11.8	13.1	14.4	15.7	16.9	18.2	19.4
150°	6.2	7.4	8.7	9.9	11.1	12.3	13.5	14.7	15.9	17.2	18.5
152.5°	5.8	6.9	8.1	9.2	10.3	11.5	12.7	13.9	15.1	16.3	17.4
155°	5.4	6.5	7.6	8.7	9.8	10.9	12.0	13.0	14.0	15.1	16.1
157.5°	5.0	6.0	7.0	8.0	9.0	10.0	10.9	11.9	12.8	13.8	14.7
160°	4.6	5.5	6.4	7.3	8.2	9.0	9.9	10.8	11.6	12.4	13.3
162.5°	4.1	4.9	5.7	6.5	7.3	8.1	8.8	9.6	10.3	11.0	11.6
165°	3.6	4.2	4.9	5.6	6.3	6.9	7.6	8.2	8.8	9.4	10.0
167.5°	3.0	3.5	4.1	4.7	5.2	5.8	6.3	6.9	7.4	7.9	8.4
170°	2.4	2.9	3.3	3.8	4.3	4.7	5.2	5.6	6.0	6.5	6.9
172.5°	1.8	2.2	2.6	2.9	3.3	3.6	3.9	4.3	4.6	4.9	5.2
175°	1.2	1.5	1.7	1.9	2.2	2.4	2.6	2.8	3.1	3.3	3.5
177.5°	0.6	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7
5°	3.7	3.9	4.1	4.2	4.4	4.6	4.7	4.9	5.0	5.2	5.3
7.5°	5.5	5.7	6.0	6.3	6.5	6.8	7.0	7.2	7.4	7.6	7.8
10°	7.3	7.7	8.0	8.4	8.7	9.0	9.3	9.5	9.8	10.1	10.3
12.5°	8.9	9.4	9.9	10.4	10.8	11.3	11.6	12.0	12.3	12.6	12.8
15°	10.6	11.2	11.7	12.3	12.8	13.3	13.8	14.3	14.7	15.1	15.4
17.5°	12.3	12.9	13.5	14.1	14.7	15.3	15.9	16.5	17.0	17.5	18.0
20°	14.1	14.8	15.5	16.1	16.7	17.3	18.0	18.6	19.2	19.8	20.4
22.5°	15.6	16.5	17.3	18.2	18.9	19.5	20.1	20.8	21.4	22.1	22.8
25°	17.1	18.0	19.0	19.9	20.9	21.7	22.4	23.0	23.6	24.4	25.7
27.5°	18.5	19.6	20.6	21.7	22.7	23.7	25.1	26.5	28.0	29.6	31.4
30°	19.9	21.1	22.2	23.5	24.9	26.5	28.3	30.2	32.2	34.3	36.5
32.5°	20.8	22.4	23.9	25.4	27.0	28.8	30.8	33.1	35.5	38.2	41.0
35°	22.0	23.4	25.1	26.9	28.7	30.6	32.8	35.3	38.1	41.3	44.7
37.5°	23.3	24.7	26.2	28.0	30.0	32.1	34.3	37.1	40.2	43.8	47.7
40°	24.4	26.0	27.5	29.1	31.0	33.4	35.8	38.4	41.9	45.8	50.3
42.5°	25.6	27.2	28.8	30.5	32.2	34.4	37.1	39.9	43.2	47.5	52.4
45°	26.7	28.4	30.0	31.8	33.7	35.5	38.1	41.2	44.6	48.9	54.1
47.5°	27.5	29.5	31.3	33.0	35.0	37.0	39.1	42.3	45.9	49.9	55.7
50°	28.3	30.4	32.6	34.4	36.3	38.4	40.6	43.5	47.6	52.0	57.5
52.5°	29.2	31.3	33.6	35.8	37.7	40.8	43.8	46.5	50.3	54.6	59.4
55°	29.9	32.2	34.7	38.0	41.4	44.9	48.0	50.4	53.3	57.4	61.8
57.5°	30.7	33.6	36.9	40.5	44.5	48.7	52.3	54.8	56.6	60.5	64.8
60°	31.8	34.9	38.5	42.6	47.1	52.0	56.9	59.5	60.9	63.8	67.9
62.5°	32.5	36.0	39.9	44.3	49.3	54.8	60.7	64.1	65.6	67.4	71.2
65°	33.2	36.7	41.0	45.8	51.2	57.3	63.9	69.0	70.6	71.1	74.6
67.5°	33.5	37.3	41.9	47.1	53.0	59.6	66.8	73.9	75.9	75.4	78.3
70°	33.9	37.8	42.6	48.2	54.6	61.6	69.5	78.1	80.8	80.1	81.3
72.5°	34.1	38.1	43.3	49.3	56.1	63.3	70.8	78.1	81.0	80.5	81.4
75°	34.3	38.6	44.1	50.2	56.9	64.2	71.1	77.2	80.6	80.7	81.4
77.5°	34.7	39.5	45.1	51.3	57.9	65.3	72.1	77.0	80.1	80.7	81.4
80°	35.1	40.4	46.2	52.7	59.2	66.6	73.6	77.3	79.7	80.6	81.5
82.5°	35.6	41.4	47.5	54.4	60.7	68.1	75.6	78.0	79.3	80.3	81.6
85°	36.2	42.5	49.0	56.3	62.5	69.9	77.8	79.0	78.9	80.1	81.7
87.5°	37.0	43.8	50.8	58.4	64.5	71.9	80.3	80.3	78.5	79.8	81.9
90°	38.1	45.4	52.8	60.8	66.8	74.2	82.8	81.5	78.2	79.5	82.2
92.5°	37.0	43.8	50.8	58.4	64.5	71.9	80.3	80.3	78.5	79.8	81.9
95°	36.2	42.5	49.0	56.3	62.5	69.9	77.8	79.0	78.9	80.1	81.7
97.5°	35.6	41.4	47.5	54.4	60.7	68.1	75.6	78.0	79.3	80.3	81.6
100°	35.1	40.4	46.2	52.7	59.2	66.6	73.6	77.3	79.7	80.6	81.5
102.5°	34.7	39.5	45.1	51.3	57.9	65.3	72.1	77.0	80.1	80.7	81.4
105°	34.3	38.6	44.1	50.2	56.9	64.2	71.1	77.2	80.6	80.7	81.4
107.5°	34.1	38.1	43.3	49.3	56.1	63.3	70.8	78.1	81.0	80.5	81.4
110°	33.9	37.8	42.6	48.2	54.6	61.6	69.5	78.1	80.8	80.1	81.3



TEST NUMBER: P231935

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	33.5	37.3	41.9	47.1	53.0	59.6	66.8	73.9	75.9	75.4	78.3
115°	33.2	36.7	41.0	45.8	51.2	57.3	63.9	69.0	70.6	71.1	74.6
117.5°	32.5	36.0	39.9	44.3	49.3	54.8	60.7	64.1	65.6	67.4	71.2
120°	31.8	34.9	38.5	42.6	47.1	52.0	56.9	59.5	60.9	63.8	67.9
122.5°	30.7	33.6	36.9	40.5	44.5	48.7	52.3	54.8	56.6	60.5	64.8
125°	29.9	32.2	34.7	38.0	41.4	44.9	48.0	50.4	53.3	57.4	61.8
127.5°	29.2	31.3	33.6	35.8	37.7	40.8	43.8	46.5	50.3	54.6	59.4
130°	28.3	30.4	32.6	34.4	36.3	38.4	40.6	43.5	47.6	52.0	57.5
132.5°	27.5	29.5	31.3	33.0	35.0	37.0	39.1	42.3	45.9	49.9	55.7
135°	26.7	28.4	30.0	31.8	33.7	35.5	38.1	41.2	44.6	48.9	54.1
137.5°	25.6	27.2	28.8	30.5	32.2	34.4	37.1	39.9	43.2	47.5	52.4
140°	24.4	26.0	27.5	29.1	31.0	33.4	35.8	38.4	41.9	45.8	50.3
142.5°	23.3	24.7	26.2	28.0	30.0	32.1	34.3	37.1	40.2	43.8	47.7
145°	22.0	23.4	25.1	26.9	28.7	30.6	32.8	35.3	38.1	41.3	44.7
147.5°	20.8	22.4	23.9	25.4	27.0	28.8	30.8	33.1	35.5	38.2	41.0
150°	19.9	21.1	22.2	23.5	24.9	26.5	28.3	30.2	32.2	34.3	36.5
152.5°	18.5	19.6	20.6	21.7	22.7	23.7	25.1	26.5	28.0	29.6	31.4
155°	17.1	18.0	19.0	19.9	20.9	21.7	22.4	23.0	23.6	24.4	25.7
157.5°	15.6	16.5	17.3	18.2	18.9	19.5	20.1	20.8	21.4	22.1	22.8
160°	14.1	14.8	15.5	16.1	16.7	17.3	18.0	18.6	19.2	19.8	20.4
162.5°	12.3	12.9	13.5	14.1	14.7	15.3	15.9	16.5	17.0	17.5	18.0
165°	10.6	11.2	11.7	12.3	12.8	13.3	13.8	14.3	14.7	15.1	15.4
167.5°	8.9	9.4	9.9	10.4	10.8	11.3	11.6	12.0	12.3	12.6	12.8
170°	7.3	7.7	8.0	8.4	8.7	9.0	9.3	9.5	9.8	10.1	10.3
172.5°	5.5	5.7	6.0	6.3	6.5	6.8	7.0	7.2	7.4	7.6	7.8
175°	3.7	3.9	4.1	4.2	4.4	4.6	4.7	4.9	5.0	5.2	5.3
177.5°	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.3
5°	5.4	5.5	5.6	5.7	5.7	5.8	5.8	5.9	5.9	5.9	6.7
7.5°	8.0	8.2	8.3	8.5	8.6	8.7	8.7	8.8	8.9	8.9	10.0
10°	10.6	10.8	11.0	11.2	11.4	11.5	11.6	11.7	11.8	11.9	13.3
12.5°	13.1	13.4	13.7	13.9	14.1	14.3	14.5	14.6	14.7	14.8	16.6
15°	15.7	16.0	16.3	16.6	16.9	17.1	17.3	17.5	17.7	17.8	19.9
17.5°	18.3	18.6	18.9	19.2	19.6	19.9	20.2	20.4	20.6	20.8	23.2
20°	21.0	21.3	21.6	21.9	22.3	22.7	23.0	23.3	23.5	23.7	26.5
22.5°	23.4	24.0	24.3	24.6	24.9	25.4	25.8	26.2	26.4	26.7	29.7
25°	27.1	28.5	29.8	30.9	31.9	33.1	34.2	35.2	36.0	36.6	40.2
27.5°	33.2	34.9	36.7	38.2	39.7	41.2	42.8	44.3	45.5	46.6	50.7
30°	38.8	41.0	43.1	45.2	47.2	49.1	51.3	53.4	55.0	56.5	61.2
32.5°	43.9	46.6	49.3	51.8	54.3	56.8	59.5	62.2	64.5	66.5	71.8
35°	48.4	51.8	55.2	58.2	61.2	64.4	67.6	71.0	73.8	76.4	82.4
37.5°	52.2	56.6	60.6	64.3	68.0	71.6	75.5	79.6	83.2	86.4	93.0
40°	55.3	60.9	65.7	70.2	74.3	78.7	83.3	88.1	92.5	96.3	103.7
42.5°	57.8	64.4	70.5	76.1	80.6	85.6	91.1	96.6	101.7	106.3	114.4
45°	60.3	67.4	75.0	81.1	86.8	92.3	98.4	104.9	110.9	116.2	125.1
47.5°	62.3	69.4	77.3	83.7	89.5	95.0	101.4	108.5	115.7	122.5	132.5
50°	63.7	70.4	78.0	84.8	90.9	96.8	103.8	111.8	120.3	128.8	139.8
52.5°	65.6	72.1	79.0	85.9	92.3	98.7	106.1	114.9	124.9	135.1	147.2
55°	67.9	74.1	80.5	87.2	93.7	100.5	108.4	118.0	129.3	141.4	154.7
57.5°	70.3	76.5	82.4	88.5	95.2	102.4	110.7	121.0	133.7	147.8	162.1
60°	72.9	79.1	84.8	90.2	96.7	104.2	112.9	123.9	138.1	154.1	169.6
62.5°	75.7	82.0	87.2	92.2	98.4	106.0	115.1	126.8	142.3	160.4	177.1
65°	79.0	84.9	90.0	94.4	100.1	107.8	117.4	129.6	146.6	166.7	184.6
67.5°	82.5	88.0	93.0	96.9	101.9	109.7	119.6	132.5	150.8	173.0	192.1
70°	84.6	89.2	93.7	97.1	101.3	108.6	118.4	131.4	149.8	172.1	192.5
72.5°	84.5	88.5	92.9	96.3	100.2	107.3	117.0	130.3	148.8	171.2	192.8
75°	84.5	88.1	92.3	95.6	99.2	106.1	115.7	129.3	147.8	170.3	193.9
77.5°	84.7	87.8	91.7	94.9	98.3	104.9	114.4	128.4	146.9	169.4	194.0
80°	85.0	87.7	91.1	94.3	97.5	103.8	113.2	127.6	146.0	168.6	194.1
82.5°	85.3	87.7	90.6	93.7	96.7	102.8	112.0	126.8	145.2	167.7	194.2
85°	85.8	87.8	90.2	93.2	96.1	101.9	110.9	126.1	144.4	166.8	194.2
87.5°	86.3	88.0	89.8	92.7	95.5	101.0	109.8	125.5	143.7	165.9	194.3
90°	86.8	88.2	89.5	92.2	94.9	100.2	108.9	124.9	143.0	165.0	194.4
92.5°	86.3	88.0	89.8	92.7	95.5	101.0	109.8	125.5	143.7	165.9	194.3
95°	85.8	87.8	90.2	93.2	96.1	101.9	110.9	126.1	144.4	166.8	194.2
97.5°	85.3	87.7	90.6	93.7	96.7	102.8	112.0	126.8	145.2	167.7	194.2
100°	85.0	87.7	91.1	94.3	97.5	103.8	113.2	127.6	146.0	168.6	194.1
102.5°	84.7	87.8	91.7	94.9	98.3	104.9	114.4	128.4	146.9	169.4	194.0
105°	84.5	88.1	92.3	95.6	99.2	106.1	115.7	129.3	147.8	170.3	193.9
107.5°	84.5	88.5	92.9	96.3	100.2	107.3	117.0	130.3	148.8	171.2	192.8
110°	84.6	89.2	93.7	97.1	101.3	108.6	118.4	131.4	149.8	172.1	192.5



TEST NUMBER: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	82.5	88.0	93.0	96.9	101.9	109.7	119.6	132.5	150.8	173.0	192.1
115°	79.0	84.9	90.0	94.4	100.1	107.8	117.4	129.6	146.6	166.7	184.6
117.5°	75.7	82.0	87.2	92.2	98.4	106.0	115.1	126.8	142.3	160.4	177.1
120°	72.9	79.1	84.8	90.2	96.7	104.2	112.9	123.9	138.1	154.1	169.6
122.5°	70.3	76.5	82.4	88.5	95.2	102.4	110.7	121.0	133.7	147.8	162.1
125°	67.9	74.1	80.5	87.2	93.7	100.5	108.4	118.0	129.3	141.4	154.7
127.5°	65.6	72.1	79.0	85.9	92.3	98.7	106.1	114.9	124.9	135.1	147.2
130°	63.7	70.4	78.0	84.8	90.9	96.8	103.8	111.8	120.3	128.8	139.8
132.5°	62.3	69.4	77.3	83.7	89.5	95.0	101.4	108.5	115.7	122.5	132.5
135°	60.3	67.4	75.0	81.1	86.8	92.3	98.4	104.9	110.9	116.2	125.1
137.5°	57.8	64.4	70.5	76.1	80.6	85.6	91.1	96.6	101.7	106.3	114.4
140°	55.3	60.9	65.7	70.2	74.3	78.7	83.3	88.1	92.5	96.3	103.7
142.5°	52.2	56.6	60.6	64.3	68.0	71.6	75.5	79.6	83.2	86.4	93.0
145°	48.4	51.8	55.2	58.2	61.2	64.4	67.6	71.0	73.8	76.4	82.4
147.5°	43.9	46.6	49.3	51.8	54.3	56.8	59.5	62.2	64.5	66.5	71.8
150°	38.8	41.0	43.1	45.2	47.2	49.1	51.3	53.4	55.0	56.5	61.2
152.5°	33.2	34.9	36.7	38.2	39.7	41.2	42.8	44.3	45.5	46.6	50.7
155°	27.1	28.5	29.8	30.9	31.9	33.1	34.2	35.2	36.0	36.6	40.2
157.5°	23.4	24.0	24.3	24.6	24.9	25.4	25.8	26.2	26.4	26.7	29.7
160°	21.0	21.3	21.6	21.9	22.3	22.7	23.0	23.3	23.5	23.7	26.5
162.5°	18.3	18.6	18.9	19.2	19.6	19.9	20.2	20.4	20.6	20.8	23.2
165°	15.7	16.0	16.3	16.6	16.9	17.1	17.3	17.5	17.7	17.8	19.9
167.5°	13.1	13.4	13.7	13.9	14.1	14.3	14.5	14.6	14.7	14.8	16.6
170°	10.6	10.8	11.0	11.2	11.4	11.5	11.6	11.7	11.8	11.9	13.3
172.5°	8.0	8.2	8.3	8.5	8.6	8.7	8.7	8.8	8.9	8.9	10.0
175°	5.4	5.5	5.6	5.7	5.7	5.8	5.8	5.9	5.9	5.9	6.7
177.5°	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9	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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	3.7	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9
5°	7.4	8.1	8.8	9.5	10.2	10.8	11.4	12.0	12.6	13.2	13.7
7.5°	11.1	12.1	13.2	14.2	15.2	16.1	17.1	18.4	19.6	20.7	21.8
10°	14.7	16.1	17.5	18.8	20.2	22.0	23.7	25.3	26.9	28.5	30.1
12.5°	18.4	20.1	21.8	23.7	25.9	28.1	30.2	32.3	34.2	36.1	37.8
15°	22.0	24.0	26.1	28.9	31.6	34.2	36.7	39.0	41.2	43.3	45.6
17.5°	25.6	27.9	30.9	34.1	37.2	40.2	42.8	45.3	47.8	50.3	52.8
20°	29.2	31.9	35.6	39.3	42.8	45.7	48.6	51.4	54.4	57.3	60.1
22.5°	32.7	36.2	40.3	44.4	47.9	51.1	54.2	57.6	60.8	64.0	66.9
25°	43.5	47.5	51.7	55.5	58.4	61.0	63.6	66.0	68.2	70.1	73.3
27.5°	54.6	59.3	64.1	67.9	71.1	73.9	76.5	78.9	80.8	82.7	84.0
30°	65.7	71.2	76.5	80.3	84.0	86.5	89.0	91.1	93.0	94.4	95.5
32.5°	77.1	83.1	88.5	92.6	96.1	98.6	100.9	102.8	104.4	105.5	107.2
35°	88.4	95.0	100.6	105.0	108.0	110.5	112.3	114.1	115.1	116.4	118.8
37.5°	99.8	107.0	112.6	117.3	119.6	121.6	123.4	124.6	125.6	127.4	129.8
40°	111.2	118.9	124.6	128.9	130.9	132.6	134.1	134.7	135.9	137.6	141.2
42.5°	122.6	130.8	136.6	140.2	141.8	143.2	144.1	144.5	145.7	148.1	151.9
45°	134.0	142.4	148.6	151.2	152.5	153.6	153.8	154.1	154.9	158.4	163.0
47.5°	142.4	151.8	159.7	163.1	165.5	166.8	166.3	164.6	164.7	168.4	173.8
50°	150.7	161.2	170.6	176.1	181.0	184.9	187.5	189.1	191.4	192.7	192.9
52.5°	159.1	170.8	181.8	189.9	197.6	204.7	210.8	216.2	223.1	226.9	227.0
55°	167.4	180.7	193.6	204.5	215.3	225.9	236.0	246.4	256.9	262.3	258.8
57.5°	175.8	190.8	205.9	219.9	233.9	248.4	262.9	278.7	291.4	295.8	288.4
60°	184.2	201.1	218.7	235.9	253.7	272.3	291.3	312.8	326.8	326.3	316.0
62.5°	192.6	211.6	231.9	252.5	274.3	297.6	321.5	348.5	363.0	355.1	341.5
65°	201.0	222.2	245.4	269.6	295.7	323.8	353.5	383.7	399.5	382.5	365.0
67.5°	209.3	232.9	259.2	287.1	317.8	350.9	386.4	418.6	429.0	408.5	387.0
70°	211.9	236.2	263.5	293.5	327.4	364.4	405.6	441.5	450.7	431.6	408.9
72.5°	214.3	238.8	266.1	297.0	331.6	369.0	409.9	443.9	450.2	435.6	418.4
75°	216.7	241.2	268.5	300.2	335.4	372.8	413.0	446.2	451.5	441.8	426.8
77.5°	219.2	243.4	270.7	303.1	338.7	376.1	415.1	448.2	454.4	449.8	435.7
80°	222.4	245.4	272.6	305.8	341.6	378.7	416.2	450.0	458.4	459.2	444.9
82.5°	224.4	247.8	275.2	308.1	344.0	380.7	416.5	451.4	463.3	469.7	454.6
85°	226.5	249.2	276.1	310.9	346.9	383.2	417.0	453.6	468.7	480.9	464.8
87.5°	228.5	250.5	277.0	312.1	347.8	383.3	414.9	452.9	474.5	492.6	475.2
90°	230.5	251.9	277.9	313.3	348.7	383.5	412.9	452.3	479.7	503.7	486.4
92.5°	228.5	250.5	277.0	312.1	347.8	383.3	414.9	452.9	474.5	492.6	475.2
95°	226.5	249.2	276.1	310.9	346.9	383.2	417.0	453.6	468.7	480.9	464.8
97.5°	224.4	247.8	275.2	308.1	344.0	380.7	416.5	451.4	463.3	469.7	454.6
100°	222.4	245.4	272.6	305.8	341.6	378.7	416.2	450.0	458.4	459.2	444.9
102.5°	219.2	243.4	270.7	303.1	338.7	376.1	415.1	448.2	454.4	449.8	435.7
105°	216.7	241.2	268.5	300.2	335.4	372.8	413.0	446.2	451.5	441.8	426.8
107.5°	214.3	238.8	266.1	297.0	331.6	369.0	409.9	443.9	450.2	435.6	418.4
110°	211.9	236.2	263.5	293.5	327.4	364.4	405.6	441.5	450.7	431.6	408.9



TEST NUMBER: P231935

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	209.3	232.9	259.2	287.1	317.8	350.9	386.4	418.6	429.0	408.5	387.0
115°	201.0	222.2	245.4	269.6	295.7	323.8	353.5	383.7	399.5	382.5	365.0
117.5°	192.6	211.6	231.9	252.5	274.3	297.6	321.5	348.5	363.0	355.1	341.5
120°	184.2	201.1	218.7	235.9	253.7	272.3	291.3	312.8	326.8	326.3	316.0
122.5°	175.8	190.8	205.9	219.9	233.9	248.4	262.9	278.7	291.4	295.8	288.4
125°	167.4	180.7	193.6	204.5	215.3	225.9	236.0	246.4	256.9	262.3	258.8
127.5°	159.1	170.8	181.8	189.9	197.6	204.7	210.8	216.2	223.1	226.9	227.0
130°	150.7	161.2	170.6	176.1	181.0	184.9	187.5	189.1	191.4	192.7	192.9
132.5°	142.4	151.8	159.7	163.1	165.5	166.8	166.3	164.6	164.7	168.4	173.8
135°	134.0	142.4	148.6	151.2	152.5	153.6	153.8	154.1	154.9	158.4	163.0
137.5°	122.6	130.8	136.6	140.2	141.8	143.2	144.1	144.5	145.7	148.1	151.9
140°	111.2	118.9	124.6	128.9	130.9	132.6	134.1	134.7	135.9	137.6	141.2
142.5°	99.8	107.0	112.6	117.3	119.6	121.6	123.4	124.6	125.6	127.4	129.8
145°	88.4	95.0	100.6	105.0	108.0	110.5	112.3	114.1	115.1	116.4	118.8
147.5°	77.1	83.1	88.5	92.6	96.1	98.6	100.9	102.8	104.4	105.5	107.2
150°	65.7	71.2	76.5	80.3	84.0	86.5	89.0	91.1	93.0	94.4	95.5
152.5°	54.6	59.3	64.1	67.9	71.1	73.9	76.5	78.9	80.8	82.7	84.0
155°	43.5	47.5	51.7	55.5	58.4	61.0	63.6	66.0	68.2	70.1	73.3
157.5°	32.7	36.2	40.3	44.4	47.9	51.1	54.2	57.6	60.8	64.0	66.9
160°	29.2	31.9	35.6	39.3	42.8	45.7	48.6	51.4	54.4	57.3	60.1
162.5°	25.6	27.9	30.9	34.1	37.2	40.2	42.8	45.3	47.8	50.3	52.8
165°	22.0	24.0	26.1	28.9	31.6	34.2	36.7	39.0	41.2	43.3	45.6
167.5°	18.4	20.1	21.8	23.7	25.9	28.1	30.2	32.3	34.2	36.1	37.8
170°	14.7	16.1	17.5	18.8	20.2	22.0	23.7	25.3	26.9	28.5	30.1
172.5°	11.1	12.1	13.2	14.2	15.2	16.1	17.1	18.4	19.6	20.7	21.8
175°	7.4	8.1	8.8	9.5	10.2	10.8	11.4	12.0	12.6	13.2	13.7
177.5°	3.7	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9
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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7	8.8	8.9
5°	14.4	15.1	15.7	16.4	16.9	17.5	18.0	18.4	18.9	19.2	19.6
7.5°	22.9	23.9	24.9	25.8	26.7	27.5	28.3	29.0	29.7	30.3	30.8
10°	31.4	32.7	34.0	35.2	36.4	37.5	38.5	39.5	40.4	41.2	42.0
12.5°	39.5	41.2	42.7	44.3	45.8	47.2	48.5	49.7	50.9	52.1	53.2
15°	47.4	49.5	51.4	53.3	55.1	56.9	58.6	60.3	61.8	63.3	64.8
17.5°	55.2	57.9	59.9	62.1	64.3	66.4	68.5	70.6	72.7	74.7	76.6
20°	62.8	65.4	68.0	70.5	73.0	75.5	77.9	80.4	82.8	85.0	87.0
22.5°	69.9	72.7	75.4	78.1	80.8	83.9	87.0	89.8	92.3	94.2	95.7
25°	76.1	78.9	82.0	85.5	89.2	92.7	95.9	98.7	101.1	103.3	105.5
27.5°	85.0	86.6	89.2	93.5	97.9	102.0	106.0	109.3	112.6	115.4	117.8
30°	97.3	99.9	102.5	105.8	109.0	113.1	117.9	122.1	126.0	129.2	132.2
32.5°	109.7	112.6	116.2	119.8	124.1	128.3	132.4	136.6	140.6	143.6	146.4
35°	121.6	125.4	129.5	134.2	138.9	143.8	148.4	151.8	154.7	158.5	163.3
37.5°	133.7	137.9	143.0	148.3	153.8	158.7	162.8	166.9	171.5	176.5	181.2
40°	145.3	150.6	156.3	162.3	167.9	172.9	178.1	183.3	189.2	195.5	202.1
42.5°	157.2	163.0	169.5	175.8	181.7	187.7	193.5	200.6	208.3	216.7	225.8
45°	168.6	175.5	182.4	189.3	195.8	202.1	210.0	218.3	228.4	239.4	252.6
47.5°	180.3	187.6	195.4	202.5	209.3	217.5	226.6	237.3	249.9	263.9	282.9
50°	193.0	200.0	208.1	215.2	223.5	232.6	243.9	256.9	272.3	293.2	316.0
52.5°	225.2	225.3	225.8	227.9	237.5	248.3	261.2	276.5	298.5	323.4	351.3
55°	255.0	252.7	251.6	252.9	257.2	264.2	277.6	299.4	325.1	354.6	389.6
57.5°	282.1	277.5	275.2	275.8	279.6	288.0	302.2	322.5	352.4	388.4	428.3
60°	306.8	300.2	297.0	296.9	301.3	310.9	328.9	353.8	384.6	421.2	468.2
62.5°	329.9	321.6	316.8	315.5	321.6	335.0	355.7	383.1	418.3	461.1	508.4
65°	351.4	341.5	335.2	334.1	341.1	356.2	380.5	412.5	452.2	498.6	550.4
67.5°	371.4	359.9	351.7	352.1	361.0	378.1	404.1	438.4	483.0	534.4	592.1
70°	390.8	376.9	366.5	368.7	378.5	397.9	426.6	464.9	512.2	567.2	632.4
72.5°	402.5	389.8	381.9	384.9	394.4	416.2	445.9	487.6	538.6	599.0	665.9
75°	411.2	399.4	395.5	400.5	411.8	433.6	465.1	507.5	560.8	626.3	692.3
77.5°	420.1	409.7	409.4	415.2	427.9	451.4	485.3	528.8	583.7	648.0	710.2
80°	429.3	420.7	423.4	429.2	442.5	467.7	502.4	545.7	602.2	665.8	730.3
82.5°	438.9	432.1	437.4	442.5	455.8	482.3	516.8	558.5	615.9	680.0	745.4
85°	448.7	443.9	451.5	455.4	468.1	495.5	528.7	567.7	625.2	690.3	755.6
87.5°	458.8	456.0	465.5	468.0	479.8	507.9	539.3	574.9	632.0	698.7	763.1
90°	469.7	468.3	479.0	480.3	490.4	517.8	546.5	577.9	632.0	698.8	761.6
92.5°	458.8	456.0	465.5	468.0	479.8	507.9	539.3	574.9	632.0	698.7	763.1
95°	448.7	443.9	451.5	455.4	468.1	495.5	528.7	567.7	625.2	690.3	755.6
97.5°	438.9	432.1	437.4	442.5	455.8	482.3	516.8	558.5	615.9	680.0	745.4
100°	429.3	420.7	423.4	429.2	442.5	467.7	502.4	545.7	602.2	665.8	730.3
102.5°	420.1	409.7	409.4	415.2	427.9	451.4	485.3	528.8	583.7	648.0	710.2
105°	411.2	399.4	395.5	400.5	411.8	433.6	465.1	507.5	560.8	626.3	692.3
107.5°	402.5	389.8	381.9	384.9	394.4	416.2	445.9	487.6	538.6	599.0	665.9
110°	390.8	376.9	366.5	368.7	378.5	397.9	426.6	464.9	512.2	567.2	632.4



TEST NUMBER: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	371.4	359.9	351.7	352.1	361.0	378.1	404.1	438.4	483.0	534.4	592.1
115°	351.4	341.5	335.2	334.1	341.1	356.2	380.5	412.5	452.2	498.6	550.4
117.5°	329.9	321.6	316.8	315.5	321.6	335.0	355.7	383.1	418.3	461.1	508.4
120°	306.8	300.2	297.0	296.9	301.3	310.9	328.9	353.8	384.6	421.2	468.2
122.5°	282.1	277.5	275.2	275.8	279.6	288.0	302.2	322.5	352.4	388.4	428.3
125°	255.0	252.7	251.6	252.9	257.2	264.2	277.6	299.4	325.1	354.6	389.6
127.5°	225.2	225.3	225.8	227.9	237.5	248.3	261.2	276.5	298.5	323.4	351.3
130°	193.0	200.0	208.1	215.2	223.5	232.6	243.9	256.9	272.3	293.2	316.0
132.5°	180.3	187.6	195.4	202.5	209.3	217.5	226.6	237.3	249.9	263.9	282.9
135°	168.6	175.5	182.4	189.3	195.8	202.1	210.0	218.3	228.4	239.4	252.6
137.5°	157.2	163.0	169.5	175.8	181.7	187.7	193.5	200.6	208.3	216.7	225.8
140°	145.3	150.6	156.3	162.3	167.9	172.9	178.1	183.3	189.2	195.5	202.1
142.5°	133.7	137.9	143.0	148.3	153.8	158.7	162.8	166.9	171.5	176.5	181.2
145°	121.6	125.4	129.5	134.2	138.9	143.8	148.4	151.8	154.7	158.5	163.3
147.5°	109.7	112.6	116.2	119.8	124.1	128.3	132.4	136.6	140.6	143.6	146.4
150°	97.3	99.9	102.5	105.8	109.0	113.1	117.9	122.1	126.0	129.2	132.2
152.5°	85.0	86.6	89.2	93.5	97.9	102.0	106.0	109.3	112.6	115.4	117.8
155°	76.1	78.9	82.0	85.5	89.2	92.7	95.9	98.7	101.1	103.3	105.5
157.5°	69.9	72.7	75.4	78.1	80.8	83.9	87.0	89.8	92.3	94.2	95.7
160°	62.8	65.4	68.0	70.5	73.0	75.5	77.9	80.4	82.8	85.0	87.0
162.5°	55.2	57.9	59.9	62.1	64.3	66.4	68.5	70.6	72.7	74.7	76.6
165°	47.4	49.5	51.4	53.3	55.1	56.9	58.6	60.3	61.8	63.3	64.8
167.5°	39.5	41.2	42.7	44.3	45.8	47.2	48.5	49.7	50.9	52.1	53.2
170°	31.4	32.7	34.0	35.2	36.4	37.5	38.5	39.5	40.4	41.2	42.0
172.5°	22.9	23.9	24.9	25.8	26.7	27.5	28.3	29.0	29.7	30.3	30.8
175°	14.4	15.1	15.7	16.4	16.9	17.5	18.0	18.4	18.9	19.2	19.6
177.5°	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7	8.8	8.9
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: P231935

CATALOG NUMBER: FVS4WM-2-LD4-50-2LO-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°	9.0	9.1	9.1	9.1	9.2	9.2	9.4	9.3	9.2	9.1	9.0
5°	19.9	20.1	20.3	20.5	20.6	20.7	20.7	20.7	21.0	20.8	20.5
7.5°	31.3	31.7	32.1	32.4	32.6	32.8	32.9	32.9	32.9	33.1	32.8
10°	42.6	43.2	43.8	44.2	44.5	44.8	45.0	45.0	45.0	45.4	44.9
12.5°	54.2	55.1	56.0	56.7	57.3	57.8	58.2	58.5	58.7	58.7	58.9
15°	66.3	67.7	69.0	70.2	71.2	72.2	73.0	73.7	74.3	74.7	75.3
17.5°	78.4	79.9	81.3	82.5	83.5	84.4	85.2	85.7	86.2	86.4	86.8
20°	88.9	90.3	91.1	91.6	91.8	91.9	91.8	91.5	91.0	90.5	89.9
22.5°	96.8	97.7	98.6	99.3	99.7	99.9	99.7	99.3	98.7	97.8	97.0
25°	107.2	108.6	109.5	110.2	110.6	110.5	110.1	109.3	108.3	106.9	105.3
27.5°	119.8	121.3	122.3	123.1	123.8	124.3	124.4	124.1	123.5	122.6	121.3
30°	134.1	135.9	137.5	138.8	141.3	143.5	145.4	146.7	147.6	148.0	147.9
32.5°	149.4	153.3	157.1	160.6	164.3	167.8	170.9	173.4	175.4	176.8	177.4
35°	168.0	173.4	178.8	184.0	189.1	195.2	200.8	205.7	209.9	213.2	215.6
37.5°	187.8	194.7	203.2	211.4	219.3	228.2	236.7	244.2	250.8	256.2	260.4
40°	210.1	219.5	231.1	243.1	254.5	266.7	279.2	290.3	299.8	307.8	314.0
42.5°	237.0	248.8	263.3	280.9	297.5	313.3	329.1	343.2	355.5	365.8	374.0
45°	267.0	285.5	303.4	324.5	345.2	366.6	385.2	404.1	420.6	434.4	445.4
47.5°	303.4	325.9	348.6	372.6	400.0	425.7	451.5	476.3	498.1	516.7	531.7
50°	341.9	368.8	399.5	429.4	463.1	496.1	528.1	559.3	585.8	607.4	624.1
52.5°	383.3	417.2	455.0	493.2	535.2	577.9	616.2	654.5	687.4	714.4	735.4
55°	426.9	469.5	514.3	563.8	615.0	670.0	718.4	752.1	780.7	806.5	828.7
57.5°	473.6	523.4	576.6	636.3	700.9	746.4	787.6	822.3	854.3	883.9	910.2
60°	519.9	575.8	639.0	702.6	759.6	806.0	845.1	881.7	916.3	949.0	978.9
62.5°	562.3	625.8	696.3	763.6	813.3	857.8	894.6	930.0	965.1	999.0	1030.6
65°	607.7	676.4	753.4	809.9	856.7	898.0	934.2	967.7	1003.9	1041.0	1073.4
67.5°	657.3	734.3	794.8	845.2	889.3	929.1	967.9	1006.5	1043.0	1079.1	1110.2
70°	703.5	770.5	827.2	872.7	914.3	956.5	998.7	1039.9	1078.9	1114.3	1143.9
72.5°	735.8	800.3	853.9	896.4	937.3	979.0	1024.7	1068.9	1112.4	1147.7	1174.0
75°	759.7	822.5	872.8	915.8	958.9	1002.3	1046.3	1092.6	1135.1	1175.5	1205.7
77.5°	778.1	843.4	886.1	931.8	977.2	1023.0	1067.4	1109.1	1156.0	1199.4	1235.0
80°	796.8	853.7	896.3	943.9	990.6	1040.2	1082.4	1127.3	1172.1	1218.1	1251.6
82.5°	813.3	864.1	908.4	953.9	1000.2	1046.2	1091.9	1139.5	1187.5	1236.9	1265.6
85°	825.1	871.0	916.0	961.0	1008.6	1055.4	1099.9	1145.0	1195.1	1245.1	1281.5
87.5°	834.4	874.2	918.9	962.9	1011.3	1061.7	1107.4	1154.8	1201.4	1249.8	1276.4
90°	833.1	873.8	917.3	960.0	1008.1	1062.2	1107.7	1155.8	1202.5	1250.6	1271.3
92.5°	834.4	874.2	918.9	962.9	1011.3	1061.7	1107.4	1154.8	1201.4	1249.8	1276.4
95°	825.1	871.0	916.0	961.0	1008.6	1055.4	1099.9	1145.0	1195.1	1245.1	1281.5
97.5°	813.3	864.1	908.4	953.9	1000.2	1046.2	1091.9	1139.5	1187.5	1236.9	1265.6
100°	796.8	853.7	896.3	943.9	990.6	1040.2	1082.4	1127.3	1172.1	1218.1	1251.6
102.5°	778.1	843.4	886.1	931.8	977.2	1023.0	1067.4	1109.1	1156.0	1199.4	1235.0
105°	759.7	822.5	872.8	915.8	958.9	1002.3	1046.3	1092.6	1135.1	1175.5	1205.7
107.5°	735.8	800.3	853.9	896.4	937.3	979.0	1024.7	1068.9	1112.4	1147.7	1174.0
110°	703.5	770.5	827.2	872.7	914.3	956.5	998.7	1039.9	1078.9	1114.3	1143.9



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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°	657.3	734.3	794.8	845.2	889.3	929.1	967.9	1006.5	1043.0	1079.1	1110.2
115°	607.7	676.4	753.4	809.9	856.7	898.0	934.2	967.7	1003.9	1041.0	1073.4
117.5°	562.3	625.8	696.3	763.6	813.3	857.8	894.6	930.0	965.1	999.0	1030.6
120°	519.9	575.8	639.0	702.6	759.6	806.0	845.1	881.7	916.3	949.0	978.9
122.5°	473.6	523.4	576.6	636.3	700.9	746.4	787.6	822.3	854.3	883.9	910.2
125°	426.9	469.5	514.3	563.8	615.0	670.0	718.4	752.1	780.7	806.5	828.7
127.5°	383.3	417.2	455.0	493.2	535.2	577.9	616.2	654.5	687.4	714.4	735.4
130°	341.9	368.8	399.5	429.4	463.1	496.1	528.1	559.3	585.8	607.4	624.1
132.5°	303.4	325.9	348.6	372.6	400.0	425.7	451.5	476.3	498.1	516.7	531.7
135°	267.0	285.5	303.4	324.5	345.2	366.6	385.2	404.1	420.6	434.4	445.4
137.5°	237.0	248.8	263.3	280.9	297.5	313.3	329.1	343.2	355.5	365.8	374.0
140°	210.1	219.5	231.1	243.1	254.5	266.7	279.2	290.3	299.8	307.8	314.0
142.5°	187.8	194.7	203.2	211.4	219.3	228.2	236.7	244.2	250.8	256.2	260.4
145°	168.0	173.4	178.8	184.0	189.1	195.2	200.8	205.7	209.9	213.2	215.6
147.5°	149.4	153.3	157.1	160.6	164.3	167.8	170.9	173.4	175.4	176.8	177.4
150°	134.1	135.9	137.5	138.8	141.3	143.5	145.4	146.7	147.6	148.0	147.9
152.5°	119.8	121.3	122.3	123.1	123.8	124.3	124.4	124.1	123.5	122.6	121.3
155°	107.2	108.6	109.5	110.2	110.6	110.5	110.1	109.3	108.3	106.9	105.3
157.5°	96.8	97.7	98.6	99.3	99.7	99.9	99.7	99.3	98.7	97.8	97.0
160°	88.9	90.3	91.1	91.6	91.8	91.9	91.8	91.5	91.0	90.5	89.9
162.5°	78.4	79.9	81.3	82.5	83.5	84.4	85.2	85.7	86.2	86.4	86.8
165°	66.3	67.7	69.0	70.2	71.2	72.2	73.0	73.7	74.3	74.7	75.3
167.5°	54.2	55.1	56.0	56.7	57.3	57.8	58.2	58.5	58.7	58.7	58.9
170°	42.6	43.2	43.8	44.2	44.5	44.8	45.0	45.0	45.0	45.4	44.9
172.5°	31.3	31.7	32.1	32.4	32.6	32.8	32.9	32.9	32.9	33.1	32.8
175°	19.9	20.1	20.3	20.5	20.6	20.7	20.7	20.7	21.0	20.8	20.5
177.5°	9.0	9.1	9.1	9.1	9.2	9.2	9.4	9.3	9.2	9.1	9.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	8.8	8.7
5°	20.3	20.0
7.5°	32.4	32.1
10°	44.5	44.1
12.5°	58.5	58.1
15°	75.0	74.8
17.5°	86.5	86.2
20°	89.0	88.2
22.5°	95.6	94.2
25°	103.6	101.5
27.5°	119.8	117.6
30°	147.4	145.6
32.5°	177.7	176.4
35°	217.5	217.1
37.5°	264.0	264.6
40°	319.3	320.7
42.5°	381.2	383.5
45°	455.0	458.3
47.5°	544.9	549.8
50°	638.3	642.7
52.5°	753.4	758.3
55°	849.3	858.5
57.5°	935.4	949.3
60°	1007.7	1026.2
62.5°	1059.1	1083.6
65°	1101.4	1125.0
67.5°	1136.4	1158.4
70°	1167.6	1186.5
72.5°	1193.5	1207.9
75°	1224.3	1236.6
77.5°	1249.1	1256.0
80°	1264.9	1269.3
82.5°	1276.4	1277.3
85°	1285.6	1277.3
87.5°	1292.0	1286.0
90°	1292.0	1301.4
92.5°	1292.0	1286.0
95°	1285.6	1277.3
97.5°	1276.4	1277.3
100°	1264.9	1269.3
102.5°	1249.1	1256.0
105°	1224.3	1236.6
107.5°	1193.5	1207.9
110°	1167.6	1186.5



TEST NUMBER: P231935

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1136.4	1158.4
115°	1101.4	1125.0
117.5°	1059.1	1083.6
120°	1007.7	1026.2
122.5°	935.4	949.3
125°	849.3	858.5
127.5°	753.4	758.3
130°	638.3	642.7
132.5°	544.9	549.8
135°	455.0	458.3
137.5°	381.2	383.5
140°	319.3	320.7
142.5°	264.0	264.6
145°	217.5	217.1
147.5°	177.7	176.4
150°	147.4	145.6
152.5°	119.8	117.6
155°	103.6	101.5
157.5°	95.6	94.2
160°	89.0	88.2
162.5°	86.5	86.2
165°	75.0	74.8
167.5°	58.5	58.1
170°	44.5	44.1
172.5°	32.4	32.1
175°	20.3	20.0
177.5°	8.8	8.7
180°	0.0	0.0

(END OF REPORT)