

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: P231938

Luminaire Tested: **FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231938
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-LD4-40-2STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (84) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

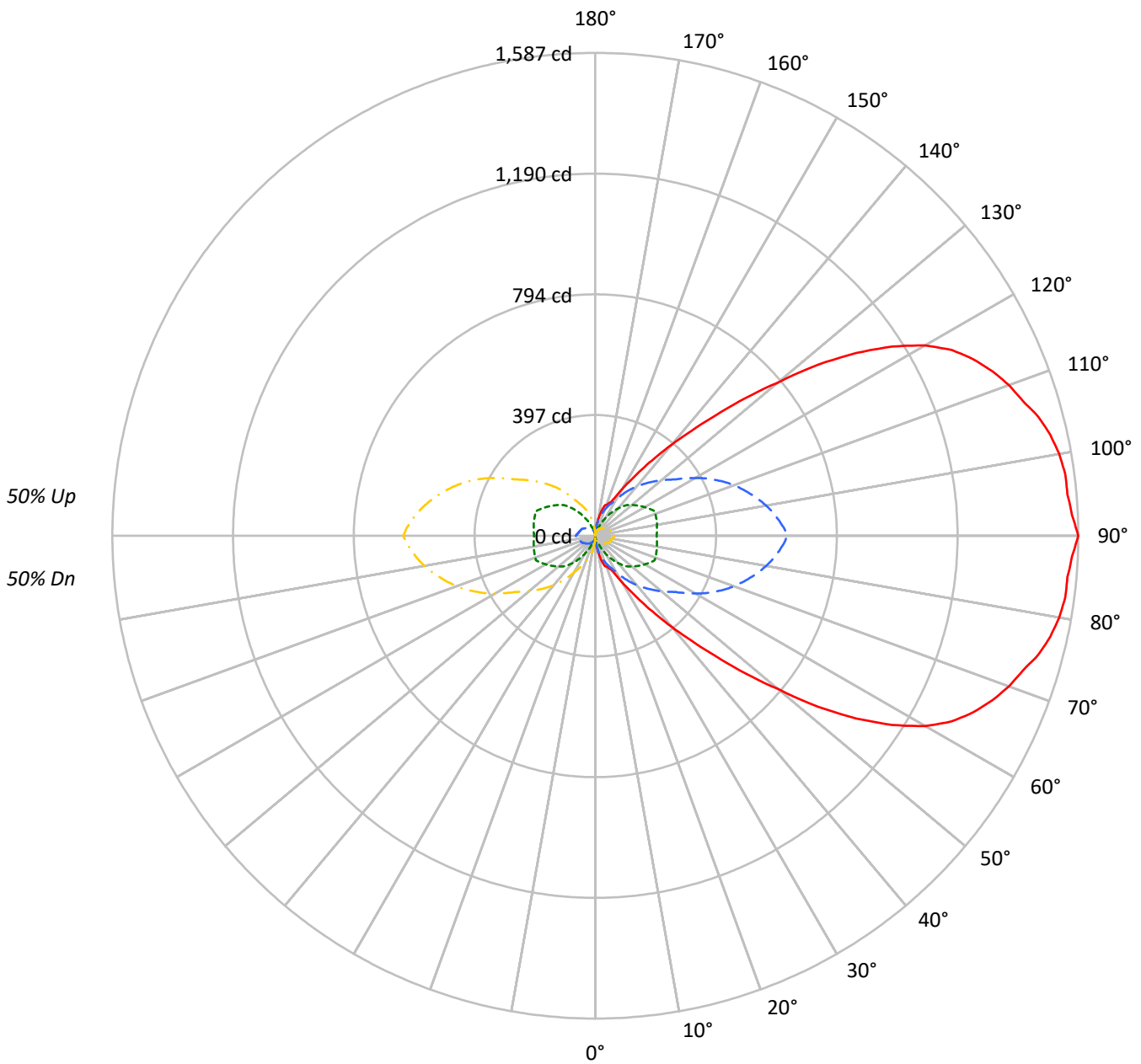
Lumens per Lamp: N/A
Luminaire Lumens: 3507.4 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 33.9
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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CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

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°	640	213	0	213
10°	1265	429	0	429
15°	1955	645	0	645
20°	2133	873	0	873
25°	2302	1373	0	1373
30°	3130	2181	0	2181
35°	4466	3059	0	3059
40°	6374	4041	0	4041
45°	8876	5161	13	5161
50°	12227	6129	12	6129
55°	16170	7307	12	7307
60°	19282	8777	12	8777
65°	21253	10676	12	10676
70°	22707	12695	13	12695
75°	24166	14943	13	14943
80°	25539	18426	0	18426
85°	26694	24410	0	24410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	11.4	0.3
20°-30°	30.5	0.9
30°-40°	69.6	2.0
40°-50°	135.9	3.9
50°-60°	241.8	6.9
60°-70°	355.7	10.1
70°-80°	433.5	12.4
80°-90°	473.8	13.5
90°-100°	473.8	13.5
100°-110°	433.5	12.4
110°-120°	355.7	10.1
120°-130°	241.8	6.9
130°-140°	135.9	3.9
140°-150°	69.6	2.0
150°-160°	30.5	0.9
160°-170°	11.4	0.3
170°-180°	1.5	0.0
0°-30°	43.4	1.2
0°-40°	113.1	3.2
0°-60°	490.7	14.0
0°-90°	1753.7	50.0
90°-120°	1263.0	36.0
90°-150°	1710.3	48.8
90°-180°	1754.0	50.0
0°-180°	3507.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	24	7	0	7	24	3
15°	91	22	0	22	91	26
25°	124	45	0	45	124	62
35°	265	93	0	93	265	173
45°	559	142	1	142	559	446
55°	1047	172	1	172	1047	934
65°	1372	203	1	203	1372	1355
75°	1508	208	1	208	1508	1590
85°	1557	203	0	203	1557	1273
90°	1587	201	0	201	1587	865
95°	1557	203	0	203	1557	1273
105°	1508	208	1	208	1508	1590
115°	1372	203	1	203	1372	1355
125°	1047	172	1	172	1047	934
135°	559	142	1	142	559	446
145°	265	93	0	93	265	173
155°	124	45	0	45	124	62
165°	91	22	0	22	91	26
175°	24	7	0	7	24	3
180°	0	0	0	0	0	



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.2	11.2	11.1	11.1
5°	24.4	24.7	25.0	25.3	25.6	25.3	25.3	25.2	25.2	25.0	24.8
7.5°	39.1	39.5	39.9	40.3	40.1	40.1	40.1	40.0	39.8	39.5	39.1
10°	53.8	54.3	54.8	55.3	54.9	54.9	54.8	54.6	54.3	53.9	53.3
12.5°	70.9	71.4	71.9	71.7	71.6	71.4	71.0	70.6	69.9	69.1	68.3
15°	91.2	91.5	91.8	91.1	90.6	89.9	89.1	88.1	86.9	85.6	84.1
17.5°	105.1	105.5	105.8	105.3	105.0	104.5	103.8	102.9	101.9	100.6	99.1
20°	107.5	108.5	109.5	110.3	111.0	111.5	111.9	112.0	112.0	111.6	111.0
22.5°	114.9	116.6	118.3	119.3	120.4	121.1	121.6	121.8	121.6	121.1	120.2
25°	123.8	126.3	128.4	130.4	132.0	133.3	134.3	134.8	134.8	134.4	133.6
27.5°	143.4	146.1	147.9	149.5	150.6	151.3	151.6	151.5	151.0	150.1	149.2
30°	177.6	179.8	180.3	180.5	180.1	178.9	177.3	175.0	172.3	169.2	167.7
32.5°	215.0	216.6	216.2	215.5	213.8	211.4	208.4	204.6	200.3	195.9	191.6
35°	264.7	265.2	262.8	259.9	255.9	250.8	244.7	238.0	230.5	224.2	218.0
37.5°	322.6	321.9	317.5	312.4	305.8	297.7	288.5	278.2	267.3	257.7	247.7
40°	391.0	389.3	382.8	375.2	365.6	353.9	340.4	325.1	310.3	296.3	281.7
42.5°	467.5	464.7	456.0	446.0	433.4	418.4	401.2	382.0	362.8	342.5	320.9
45°	558.8	554.8	543.1	529.6	512.8	492.7	469.6	447.0	420.9	395.6	370.0
47.5°	670.4	664.5	648.3	630.0	607.4	580.7	550.5	519.0	487.7	454.3	425.0
50°	783.6	778.2	760.9	740.6	714.2	682.0	644.0	604.9	564.6	523.5	487.0
52.5°	924.5	918.5	896.6	871.0	838.0	798.0	751.3	704.6	652.6	601.4	554.8
55°	1046.7	1035.5	1010.3	983.3	951.9	917.0	876.0	816.9	749.8	687.5	627.1
57.5°	1157.5	1140.5	1109.8	1077.6	1041.5	1002.6	960.3	910.1	854.6	775.8	703.0
60°	1251.1	1228.6	1193.4	1157.0	1117.2	1075.0	1030.4	982.7	926.1	856.6	779.1
62.5°	1321.2	1291.3	1256.5	1218.0	1176.6	1133.8	1090.7	1045.8	991.6	931.0	849.0
65°	1371.7	1342.8	1308.8	1269.2	1223.9	1179.8	1138.9	1094.8	1044.5	987.4	918.6
67.5°	1412.4	1385.6	1353.6	1315.7	1271.7	1227.1	1180.1	1132.8	1084.2	1030.5	969.1
70°	1446.6	1423.6	1394.7	1358.7	1315.5	1267.9	1217.7	1166.1	1114.8	1064.0	1008.6
72.5°	1472.7	1455.2	1431.4	1399.4	1356.3	1303.2	1249.3	1193.6	1142.8	1092.9	1041.2
75°	1507.7	1492.7	1470.0	1433.1	1383.9	1332.1	1275.7	1222.0	1169.2	1116.6	1064.1
77.5°	1531.3	1522.9	1505.8	1462.4	1409.4	1352.2	1301.4	1247.3	1191.5	1136.1	1080.4
80°	1547.6	1542.2	1525.9	1485.1	1429.1	1374.4	1319.7	1268.2	1207.7	1150.8	1092.8
82.5°	1557.4	1556.3	1543.1	1508.0	1447.8	1389.4	1331.3	1275.6	1219.4	1163.1	1107.6
85°	1557.4	1567.4	1562.5	1518.1	1457.1	1396.0	1341.1	1286.8	1229.7	1171.7	1116.8
87.5°	1568.0	1575.3	1556.3	1523.8	1464.8	1408.0	1350.2	1294.5	1233.0	1174.1	1120.3
90°	1586.7	1575.3	1550.1	1524.8	1466.2	1409.2	1350.5	1295.1	1229.1	1170.5	1118.4
92.5°	1568.0	1575.3	1556.3	1523.8	1464.8	1408.0	1350.2	1294.5	1233.0	1174.1	1120.3
95°	1557.4	1567.4	1562.5	1518.1	1457.1	1396.0	1341.1	1286.8	1229.7	1171.7	1116.8
97.5°	1557.4	1556.3	1543.1	1508.0	1447.8	1389.4	1331.3	1275.6	1219.4	1163.1	1107.6
100°	1547.6	1542.2	1525.9	1485.1	1429.1	1374.4	1319.7	1268.2	1207.7	1150.8	1092.8
102.5°	1531.3	1522.9	1505.8	1462.4	1409.4	1352.2	1301.4	1247.3	1191.5	1136.1	1080.4
105°	1507.7	1492.7	1470.0	1433.1	1383.9	1332.1	1275.7	1222.0	1169.2	1116.6	1064.1
107.5°	1472.7	1455.2	1431.4	1399.4	1356.3	1303.2	1249.3	1193.6	1142.8	1092.9	1041.2
110°	1446.6	1423.6	1394.7	1358.7	1315.5	1267.9	1217.7	1166.1	1114.8	1064.0	1008.6



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1412.4	1385.6	1353.6	1315.7	1271.7	1227.1	1180.1	1132.8	1084.2	1030.5	969.1
115°	1371.7	1342.8	1308.8	1269.2	1223.9	1179.8	1138.9	1094.8	1044.5	987.4	918.6
117.5°	1321.2	1291.3	1256.5	1218.0	1176.6	1133.8	1090.7	1045.8	991.6	931.0	849.0
120°	1251.1	1228.6	1193.4	1157.0	1117.2	1075.0	1030.4	982.7	926.1	856.6	779.1
122.5°	1157.5	1140.5	1109.8	1077.6	1041.5	1002.6	960.3	910.1	854.6	775.8	703.0
125°	1046.7	1035.5	1010.3	983.3	951.9	917.0	876.0	816.9	749.8	687.5	627.1
127.5°	924.5	918.5	896.6	871.0	838.0	798.0	751.3	704.6	652.6	601.4	554.8
130°	783.6	778.2	760.9	740.6	714.2	682.0	644.0	604.9	564.6	523.5	487.0
132.5°	670.4	664.5	648.3	630.0	607.4	580.7	550.5	519.0	487.7	454.3	425.0
135°	558.8	554.8	543.1	529.6	512.8	492.7	469.6	447.0	420.9	395.6	370.0
137.5°	467.5	464.7	456.0	446.0	433.4	418.4	401.2	382.0	362.8	342.5	320.9
140°	391.0	389.3	382.8	375.2	365.6	353.9	340.4	325.1	310.3	296.3	281.7
142.5°	322.6	321.9	317.5	312.4	305.8	297.7	288.5	278.2	267.3	257.7	247.7
145°	264.7	265.2	262.8	259.9	255.9	250.8	244.7	238.0	230.5	224.2	218.0
147.5°	215.0	216.6	216.2	215.5	213.8	211.4	208.4	204.6	200.3	195.9	191.6
150°	177.6	179.8	180.3	180.5	180.1	178.9	177.3	175.0	172.3	169.2	167.7
152.5°	143.4	146.1	147.9	149.5	150.6	151.3	151.6	151.5	151.0	150.1	149.2
155°	123.8	126.3	128.4	130.4	132.0	133.3	134.3	134.8	134.8	134.4	133.6
157.5°	114.9	116.6	118.3	119.3	120.4	121.1	121.6	121.8	121.6	121.1	120.2
160°	107.5	108.5	109.5	110.3	111.0	111.5	111.9	112.0	112.0	111.6	111.0
162.5°	105.1	105.5	105.8	105.3	105.0	104.5	103.8	102.9	101.9	100.6	99.1
165°	91.2	91.5	91.8	91.1	90.6	89.9	89.1	88.1	86.9	85.6	84.1
167.5°	70.9	71.4	71.9	71.7	71.6	71.4	71.0	70.6	69.9	69.1	68.3
170°	53.8	54.3	54.8	55.3	54.9	54.9	54.8	54.6	54.3	53.9	53.3
172.5°	39.1	39.5	39.9	40.3	40.1	40.1	40.1	40.0	39.8	39.5	39.1
175°	24.4	24.7	25.0	25.3	25.6	25.3	25.3	25.2	25.2	25.0	24.8
177.5°	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.2	11.2	11.1	11.1
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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

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°	11.0	11.0	10.8	10.7	10.6	10.4	10.2	10.0	9.8	9.5	9.3
5°	24.5	24.2	23.9	23.5	23.0	22.5	21.9	21.3	20.6	19.9	19.2
7.5°	38.7	38.2	37.6	36.9	36.2	35.4	34.5	33.6	32.6	31.5	30.4
10°	52.7	52.0	51.2	50.2	49.2	48.1	46.9	45.7	44.3	42.9	41.4
12.5°	67.2	66.1	64.8	63.5	62.1	60.7	59.1	57.5	55.8	54.0	52.1
15°	82.5	80.8	79.0	77.2	75.4	73.5	71.5	69.3	67.1	64.9	62.7
17.5°	97.5	95.6	93.4	91.1	88.6	86.1	83.6	81.0	78.4	75.7	73.0
20°	110.1	108.4	106.1	103.6	100.9	98.0	95.0	92.0	89.0	86.0	82.9
22.5°	119.1	118.1	116.6	114.8	112.6	109.5	106.0	102.4	98.6	95.2	91.9
25°	132.4	130.8	128.6	125.9	123.2	120.4	117.0	113.0	108.7	104.2	100.0
27.5°	148.0	146.2	143.7	140.7	137.3	133.3	129.3	124.3	119.4	114.0	108.8
30°	165.8	163.5	161.3	157.6	153.6	148.9	143.8	137.9	132.9	129.1	125.0
32.5°	187.0	182.1	178.5	175.2	171.5	166.6	161.5	156.4	151.4	146.1	141.7
35°	211.4	204.9	199.1	193.2	188.6	185.0	181.0	175.4	169.4	163.7	157.9
37.5°	237.4	229.0	221.0	215.2	209.1	203.4	198.5	193.5	187.5	180.8	174.4
40°	267.5	256.1	246.4	238.3	230.7	223.5	217.1	210.8	204.7	197.9	190.6
42.5°	303.2	288.9	275.2	264.2	253.9	244.6	236.0	228.8	221.6	214.4	206.7
45°	348.1	325.5	307.9	291.9	278.4	266.1	256.0	246.5	238.7	230.8	222.4
47.5°	397.4	369.9	344.9	321.7	304.6	289.3	276.2	265.3	255.2	247.0	238.2
50°	449.7	416.9	385.3	357.5	331.9	313.2	297.3	283.6	272.5	262.4	253.8
52.5°	508.6	467.4	428.4	394.3	363.9	337.1	318.4	302.7	289.6	277.9	275.3
55°	572.5	520.5	475.1	432.4	396.4	365.0	338.4	322.1	313.5	308.3	306.7
57.5°	638.2	577.5	522.2	473.7	429.7	393.3	368.5	351.1	340.9	336.3	335.6
60°	702.0	633.9	571.0	513.5	468.9	431.5	401.1	379.0	367.3	362.0	362.1
62.5°	763.0	685.5	619.8	562.3	510.1	467.1	433.7	408.4	392.1	384.6	386.2
65°	824.7	741.0	671.0	607.9	551.3	503.0	463.9	434.3	415.9	407.4	408.7
67.5°	895.3	801.4	721.9	651.6	588.9	534.5	492.7	461.0	440.1	429.3	428.8
70°	939.5	857.7	771.0	691.6	624.5	566.8	520.2	485.2	461.4	449.5	446.8
72.5°	975.8	897.2	811.9	730.3	656.6	594.5	543.7	507.4	480.8	469.3	465.6
75°	1002.9	926.3	844.1	763.7	683.8	618.8	567.0	528.6	502.1	488.3	482.2
77.5°	1028.3	948.7	865.9	790.1	711.7	644.7	591.6	550.4	521.7	506.2	499.1
80°	1040.9	971.5	890.5	811.8	734.2	665.3	612.6	570.2	539.5	523.3	516.2
82.5°	1053.6	991.7	908.9	829.1	750.9	680.9	630.1	588.0	555.8	539.6	533.3
85°	1061.9	1006.0	921.3	841.6	762.2	692.2	644.6	604.1	570.8	555.3	550.4
87.5°	1065.8	1017.3	930.4	851.8	770.6	700.9	657.5	619.3	585.0	570.7	567.6
90°	1065.4	1015.7	928.6	852.0	770.6	704.6	666.3	631.3	597.9	585.7	584.0
92.5°	1065.8	1017.3	930.4	851.8	770.6	700.9	657.5	619.3	585.0	570.7	567.6
95°	1061.9	1006.0	921.3	841.6	762.2	692.2	644.6	604.1	570.8	555.3	550.4
97.5°	1053.6	991.7	908.9	829.1	750.9	680.9	630.1	588.0	555.8	539.6	533.3
100°	1040.9	971.5	890.5	811.8	734.2	665.3	612.6	570.2	539.5	523.3	516.2
102.5°	1028.3	948.7	865.9	790.1	711.7	644.7	591.6	550.4	521.7	506.2	499.1
105°	1002.9	926.3	844.1	763.7	683.8	618.8	567.0	528.6	502.1	488.3	482.2
107.5°	975.8	897.2	811.9	730.3	656.6	594.5	543.7	507.4	480.8	469.3	465.6
110°	939.5	857.7	771.0	691.6	624.5	566.8	520.2	485.2	461.4	449.5	446.8



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	895.3	801.4	721.9	651.6	588.9	534.5	492.7	461.0	440.1	429.3	428.8
115°	824.7	741.0	671.0	607.9	551.3	503.0	463.9	434.3	415.9	407.4	408.7
117.5°	763.0	685.5	619.8	562.3	510.1	467.1	433.7	408.4	392.1	384.6	386.2
120°	702.0	633.9	571.0	513.5	468.9	431.5	401.1	379.0	367.3	362.0	362.1
122.5°	638.2	577.5	522.2	473.7	429.7	393.3	368.5	351.1	340.9	336.3	335.6
125°	572.5	520.5	475.1	432.4	396.4	365.0	338.4	322.1	313.5	308.3	306.7
127.5°	508.6	467.4	428.4	394.3	363.9	337.1	318.4	302.7	289.6	277.9	275.3
130°	449.7	416.9	385.3	357.5	331.9	313.2	297.3	283.6	272.5	262.4	253.8
132.5°	397.4	369.9	344.9	321.7	304.6	289.3	276.2	265.3	255.2	247.0	238.2
135°	348.1	325.5	307.9	291.9	278.4	266.1	256.0	246.5	238.7	230.8	222.4
137.5°	303.2	288.9	275.2	264.2	253.9	244.6	236.0	228.8	221.6	214.4	206.7
140°	267.5	256.1	246.4	238.3	230.7	223.5	217.1	210.8	204.7	197.9	190.6
142.5°	237.4	229.0	221.0	215.2	209.1	203.4	198.5	193.5	187.5	180.8	174.4
145°	211.4	204.9	199.1	193.2	188.6	185.0	181.0	175.4	169.4	163.7	157.9
147.5°	187.0	182.1	178.5	175.2	171.5	166.6	161.5	156.4	151.4	146.1	141.7
150°	165.8	163.5	161.3	157.6	153.6	148.9	143.8	137.9	132.9	129.1	125.0
152.5°	148.0	146.2	143.7	140.7	137.3	133.3	129.3	124.3	119.4	114.0	108.8
155°	132.4	130.8	128.6	125.9	123.2	120.4	117.0	113.0	108.7	104.2	100.0
157.5°	119.1	118.1	116.6	114.8	112.6	109.5	106.0	102.4	98.6	95.2	91.9
160°	110.1	108.4	106.1	103.6	100.9	98.0	95.0	92.0	89.0	86.0	82.9
162.5°	97.5	95.6	93.4	91.1	88.6	86.1	83.6	81.0	78.4	75.7	73.0
165°	82.5	80.8	79.0	77.2	75.4	73.5	71.5	69.3	67.1	64.9	62.7
167.5°	67.2	66.1	64.8	63.5	62.1	60.7	59.1	57.5	55.8	54.0	52.1
170°	52.7	52.0	51.2	50.2	49.2	48.1	46.9	45.7	44.3	42.9	41.4
172.5°	38.7	38.2	37.6	36.9	36.2	35.4	34.5	33.6	32.6	31.5	30.4
175°	24.5	24.2	23.9	23.5	23.0	22.5	21.9	21.3	20.6	19.9	19.2
177.5°	11.0	11.0	10.8	10.7	10.6	10.4	10.2	10.0	9.8	9.5	9.3
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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	9.0	8.7	8.4	8.1	7.7	7.4	7.0	6.6	6.2	5.8	5.4
5°	18.4	17.6	16.7	16.1	15.4	14.7	13.9	13.2	12.4	11.6	10.8
7.5°	29.2	28.0	26.6	25.3	23.9	22.4	20.9	19.7	18.5	17.3	16.1
10°	39.9	38.3	36.7	34.8	32.9	30.9	28.9	26.8	24.7	23.0	21.4
12.5°	50.2	48.2	46.1	44.0	41.8	39.4	36.9	34.3	31.6	28.9	26.6
15°	60.3	57.9	55.6	52.8	50.2	47.5	44.8	41.7	38.5	35.2	31.9
17.5°	70.5	67.3	64.4	61.4	58.3	55.3	52.2	49.0	45.4	41.6	37.7
20°	79.8	76.5	73.2	69.8	66.3	62.7	59.3	55.8	52.1	47.9	43.5
22.5°	88.6	85.2	81.6	78.0	74.1	70.2	66.1	62.3	58.4	54.1	49.2
25°	96.2	92.8	89.4	85.5	83.1	80.4	77.5	74.4	71.2	67.6	63.0
27.5°	105.6	103.7	102.4	100.8	98.5	96.1	93.2	90.2	86.7	82.8	78.1
30°	121.8	118.7	116.4	115.1	113.4	111.0	108.4	105.4	102.5	97.9	93.3
32.5°	137.3	133.7	130.7	128.6	127.3	125.4	122.9	120.2	117.2	113.0	107.9
35°	152.9	148.3	144.8	142.0	140.4	139.1	137.0	134.7	131.7	128.1	122.6
37.5°	168.2	163.0	158.3	155.4	153.2	151.9	150.5	148.3	145.8	143.1	137.3
40°	183.7	177.1	172.1	167.8	165.7	164.3	163.5	161.7	159.5	157.1	152.0
42.5°	198.7	191.7	185.2	180.6	177.7	176.2	175.7	174.7	172.9	170.9	166.6
45°	214.0	205.7	198.7	193.1	188.9	187.9	187.6	187.3	185.9	184.4	181.2
47.5°	228.7	219.9	211.9	205.4	200.8	200.7	202.7	203.4	201.7	198.8	194.7
50°	243.8	235.3	235.2	235.0	233.4	230.5	228.6	225.5	220.7	214.7	208.0
52.5°	274.7	274.6	276.8	276.7	272.0	263.6	257.0	249.5	241.0	231.5	221.7
55°	308.1	310.9	315.5	319.8	313.2	300.5	287.7	275.4	262.5	249.3	236.0
57.5°	338.4	343.9	351.6	360.7	355.3	339.8	320.5	302.9	285.2	268.1	251.1
60°	366.0	374.0	385.2	397.8	398.5	381.4	355.2	332.0	309.3	287.6	266.6
62.5°	392.2	402.2	416.3	432.9	442.6	424.9	392.0	362.8	334.5	307.9	282.7
65°	416.5	428.4	445.0	466.3	487.2	467.9	431.0	394.8	360.6	328.8	299.2
67.5°	438.8	452.9	471.8	498.0	523.2	510.4	471.2	427.8	387.5	350.1	316.0
70°	459.6	476.6	498.5	526.1	549.6	538.3	494.6	444.3	399.2	357.9	321.2
72.5°	475.2	490.8	510.1	531.0	548.9	541.3	499.8	449.9	404.3	362.1	324.5
75°	486.9	501.4	520.4	538.6	550.5	544.0	503.6	454.6	409.0	366.0	327.4
77.5°	499.5	512.2	531.2	548.3	554.0	546.5	506.2	458.5	413.0	369.6	330.0
80°	512.9	523.4	542.5	559.9	558.9	548.7	507.5	461.7	416.5	372.9	332.3
82.5°	526.8	535.0	554.3	572.7	564.8	550.3	507.8	464.2	419.5	375.7	335.5
85°	541.2	547.1	566.7	586.4	571.4	553.0	508.4	467.1	422.9	379.0	336.6
87.5°	556.0	559.3	579.3	600.6	578.5	552.2	505.9	467.3	424.1	380.5	337.7
90°	571.0	572.6	593.0	614.2	584.8	551.4	503.4	467.5	425.2	382.0	338.8
92.5°	556.0	559.3	579.3	600.6	578.5	552.2	505.9	467.3	424.1	380.5	337.7
95°	541.2	547.1	566.7	586.4	571.4	553.0	508.4	467.1	422.9	379.0	336.6
97.5°	526.8	535.0	554.3	572.7	564.8	550.3	507.8	464.2	419.5	375.7	335.5
100°	512.9	523.4	542.5	559.9	558.9	548.7	507.5	461.7	416.5	372.9	332.3
102.5°	499.5	512.2	531.2	548.3	554.0	546.5	506.2	458.5	413.0	369.6	330.0
105°	486.9	501.4	520.4	538.6	550.5	544.0	503.6	454.6	409.0	366.0	327.4
107.5°	475.2	490.8	510.1	531.0	548.9	541.3	499.8	449.9	404.3	362.1	324.5
110°	459.6	476.6	498.5	526.1	549.6	538.3	494.6	444.3	399.2	357.9	321.2



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	438.8	452.9	471.8	498.0	523.2	510.4	471.2	427.8	387.5	350.1	316.0
115°	416.5	428.4	445.0	466.3	487.2	467.9	431.0	394.8	360.6	328.8	299.2
117.5°	392.2	402.2	416.3	432.9	442.6	424.9	392.0	362.8	334.5	307.9	282.7
120°	366.0	374.0	385.2	397.8	398.5	381.4	355.2	332.0	309.3	287.6	266.6
122.5°	338.4	343.9	351.6	360.7	355.3	339.8	320.5	302.9	285.2	268.1	251.1
125°	308.1	310.9	315.5	319.8	313.2	300.5	287.7	275.4	262.5	249.3	236.0
127.5°	274.7	274.6	276.8	276.7	272.0	263.6	257.0	249.5	241.0	231.5	221.7
130°	243.8	235.3	235.2	235.0	233.4	230.5	228.6	225.5	220.7	214.7	208.0
132.5°	228.7	219.9	211.9	205.4	200.8	200.7	202.7	203.4	201.7	198.8	194.7
135°	214.0	205.7	198.7	193.1	188.9	187.9	187.6	187.3	185.9	184.4	181.2
137.5°	198.7	191.7	185.2	180.6	177.7	176.2	175.7	174.7	172.9	170.9	166.6
140°	183.7	177.1	172.1	167.8	165.7	164.3	163.5	161.7	159.5	157.1	152.0
142.5°	168.2	163.0	158.3	155.4	153.2	151.9	150.5	148.3	145.8	143.1	137.3
145°	152.9	148.3	144.8	142.0	140.4	139.1	137.0	134.7	131.7	128.1	122.6
147.5°	137.3	133.7	130.7	128.6	127.3	125.4	122.9	120.2	117.2	113.0	107.9
150°	121.8	118.7	116.4	115.1	113.4	111.0	108.4	105.4	102.5	97.9	93.3
152.5°	105.6	103.7	102.4	100.8	98.5	96.1	93.2	90.2	86.7	82.8	78.1
155°	96.2	92.8	89.4	85.5	83.1	80.4	77.5	74.4	71.2	67.6	63.0
157.5°	88.6	85.2	81.6	78.0	74.1	70.2	66.1	62.3	58.4	54.1	49.2
160°	79.8	76.5	73.2	69.8	66.3	62.7	59.3	55.8	52.1	47.9	43.5
162.5°	70.5	67.3	64.4	61.4	58.3	55.3	52.2	49.0	45.4	41.6	37.7
165°	60.3	57.9	55.6	52.8	50.2	47.5	44.8	41.7	38.5	35.2	31.9
167.5°	50.2	48.2	46.1	44.0	41.8	39.4	36.9	34.3	31.6	28.9	26.6
170°	39.9	38.3	36.7	34.8	32.9	30.9	28.9	26.8	24.7	23.0	21.4
172.5°	29.2	28.0	26.6	25.3	23.9	22.4	20.9	19.7	18.5	17.3	16.1
175°	18.4	17.6	16.7	16.1	15.4	14.7	13.9	13.2	12.4	11.6	10.8
177.5°	9.0	8.7	8.4	8.1	7.7	7.4	7.0	6.6	6.2	5.8	5.4
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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	5.0	4.5	4.1	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4
5°	9.9	9.0	8.1	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.8
7.5°	14.8	13.5	12.2	10.9	10.8	10.8	10.7	10.6	10.4	10.3	10.1
10°	19.7	18.0	16.3	14.5	14.4	14.3	14.2	14.0	13.9	13.7	13.4
12.5°	24.5	22.4	20.3	18.1	18.0	17.9	17.7	17.5	17.2	17.0	16.7
15°	29.4	26.9	24.3	21.7	21.6	21.4	21.1	20.9	20.6	20.2	19.9
17.5°	34.1	31.3	28.3	25.4	25.1	24.9	24.6	24.3	23.9	23.5	23.1
20°	39.0	35.6	32.3	29.0	28.7	28.4	28.0	27.6	27.2	26.7	26.4
22.5°	44.2	40.0	36.3	32.6	32.3	31.9	31.4	31.0	30.4	30.0	29.7
25°	57.9	53.1	49.0	44.7	43.9	42.9	41.7	40.3	38.9	37.7	36.4
27.5°	72.4	66.6	61.8	56.8	55.5	54.0	52.2	50.3	48.4	46.6	44.7
30°	86.8	80.2	74.7	69.0	67.1	65.0	62.5	59.9	57.5	55.1	52.6
32.5°	101.3	94.0	87.6	81.1	78.6	75.9	72.6	69.3	66.3	63.2	60.1
35°	115.9	107.9	100.5	93.2	90.1	86.5	82.5	78.5	74.7	71.0	67.3
37.5°	130.4	121.7	113.5	105.3	101.4	97.1	92.1	87.4	82.9	78.4	73.9
40°	145.0	135.6	126.5	117.5	112.8	107.5	101.6	96.0	90.6	85.6	80.1
42.5°	159.5	149.5	139.5	129.6	124.0	117.8	111.1	104.4	98.3	92.8	85.9
45°	173.7	163.4	152.5	141.7	135.3	127.9	120.1	112.5	105.8	99.0	91.4
47.5°	185.1	173.6	161.5	149.4	141.1	132.3	123.6	115.8	109.2	102.1	94.3
50°	196.5	183.8	170.5	157.1	146.7	136.3	126.5	118.0	110.9	103.4	95.1
52.5°	208.3	194.0	179.6	164.8	152.3	140.1	129.4	120.3	112.6	104.8	96.4
55°	220.4	204.2	188.6	172.5	157.7	143.9	132.2	122.6	114.3	106.3	98.2
57.5°	232.7	214.4	197.7	180.2	163.0	147.5	134.9	124.8	116.1	108.0	100.5
60°	245.3	224.6	206.8	187.9	168.3	151.1	137.7	127.0	118.0	110.1	103.5
62.5°	258.0	234.8	216.0	195.6	173.5	154.6	140.4	129.2	120.0	112.5	106.3
65°	270.9	245.0	225.1	203.3	178.7	158.0	143.1	131.4	122.1	115.2	109.8
67.5°	283.9	255.2	234.2	211.0	183.8	161.5	145.8	133.7	124.3	118.2	113.4
70°	288.0	258.3	234.7	209.9	182.6	160.2	144.4	132.4	123.5	118.4	114.2
72.5°	291.1	261.3	235.1	208.8	181.3	158.9	142.7	130.8	122.2	117.5	113.3
75°	294.0	264.2	236.5	207.7	180.1	157.7	141.0	129.3	121.0	116.6	112.5
77.5°	296.7	267.2	236.6	206.6	179.0	156.6	139.5	127.9	119.9	115.8	111.7
80°	299.2	271.2	236.6	205.6	178.0	155.5	138.0	126.5	118.9	115.0	111.1
82.5°	302.2	273.6	236.7	204.5	177.0	154.6	136.5	125.3	118.0	114.3	110.5
85°	303.8	276.1	236.8	203.4	176.0	153.7	135.2	124.2	117.1	113.6	110.0
87.5°	305.5	278.5	236.9	202.3	175.1	153.0	133.9	123.2	116.4	113.0	109.5
90°	307.1	281.0	237.0	201.2	174.3	152.3	132.8	122.2	115.7	112.4	109.1
92.5°	305.5	278.5	236.9	202.3	175.1	153.0	133.9	123.2	116.4	113.0	109.5
95°	303.8	276.1	236.8	203.4	176.0	153.7	135.2	124.2	117.1	113.6	110.0
97.5°	302.2	273.6	236.7	204.5	177.0	154.6	136.5	125.3	118.0	114.3	110.5
100°	299.2	271.2	236.6	205.6	178.0	155.5	138.0	126.5	118.9	115.0	111.1
102.5°	296.7	267.2	236.6	206.6	179.0	156.6	139.5	127.9	119.9	115.8	111.7
105°	294.0	264.2	236.5	207.7	180.1	157.7	141.0	129.3	121.0	116.6	112.5
107.5°	291.1	261.3	235.1	208.8	181.3	158.9	142.7	130.8	122.2	117.5	113.3
110°	288.0	258.3	234.7	209.9	182.6	160.2	144.4	132.4	123.5	118.4	114.2



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	283.9	255.2	234.2	211.0	183.8	161.5	145.8	133.7	124.3	118.2	113.4
115°	270.9	245.0	225.1	203.3	178.7	158.0	143.1	131.4	122.1	115.2	109.8
117.5°	258.0	234.8	216.0	195.6	173.5	154.6	140.4	129.2	120.0	112.5	106.3
120°	245.3	224.6	206.8	187.9	168.3	151.1	137.7	127.0	118.0	110.1	103.5
122.5°	232.7	214.4	197.7	180.2	163.0	147.5	134.9	124.8	116.1	108.0	100.5
125°	220.4	204.2	188.6	172.5	157.7	143.9	132.2	122.6	114.3	106.3	98.2
127.5°	208.3	194.0	179.6	164.8	152.3	140.1	129.4	120.3	112.6	104.8	96.4
130°	196.5	183.8	170.5	157.1	146.7	136.3	126.5	118.0	110.9	103.4	95.1
132.5°	185.1	173.6	161.5	149.4	141.1	132.3	123.6	115.8	109.2	102.1	94.3
135°	173.7	163.4	152.5	141.7	135.3	127.9	120.1	112.5	105.8	99.0	91.4
137.5°	159.5	149.5	139.5	129.6	124.0	117.8	111.1	104.4	98.3	92.8	85.9
140°	145.0	135.6	126.5	117.5	112.8	107.5	101.6	96.0	90.6	85.6	80.1
142.5°	130.4	121.7	113.5	105.3	101.4	97.1	92.1	87.4	82.9	78.4	73.9
145°	115.9	107.9	100.5	93.2	90.1	86.5	82.5	78.5	74.7	71.0	67.3
147.5°	101.3	94.0	87.6	81.1	78.6	75.9	72.6	69.3	66.3	63.2	60.1
150°	86.8	80.2	74.7	69.0	67.1	65.0	62.5	59.9	57.5	55.1	52.6
152.5°	72.4	66.6	61.8	56.8	55.5	54.0	52.2	50.3	48.4	46.6	44.7
155°	57.9	53.1	49.0	44.7	43.9	42.9	41.7	40.3	38.9	37.7	36.4
157.5°	44.2	40.0	36.3	32.6	32.3	31.9	31.4	31.0	30.4	30.0	29.7
160°	39.0	35.6	32.3	29.0	28.7	28.4	28.0	27.6	27.2	26.7	26.4
162.5°	34.1	31.3	28.3	25.4	25.1	24.9	24.6	24.3	23.9	23.5	23.1
165°	29.4	26.9	24.3	21.7	21.6	21.4	21.1	20.9	20.6	20.2	19.9
167.5°	24.5	22.4	20.3	18.1	18.0	17.9	17.7	17.5	17.2	17.0	16.7
170°	19.7	18.0	16.3	14.5	14.4	14.3	14.2	14.0	13.9	13.7	13.4
172.5°	14.8	13.5	12.2	10.9	10.8	10.8	10.7	10.6	10.4	10.3	10.1
175°	9.9	9.0	8.1	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.8
177.5°	5.0	4.5	4.1	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
5°	6.7	6.6	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0
7.5°	10.0	9.8	9.6	9.3	9.1	8.8	8.5	8.3	7.9	7.6	7.3
10°	13.2	12.9	12.6	12.3	12.0	11.7	11.3	11.0	10.6	10.2	9.8
12.5°	16.3	16.0	15.7	15.3	15.0	14.6	14.2	13.7	13.2	12.7	12.1
15°	19.5	19.2	18.8	18.4	18.0	17.4	16.9	16.2	15.6	14.9	14.3
17.5°	22.7	22.4	22.0	21.4	20.8	20.1	19.4	18.7	17.9	17.2	16.4
20°	26.0	25.6	24.9	24.2	23.4	22.7	21.9	21.1	20.3	19.6	18.8
22.5°	29.3	28.5	27.8	26.9	26.1	25.3	24.4	23.7	22.9	22.1	21.1
25°	34.8	33.1	31.3	29.7	28.7	28.0	27.2	26.4	25.4	24.3	23.1
27.5°	42.6	40.5	38.2	36.1	34.1	32.3	30.5	28.8	27.6	26.4	25.1
30°	50.0	47.2	44.5	41.8	39.2	36.8	34.5	32.3	30.4	28.7	27.1
32.5°	56.8	53.4	50.0	46.5	43.3	40.3	37.6	35.1	32.9	31.0	29.3
35°	63.2	59.0	54.5	50.3	46.5	43.0	40.0	37.3	35.0	32.9	30.7
37.5°	69.0	63.6	58.1	53.4	49.0	45.2	41.9	39.2	36.7	34.1	32.0
40°	74.2	67.4	61.3	55.8	51.1	46.8	43.7	40.7	37.9	35.5	33.6
42.5°	78.5	70.5	63.9	57.9	52.6	48.7	45.2	41.9	39.3	37.2	35.1
45°	82.2	73.6	66.0	59.6	54.3	50.2	46.5	43.3	41.0	38.8	36.5
47.5°	84.7	76.0	68.0	60.8	56.0	51.6	47.6	45.1	42.7	40.2	38.2
50°	85.9	77.8	70.1	63.3	58.0	53.0	49.5	46.9	44.2	42.0	39.8
52.5°	88.0	80.1	72.4	66.5	61.3	56.6	53.4	49.7	45.9	43.7	41.0
55°	90.4	82.8	75.4	69.9	65.0	61.5	58.5	54.8	50.5	46.4	42.4
57.5°	93.2	85.7	79.0	73.7	69.0	66.9	63.8	59.4	54.3	49.4	45.0
60°	96.5	88.9	82.8	77.8	74.2	72.5	69.3	63.4	57.5	52.0	47.0
62.5°	99.9	92.3	86.8	82.1	80.0	78.2	74.0	66.9	60.2	54.1	48.7
65°	103.5	96.3	91.0	86.7	86.1	84.1	77.9	69.9	62.5	55.8	50.0
67.5°	107.3	100.5	95.5	92.0	92.5	90.2	81.5	72.7	64.6	57.5	51.1
70°	108.7	103.2	99.1	97.6	98.6	95.3	84.8	75.2	66.5	58.8	52.0
72.5°	107.9	103.0	99.2	98.1	98.8	95.2	86.3	77.3	68.3	60.1	52.8
75°	107.4	103.1	99.2	98.3	98.3	94.1	86.8	78.3	69.3	61.2	53.8
77.5°	107.1	103.3	99.3	98.4	97.7	93.8	88.0	79.6	70.6	62.6	55.0
80°	106.9	103.6	99.3	98.2	97.2	94.2	89.8	81.2	72.2	64.3	56.4
82.5°	106.9	104.1	99.4	98.0	96.7	95.1	92.2	83.0	74.1	66.3	57.9
85°	107.0	104.6	99.6	97.6	96.2	96.4	94.9	85.1	76.2	68.6	59.7
87.5°	107.2	105.2	99.9	97.2	95.7	97.9	97.9	87.6	78.7	71.2	61.8
90°	107.5	105.9	100.2	96.9	95.3	99.4	101.0	90.4	81.5	74.1	64.3
92.5°	107.2	105.2	99.9	97.2	95.7	97.9	97.9	87.6	78.7	71.2	61.8
95°	107.0	104.6	99.6	97.6	96.2	96.4	94.9	85.1	76.2	68.6	59.7
97.5°	106.9	104.1	99.4	98.0	96.7	95.1	92.2	83.0	74.1	66.3	57.9
100°	106.9	103.6	99.3	98.2	97.2	94.2	89.8	81.2	72.2	64.3	56.4
102.5°	107.1	103.3	99.3	98.4	97.7	93.8	88.0	79.6	70.6	62.6	55.0
105°	107.4	103.1	99.2	98.3	98.3	94.1	86.8	78.3	69.3	61.2	53.8
107.5°	107.9	103.0	99.2	98.1	98.8	95.2	86.3	77.3	68.3	60.1	52.8
110°	108.7	103.2	99.1	97.6	98.6	95.3	84.8	75.2	66.5	58.8	52.0



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	107.3	100.5	95.5	92.0	92.5	90.2	81.5	72.7	64.6	57.5	51.1
115°	103.5	96.3	91.0	86.7	86.1	84.1	77.9	69.9	62.5	55.8	50.0
117.5°	99.9	92.3	86.8	82.1	80.0	78.2	74.0	66.9	60.2	54.1	48.7
120°	96.5	88.9	82.8	77.8	74.2	72.5	69.3	63.4	57.5	52.0	47.0
122.5°	93.2	85.7	79.0	73.7	69.0	66.9	63.8	59.4	54.3	49.4	45.0
125°	90.4	82.8	75.4	69.9	65.0	61.5	58.5	54.8	50.5	46.4	42.4
127.5°	88.0	80.1	72.4	66.5	61.3	56.6	53.4	49.7	45.9	43.7	41.0
130°	85.9	77.8	70.1	63.3	58.0	53.0	49.5	46.9	44.2	42.0	39.8
132.5°	84.7	76.0	68.0	60.8	56.0	51.6	47.6	45.1	42.7	40.2	38.2
135°	82.2	73.6	66.0	59.6	54.3	50.2	46.5	43.3	41.0	38.8	36.5
137.5°	78.5	70.5	63.9	57.9	52.6	48.7	45.2	41.9	39.3	37.2	35.1
140°	74.2	67.4	61.3	55.8	51.1	46.8	43.7	40.7	37.9	35.5	33.6
142.5°	69.0	63.6	58.1	53.4	49.0	45.2	41.9	39.2	36.7	34.1	32.0
145°	63.2	59.0	54.5	50.3	46.5	43.0	40.0	37.3	35.0	32.9	30.7
147.5°	56.8	53.4	50.0	46.5	43.3	40.3	37.6	35.1	32.9	31.0	29.3
150°	50.0	47.2	44.5	41.8	39.2	36.8	34.5	32.3	30.4	28.7	27.1
152.5°	42.6	40.5	38.2	36.1	34.1	32.3	30.5	28.8	27.6	26.4	25.1
155°	34.8	33.1	31.3	29.7	28.7	28.0	27.2	26.4	25.4	24.3	23.1
157.5°	29.3	28.5	27.8	26.9	26.1	25.3	24.4	23.7	22.9	22.1	21.1
160°	26.0	25.6	24.9	24.2	23.4	22.7	21.9	21.1	20.3	19.6	18.8
162.5°	22.7	22.4	22.0	21.4	20.8	20.1	19.4	18.7	17.9	17.2	16.4
165°	19.5	19.2	18.8	18.4	18.0	17.4	16.9	16.2	15.6	14.9	14.3
167.5°	16.3	16.0	15.7	15.3	15.0	14.6	14.2	13.7	13.2	12.7	12.1
170°	13.2	12.9	12.6	12.3	12.0	11.7	11.3	11.0	10.6	10.2	9.8
172.5°	10.0	9.8	9.6	9.3	9.1	8.8	8.5	8.3	7.9	7.6	7.3
175°	6.7	6.6	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0
177.5°	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.2	1.1
5°	4.7	4.5	4.2	4.0	3.7	3.5	3.2	2.9	2.7	2.4	2.1
7.5°	7.0	6.7	6.3	5.9	5.6	5.2	4.8	4.4	4.0	3.6	3.1
10°	9.4	8.9	8.4	7.9	7.4	6.8	6.3	5.8	5.2	4.7	4.1
12.5°	11.5	10.9	10.3	9.7	9.0	8.4	7.7	7.1	6.4	5.7	5.0
15°	13.6	12.9	12.1	11.4	10.7	9.9	9.2	8.4	7.6	6.8	6.0
17.5°	15.7	14.9	14.1	13.3	12.5	11.7	10.7	9.8	8.8	7.9	6.9
20°	18.0	17.1	16.1	15.1	14.1	13.1	12.1	11.0	9.9	8.9	7.8
22.5°	20.0	19.0	17.9	16.8	15.7	14.5	13.4	12.2	11.0	9.8	8.6
25°	22.0	20.8	19.6	18.4	17.1	15.9	14.6	13.3	12.0	10.6	9.3
27.5°	23.9	22.6	21.3	19.9	18.5	17.0	15.5	14.0	12.6	11.2	9.8
30°	25.7	24.3	22.7	21.0	19.4	17.9	16.5	15.0	13.5	12.0	10.5
32.5°	27.4	25.5	23.8	22.2	20.7	19.1	17.6	16.0	14.4	12.8	11.2
35°	28.6	26.9	25.2	23.6	21.9	20.3	18.6	17.0	15.3	13.6	11.8
37.5°	30.1	28.4	26.6	24.9	23.2	21.5	19.7	17.7	15.8	13.9	12.2
40°	31.7	29.8	28.0	26.2	24.3	22.2	20.1	18.2	16.4	14.6	12.7
42.5°	33.1	31.2	29.3	27.1	24.9	22.9	21.0	19.0	16.9	14.8	12.8
45°	34.6	32.6	30.2	27.9	25.8	23.7	21.4	19.1	17.2	15.3	13.3
47.5°	36.0	33.5	31.1	28.9	26.5	24.1	21.9	19.8	17.9	15.9	14.0
50°	37.1	34.6	32.1	29.5	27.0	24.7	22.6	20.6	18.6	16.5	14.5
52.5°	38.3	35.6	32.9	30.2	27.8	25.5	23.4	21.3	19.2	17.1	15.0
55°	39.3	36.5	33.7	31.0	28.7	26.4	24.2	22.0	19.7	17.4	15.0
57.5°	41.0	37.5	34.5	32.0	29.7	27.4	24.9	22.4	19.9	17.4	14.8
60°	42.7	38.8	35.6	33.1	30.7	28.0	25.3	22.8	20.1	17.3	14.7
62.5°	43.9	39.7	36.4	33.8	31.3	28.5	26.0	23.2	20.2	17.3	14.7
65°	44.8	40.4	37.0	34.0	30.9	28.7	26.6	23.4	20.0	16.9	14.1
67.5°	45.5	40.9	37.3	33.8	30.7	28.1	25.7	22.9	19.6	16.3	13.3
70°	46.1	41.3	37.3	33.4	30.2	27.2	24.2	21.3	18.5	15.5	12.4
72.5°	46.4	41.7	37.2	33.0	29.4	26.1	22.8	19.9	17.0	14.2	11.4
75°	47.0	41.9	37.0	32.4	28.6	24.9	21.7	18.7	15.7	12.8	10.5
77.5°	48.2	42.4	36.9	32.0	27.8	24.0	20.9	17.7	14.6	12.0	9.6
80°	49.3	42.9	36.9	31.7	27.0	23.1	19.9	17.0	14.0	11.4	8.2
82.5°	50.5	43.4	37.1	31.4	26.3	22.0	18.5	15.6	13.1	10.2	6.8
85°	51.9	44.1	37.5	31.3	25.7	20.9	17.3	14.4	12.0	9.2	6.2
87.5°	53.5	45.1	38.1	31.4	25.3	20.1	16.2	13.6	11.2	8.9	6.1
90°	55.4	46.4	39.1	31.8	25.3	19.5	15.5	13.0	10.6	9.0	6.5
92.5°	53.5	45.1	38.1	31.4	25.3	20.1	16.2	13.6	11.2	8.9	6.1
95°	51.9	44.1	37.5	31.3	25.7	20.9	17.3	14.4	12.0	9.2	6.2
97.5°	50.5	43.4	37.1	31.4	26.3	22.0	18.5	15.6	13.1	10.2	6.8
100°	49.3	42.9	36.9	31.7	27.0	23.1	19.9	17.0	14.0	11.4	8.2
102.5°	48.2	42.4	36.9	32.0	27.8	24.0	20.9	17.7	14.6	12.0	9.6
105°	47.0	41.9	37.0	32.4	28.6	24.9	21.7	18.7	15.7	12.8	10.5
107.5°	46.4	41.7	37.2	33.0	29.4	26.1	22.8	19.9	17.0	14.2	11.4
110°	46.1	41.3	37.3	33.4	30.2	27.2	24.2	21.3	18.5	15.5	12.4



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	45.5	40.9	37.3	33.8	30.7	28.1	25.7	22.9	19.6	16.3	13.3
115°	44.8	40.4	37.0	34.0	30.9	28.7	26.6	23.4	20.0	16.9	14.1
117.5°	43.9	39.7	36.4	33.8	31.3	28.5	26.0	23.2	20.2	17.3	14.7
120°	42.7	38.8	35.6	33.1	30.7	28.0	25.3	22.8	20.1	17.3	14.7
122.5°	41.0	37.5	34.5	32.0	29.7	27.4	24.9	22.4	19.9	17.4	14.8
125°	39.3	36.5	33.7	31.0	28.7	26.4	24.2	22.0	19.7	17.4	15.0
127.5°	38.3	35.6	32.9	30.2	27.8	25.5	23.4	21.3	19.2	17.1	15.0
130°	37.1	34.6	32.1	29.5	27.0	24.7	22.6	20.6	18.6	16.5	14.5
132.5°	36.0	33.5	31.1	28.9	26.5	24.1	21.9	19.8	17.9	15.9	14.0
135°	34.6	32.6	30.2	27.9	25.8	23.7	21.4	19.1	17.2	15.3	13.3
137.5°	33.1	31.2	29.3	27.1	24.9	22.9	21.0	19.0	16.9	14.8	12.8
140°	31.7	29.8	28.0	26.2	24.3	22.2	20.1	18.2	16.4	14.6	12.7
142.5°	30.1	28.4	26.6	24.9	23.2	21.5	19.7	17.7	15.8	13.9	12.2
145°	28.6	26.9	25.2	23.6	21.9	20.3	18.6	17.0	15.3	13.6	11.8
147.5°	27.4	25.5	23.8	22.2	20.7	19.1	17.6	16.0	14.4	12.8	11.2
150°	25.7	24.3	22.7	21.0	19.4	17.9	16.5	15.0	13.5	12.0	10.5
152.5°	23.9	22.6	21.3	19.9	18.5	17.0	15.5	14.0	12.6	11.2	9.8
155°	22.0	20.8	19.6	18.4	17.1	15.9	14.6	13.3	12.0	10.6	9.3
157.5°	20.0	19.0	17.9	16.8	15.7	14.5	13.4	12.2	11.0	9.8	8.6
160°	18.0	17.1	16.1	15.1	14.1	13.1	12.1	11.0	9.9	8.9	7.8
162.5°	15.7	14.9	14.1	13.3	12.5	11.7	10.7	9.8	8.8	7.9	6.9
165°	13.6	12.9	12.1	11.4	10.7	9.9	9.2	8.4	7.6	6.8	6.0
167.5°	11.5	10.9	10.3	9.7	9.0	8.4	7.7	7.1	6.4	5.7	5.0
170°	9.4	8.9	8.4	7.9	7.4	6.8	6.3	5.8	5.2	4.7	4.1
172.5°	7.0	6.7	6.3	5.9	5.6	5.2	4.8	4.4	4.0	3.6	3.1
175°	4.7	4.5	4.2	4.0	3.7	3.5	3.2	2.9	2.7	2.4	2.1
177.5°	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.2	1.1
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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	0.9	0.8	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
7.5°	2.7	2.2	1.8	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.8
10°	3.5	2.9	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
12.5°	4.3	3.6	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
15°	5.2	4.3	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
17.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
20°	6.7	5.6	4.5	3.4	2.2	1.1	0.0	1.1	2.2	3.4	4.5
22.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0	1.2	2.5	3.7	4.9
25°	7.9	6.6	5.3	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.3
27.5°	8.4	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
30°	9.0	7.6	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
32.5°	9.7	8.1	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
35°	10.1	8.4	6.7	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.7
37.5°	10.4	8.7	7.0	5.2	3.5	1.7	0.0	1.7	3.5	5.2	7.0
40°	10.8	8.9	7.1	5.3	3.5	1.7	0.0	1.7	3.5	5.3	7.1
42.5°	10.9	9.1	7.3	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.3
45°	11.5	9.7	7.9	6.1	4.4	2.6	0.8	2.6	4.4	6.1	7.9
47.5°	12.1	10.2	8.3	6.4	4.6	2.7	0.8	2.7	4.6	6.4	8.3
50°	12.6	10.6	8.6	6.6	4.7	2.7	0.8	2.7	4.7	6.6	8.6
52.5°	13.0	10.7	8.6	6.6	4.6	2.7	0.8	2.7	4.6	6.6	8.6
55°	12.6	10.4	8.3	6.4	4.5	2.6	0.8	2.6	4.5	6.4	8.3
57.5°	12.3	10.2	8.3	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.3
60°	12.5	10.3	8.2	6.2	4.3	2.5	0.8	2.5	4.3	6.2	8.2
62.5°	12.1	9.8	7.7	5.8	4.0	2.4	0.8	2.4	4.0	5.8	7.7
65°	11.4	9.1	7.0	5.2	3.6	2.2	0.8	2.2	3.6	5.2	7.0
67.5°	10.6	8.2	6.3	4.6	3.1	1.9	0.8	1.9	3.1	4.6	6.3
70°	9.6	7.4	5.4	3.7	2.5	1.6	0.8	1.6	2.5	3.7	5.4
72.5°	8.9	6.8	4.7	2.9	2.1	1.4	0.8	1.4	2.1	2.9	4.7
75°	8.6	6.4	4.2	2.6	1.6	1.2	0.8	1.2	1.6	2.6	4.2
77.5°	7.5	5.7	3.5	1.8	0.6	0.1	0.0	0.1	0.6	1.8	3.5
80°	5.8	3.9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
82.5°	4.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.8	3.9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
102.5°	7.5	5.7	3.5	1.8	0.6	0.1	0.0	0.1	0.6	1.8	3.5
105°	8.6	6.4	4.2	2.6	1.6	1.2	0.8	1.2	1.6	2.6	4.2
107.5°	8.9	6.8	4.7	2.9	2.1	1.4	0.8	1.4	2.1	2.9	4.7
110°	9.6	7.4	5.4	3.7	2.5	1.6	0.8	1.6	2.5	3.7	5.4



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	10.6	8.2	6.3	4.6	3.1	1.9	0.8	1.9	3.1	4.6	6.3
115°	11.4	9.1	7.0	5.2	3.6	2.2	0.8	2.2	3.6	5.2	7.0
117.5°	12.1	9.8	7.7	5.8	4.0	2.4	0.8	2.4	4.0	5.8	7.7
120°	12.5	10.3	8.2	6.2	4.3	2.5	0.8	2.5	4.3	6.2	8.2
122.5°	12.3	10.2	8.3	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.3
125°	12.6	10.4	8.3	6.4	4.5	2.6	0.8	2.6	4.5	6.4	8.3
127.5°	13.0	10.7	8.6	6.6	4.6	2.7	0.8	2.7	4.6	6.6	8.6
130°	12.6	10.6	8.6	6.6	4.7	2.7	0.8	2.7	4.7	6.6	8.6
132.5°	12.1	10.2	8.3	6.4	4.6	2.7	0.8	2.7	4.6	6.4	8.3
135°	11.5	9.7	7.9	6.1	4.4	2.6	0.8	2.6	4.4	6.1	7.9
137.5°	10.9	9.1	7.3	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.3
140°	10.8	8.9	7.1	5.3	3.5	1.7	0.0	1.7	3.5	5.3	7.1
142.5°	10.4	8.7	7.0	5.2	3.5	1.7	0.0	1.7	3.5	5.2	7.0
145°	10.1	8.4	6.7	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.7
147.5°	9.7	8.1	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
150°	9.0	7.6	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
152.5°	8.4	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
155°	7.9	6.6	5.3	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.3
157.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0	1.2	2.5	3.7	4.9
160°	6.7	5.6	4.5	3.4	2.2	1.1	0.0	1.1	2.2	3.4	4.5
162.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
165°	5.2	4.3	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
167.5°	4.3	3.6	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
170°	3.5	2.9	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
172.5°	2.7	2.2	1.8	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.8
175°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
177.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	0.8	0.9	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.2
5°	1.5	1.8	2.1	2.4	2.7	2.9	3.2	3.5	3.7	4.0	4.2
7.5°	2.2	2.7	3.1	3.6	4.0	4.4	4.8	5.2	5.6	5.9	6.3
10°	2.9	3.5	4.1	4.7	5.2	5.8	6.3	6.8	7.4	7.9	8.4
12.5°	3.6	4.3	5.0	5.7	6.4	7.1	7.7	8.4	9.0	9.7	10.3
15°	4.3	5.2	6.0	6.8	7.6	8.4	9.2	9.9	10.7	11.4	12.1
17.5°	5.0	6.0	6.9	7.9	8.8	9.8	10.7	11.7	12.5	13.3	14.1
20°	5.6	6.7	7.8	8.9	9.9	11.0	12.1	13.1	14.1	15.1	16.1
22.5°	6.2	7.4	8.6	9.8	11.0	12.2	13.4	14.5	15.7	16.8	17.9
25°	6.6	7.9	9.3	10.6	12.0	13.3	14.6	15.9	17.1	18.4	19.6
27.5°	7.0	8.4	9.8	11.2	12.6	14.0	15.5	17.0	18.5	19.9	21.3
30°	7.6	9.0	10.5	12.0	13.5	15.0	16.5	17.9	19.4	21.0	22.7
32.5°	8.1	9.7	11.2	12.8	14.4	16.0	17.6	19.1	20.7	22.2	23.8
35°	8.4	10.1	11.8	13.6	15.3	17.0	18.6	20.3	21.9	23.6	25.2
37.5°	8.7	10.4	12.2	13.9	15.8	17.7	19.7	21.5	23.2	24.9	26.6
40°	8.9	10.8	12.7	14.6	16.4	18.2	20.1	22.2	24.3	26.2	28.0
42.5°	9.1	10.9	12.8	14.8	16.9	19.0	21.0	22.9	24.9	27.1	29.3
45°	9.7	11.5	13.3	15.3	17.2	19.1	21.4	23.7	25.8	27.9	30.2
47.5°	10.2	12.1	14.0	15.9	17.9	19.8	21.9	24.1	26.5	28.9	31.1
50°	10.6	12.6	14.5	16.5	18.6	20.6	22.6	24.7	27.0	29.5	32.1
52.5°	10.7	13.0	15.0	17.1	19.2	21.3	23.4	25.5	27.8	30.2	32.9
55°	10.4	12.6	15.0	17.4	19.7	22.0	24.2	26.4	28.7	31.0	33.7
57.5°	10.2	12.3	14.8	17.4	19.9	22.4	24.9	27.4	29.7	32.0	34.5
60°	10.3	12.5	14.7	17.3	20.1	22.8	25.3	28.0	30.7	33.1	35.6
62.5°	9.8	12.1	14.7	17.3	20.2	23.2	26.0	28.5	31.3	33.8	36.4
65°	9.1	11.4	14.1	16.9	20.0	23.4	26.6	28.7	30.9	34.0	37.0
67.5°	8.2	10.6	13.3	16.3	19.6	22.9	25.7	28.1	30.7	33.8	37.3
70°	7.4	9.6	12.4	15.5	18.5	21.3	24.2	27.2	30.2	33.4	37.3
72.5°	6.8	8.9	11.4	14.2	17.0	19.9	22.8	26.1	29.4	33.0	37.2
75°	6.4	8.6	10.5	12.8	15.7	18.7	21.7	24.9	28.6	32.4	37.0
77.5°	5.7	7.5	9.6	12.0	14.6	17.7	20.9	24.0	27.8	32.0	36.9
80°	3.9	5.8	8.2	11.4	14.0	17.0	19.9	23.1	27.0	31.7	36.9
82.5°	1.9	4.1	6.8	10.2	13.1	15.6	18.5	22.0	26.3	31.4	37.1
85°	0.6	2.9	6.2	9.2	12.0	14.4	17.3	20.9	25.7	31.3	37.5
87.5°	0.2	2.8	6.1	8.9	11.2	13.6	16.2	20.1	25.3	31.4	38.1
90°	0.0	3.3	6.5	9.0	10.6	13.0	15.5	19.5	25.3	31.8	39.1
92.5°	0.2	2.8	6.1	8.9	11.2	13.6	16.2	20.1	25.3	31.4	38.1
95°	0.6	2.9	6.2	9.2	12.0	14.4	17.3	20.9	25.7	31.3	37.5
97.5°	1.9	4.1	6.8	10.2	13.1	15.6	18.5	22.0	26.3	31.4	37.1
100°	3.9	5.8	8.2	11.4	14.0	17.0	19.9	23.1	27.0	31.7	36.9
102.5°	5.7	7.5	9.6	12.0	14.6	17.7	20.9	24.0	27.8	32.0	36.9
105°	6.4	8.6	10.5	12.8	15.7	18.7	21.7	24.9	28.6	32.4	37.0
107.5°	6.8	8.9	11.4	14.2	17.0	19.9	22.8	26.1	29.4	33.0	37.2
110°	7.4	9.6	12.4	15.5	18.5	21.3	24.2	27.2	30.2	33.4	37.3



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	8.2	10.6	13.3	16.3	19.6	22.9	25.7	28.1	30.7	33.8	37.3
115°	9.1	11.4	14.1	16.9	20.0	23.4	26.6	28.7	30.9	34.0	37.0
117.5°	9.8	12.1	14.7	17.3	20.2	23.2	26.0	28.5	31.3	33.8	36.4
120°	10.3	12.5	14.7	17.3	20.1	22.8	25.3	28.0	30.7	33.1	35.6
122.5°	10.2	12.3	14.8	17.4	19.9	22.4	24.9	27.4	29.7	32.0	34.5
125°	10.4	12.6	15.0	17.4	19.7	22.0	24.2	26.4	28.7	31.0	33.7
127.5°	10.7	13.0	15.0	17.1	19.2	21.3	23.4	25.5	27.8	30.2	32.9
130°	10.6	12.6	14.5	16.5	18.6	20.6	22.6	24.7	27.0	29.5	32.1
132.5°	10.2	12.1	14.0	15.9	17.9	19.8	21.9	24.1	26.5	28.9	31.1
135°	9.7	11.5	13.3	15.3	17.2	19.1	21.4	23.7	25.8	27.9	30.2
137.5°	9.1	10.9	12.8	14.8	16.9	19.0	21.0	22.9	24.9	27.1	29.3
140°	8.9	10.8	12.7	14.6	16.4	18.2	20.1	22.2	24.3	26.2	28.0
142.5°	8.7	10.4	12.2	13.9	15.8	17.7	19.7	21.5	23.2	24.9	26.6
145°	8.4	10.1	11.8	13.6	15.3	17.0	18.6	20.3	21.9	23.6	25.2
147.5°	8.1	9.7	11.2	12.8	14.4	16.0	17.6	19.1	20.7	22.2	23.8
150°	7.6	9.0	10.5	12.0	13.5	15.0	16.5	17.9	19.4	21.0	22.7
152.5°	7.0	8.4	9.8	11.2	12.6	14.0	15.5	17.0	18.5	19.9	21.3
155°	6.6	7.9	9.3	10.6	12.0	13.3	14.6	15.9	17.1	18.4	19.6
157.5°	6.2	7.4	8.6	9.8	11.0	12.2	13.4	14.5	15.7	16.8	17.9
160°	5.6	6.7	7.8	8.9	9.9	11.0	12.1	13.1	14.1	15.1	16.1
162.5°	5.0	6.0	6.9	7.9	8.8	9.8	10.7	11.7	12.5	13.3	14.1
165°	4.3	5.2	6.0	6.8	7.6	8.4	9.2	9.9	10.7	11.4	12.2
167.5°	3.6	4.3	5.0	5.7	6.4	7.1	7.7	8.4	9.0	9.7	10.3
170°	2.9	3.5	4.1	4.7	5.2	5.8	6.3	6.8	7.4	7.9	8.4
172.5°	2.2	2.7	3.1	3.6	4.0	4.4	4.8	5.2	5.6	5.9	6.3
175°	1.5	1.8	2.1	2.4	2.7	2.9	3.2	3.5	3.7	4.0	4.2
177.5°	0.8	0.9	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2
5°	4.5	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4
7.5°	6.7	7.0	7.3	7.6	7.9	8.3	8.5	8.8	9.1	9.3	9.6
10°	8.9	9.4	9.8	10.2	10.6	11.0	11.3	11.7	12.0	12.3	12.6
12.5°	10.9	11.5	12.1	12.7	13.2	13.7	14.2	14.6	15.0	15.3	15.7
15°	12.9	13.6	14.3	14.9	15.6	16.2	16.9	17.4	18.0	18.4	18.8
17.5°	14.9	15.7	16.4	17.2	17.9	18.7	19.4	20.1	20.8	21.4	22.0
20°	17.1	18.0	18.8	19.6	20.3	21.1	21.9	22.7	23.4	24.2	24.9
22.5°	19.0	20.0	21.1	22.1	22.9	23.7	24.4	25.3	26.1	26.9	27.8
25°	20.8	22.0	23.1	24.3	25.4	26.4	27.2	28.0	28.7	29.7	31.3
27.5°	22.6	23.9	25.1	26.4	27.6	28.8	30.5	32.3	34.1	36.1	38.2
30°	24.3	25.7	27.1	28.7	30.4	32.3	34.5	36.8	39.2	41.8	44.5
32.5°	25.5	27.4	29.3	31.0	32.9	35.1	37.6	40.3	43.3	46.5	50.0
35°	26.9	28.6	30.7	32.9	35.0	37.3	40.0	43.0	46.5	50.3	54.5
37.5°	28.4	30.1	32.0	34.1	36.7	39.2	41.9	45.2	49.0	53.4	58.1
40°	29.8	31.7	33.6	35.5	37.9	40.7	43.7	46.8	51.1	55.8	61.3
42.5°	31.2	33.1	35.1	37.2	39.3	41.9	45.2	48.7	52.6	57.9	63.9
45°	32.6	34.6	36.5	38.8	41.0	43.3	46.5	50.2	54.3	59.6	66.0
47.5°	33.5	36.0	38.2	40.2	42.7	45.1	47.6	51.6	56.0	60.8	68.0
50°	34.6	37.1	39.8	42.0	44.2	46.9	49.5	53.0	58.0	63.3	70.1
52.5°	35.6	38.3	41.0	43.7	45.9	49.7	53.4	56.6	61.3	66.5	72.4
55°	36.5	39.3	42.4	46.4	50.5	54.8	58.5	61.5	65.0	69.9	75.4
57.5°	37.5	41.0	45.0	49.4	54.3	59.4	63.8	66.9	69.0	73.7	79.0
60°	38.8	42.7	47.0	52.0	57.5	63.4	69.3	72.5	74.2	77.8	82.8
62.5°	39.7	43.9	48.7	54.1	60.2	66.9	74.0	78.2	80.0	82.1	86.8
65°	40.4	44.8	50.0	55.8	62.5	69.9	77.9	84.1	86.1	86.7	91.0
67.5°	40.9	45.5	51.1	57.5	64.6	72.7	81.5	90.2	92.5	92.0	95.5
70°	41.3	46.1	52.0	58.8	66.5	75.2	84.8	95.3	98.6	97.6	99.1
72.5°	41.7	46.4	52.8	60.1	68.3	77.3	86.3	95.2	98.8	98.1	99.2
75°	41.9	47.0	53.8	61.2	69.3	78.3	86.8	94.1	98.3	98.3	99.2
77.5°	42.4	48.2	55.0	62.6	70.6	79.6	88.0	93.8	97.7	98.4	99.3
80°	42.9	49.3	56.4	64.3	72.2	81.2	89.8	94.2	97.2	98.2	99.3
82.5°	43.4	50.5	57.9	66.3	74.1	83.0	92.2	95.1	96.7	98.0	99.4
85°	44.1	51.9	59.7	68.6	76.2	85.1	94.9	96.4	96.2	97.6	99.6
87.5°	45.1	53.5	61.8	71.2	78.7	87.6	97.9	97.9	95.7	97.2	99.9
90°	46.4	55.4	64.3	74.1	81.5	90.4	101.0	99.4	95.3	96.9	100.2
92.5°	45.1	53.5	61.8	71.2	78.7	87.6	97.9	97.9	95.7	97.2	99.9
95°	44.1	51.9	59.7	68.6	76.2	85.1	94.9	96.4	96.2	97.6	99.6
97.5°	43.4	50.5	57.9	66.3	74.1	83.0	92.2	95.1	96.7	98.0	99.4
100°	42.9	49.3	56.4	64.3	72.2	81.2	89.8	94.2	97.2	98.2	99.3
102.5°	42.4	48.2	55.0	62.6	70.6	79.6	88.0	93.8	97.7	98.4	99.3
105°	41.9	47.0	53.8	61.2	69.3	78.3	86.8	94.1	98.3	98.3	99.2
107.5°	41.7	46.4	52.8	60.1	68.3	77.3	86.3	95.2	98.8	98.1	99.2
110°	41.3	46.1	52.0	58.8	66.5	75.2	84.8	95.3	98.6	97.6	99.1



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	40.9	45.5	51.1	57.5	64.6	72.7	81.5	90.2	92.5	92.0	95.5
115°	40.4	44.8	50.0	55.8	62.5	69.9	77.9	84.1	86.1	86.7	91.0
117.5°	39.7	43.9	48.7	54.1	60.2	66.9	74.0	78.2	80.0	82.1	86.8
120°	38.8	42.7	47.0	52.0	57.5	63.4	69.3	72.5	74.2	77.8	82.8
122.5°	37.5	41.0	45.0	49.4	54.3	59.4	63.8	66.9	69.0	73.7	79.0
125°	36.5	39.3	42.4	46.4	50.5	54.8	58.5	61.5	65.0	69.9	75.4
127.5°	35.6	38.3	41.0	43.7	45.9	49.7	53.4	56.6	61.3	66.5	72.4
130°	34.6	37.1	39.8	42.0	44.2	46.9	49.5	53.0	58.0	63.3	70.1
132.5°	33.5	36.0	38.2	40.2	42.7	45.1	47.6	51.6	56.0	60.8	68.0
135°	32.6	34.6	36.5	38.8	41.0	43.3	46.5	50.2	54.3	59.6	66.0
137.5°	31.2	33.1	35.1	37.2	39.3	41.9	45.2	48.7	52.6	57.9	63.9
140°	29.8	31.7	33.6	35.5	37.9	40.7	43.7	46.8	51.1	55.8	61.3
142.5°	28.4	30.1	32.0	34.1	36.7	39.2	41.9	45.2	49.0	53.4	58.1
145°	26.9	28.6	30.7	32.9	35.0	37.3	40.0	43.0	46.5	50.3	54.5
147.5°	25.5	27.4	29.3	31.0	32.9	35.1	37.6	40.3	43.3	46.5	50.0
150°	24.3	25.7	27.1	28.7	30.4	32.3	34.5	36.8	39.2	41.8	44.5
152.5°	22.6	23.9	25.1	26.4	27.6	28.8	30.5	32.3	34.1	36.1	38.2
155°	20.8	22.0	23.1	24.3	25.4	26.4	27.2	28.0	28.7	29.7	31.3
157.5°	19.0	20.0	21.1	22.1	22.9	23.7	24.4	25.3	26.1	26.9	27.8
160°	17.1	18.0	18.8	19.6	20.3	21.1	21.9	22.7	23.4	24.2	24.9
162.5°	14.9	15.7	16.4	17.2	17.9	18.7	19.4	20.1	20.8	21.4	22.0
165°	12.9	13.6	14.3	14.9	15.6	16.2	16.9	17.4	18.0	18.4	18.8
167.5°	10.9	11.5	12.1	12.7	13.2	13.7	14.2	14.6	15.0	15.3	15.7
170°	8.9	9.4	9.8	10.2	10.6	11.0	11.3	11.7	12.0	12.3	12.6
172.5°	6.7	7.0	7.3	7.6	7.9	8.3	8.5	8.8	9.1	9.3	9.6
175°	4.5	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3	6.4
177.5°	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2
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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6	4.1
5°	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.2	7.2	8.1
7.5°	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.8	10.9	12.2
10°	12.9	13.2	13.4	13.7	13.9	14.0	14.2	14.3	14.4	14.5	16.3
12.5°	16.0	16.3	16.7	17.0	17.2	17.5	17.7	17.9	18.0	18.1	20.3
15°	19.2	19.5	19.9	20.2	20.6	20.9	21.1	21.4	21.6	21.7	24.3
17.5°	22.4	22.7	23.1	23.5	23.9	24.3	24.6	24.9	25.1	25.4	28.3
20°	25.6	26.0	26.4	26.7	27.2	27.6	28.0	28.4	28.7	29.0	32.3
22.5°	28.5	29.3	29.7	30.0	30.4	31.0	31.4	31.9	32.3	32.6	36.3
25°	33.1	34.8	36.4	37.7	38.9	40.3	41.7	42.9	43.9	44.7	49.0
27.5°	40.5	42.6	44.7	46.6	48.4	50.3	52.2	54.0	55.5	56.8	61.8
30°	47.2	50.0	52.6	55.1	57.5	59.9	62.5	65.0	67.1	69.0	74.7
32.5°	53.4	56.8	60.1	63.2	66.3	69.3	72.6	75.9	78.6	81.1	87.6
35°	59.0	63.2	67.3	71.0	74.7	78.5	82.5	86.5	90.1	93.2	100.5
37.5°	63.6	69.0	73.9	78.4	82.9	87.4	92.1	97.1	101.4	105.3	113.5
40°	67.4	74.2	80.1	85.6	90.6	96.0	101.6	107.5	112.8	117.5	126.5
42.5°	70.5	78.5	85.9	92.8	98.3	104.4	111.1	117.8	124.0	129.6	139.5
45°	73.6	82.2	91.4	99.0	105.8	112.5	120.1	127.9	135.3	141.7	152.5
47.5°	76.0	84.7	94.3	102.1	109.2	115.8	123.6	132.3	141.1	149.4	161.5
50°	77.8	85.9	95.1	103.4	110.9	118.0	126.5	136.3	146.7	157.1	170.5
52.5°	80.1	88.0	96.4	104.8	112.6	120.3	129.4	140.1	152.3	164.8	179.6
55°	82.8	90.4	98.2	106.3	114.3	122.6	132.2	143.9	157.7	172.5	188.6
57.5°	85.7	93.2	100.5	108.0	116.1	124.8	134.9	147.5	163.0	180.2	197.7
60°	88.9	96.5	103.5	110.1	118.0	127.0	137.7	151.1	168.3	187.9	206.8
62.5°	92.3	99.9	106.3	112.5	120.0	129.2	140.4	154.6	173.5	195.6	216.0
65°	96.3	103.5	109.8	115.2	122.1	131.4	143.1	158.0	178.7	203.3	225.1
67.5°	100.5	107.3	113.4	118.2	124.3	133.7	145.8	161.5	183.8	211.0	234.2
70°	103.2	108.7	114.2	118.4	123.5	132.4	144.4	160.2	182.6	209.9	234.7
72.5°	103.0	107.9	113.3	117.5	122.2	130.8	142.7	158.9	181.3	208.8	235.1
75°	103.1	107.4	112.5	116.6	121.0	129.3	141.0	157.7	180.1	207.7	236.5
77.5°	103.3	107.1	111.7	115.8	119.9	127.9	139.5	156.6	179.0	206.6	236.6
80°	103.6	106.9	111.1	115.0	118.9	126.5	138.0	155.5	178.0	205.6	236.6
82.5°	104.1	106.9	110.5	114.3	118.0	125.3	136.5	154.6	177.0	204.5	236.7
85°	104.6	107.0	110.0	113.6	117.1	124.2	135.2	153.7	176.0	203.4	236.8
87.5°	105.2	107.2	109.5	113.0	116.4	123.2	133.9	153.0	175.1	202.3	236.9
90°	105.9	107.5	109.1	112.4	115.7	122.2	132.8	152.3	174.3	201.2	237.0
92.5°	105.2	107.2	109.5	113.0	116.4	123.2	133.9	153.0	175.1	202.3	236.9
95°	104.6	107.0	110.0	113.6	117.1	124.2	135.2	153.7	176.0	203.4	236.8
97.5°	104.1	106.9	110.5	114.3	118.0	125.3	136.5	154.6	177.0	204.5	236.7
100°	103.6	106.9	111.1	115.0	118.9	126.5	138.0	155.5	178.0	205.6	236.6
102.5°	103.3	107.1	111.7	115.8	119.9	127.9	139.5	156.6	179.0	206.6	236.6
105°	103.1	107.4	112.5	116.6	121.0	129.3	141.0	157.7	180.1	207.7	236.5
107.5°	103.0	107.9	113.3	117.5	122.2	130.8	142.7	158.9	181.3	208.8	235.1
110°	103.2	108.7	114.2	118.4	123.5	132.4	144.4	160.2	182.6	209.9	234.7



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	100.5	107.3	113.4	118.2	124.3	133.7	145.8	161.5	183.8	211.0	234.2
115°	96.3	103.5	109.8	115.2	122.1	131.4	143.1	158.0	178.7	203.3	225.1
117.5°	92.3	99.9	106.3	112.5	120.0	129.2	140.4	154.6	173.5	195.6	216.0
120°	88.9	96.5	103.5	110.1	118.0	127.0	137.7	151.1	168.3	187.9	206.8
122.5°	85.7	93.2	100.5	108.0	116.1	124.8	134.9	147.5	163.0	180.2	197.7
125°	82.8	90.4	98.2	106.3	114.3	122.6	132.2	143.9	157.7	172.5	188.6
127.5°	80.1	88.0	96.4	104.8	112.6	120.3	129.4	140.1	152.3	164.8	179.6
130°	77.8	85.9	95.1	103.4	110.9	118.0	126.5	136.3	146.7	157.1	170.5
132.5°	76.0	84.7	94.3	102.1	109.2	115.8	123.6	132.3	141.1	149.4	161.5
135°	73.6	82.2	91.4	99.0	105.8	112.5	120.1	127.9	135.3	141.7	152.5
137.5°	70.5	78.5	85.9	92.8	98.3	104.4	111.1	117.8	124.0	129.6	139.5
140°	67.4	74.2	80.1	85.6	90.6	96.0	101.6	107.5	112.8	117.5	126.5
142.5°	63.6	69.0	73.9	78.4	82.9	87.4	92.1	97.1	101.4	105.3	113.5
145°	59.0	63.2	67.3	71.0	74.7	78.5	82.5	86.5	90.1	93.2	100.5
147.5°	53.4	56.8	60.1	63.2	66.3	69.3	72.6	75.9	78.6	81.1	87.6
150°	47.2	50.0	52.6	55.1	57.5	59.9	62.5	65.0	67.1	69.0	74.7
152.5°	40.5	42.6	44.7	46.6	48.4	50.3	52.2	54.0	55.5	56.8	61.8
155°	33.1	34.8	36.4	37.7	38.9	40.3	41.7	42.9	43.9	44.7	49.0
157.5°	28.5	29.3	29.7	30.0	30.4	31.0	31.4	31.9	32.3	32.6	36.3
160°	25.6	26.0	26.4	26.7	27.2	27.6	28.0	28.4	28.7	29.0	32.3
162.5°	22.4	22.7	23.1	23.5	23.9	24.3	24.6	24.9	25.1	25.4	28.3
165°	19.2	19.5	19.9	20.2	20.6	20.9	21.1	21.4	21.6	21.7	24.3
167.5°	16.0	16.3	16.7	17.0	17.2	17.5	17.7	17.9	18.0	18.1	20.3
170°	12.9	13.2	13.4	13.7	13.9	14.0	14.2	14.3	14.4	14.5	16.3
172.5°	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.8	10.8	10.9	12.2
175°	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.2	7.2	8.1
177.5°	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6	4.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	4.5	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.7	8.1	8.4
5°	9.0	9.9	10.8	11.6	12.4	13.2	13.9	14.7	15.4	16.1	16.7
7.5°	13.5	14.8	16.1	17.3	18.5	19.7	20.9	22.4	23.9	25.3	26.6
10°	18.0	19.7	21.4	23.0	24.7	26.8	28.9	30.9	32.9	34.8	36.7
12.5°	22.4	24.5	26.6	28.9	31.6	34.3	36.9	39.4	41.8	44.0	46.1
15°	26.9	29.4	31.9	35.2	38.5	41.7	44.8	47.5	50.2	52.8	55.6
17.5°	31.3	34.1	37.7	41.6	45.4	49.0	52.2	55.3	58.3	61.4	64.4
20°	35.6	39.0	43.5	47.9	52.1	55.8	59.3	62.7	66.3	69.8	73.2
22.5°	40.0	44.2	49.2	54.1	58.4	62.3	66.1	70.2	74.1	78.0	81.6
25°	53.1	57.9	63.0	67.6	71.2	74.4	77.5	80.4	83.1	85.5	89.4
27.5°	66.6	72.4	78.1	82.8	86.7	90.2	93.2	96.1	98.5	100.8	102.4
30°	80.2	86.8	93.3	97.9	102.5	105.4	108.4	111.0	113.4	115.1	116.4
32.5°	94.0	101.3	107.9	113.0	117.2	120.2	122.9	125.4	127.3	128.6	130.7
35°	107.9	115.9	122.6	128.1	131.7	134.7	137.0	139.1	140.4	142.0	144.8
37.5°	121.7	130.4	137.3	143.1	145.8	148.3	150.5	151.9	153.2	155.4	158.3
40°	135.6	145.0	152.0	157.1	159.5	161.7	163.5	164.3	165.7	167.8	172.1
42.5°	149.5	159.5	166.6	170.9	172.9	174.7	175.7	176.2	177.7	180.6	185.2
45°	163.4	173.7	181.2	184.4	185.9	187.3	187.6	187.9	188.9	193.1	198.7
47.5°	173.6	185.1	194.7	198.8	201.7	203.4	202.7	200.7	200.8	205.4	211.9
50°	183.8	196.5	208.0	214.7	220.7	225.5	228.6	230.5	233.4	235.0	235.2
52.5°	194.0	208.3	221.7	231.5	241.0	249.5	257.0	263.6	272.0	276.7	276.8
55°	204.2	220.4	236.0	249.3	262.5	275.4	287.7	300.5	313.2	319.8	315.5
57.5°	214.4	232.7	251.1	268.1	285.2	302.9	320.5	339.8	355.3	360.7	351.6
60°	224.6	245.3	266.6	287.6	309.3	332.0	355.2	381.4	398.5	397.8	385.2
62.5°	234.8	258.0	282.7	307.9	334.5	362.8	392.0	424.9	442.6	432.9	416.3
65°	245.0	270.9	299.2	328.8	360.6	394.8	431.0	467.9	487.2	466.3	445.0
67.5°	255.2	283.9	316.0	350.1	387.5	427.8	471.2	510.4	523.2	498.0	471.8
70°	258.3	288.0	321.2	357.9	399.2	444.3	494.6	538.3	549.6	526.1	498.5
72.5°	261.3	291.1	324.5	362.1	404.3	449.9	499.8	541.3	548.9	531.0	510.1
75°	264.2	294.0	327.4	366.0	409.0	454.6	503.6	544.0	550.5	538.6	520.4
77.5°	267.2	296.7	330.0	369.6	413.0	458.5	506.2	546.5	554.0	548.3	531.2
80°	271.2	299.2	332.3	372.9	416.5	461.7	507.5	548.7	558.9	559.9	542.5
82.5°	273.6	302.2	335.5	375.7	419.5	464.2	507.8	550.3	564.8	572.7	554.3
85°	276.1	303.8	336.6	379.0	422.9	467.1	508.4	553.0	571.4	586.4	566.7
87.5°	278.5	305.5	337.7	380.5	424.1	467.3	505.9	552.2	578.5	600.6	579.3
90°	281.0	307.1	338.8	382.0	425.2	467.5	503.4	551.4	584.8	614.2	593.0
92.5°	278.5	305.5	337.7	380.5	424.1	467.3	505.9	552.2	578.5	600.6	579.3
95°	276.1	303.8	336.6	379.0	422.9	467.1	508.4	553.0	571.4	586.4	566.7
97.5°	273.6	302.2	335.5	375.7	419.5	464.2	507.8	550.3	564.8	572.7	554.3
100°	271.2	299.2	332.3	372.9	416.5	461.7	507.5	548.7	558.9	559.9	542.5
102.5°	267.2	296.7	330.0	369.6	413.0	458.5	506.2	546.5	554.0	548.3	531.2
105°	264.2	294.0	327.4	366.0	409.0	454.6	503.6	544.0	550.5	538.6	520.4
107.5°	261.3	291.1	324.5	362.1	404.3	449.9	499.8	541.3	548.9	531.0	510.1
110°	258.3	288.0	321.2	357.9	399.2	444.3	494.6	538.3	549.6	526.1	498.5



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	255.2	283.9	316.0	350.1	387.5	427.8	471.2	510.4	523.2	498.0	471.8
115°	245.0	270.9	299.2	328.8	360.6	394.8	431.0	467.9	487.2	466.3	445.0
117.5°	234.8	258.0	282.7	307.9	334.5	362.8	392.0	424.9	442.6	432.9	416.3
120°	224.6	245.3	266.6	287.6	309.3	332.0	355.2	381.4	398.5	397.8	385.2
122.5°	214.4	232.7	251.1	268.1	285.2	302.9	320.5	339.8	355.3	360.7	351.6
125°	204.2	220.4	236.0	249.3	262.5	275.4	287.7	300.5	313.2	319.8	315.5
127.5°	194.0	208.3	221.7	231.5	241.0	249.5	257.0	263.6	272.0	276.7	276.8
130°	183.8	196.5	208.0	214.7	220.7	225.5	228.6	230.5	233.4	235.0	235.2
132.5°	173.6	185.1	194.7	198.8	201.7	203.4	202.7	200.7	200.8	205.4	211.9
135°	163.4	173.7	181.2	184.4	185.9	187.3	187.6	187.9	188.9	193.1	198.7
137.5°	149.5	159.5	166.6	170.9	172.9	174.7	175.7	176.2	177.7	180.6	185.2
140°	135.6	145.0	152.0	157.1	159.5	161.7	163.5	164.3	165.7	167.8	172.1
142.5°	121.7	130.4	137.3	143.1	145.8	148.3	150.5	151.9	153.2	155.4	158.3
145°	107.9	115.9	122.6	128.1	131.7	134.7	137.0	139.1	140.4	142.0	144.8
147.5°	94.0	101.3	107.9	113.0	117.2	120.2	122.9	125.4	127.3	128.6	130.7
150°	80.2	86.8	93.3	97.9	102.5	105.4	108.4	111.0	113.4	115.1	116.4
152.5°	66.6	72.4	78.1	82.8	86.7	90.2	93.2	96.1	98.5	100.8	102.4
155°	53.1	57.9	63.0	67.6	71.2	74.4	77.5	80.4	83.1	85.5	89.4
157.5°	40.0	44.2	49.2	54.1	58.4	62.3	66.1	70.2	74.1	78.0	81.6
160°	35.6	39.0	43.5	47.9	52.1	55.8	59.3	62.7	66.3	69.8	73.2
162.5°	31.3	34.1	37.7	41.6	45.4	49.0	52.2	55.3	58.3	61.4	64.4
165°	26.9	29.4	31.9	35.2	38.5	41.7	44.8	47.5	50.2	52.8	55.6
167.5°	22.4	24.5	26.6	28.9	31.6	34.3	36.9	39.4	41.8	44.0	46.1
170°	18.0	19.7	21.4	23.0	24.7	26.8	28.9	30.9	32.9	34.8	36.7
172.5°	13.5	14.8	16.1	17.3	18.5	19.7	20.9	22.4	23.9	25.3	26.6
175°	9.0	9.9	10.8	11.6	12.4	13.2	13.9	14.7	15.4	16.1	16.7
177.5°	4.5	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.7	8.1	8.4
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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	8.7	9.0	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.7	10.8
5°	17.6	18.4	19.2	19.9	20.6	21.3	21.9	22.5	23.0	23.5	23.9
7.5°	28.0	29.2	30.4	31.5	32.6	33.6	34.5	35.4	36.2	36.9	37.6
10°	38.3	39.9	41.4	42.9	44.3	45.7	46.9	48.1	49.2	50.2	51.2
12.5°	48.2	50.2	52.1	54.0	55.8	57.5	59.1	60.7	62.1	63.5	64.8
15°	57.9	60.3	62.7	64.9	67.1	69.3	71.5	73.5	75.4	77.2	79.0
17.5°	67.3	70.5	73.0	75.7	78.4	81.0	83.6	86.1	88.6	91.1	93.4
20°	76.5	79.8	82.9	86.0	89.0	92.0	95.0	98.0	100.9	103.6	106.1
22.5°	85.2	88.6	91.9	95.2	98.6	102.4	106.0	109.5	112.6	114.8	116.6
25°	92.8	96.2	100.0	104.2	108.7	113.0	117.0	120.4	123.2	125.9	128.6
27.5°	103.7	105.6	108.8	114.0	119.4	124.3	129.3	133.3	137.3	140.7	143.7
30°	118.7	121.8	125.0	129.1	132.9	137.9	143.8	148.9	153.6	157.6	161.3
32.5°	133.7	137.3	141.7	146.1	151.4	156.4	161.5	166.6	171.5	175.2	178.5
35°	148.3	152.9	157.9	163.7	169.4	175.4	181.0	185.0	188.6	193.2	199.1
37.5°	163.0	168.2	174.4	180.8	187.5	193.5	198.5	203.4	209.1	215.2	221.0
40°	177.1	183.7	190.6	197.9	204.7	210.8	217.1	223.5	230.7	238.3	246.4
42.5°	191.7	198.7	206.7	214.4	221.6	228.8	236.0	244.6	253.9	264.2	275.2
45°	205.7	214.0	222.4	230.8	238.7	246.5	256.0	266.1	278.4	291.9	307.9
47.5°	219.9	228.7	238.2	247.0	255.2	265.3	276.2	289.3	304.6	321.7	344.9
50°	235.3	243.8	253.8	262.4	272.5	283.6	297.3	313.2	331.9	357.5	385.3
52.5°	274.6	274.7	275.3	277.9	289.6	302.7	318.4	337.1	363.9	394.3	428.4
55°	310.9	308.1	306.7	308.3	313.5	322.1	338.4	365.0	396.4	432.4	475.1
57.5°	343.9	338.4	335.6	336.3	340.9	351.1	368.5	393.3	429.7	473.7	522.2
60°	374.0	366.0	362.1	362.0	367.3	379.0	401.1	431.5	468.9	513.5	571.0
62.5°	402.2	392.2	386.2	384.6	392.1	408.4	433.7	467.1	510.1	562.3	619.8
65°	428.4	416.5	408.7	407.4	415.9	434.3	463.9	503.0	551.3	607.9	671.0
67.5°	452.9	438.8	428.8	429.3	440.1	461.0	492.7	534.5	588.9	651.6	721.9
70°	476.6	459.6	446.8	449.5	461.4	485.2	520.2	566.8	624.5	691.6	771.0
72.5°	490.8	475.2	465.6	469.3	480.8	507.4	543.7	594.5	656.6	730.3	811.9
75°	501.4	486.9	482.2	488.3	502.1	528.6	567.0	618.8	683.8	763.7	844.1
77.5°	512.2	499.5	499.1	506.2	521.7	550.4	591.6	644.7	711.7	790.1	865.9
80°	523.4	512.9	516.2	523.3	539.5	570.2	612.6	665.3	734.2	811.8	890.5
82.5°	535.0	526.8	533.3	539.6	555.8	588.0	630.1	680.9	750.9	829.1	908.9
85°	547.1	541.2	550.4	555.3	570.8	604.1	644.6	692.2	762.2	841.6	921.3
87.5°	559.3	556.0	567.6	570.7	585.0	619.3	657.5	700.9	770.6	851.8	930.4
90°	572.6	571.0	584.0	585.7	597.9	631.3	666.3	704.6	770.6	852.0	928.6
92.5°	559.3	556.0	567.6	570.7	585.0	619.3	657.5	700.9	770.6	851.8	930.4
95°	547.1	541.2	550.4	555.3	570.8	604.1	644.6	692.2	762.2	841.6	921.3
97.5°	535.0	526.8	533.3	539.6	555.8	588.0	630.1	680.9	750.9	829.1	908.9
100°	523.4	512.9	516.2	523.3	539.5	570.2	612.6	665.3	734.2	811.8	890.5
102.5°	512.2	499.5	499.1	506.2	521.7	550.4	591.6	644.7	711.7	790.1	865.9
105°	501.4	486.9	482.2	488.3	502.1	528.6	567.0	618.8	683.8	763.7	844.1
107.5°	490.8	475.2	465.6	469.3	480.8	507.4	543.7	594.5	656.6	730.3	811.9
110°	476.6	459.6	446.8	449.5	461.4	485.2	520.2	566.8	624.5	691.6	771.0



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	452.9	438.8	428.8	429.3	440.1	461.0	492.7	534.5	588.9	651.6	721.9
115°	428.4	416.5	408.7	407.4	415.9	434.3	463.9	503.0	551.3	607.9	671.0
117.5°	402.2	392.2	386.2	384.6	392.1	408.4	433.7	467.1	510.1	562.3	619.8
120°	374.0	366.0	362.1	362.0	367.3	379.0	401.1	431.5	468.9	513.5	571.0
122.5°	343.9	338.4	335.6	336.3	340.9	351.1	368.5	393.3	429.7	473.7	522.2
125°	310.9	308.1	306.7	308.3	313.5	322.1	338.4	365.0	396.4	432.4	475.1
127.5°	274.6	274.7	275.3	277.9	289.6	302.7	318.4	337.1	363.9	394.3	428.4
130°	235.3	243.8	253.8	262.4	272.5	283.6	297.3	313.2	331.9	357.5	385.3
132.5°	219.9	228.7	238.2	247.0	255.2	265.3	276.2	289.3	304.6	321.7	344.9
135°	205.7	214.0	222.4	230.8	238.7	246.5	256.0	266.1	278.4	291.9	307.9
137.5°	191.7	198.7	206.7	214.4	221.6	228.8	236.0	244.6	253.9	264.2	275.2
140°	177.1	183.7	190.6	197.9	204.7	210.8	217.1	223.5	230.7	238.3	246.4
142.5°	163.0	168.2	174.4	180.8	187.5	193.5	198.5	203.4	209.1	215.2	221.0
145°	148.3	152.9	157.9	163.7	169.4	175.4	181.0	185.0	188.6	193.2	199.1
147.5°	133.7	137.3	141.7	146.1	151.4	156.4	161.5	166.6	171.5	175.2	178.5
150°	118.7	121.8	125.0	129.1	132.9	137.9	143.8	148.9	153.6	157.6	161.3
152.5°	103.7	105.6	108.8	114.0	119.4	124.3	129.3	133.3	137.3	140.7	143.7
155°	92.8	96.2	100.0	104.2	108.7	113.0	117.0	120.4	123.2	125.9	128.6
157.5°	85.2	88.6	91.9	95.2	98.6	102.4	106.0	109.5	112.6	114.8	116.6
160°	76.5	79.8	82.9	86.0	89.0	92.0	95.0	98.0	100.9	103.6	106.1
162.5°	67.3	70.5	73.0	75.7	78.4	81.0	83.6	86.1	88.6	91.1	93.4
165°	57.9	60.3	62.7	64.9	67.1	69.3	71.5	73.5	75.4	77.2	79.0
167.5°	48.2	50.2	52.1	54.0	55.8	57.5	59.1	60.7	62.1	63.5	64.8
170°	38.3	39.9	41.4	42.9	44.3	45.7	46.9	48.1	49.2	50.2	51.2
172.5°	28.0	29.2	30.4	31.5	32.6	33.6	34.5	35.4	36.2	36.9	37.6
175°	17.6	18.4	19.2	19.9	20.6	21.3	21.9	22.5	23.0	23.5	23.9
177.5°	8.7	9.0	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.7	10.8
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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-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°	11.0	11.0	11.1	11.1	11.2	11.2	11.5	11.4	11.2	11.1	10.9
5°	24.2	24.5	24.8	25.0	25.2	25.2	25.3	25.3	25.6	25.3	25.0
7.5°	38.2	38.7	39.1	39.5	39.8	40.0	40.1	40.1	40.1	40.3	39.9
10°	52.0	52.7	53.3	53.9	54.3	54.6	54.8	54.9	54.9	55.3	54.8
12.5°	66.1	67.2	68.3	69.1	69.9	70.6	71.0	71.4	71.6	71.7	71.9
15°	80.8	82.5	84.1	85.6	86.9	88.1	89.1	89.9	90.6	91.1	91.8
17.5°	95.6	97.5	99.1	100.6	101.9	102.9	103.8	104.5	105.0	105.3	105.8
20°	108.4	110.1	111.0	111.6	112.0	112.0	111.9	111.5	111.0	110.3	109.5
22.5°	118.1	119.1	120.2	121.1	121.6	121.8	121.6	121.1	120.4	119.3	118.3
25°	130.8	132.4	133.6	134.4	134.8	134.8	134.3	133.3	132.0	130.4	128.4
27.5°	146.2	148.0	149.2	150.1	151.0	151.5	151.6	151.3	150.6	149.5	147.9
30°	163.5	165.8	167.7	169.2	172.3	175.0	177.3	178.9	180.1	180.5	180.3
32.5°	182.1	187.0	191.6	195.9	200.3	204.6	208.4	211.4	213.8	215.5	216.2
35°	204.9	211.4	218.0	224.2	230.5	238.0	244.7	250.8	255.9	259.9	262.8
37.5°	229.0	237.4	247.7	257.7	267.3	278.2	288.5	297.7	305.8	312.4	317.5
40°	256.1	267.5	281.7	296.3	310.3	325.1	340.4	353.9	365.6	375.2	382.8
42.5°	288.9	303.2	320.9	342.5	362.8	382.0	401.2	418.4	433.4	446.0	456.0
45°	325.5	348.1	370.0	395.6	420.9	447.0	469.6	492.7	512.8	529.6	543.1
47.5°	369.9	397.4	425.0	454.3	487.7	519.0	550.5	580.7	607.4	630.0	648.3
50°	416.9	449.7	487.0	523.5	564.6	604.9	644.0	682.0	714.2	740.6	760.9
52.5°	467.4	508.6	554.8	601.4	652.6	704.6	751.3	798.0	838.0	871.0	896.6
55°	520.5	572.5	627.1	687.5	749.8	816.9	876.0	917.0	951.9	983.3	1010.3
57.5°	577.5	638.2	703.0	775.8	854.6	910.1	960.3	1002.6	1041.5	1077.6	1109.8
60°	633.9	702.0	779.1	856.6	926.1	982.7	1030.4	1075.0	1117.2	1157.0	1193.4
62.5°	685.5	763.0	849.0	931.0	991.6	1045.8	1090.7	1133.8	1176.6	1218.0	1256.5
65°	741.0	824.7	918.6	987.4	1044.5	1094.8	1138.9	1179.8	1224.0	1269.2	1308.8
67.5°	801.4	895.3	969.1	1030.5	1084.2	1132.8	1180.1	1227.1	1271.7	1315.7	1353.6
70°	857.7	939.5	1008.6	1064.0	1114.8	1166.1	1217.7	1267.9	1315.5	1358.7	1394.7
72.5°	897.2	975.8	1041.2	1092.9	1142.8	1193.6	1249.3	1303.2	1356.3	1399.4	1431.4
75°	926.3	1002.9	1064.1	1116.6	1169.2	1222.0	1275.7	1332.1	1383.9	1433.1	1470.0
77.5°	948.7	1028.3	1080.4	1136.1	1191.5	1247.3	1301.4	1352.2	1409.4	1462.4	1505.8
80°	971.5	1040.9	1092.8	1150.8	1207.7	1268.2	1319.7	1374.4	1429.1	1485.1	1525.9
82.5°	991.7	1053.6	1107.6	1163.1	1219.4	1275.6	1331.3	1389.4	1447.8	1508.0	1543.1
85°	1006.0	1061.9	1116.8	1171.7	1229.7	1286.8	1341.1	1396.0	1457.1	1518.1	1562.5
87.5°	1017.3	1065.8	1120.3	1174.1	1233.0	1294.5	1350.2	1408.0	1464.8	1523.8	1556.3
90°	1015.7	1065.4	1118.4	1170.5	1229.1	1295.1	1350.5	1409.2	1466.2	1524.8	1550.1
92.5°	1017.3	1065.8	1120.3	1174.1	1233.0	1294.5	1350.2	1408.0	1464.8	1523.8	1556.3
95°	1006.0	1061.9	1116.8	1171.7	1229.7	1286.8	1341.1	1396.0	1457.1	1518.1	1562.5
97.5°	991.7	1053.6	1107.6	1163.1	1219.4	1275.6	1331.3	1389.4	1447.8	1508.0	1543.1
100°	971.5	1040.9	1092.8	1150.8	1207.7	1268.2	1319.7	1374.4	1429.1	1485.1	1525.9
102.5°	948.7	1028.3	1080.4	1136.1	1191.5	1247.3	1301.4	1352.2	1409.4	1462.4	1505.8
105°	926.3	1002.9	1064.1	1116.6	1169.2	1222.0	1275.7	1332.1	1383.9	1433.1	1470.0
107.5°	897.2	975.8	1041.2	1092.9	1142.8	1193.6	1249.3	1303.2	1356.3	1399.4	1431.4
110°	857.7	939.5	1008.6	1064.0	1114.8	1166.1	1217.7	1267.9	1315.5	1358.7	1394.7



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	801.4	895.3	969.1	1030.5	1084.2	1132.8	1180.1	1227.1	1271.7	1315.7	1353.6
115°	741.0	824.7	918.6	987.4	1044.5	1094.8	1138.9	1179.8	1224.0	1269.2	1308.8
117.5°	685.5	763.0	849.0	931.0	991.6	1045.8	1090.7	1133.8	1176.6	1218.0	1256.5
120°	633.9	702.0	779.1	856.6	926.1	982.7	1030.4	1075.0	1117.2	1157.0	1193.4
122.5°	577.5	638.2	703.0	775.8	854.6	910.1	960.3	1002.6	1041.5	1077.6	1109.8
125°	520.5	572.5	627.1	687.5	749.8	816.9	876.0	917.0	951.9	983.3	1010.3
127.5°	467.4	508.6	554.8	601.4	652.6	704.6	751.3	798.0	838.0	871.0	896.6
130°	416.9	449.7	487.0	523.5	564.6	604.9	644.0	682.0	714.2	740.6	760.9
132.5°	369.9	397.4	425.0	454.3	487.7	519.0	550.5	580.7	607.4	630.0	648.3
135°	325.5	348.1	370.0	395.6	420.9	447.0	469.6	492.7	512.8	529.6	543.1
137.5°	288.9	303.2	320.9	342.5	362.8	382.0	401.2	418.4	433.4	446.0	456.0
140°	256.1	267.5	281.7	296.3	310.3	325.1	340.4	353.9	365.6	375.2	382.8
142.5°	229.0	237.4	247.7	257.7	267.3	278.2	288.5	297.7	305.8	312.4	317.5
145°	204.9	211.4	218.0	224.2	230.5	238.0	244.7	250.8	255.9	259.9	262.8
147.5°	182.1	187.0	191.6	195.9	200.3	204.6	208.4	211.4	213.8	215.5	216.2
150°	163.5	165.8	167.7	169.2	172.3	175.0	177.3	178.9	180.1	180.5	180.3
152.5°	146.2	148.0	149.2	150.1	151.0	151.5	151.6	151.3	150.6	149.5	147.9
155°	130.8	132.4	133.6	134.4	134.8	134.8	134.3	133.3	132.0	130.4	128.4
157.5°	118.1	119.1	120.2	121.1	121.6	121.8	121.6	121.1	120.4	119.3	118.3
160°	108.4	110.1	111.0	111.6	112.0	112.0	111.9	111.5	111.0	110.3	109.5
162.5°	95.6	97.5	99.1	100.6	101.9	102.9	103.8	104.5	105.0	105.3	105.8
165°	80.8	82.5	84.1	85.6	86.9	88.1	89.1	89.9	90.6	91.1	91.8
167.5°	66.1	67.2	68.3	69.1	69.9	70.6	71.0	71.4	71.6	71.7	71.9
170°	52.0	52.7	53.3	53.9	54.3	54.6	54.8	54.9	54.9	55.3	54.8
172.5°	38.2	38.7	39.1	39.5	39.8	40.0	40.1	40.1	40.1	40.3	39.9
175°	24.2	24.5	24.8	25.0	25.2	25.2	25.3	25.3	25.6	25.3	25.0
177.5°	11.0	11.0	11.1	11.1	11.2	11.2	11.5	11.4	11.2	11.1	10.9
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: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	10.8	10.6
5°	24.7	24.4
7.5°	39.5	39.1
10°	54.3	53.8
12.5°	71.4	70.9
15°	91.5	91.2
17.5°	105.5	105.1
20°	108.5	107.5
22.5°	116.6	114.9
25°	126.3	123.8
27.5°	146.1	143.4
30°	179.8	177.6
32.5°	216.6	215.0
35°	265.2	264.7
37.5°	321.9	322.6
40°	389.3	391.0
42.5°	464.7	467.5
45°	554.8	558.8
47.5°	664.5	670.4
50°	778.2	783.6
52.5°	918.5	924.5
55°	1035.5	1046.7
57.5°	1140.5	1157.5
60°	1228.6	1251.1
62.5°	1291.3	1321.2
65°	1342.8	1371.7
67.5°	1385.6	1412.4
70°	1423.6	1446.6
72.5°	1455.2	1472.7
75°	1492.7	1507.7
77.5°	1522.9	1531.3
80°	1542.2	1547.6
82.5°	1556.3	1557.4
85°	1567.4	1557.4
87.5°	1575.3	1568.0
90°	1575.3	1586.7
92.5°	1575.3	1568.0
95°	1567.4	1557.4
97.5°	1556.3	1557.4
100°	1542.2	1547.6
102.5°	1522.9	1531.3
105°	1492.7	1507.7
107.5°	1455.2	1472.7
110°	1423.6	1446.6



TEST NUMBER: P231938

CATALOG NUMBER: FVS4WM-2-LD4-40-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1385.6	1412.4
115°	1342.8	1371.7
117.5°	1291.3	1321.2
120°	1228.6	1251.1
122.5°	1140.5	1157.5
125°	1035.5	1046.7
127.5°	918.5	924.5
130°	778.2	783.6
132.5°	664.5	670.4
135°	554.8	558.8
137.5°	464.7	467.5
140°	389.3	391.0
142.5°	321.9	322.6
145°	265.2	264.7
147.5°	216.6	215.0
150°	179.8	177.6
152.5°	146.1	143.4
155°	126.3	123.8
157.5°	116.6	114.9
160°	108.5	107.5
162.5°	105.5	105.1
165°	91.5	91.2
167.5°	71.4	70.9
170°	54.3	53.8
172.5°	39.5	39.1
175°	24.7	24.4
177.5°	10.8	10.6
180°	0.0	0.0

(END OF REPORT)