

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: P231973

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-35-1STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

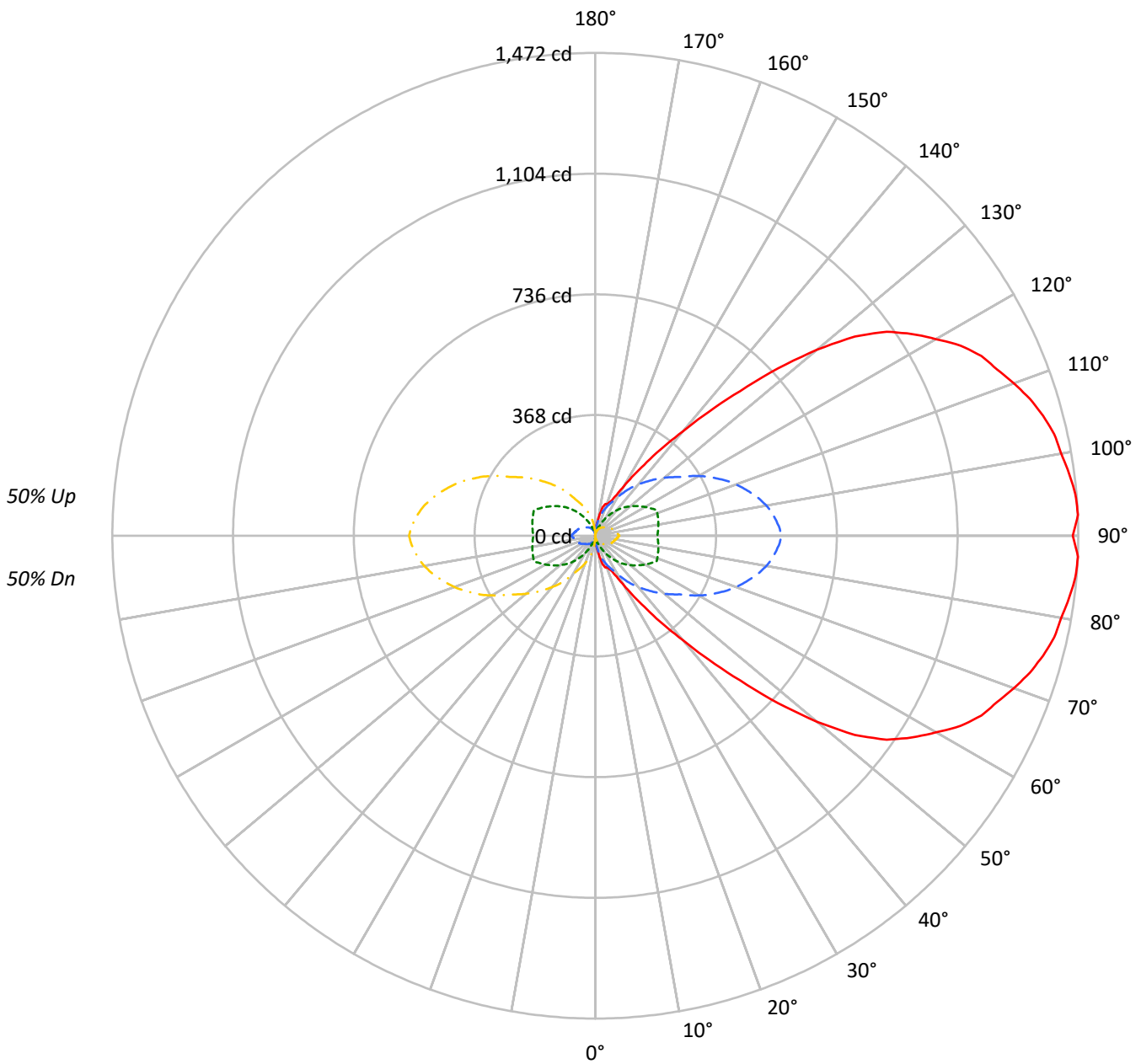
Lumens per Lamp: N/A
Luminaire Lumens: 3432.4 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 24.39 / 15.55 / 16.47
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 33.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



— 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	53	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	59	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	33	58	46	37	30	37	30	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	12	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12	12	12	12
5°	306	112	0	112
10°	635	211	0	211
15°	994	314	0	314
20°	1023	422	0	422
25°	1109	650	0	650
30°	1548	1011	0	1011
35°	2332	1412	7	1412
40°	3422	1867	7	1867
45°	5006	2398	6	2398
50°	6954	2988	6	2988
55°	8466	3715	6	3715
60°	9340	4648	6	4648
65°	10164	5891	6	5891
70°	10772	7255	6	7255
75°	11445	8858	6	8858
80°	12030	11581	0	11581
85°	12722	17166	0	17166



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	10.9	0.3
20°-30°	29.1	0.8
30°-40°	67.6	2.0
40°-50°	135.3	3.9
50°-60°	241.2	7.0
60°-70°	348.4	10.2
70°-80°	422.2	12.3
80°-90°	459.9	13.4
90°-100°	459.9	13.4
100°-110°	422.2	12.3
110°-120°	348.4	10.2
120°-130°	241.2	7.0
130°-140°	135.3	3.9
140°-150°	67.6	2.0
150°-160°	29.1	0.8
160°-170°	10.9	0.3
170°-180°	1.5	0.0
0°-30°	41.6	1.2
0°-40°	109.1	3.2
0°-60°	485.6	14.1
0°-90°	1716.2	50.0
90°-120°	1230.6	35.9
90°-150°	1674.6	48.8
90°-180°	1716.0	50.0
0°-180°	3432.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	23	7	0	7	23	3
15°	92	20	0	20	92	25
25°	118	40	0	40	118	60
35°	273	81	1	81	273	180
45°	623	121	1	121	623	497
55°	1084	157	1	157	1084	960
65°	1298	194	1	194	1298	1281
75°	1413	198	1	198	1413	1490
85°	1468	192	0	192	1468	1193
90°	1455	189	0	189	1455	802
95°	1468	192	0	192	1468	1193
105°	1413	198	1	198	1413	1490
115°	1298	194	1	194	1298	1281
125°	1084	157	1	157	1084	960
135°	623	121	1	121	623	497
145°	273	81	1	81	273	180
155°	118	40	0	40	118	60
165°	92	20	0	20	92	25
175°	23	7	0	7	23	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	10.4	10.5	10.7	10.8	11.0	11.1	11.2	10.9	10.9	10.9	10.9
5°	23.1	23.4	23.6	23.9	24.2	23.8	23.8	23.8	23.7	23.6	23.4
7.5°	40.7	41.0	41.3	41.6	41.2	41.0	40.8	40.5	40.1	39.6	39.0
10°	53.4	53.8	54.2	54.6	54.2	54.2	54.1	53.8	53.5	53.1	52.6
12.5°	73.3	73.6	73.9	73.3	72.9	72.4	71.7	70.9	69.9	68.8	67.6
15°	91.7	91.8	91.9	91.1	90.5	89.8	88.8	87.7	86.5	85.0	83.5
17.5°	102.0	102.3	102.6	102.3	102.0	101.6	101.0	100.3	99.4	98.2	96.9
20°	102.0	103.1	104.2	105.1	106.0	106.7	107.2	107.6	107.7	107.5	107.0
22.5°	109.2	111.1	112.9	114.1	115.2	116.2	116.8	117.0	116.9	116.4	115.5
25°	118.0	120.8	123.1	125.3	127.1	128.6	129.7	130.4	130.6	130.3	129.5
27.5°	141.1	144.0	145.9	147.5	148.6	149.2	149.3	149.0	148.2	146.9	145.8
30°	173.8	176.4	177.3	178.0	177.9	177.2	175.9	174.1	171.8	169.0	167.0
32.5°	220.0	221.6	220.8	219.6	217.3	214.2	210.2	205.6	200.4	195.5	191.6
35°	273.4	273.8	271.2	267.9	263.5	257.9	251.3	243.9	235.8	228.4	220.9
37.5°	340.4	339.1	333.6	327.3	319.3	309.9	299.2	287.5	275.3	264.8	254.0
40°	415.3	412.3	404.1	394.9	383.6	370.3	355.3	338.8	322.5	306.8	290.6
42.5°	512.6	507.1	494.2	480.0	462.8	443.1	421.1	397.2	376.0	354.5	332.1
45°	623.4	615.2	597.7	578.5	555.6	529.5	500.3	472.3	440.1	409.8	380.0
47.5°	754.9	742.7	718.8	692.7	662.2	627.7	590.0	551.4	513.4	474.0	439.6
50°	881.7	868.9	843.0	814.0	778.7	737.3	690.2	642.4	594.3	547.9	506.1
52.5°	997.2	989.9	968.1	941.3	905.2	859.3	803.3	746.5	686.8	629.4	577.5
55°	1084.1	1083.2	1069.8	1051.5	1024.5	988.1	939.5	870.3	791.8	721.2	653.3
57.5°	1144.7	1146.5	1139.3	1129.1	1113.4	1092.0	1055.2	983.9	911.1	819.3	735.2
60°	1198.9	1200.3	1193.7	1185.4	1173.7	1158.8	1123.7	1067.0	994.5	909.2	820.2
62.5°	1255.5	1252.2	1244.9	1234.3	1221.1	1206.1	1174.4	1126.9	1060.5	982.5	890.7
65°	1297.8	1292.5	1284.0	1273.1	1260.5	1247.9	1224.9	1188.6	1124.7	1043.1	950.4
67.5°	1324.9	1323.7	1318.3	1307.9	1291.9	1280.8	1269.4	1244.0	1196.5	1112.6	1010.1
70°	1357.6	1353.8	1347.2	1338.6	1329.2	1313.9	1298.2	1283.2	1255.5	1184.1	1074.0
72.5°	1388.6	1383.7	1375.0	1363.1	1351.4	1338.6	1324.3	1308.2	1284.3	1224.1	1126.5
75°	1412.6	1407.1	1398.2	1385.5	1370.5	1356.2	1342.2	1328.7	1309.5	1255.9	1161.8
77.5°	1432.5	1426.9	1417.5	1400.7	1383.4	1367.6	1359.1	1347.8	1329.3	1288.7	1195.0
80°	1442.1	1442.9	1433.3	1411.1	1391.4	1381.1	1369.9	1365.4	1349.2	1319.4	1223.5
82.5°	1456.4	1454.2	1441.0	1423.1	1407.7	1395.9	1380.6	1373.2	1361.6	1330.4	1250.6
85°	1468.4	1454.9	1436.3	1432.7	1422.0	1409.6	1390.6	1376.6	1366.8	1337.5	1269.4
87.5°	1472.3	1448.4	1449.9	1438.6	1421.0	1411.7	1394.3	1380.4	1370.6	1342.6	1278.0
90°	1454.8	1449.2	1450.0	1433.3	1411.0	1409.4	1394.2	1383.9	1371.9	1343.2	1274.6
92.5°	1472.3	1448.4	1449.9	1438.6	1421.0	1411.7	1394.3	1380.4	1370.6	1342.6	1278.0
95°	1468.4	1454.9	1436.3	1432.7	1422.0	1409.6	1390.6	1376.6	1366.8	1337.5	1269.4
97.5°	1456.4	1454.2	1441.0	1423.1	1407.7	1395.9	1380.6	1373.2	1361.6	1330.4	1250.6
100°	1442.1	1442.9	1433.3	1411.1	1391.4	1381.1	1369.9	1365.4	1349.2	1319.4	1223.5
102.5°	1432.5	1426.9	1417.5	1400.7	1383.4	1367.6	1359.1	1347.8	1329.3	1288.7	1195.0
105°	1412.6	1407.1	1398.2	1385.5	1370.5	1356.2	1342.2	1328.7	1309.5	1255.9	1161.8
107.5°	1388.6	1383.7	1375.0	1363.1	1351.4	1338.6	1324.3	1308.2	1284.3	1224.1	1126.5
110°	1357.6	1353.8	1347.2	1338.6	1329.2	1313.9	1298.2	1283.2	1255.5	1184.1	1074.0



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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°	1324.9	1323.7	1318.3	1307.9	1291.9	1280.8	1269.4	1244.0	1196.5	1112.6	1010.1
115°	1297.8	1292.5	1284.0	1273.1	1260.5	1247.9	1224.9	1188.6	1124.7	1043.1	950.4
117.5°	1255.5	1252.2	1244.9	1234.3	1221.1	1206.1	1174.4	1126.9	1060.5	982.5	890.7
120°	1198.9	1200.3	1193.7	1185.4	1173.7	1158.8	1123.7	1067.0	994.5	909.2	820.2
122.5°	1144.7	1146.5	1139.3	1129.1	1113.4	1092.0	1055.2	983.9	911.1	819.3	735.2
125°	1084.1	1083.2	1069.8	1051.5	1024.5	988.1	939.5	870.3	791.8	721.2	653.3
127.5°	997.2	989.9	968.1	941.3	905.2	859.3	803.3	746.5	686.8	629.4	577.5
130°	881.7	868.9	843.0	814.0	778.7	737.3	690.2	642.4	594.3	547.9	506.1
132.5°	754.9	742.7	718.8	692.7	662.2	627.7	590.0	551.4	513.4	474.0	439.6
135°	623.4	615.2	597.7	578.5	555.6	529.5	500.3	472.3	440.1	409.8	380.0
137.5°	512.6	507.1	494.2	480.0	462.8	443.1	421.1	397.2	376.0	354.5	332.1
140°	415.3	412.3	404.1	394.9	383.6	370.3	355.3	338.8	322.5	306.8	290.6
142.5°	340.4	339.1	333.6	327.3	319.3	309.9	299.2	287.5	275.3	264.8	254.0
145°	273.4	273.8	271.2	267.9	263.5	257.9	251.3	243.9	235.8	228.4	220.9
147.5°	220.0	221.6	220.8	219.6	217.3	214.2	210.2	205.6	200.4	195.5	191.6
150°	173.8	176.4	177.3	178.0	177.9	177.2	175.9	174.1	171.8	169.0	167.0
152.5°	141.1	144.0	145.9	147.5	148.6	149.2	149.3	149.0	148.2	146.9	145.8
155°	118.0	120.8	123.1	125.3	127.1	128.6	129.7	130.4	130.6	130.3	129.5
157.5°	109.2	111.1	112.9	114.1	115.2	116.2	116.8	117.0	116.9	116.4	115.5
160°	102.0	103.1	104.2	105.1	106.0	106.7	107.2	107.6	107.7	107.5	107.0
162.5°	102.0	102.3	102.6	102.3	102.0	101.6	101.0	100.3	99.4	98.2	96.9
165°	91.7	91.8	91.9	91.1	90.5	89.8	88.8	87.7	86.5	85.0	83.5
167.5°	73.3	73.6	73.9	73.3	72.9	72.4	71.7	70.9	69.9	68.8	67.6
170°	53.4	53.8	54.2	54.6	54.2	54.2	54.1	53.8	53.5	53.1	52.6
172.5°	40.7	41.0	41.3	41.6	41.2	41.0	40.8	40.5	40.1	39.6	39.0
175°	23.1	23.4	23.6	23.9	24.2	23.8	23.8	23.8	23.7	23.6	23.4
177.5°	10.4	10.5	10.7	10.8	11.0	11.1	11.2	10.9	10.9	10.9	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



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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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	10.8	10.7	10.6	10.5	10.4	10.2	10.0	9.9	9.7	9.4	9.2
5°	23.1	22.8	22.5	22.1	21.7	21.2	20.7	20.1	19.5	18.9	18.2
7.5°	38.4	37.6	36.8	35.9	34.9	33.9	32.8	31.6	30.4	29.3	28.3
10°	52.0	51.3	50.5	49.6	48.6	47.6	46.3	44.7	43.1	41.3	39.5
12.5°	66.2	64.8	63.2	61.5	59.9	58.6	57.2	55.7	54.1	52.4	50.6
15°	81.8	80.0	78.1	76.0	73.7	71.4	69.1	66.6	64.1	62.0	59.9
17.5°	95.4	93.8	91.5	89.0	86.5	83.8	81.1	78.3	75.3	72.4	69.4
20°	106.2	104.7	102.6	100.3	97.8	95.0	92.0	88.7	85.5	82.1	78.8
22.5°	114.5	113.6	112.3	110.6	108.3	105.4	102.1	98.5	94.7	90.9	87.2
25°	128.4	126.7	124.5	121.7	119.0	116.1	112.6	108.5	104.2	99.6	95.3
27.5°	144.7	142.9	140.4	137.4	133.8	129.5	125.3	120.1	114.8	109.1	103.7
30°	164.6	161.7	158.9	155.2	151.1	146.2	140.8	134.6	128.6	123.3	117.8
32.5°	187.3	182.8	178.7	174.6	170.2	164.9	158.8	152.3	145.8	139.1	133.0
35°	213.2	205.9	200.4	194.7	189.0	183.3	177.2	170.2	162.8	155.5	148.0
37.5°	242.8	233.2	224.0	216.0	208.5	201.4	194.5	187.4	179.7	171.4	163.3
40°	275.1	262.5	250.6	240.0	229.8	220.4	212.2	203.9	195.8	187.3	178.3
42.5°	312.9	296.0	279.7	266.4	254.0	241.6	230.2	221.0	211.5	202.5	193.1
45°	356.9	333.3	313.3	294.2	278.2	263.5	250.6	238.1	227.7	217.4	207.4
47.5°	407.0	375.6	349.6	325.0	304.6	286.3	270.8	257.0	243.8	232.5	221.4
50°	463.2	425.2	388.6	359.1	332.9	310.4	291.2	275.1	260.9	247.5	235.3
52.5°	525.8	478.7	434.1	395.1	362.5	335.1	312.2	293.3	277.9	262.7	252.4
55°	592.3	534.5	483.0	434.6	393.8	360.6	332.8	311.6	296.9	284.0	273.5
57.5°	661.9	593.4	532.1	477.4	427.7	386.6	359.9	337.9	318.9	304.3	292.8
60°	731.6	653.8	582.1	518.5	467.0	423.3	388.2	364.1	342.8	325.0	311.3
62.5°	798.8	710.5	633.7	566.9	507.7	457.4	418.4	389.5	366.9	345.1	328.9
65°	853.6	767.5	685.8	612.1	548.0	492.4	446.4	411.7	390.0	366.7	347.8
67.5°	911.7	821.4	735.0	654.9	583.9	522.8	473.1	435.7	410.5	388.4	366.1
70°	967.6	868.8	780.5	691.7	617.2	553.0	499.0	457.0	428.4	409.3	383.7
72.5°	1014.2	910.2	814.4	725.4	645.3	578.0	520.6	476.3	444.5	427.7	401.1
75°	1050.7	944.0	843.4	752.0	666.8	598.8	541.0	495.0	462.6	441.2	414.8
77.5°	1073.2	967.8	866.0	775.3	690.7	619.8	561.0	513.6	479.0	454.7	428.3
80°	1098.8	990.9	892.1	797.5	710.9	636.2	577.1	529.2	493.8	468.1	441.5
82.5°	1124.3	1010.5	911.4	813.6	725.8	648.2	589.4	542.1	507.0	481.2	454.0
85°	1136.8	1022.3	923.7	823.8	735.4	656.2	598.4	552.5	518.8	493.8	465.7
87.5°	1137.3	1030.0	932.4	830.8	742.3	662.0	605.6	561.6	529.9	506.2	477.0
90°	1127.2	1022.7	927.1	826.6	739.8	661.6	608.2	567.6	538.9	516.6	485.5
92.5°	1137.3	1030.0	932.4	830.8	742.3	662.0	605.6	561.6	529.9	506.2	477.0
95°	1136.8	1022.3	923.7	823.8	735.4	656.2	598.4	552.5	518.8	493.8	465.7
97.5°	1124.3	1010.5	911.4	813.6	725.8	648.2	589.4	542.1	507.0	481.2	454.0
100°	1098.8	990.9	892.1	797.5	710.9	636.2	577.1	529.2	493.8	468.1	441.5
102.5°	1073.2	967.8	866.0	775.3	690.7	619.8	561.0	513.6	479.0	454.7	428.3
105°	1050.7	944.0	843.4	752.0	666.8	598.8	541.0	495.0	462.6	441.2	414.8
107.5°	1014.2	910.2	814.4	725.4	645.3	578.0	520.6	476.3	444.5	427.7	401.1
110°	967.6	868.8	780.5	691.7	617.2	553.0	499.0	457.0	428.4	409.3	383.7



TEST NUMBER: P231973

CATALOG NUMBER: FVS4WM-4-LD4-35-1STD-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°	911.7	821.4	735.0	654.9	583.9	522.8	473.1	435.7	410.5	388.4	366.1
115°	853.6	767.5	685.8	612.1	548.0	492.4	446.4	411.7	390.0	366.7	347.8
117.5°	798.8	710.5	633.7	566.9	507.7	457.4	418.4	389.5	366.9	345.1	328.9
120°	731.6	653.8	582.1	518.5	467.0	423.3	388.2	364.1	342.8	325.0	311.3
122.5°	661.9	593.4	532.1	477.4	427.7	386.6	359.9	337.9	318.9	304.3	292.8
125°	592.3	534.5	483.0	434.6	393.8	360.6	332.8	311.6	296.9	284.0	273.5
127.5°	525.8	478.7	434.1	395.1	362.5	335.1	312.2	293.3	277.9	262.7	252.4
130°	463.2	425.2	388.6	359.1	332.9	310.4	291.2	275.1	260.9	247.5	235.3
132.5°	407.0	375.6	349.6	325.0	304.6	286.3	270.8	257.0	243.8	232.5	221.4
135°	356.9	333.3	313.3	294.2	278.2	263.5	250.6	238.1	227.7	217.4	207.4
137.5°	312.9	296.0	279.7	266.4	254.0	241.6	230.2	221.0	211.5	202.5	193.1
140°	275.1	262.5	250.6	240.0	229.8	220.4	212.2	203.9	195.8	187.3	178.3
142.5°	242.8	233.2	224.0	216.0	208.5	201.4	194.5	187.4	179.7	171.4	163.3
145°	213.2	205.9	200.4	194.7	189.0	183.3	177.2	170.2	162.8	155.5	148.0
147.5°	187.3	182.8	178.7	174.6	170.2	164.9	158.8	152.3	145.8	139.1	133.0
150°	164.6	161.7	158.9	155.2	151.1	146.2	140.8	134.6	128.6	123.3	117.8
152.5°	144.7	142.9	140.4	137.4	133.8	129.5	125.3	120.1	114.8	109.1	103.7
155°	128.4	126.7	124.5	121.7	119.0	116.1	112.6	108.5	104.2	99.6	95.3
157.5°	114.5	113.6	112.3	110.6	108.3	105.4	102.1	98.5	94.7	90.9	87.2
160°	106.2	104.7	102.6	100.3	97.8	95.0	92.0	88.7	85.5	82.1	78.8
162.5°	95.4	93.8	91.5	89.0	86.5	83.8	81.1	78.3	75.3	72.4	69.4
165°	81.8	80.0	78.1	76.0	73.7	71.4	69.1	66.6	64.1	62.0	59.9
167.5°	66.2	64.8	63.2	61.5	59.9	58.6	57.2	55.7	54.1	52.4	50.6
170°	52.0	51.3	50.5	49.6	48.6	47.6	46.3	44.7	43.1	41.3	39.5
172.5°	38.4	37.6	36.8	35.9	34.9	33.9	32.8	31.6	30.4	29.3	28.3
175°	23.1	22.8	22.5	22.1	21.7	21.2	20.7	20.1	19.5	18.9	18.2
177.5°	10.8	10.7	10.6	10.5	10.4	10.2	10.0	9.9	9.7	9.4	9.2
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: P231973

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	8.9	8.7	8.4	8.1	7.8	7.5	7.1	6.8	6.4	6.1	5.7
5°	17.5	16.7	15.9	15.3	14.7	14.1	13.4	12.7	12.0	11.3	10.5
7.5°	27.2	26.1	24.9	23.7	22.4	21.1	19.7	18.6	17.5	16.5	15.3
10°	37.7	35.7	33.9	32.1	30.4	28.7	26.9	25.0	23.1	21.6	20.1
12.5°	48.4	46.0	43.6	41.1	38.6	36.2	34.0	31.7	29.3	26.9	24.8
15°	57.6	55.3	53.2	50.0	47.0	44.1	41.1	38.3	35.4	32.6	29.6
17.5°	66.7	63.7	60.9	58.0	54.9	51.6	48.2	44.8	41.5	38.2	34.8
20°	75.4	72.1	68.8	65.5	62.1	58.6	54.9	51.2	47.5	43.7	39.9
22.5°	83.5	79.9	76.3	72.8	69.0	65.1	61.1	57.2	53.3	49.2	44.9
25°	90.9	86.9	83.0	79.3	76.7	73.6	70.2	66.7	63.2	59.5	55.4
27.5°	99.6	96.4	93.8	91.0	88.4	85.6	82.2	78.5	74.8	70.8	66.6
30°	113.3	109.0	105.4	102.6	99.7	96.9	93.8	90.1	86.5	82.0	77.7
32.5°	127.0	121.8	117.3	113.6	110.7	107.7	104.7	101.3	97.3	93.1	88.5
35°	141.2	134.6	129.3	124.6	121.2	118.2	115.2	112.3	108.2	104.0	99.2
37.5°	155.3	148.0	140.9	135.8	131.4	128.3	125.4	122.4	118.8	114.8	109.9
40°	169.5	160.9	153.4	146.4	141.7	138.0	135.2	132.3	129.0	125.1	120.4
42.5°	183.3	174.2	165.4	157.7	151.8	147.2	144.7	142.0	139.0	135.3	130.8
45°	197.1	186.8	177.5	169.0	161.3	156.9	153.7	151.4	148.6	145.2	141.1
47.5°	210.5	199.6	189.3	180.3	171.7	167.5	166.5	166.7	166.6	165.3	161.7
50°	223.6	212.7	205.5	200.0	195.3	191.7	189.8	189.4	189.8	189.6	185.0
52.5°	243.8	236.6	230.2	224.7	220.2	216.2	213.8	212.3	212.4	214.4	208.3
55°	265.2	258.9	253.4	248.4	244.5	240.9	237.8	235.3	234.4	238.3	231.8
57.5°	284.7	279.3	275.4	271.2	268.1	265.1	261.9	258.4	256.3	261.4	255.7
60°	302.1	298.1	295.4	293.0	290.8	288.8	286.1	281.7	279.1	284.1	279.7
62.5°	319.3	315.4	314.3	313.6	312.7	312.0	310.1	305.4	301.9	306.4	304.0
65°	335.8	331.1	331.8	333.3	333.9	334.6	333.6	329.2	324.7	328.4	328.4
67.5°	351.0	345.4	348.2	351.9	354.4	356.5	356.8	352.9	347.6	350.2	352.9
70°	365.8	359.8	363.6	368.6	370.9	372.2	371.6	367.5	361.9	361.2	359.5
72.5°	379.6	369.6	369.7	373.5	376.5	378.2	378.3	376.1	372.6	370.6	364.1
75°	389.9	377.0	375.0	378.4	382.0	384.2	384.7	384.0	382.8	380.9	369.0
77.5°	399.6	384.3	380.5	383.5	387.4	390.1	391.1	391.5	392.8	392.1	374.2
80°	408.7	391.3	386.3	388.5	392.8	396.1	397.3	398.6	402.6	403.8	379.5
82.5°	417.1	398.2	392.2	393.7	398.2	402.1	403.4	405.5	412.2	415.9	386.7
85°	424.8	404.9	398.3	398.9	403.6	408.0	409.5	412.0	421.5	428.8	390.9
87.5°	432.2	411.5	404.4	404.2	408.9	414.1	415.6	418.8	431.2	440.4	395.2
90°	438.4	417.7	410.5	409.7	414.5	420.1	421.7	425.7	440.8	452.0	399.4
92.5°	432.2	411.5	404.4	404.2	408.9	414.1	415.6	418.8	431.2	440.4	395.2
95°	424.8	404.9	398.3	398.9	403.6	408.0	409.5	412.0	421.5	428.8	390.9
97.5°	417.1	398.2	392.2	393.7	398.2	402.1	403.4	405.5	412.2	415.9	386.7
100°	408.7	391.3	386.3	388.5	392.8	396.1	397.3	398.6	402.6	403.8	379.5
102.5°	399.6	384.3	380.5	383.5	387.4	390.1	391.1	391.5	392.8	392.1	374.2
105°	389.9	377.0	375.0	378.4	382.0	384.2	384.7	384.0	382.8	380.9	369.0
107.5°	379.6	369.6	369.7	373.5	376.5	378.2	378.3	376.1	372.6	370.6	364.1
110°	365.8	359.8	363.6	368.6	370.9	372.2	371.6	367.5	361.9	361.2	359.5



TEST NUMBER: P231973

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	351.0	345.4	348.2	351.9	354.4	356.5	356.8	352.9	347.6	350.2	352.9
115°	335.8	331.1	331.8	333.3	333.9	334.6	333.6	329.2	324.7	328.4	328.4
117.5°	319.3	315.4	314.3	313.6	312.7	312.0	310.1	305.4	301.9	306.4	304.0
120°	302.1	298.1	295.4	293.0	290.8	288.8	286.1	281.7	279.1	284.1	279.7
122.5°	284.7	279.3	275.4	271.2	268.1	265.1	261.9	258.4	256.3	261.4	255.7
125°	265.2	258.9	253.4	248.4	244.5	240.9	237.8	235.3	234.4	238.3	231.8
127.5°	243.8	236.6	230.2	224.7	220.2	216.2	213.8	212.3	212.4	214.4	208.3
130°	223.6	212.7	205.5	200.0	195.3	191.7	189.8	189.4	189.8	189.6	185.0
132.5°	210.5	199.6	189.3	180.3	171.7	167.5	166.5	166.7	166.6	165.3	161.7
135°	197.1	186.8	177.5	169.0	161.3	156.9	153.7	151.4	148.6	145.2	141.1
137.5°	183.3	174.2	165.4	157.7	151.8	147.2	144.7	142.0	139.0	135.3	130.8
140°	169.5	160.9	153.4	146.4	141.7	138.0	135.2	132.3	129.0	125.1	120.4
142.5°	155.3	148.0	140.9	135.8	131.4	128.3	125.4	122.4	118.8	114.8	109.9
145°	141.2	134.6	129.3	124.6	121.2	118.2	115.2	112.3	108.2	104.0	99.2
147.5°	127.0	121.8	117.3	113.6	110.7	107.7	104.7	101.3	97.3	93.1	88.5
150°	113.3	109.0	105.4	102.6	99.7	96.9	93.8	90.1	86.5	82.0	77.7
152.5°	99.6	96.4	93.8	91.0	88.4	85.6	82.2	78.5	74.8	70.8	66.6
155°	90.9	86.9	83.0	79.3	76.7	73.6	70.2	66.7	63.2	59.5	55.4
157.5°	83.5	79.9	76.3	72.8	69.0	65.1	61.1	57.2	53.3	49.2	44.9
160°	75.4	72.1	68.8	65.5	62.1	58.6	54.9	51.2	47.5	43.7	39.9
162.5°	66.7	63.7	60.9	58.0	54.9	51.6	48.2	44.8	41.5	38.2	34.8
165°	57.6	55.3	53.2	50.0	47.0	44.1	41.1	38.3	35.4	32.6	29.6
167.5°	48.4	46.0	43.6	41.1	38.6	36.2	34.0	31.7	29.3	26.9	24.8
170°	37.7	35.7	33.9	32.1	30.4	28.7	26.9	25.0	23.1	21.6	20.1
172.5°	27.2	26.1	24.9	23.7	22.4	21.1	19.7	18.6	17.5	16.5	15.3
175°	17.5	16.7	15.9	15.3	14.7	14.1	13.4	12.7	12.0	11.3	10.5
177.5°	8.9	8.7	8.4	8.1	7.8	7.5	7.1	6.8	6.4	6.1	5.7
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: P231973

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.3	4.9	4.5	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.7
5°	9.8	9.0	8.2	7.4	7.3	7.2	7.0	6.9	6.8	6.6	6.5
7.5°	14.2	13.0	11.8	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.2
10°	18.6	17.1	15.5	13.9	13.7	13.5	13.2	12.9	12.6	12.3	12.2
12.5°	23.0	21.1	19.2	17.2	16.9	16.6	16.2	15.9	15.6	15.5	15.4
15°	27.3	25.1	22.8	20.5	20.1	19.7	19.3	18.9	18.8	18.8	18.7
17.5°	31.6	29.1	26.4	23.7	23.3	22.8	22.3	22.1	22.1	22.1	21.9
20°	36.0	33.0	30.0	27.0	26.5	25.9	25.3	25.4	25.4	25.4	25.1
22.5°	40.6	36.9	33.6	30.3	29.7	29.0	28.6	28.7	28.8	28.6	28.3
25°	51.1	47.1	43.8	40.4	39.9	39.3	39.0	38.9	38.3	37.1	35.8
27.5°	62.0	57.5	54.1	50.5	50.3	50.0	50.1	50.1	49.1	47.5	45.5
30°	72.8	67.7	64.2	60.6	60.8	60.7	61.2	61.5	59.6	57.6	54.5
32.5°	83.5	78.1	74.4	70.7	71.3	71.7	72.5	72.3	69.9	66.8	62.7
35°	94.1	88.5	84.5	80.8	81.8	82.7	83.9	82.9	80.0	75.4	70.3
37.5°	104.6	98.9	94.5	90.9	92.4	93.8	95.3	93.3	90.0	83.4	76.8
40°	115.1	109.1	104.6	101.0	103.1	105.0	106.8	103.6	98.4	90.9	82.6
42.5°	125.4	119.3	114.5	111.1	113.7	116.2	118.4	113.7	106.7	98.2	87.7
45°	135.6	129.5	124.5	121.2	124.5	127.5	128.9	123.7	114.6	103.9	92.2
47.5°	154.1	145.1	136.6	130.2	130.6	131.6	131.1	125.7	116.1	105.4	94.2
50°	174.2	161.4	148.9	139.3	136.5	135.2	132.3	125.6	115.4	104.3	93.8
52.5°	194.9	178.2	161.4	148.3	142.1	138.4	133.3	125.2	114.8	103.6	93.9
55°	216.3	195.4	174.2	157.3	147.6	141.4	134.3	125.0	114.3	103.3	94.5
57.5°	238.2	213.1	187.1	166.4	152.8	144.1	135.1	124.8	114.1	103.5	95.6
60°	260.5	231.0	200.1	175.4	157.9	146.5	135.8	124.8	114.2	104.4	97.4
62.5°	283.3	249.3	213.3	184.4	162.8	148.8	136.4	124.9	114.5	105.7	100.3
65°	306.4	267.8	226.6	193.5	167.6	150.9	137.0	125.2	115.0	107.3	103.8
67.5°	329.7	286.5	239.9	202.5	172.3	152.9	137.5	125.5	115.8	109.1	107.6
70°	331.9	286.5	239.2	201.0	171.0	151.6	136.1	124.4	115.1	109.1	109.0
72.5°	332.3	285.7	238.4	199.5	169.8	150.3	134.8	123.1	114.0	108.4	108.4
75°	332.5	284.7	238.9	198.0	168.7	149.1	133.4	122.0	113.2	107.7	107.8
77.5°	332.4	283.4	237.5	196.5	167.7	148.0	132.2	121.0	112.4	107.0	107.0
80°	332.2	283.4	236.0	194.9	166.7	147.0	131.1	120.0	111.7	106.4	106.1
82.5°	333.0	281.1	234.6	193.4	165.8	146.0	130.1	119.2	111.2	105.8	105.1
85°	331.4	278.8	233.2	191.9	164.9	145.1	129.1	118.4	110.7	105.3	104.1
87.5°	329.9	276.5	231.8	190.4	164.1	144.3	128.3	117.8	110.3	104.8	103.0
90°	328.4	274.2	230.4	188.9	163.4	143.5	127.5	117.2	110.0	104.4	102.0
92.5°	329.9	276.5	231.8	190.4	164.1	144.3	128.3	117.8	110.3	104.8	103.0
95°	331.4	278.8	233.2	191.9	164.9	145.1	129.1	118.4	110.7	105.3	104.1
97.5°	333.0	281.1	234.6	193.4	165.8	146.0	130.1	119.2	111.2	105.8	105.1
100°	332.2	283.4	236.0	194.9	166.7	147.0	131.1	120.0	111.7	106.4	106.1
102.5°	332.4	283.4	237.5	196.5	167.7	148.0	132.2	121.0	112.4	107.0	107.0
105°	332.5	284.7	238.9	198.0	168.7	149.1	133.4	122.0	113.2	107.7	107.8
107.5°	332.3	285.7	238.4	199.5	169.8	150.3	134.8	123.1	114.0	108.4	108.4
110°	331.9	286.5	239.2	201.0	171.0	151.6	136.1	124.4	115.1	109.1	109.0



TEST NUMBER: P231973

CATALOG NUMBER: FVS4WM-4-LD4-35-1STD-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°	329.7	286.5	239.9	202.5	172.3	152.9	137.5	125.5	115.8	109.1	107.6
115°	306.4	267.8	226.6	193.5	167.6	150.9	137.0	125.2	115.0	107.3	103.8
117.5°	283.3	249.3	213.3	184.4	162.8	148.8	136.4	124.9	114.5	105.7	100.3
120°	260.5	231.0	200.1	175.4	157.9	146.5	135.8	124.8	114.2	104.4	97.4
122.5°	238.2	213.1	187.1	166.4	152.8	144.1	135.1	124.8	114.1	103.5	95.6
125°	216.3	195.4	174.2	157.3	147.6	141.4	134.3	125.0	114.3	103.3	94.5
127.5°	194.9	178.2	161.4	148.3	142.1	138.4	133.3	125.2	114.8	103.6	93.9
130°	174.2	161.4	148.9	139.3	136.5	135.2	132.3	125.6	115.4	104.3	93.8
132.5°	154.1	145.1	136.6	130.2	130.6	131.6	131.1	125.7	116.1	105.4	94.2
135°	135.6	129.5	124.5	121.2	124.5	127.5	128.9	123.7	114.6	103.9	92.2
137.5°	125.4	119.3	114.5	111.1	113.7	116.2	118.4	113.7	106.7	98.2	87.7
140°	115.1	109.1	104.6	101.0	103.1	105.0	106.8	103.6	98.4	90.9	82.6
142.5°	104.6	98.9	94.5	90.9	92.4	93.8	95.3	93.3	90.0	83.4	76.8
145°	94.1	88.5	84.5	80.8	81.8	82.7	83.9	82.9	80.0	75.4	70.3
147.5°	83.5	78.1	74.4	70.7	71.3	71.7	72.5	72.3	69.9	66.8	62.7
150°	72.8	67.7	64.2	60.6	60.8	60.7	61.2	61.5	59.6	57.6	54.5
152.5°	62.0	57.5	54.1	50.5	50.3	50.0	50.1	50.1	49.1	47.5	45.5
155°	51.1	47.1	43.8	40.4	39.9	39.3	39.0	38.9	38.3	37.1	35.8
157.5°	40.6	36.9	33.6	30.3	29.7	29.0	28.6	28.7	28.8	28.6	28.3
160°	36.0	33.0	30.0	27.0	26.5	25.9	25.3	25.4	25.4	25.4	25.1
162.5°	31.6	29.1	26.4	23.7	23.3	22.8	22.3	22.1	22.1	22.1	21.9
165°	27.3	25.1	22.8	20.5	20.1	19.7	19.3	18.9	18.8	18.8	18.7
167.5°	23.0	21.1	19.2	17.2	16.9	16.6	16.2	15.9	15.6	15.5	15.4
170°	18.6	17.1	15.5	13.9	13.7	13.5	13.2	12.9	12.6	12.3	12.2
172.5°	14.2	13.0	11.8	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.2
175°	9.8	9.0	8.2	7.4	7.3	7.2	7.0	6.9	6.8	6.6	6.5
177.5°	5.3	4.9	4.5	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.7
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: P231973

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5
5°	6.3	6.1	5.9	5.7	5.5	5.4	5.3	5.1	4.9	4.8	4.6
7.5°	9.0	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.0
10°	12.1	12.0	11.8	11.6	11.4	11.1	10.8	10.4	10.1	9.7	9.3
12.5°	15.3	15.1	14.9	14.6	14.2	13.9	13.5	13.1	12.6	12.2	11.7
15°	18.5	18.2	17.9	17.5	17.1	16.7	16.2	15.7	15.2	14.7	14.0
17.5°	21.6	21.3	20.9	20.5	20.0	19.5	19.0	18.3	17.6	16.8	16.1
20°	24.8	24.4	23.9	23.5	22.9	22.2	21.5	20.7	19.8	19.0	18.1
22.5°	27.9	27.5	27.0	26.4	25.6	24.7	23.9	23.0	22.0	21.1	20.2
25°	34.2	32.6	30.9	29.1	28.1	27.2	26.2	25.2	24.4	23.5	22.6
27.5°	43.2	40.8	38.1	35.6	33.3	31.1	29.3	27.8	27.0	25.8	24.6
30°	51.3	47.8	44.3	41.1	38.2	35.7	33.7	31.8	29.9	28.1	26.5
32.5°	58.4	53.7	49.5	45.7	42.4	39.7	37.1	34.7	32.5	30.5	28.7
35°	64.4	58.8	53.9	49.5	45.9	42.7	39.6	36.9	34.7	32.5	30.2
37.5°	69.7	63.3	57.4	52.9	48.7	45.0	41.7	39.0	36.4	33.9	31.6
40°	74.3	67.1	60.8	55.6	50.9	46.8	43.6	40.6	37.8	35.3	33.2
42.5°	78.5	70.1	63.7	57.8	52.6	48.7	45.2	42.0	39.2	36.9	34.7
45°	82.1	73.3	65.9	59.7	54.5	50.4	46.7	43.4	40.8	38.4	36.2
47.5°	84.2	75.9	68.0	61.1	56.2	51.9	47.9	45.0	42.4	40.0	37.8
50°	84.4	77.4	70.8	64.8	59.3	53.6	49.6	46.6	44.0	41.7	39.3
52.5°	86.0	79.9	74.8	70.3	65.4	60.0	54.7	49.9	45.7	43.5	40.7
55°	88.3	83.8	80.1	76.6	72.0	66.6	61.0	55.7	51.1	46.6	42.5
57.5°	91.3	88.6	86.4	83.5	79.2	73.0	66.9	61.1	55.8	50.5	46.2
60°	95.0	94.3	93.3	90.8	86.0	79.3	72.4	66.0	59.7	54.0	49.3
62.5°	99.5	100.7	100.8	98.4	92.7	85.2	77.6	70.3	63.1	57.2	51.5
65°	104.9	107.7	108.9	106.4	99.2	90.9	82.5	74.2	66.4	59.8	53.4
67.5°	110.8	115.0	116.6	114.1	105.8	96.4	87.0	77.6	69.5	62.0	55.1
70°	113.7	119.4	122.6	120.5	111.9	101.7	91.2	80.9	72.2	64.0	56.5
72.5°	112.9	118.5	121.7	119.6	112.8	103.9	93.9	83.8	74.8	65.8	57.7
75°	111.9	117.5	121.1	119.4	113.7	105.3	95.5	85.8	76.7	67.6	59.4
77.5°	110.6	116.6	120.7	119.7	115.2	107.2	97.5	88.1	78.8	69.6	61.2
80°	109.1	115.6	120.4	120.5	117.2	109.3	100.0	90.8	81.2	71.8	63.2
82.5°	107.5	114.5	120.3	121.7	119.7	111.9	102.8	93.7	83.9	74.3	65.3
85°	105.7	113.4	120.1	123.1	122.4	114.7	106.0	97.0	87.0	77.0	67.6
87.5°	103.9	112.2	119.9	124.5	125.3	117.8	109.4	100.5	90.4	80.2	70.3
90°	102.0	110.8	119.6	126.0	128.3	121.2	113.2	104.4	94.1	83.7	73.3
92.5°	103.9	112.2	119.9	124.5	125.3	117.8	109.4	100.5	90.4	80.2	70.3
95°	105.7	113.4	120.1	123.1	122.4	114.7	106.0	97.0	87.0	77.0	67.6
97.5°	107.5	114.5	120.3	121.7	119.7	111.9	102.8	93.7	83.9	74.3	65.3
100°	109.1	115.6	120.4	120.5	117.2	109.3	100.0	90.8	81.2	71.8	63.2
102.5°	110.6	116.6	120.7	119.7	115.2	107.2	97.5	88.1	78.8	69.6	61.2
105°	111.9	117.5	121.1	119.4	113.7	105.3	95.5	85.8	76.7	67.6	59.4
107.5°	112.9	118.5	121.7	119.6	112.8	103.9	93.9	83.8	74.8	65.8	57.7
110°	113.7	119.4	122.6	120.5	111.9	101.7	91.2	80.9	72.2	64.0	56.5



TEST NUMBER: P231973

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	110.8	115.0	116.6	114.1	105.8	96.4	87.0	77.6	69.5	62.0	55.1
115°	104.9	107.7	108.9	106.4	99.2	90.9	82.5	74.2	66.4	59.8	53.4
117.5°	99.5	100.7	100.8	98.4	92.7	85.2	77.6	70.3	63.1	57.2	51.5
120°	95.0	94.3	93.3	90.8	86.0	79.3	72.4	66.0	59.7	54.0	49.3
122.5°	91.3	88.6	86.4	83.5	79.2	73.0	66.9	61.1	55.8	50.5	46.2
125°	88.3	83.8	80.1	76.6	72.0	66.6	61.0	55.7	51.1	46.6	42.5
127.5°	86.0	79.9	74.8	70.3	65.4	60.0	54.7	49.9	45.7	43.5	40.7
130°	84.4	77.4	70.8	64.8	59.3	53.6	49.6	46.6	44.0	41.7	39.3
132.5°	84.2	75.9	68.0	61.1	56.2	51.9	47.9	45.0	42.4	40.0	37.8
135°	82.1	73.3	65.9	59.7	54.5	50.4	46.7	43.4	40.8	38.4	36.2
137.5°	78.5	70.1	63.7	57.8	52.6	48.7	45.2	42.0	39.2	36.9	34.7
140°	74.3	67.1	60.8	55.6	50.9	46.8	43.6	40.6	37.8	35.3	33.2
142.5°	69.7	63.3	57.4	52.9	48.7	45.0	41.7	39.0	36.4	33.9	31.6
145°	64.4	58.8	53.9	49.5	45.9	42.7	39.6	36.9	34.7	32.5	30.2
147.5°	58.4	53.7	49.5	45.7	42.4	39.7	37.1	34.7	32.5	30.5	28.7
150°	51.3	47.8	44.3	41.1	38.2	35.7	33.7	31.8	29.9	28.1	26.5
152.5°	43.2	40.8	38.1	35.6	33.3	31.1	29.3	27.8	27.0	25.8	24.6
155°	34.2	32.6	30.9	29.1	28.1	27.2	26.2	25.2	24.4	23.5	22.6
157.5°	27.9	27.5	27.0	26.4	25.6	24.7	23.9	23.0	22.0	21.1	20.2
160°	24.8	24.4	23.9	23.5	22.9	22.2	21.5	20.7	19.8	19.0	18.1
162.5°	21.6	21.3	20.9	20.5	20.0	19.5	19.0	18.3	17.6	16.8	16.1
165°	18.5	18.2	17.9	17.5	17.1	16.7	16.2	15.7	15.2	14.7	14.0
167.5°	15.3	15.1	14.9	14.6	14.2	13.9	13.5	13.1	12.6	12.2	11.7
170°	12.1	12.0	11.8	11.6	11.4	11.1	10.8	10.4	10.1	9.7	9.3
172.5°	9.0	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.0
175°	6.3	6.1	5.9	5.7	5.5	5.4	5.3	5.1	4.9	4.8	4.6
177.5°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	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: P231973

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.4	2.3	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.1	1.0
5°	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.8	2.5	2.2	2.0
7.5°	6.7	6.3	6.0	5.7	5.3	4.9	4.6	4.2	3.8	3.4	3.0
10°	8.9	8.5	8.0	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0
12.5°	11.2	10.6	10.1	9.5	8.9	8.2	7.6	6.9	6.3	5.6	4.9
15°	13.3	12.6	11.9	11.2	10.4	9.7	8.9	8.1	7.4	6.6	5.8
17.5°	15.3	14.5	13.7	12.8	12.0	11.1	10.3	9.4	8.5	7.6	6.7
20°	17.2	16.3	15.5	14.6	13.7	12.8	11.8	10.8	9.7	8.7	7.6
22.5°	19.4	18.5	17.5	16.4	15.3	14.2	13.1	11.9	10.8	9.6	8.4
25°	21.5	20.4	19.2	18.0	16.8	15.5	14.3	13.0	11.7	10.4	9.0
27.5°	23.4	22.1	20.8	19.5	18.1	16.6	15.2	13.7	12.3	11.0	9.6
30°	25.2	23.8	22.2	20.5	18.9	17.5	16.1	14.7	13.2	11.8	10.3
32.5°	26.8	24.9	23.2	21.7	20.2	18.7	17.2	15.7	14.1	12.6	11.0
35°	28.1	26.4	24.7	23.1	21.5	19.9	18.1	16.4	14.8	13.2	11.6
37.5°	29.7	27.9	26.1	24.4	22.4	20.5	18.7	17.1	15.5	13.8	12.1
40°	31.2	29.3	27.4	25.3	23.2	21.3	19.6	17.7	15.8	14.0	12.3
42.5°	32.7	30.6	28.4	26.3	24.4	22.2	20.0	17.9	16.2	14.5	12.8
45°	34.0	31.8	29.6	27.5	25.2	22.9	20.8	18.7	16.9	15.0	13.2
47.5°	35.5	33.1	30.8	28.5	26.2	23.9	21.7	19.6	17.4	15.2	13.2
50°	36.8	34.4	32.1	29.6	27.2	24.8	22.4	19.9	17.5	15.4	13.5
52.5°	38.2	35.9	33.2	30.6	28.1	25.4	22.8	20.4	18.1	15.9	13.9
55°	39.9	37.1	34.3	31.5	28.7	26.0	23.4	21.0	18.6	16.4	14.3
57.5°	42.2	38.4	35.3	32.3	29.4	26.7	24.0	21.5	19.0	16.7	14.4
60°	44.5	40.2	36.5	33.2	30.2	27.3	24.4	21.6	18.9	16.4	14.1
62.5°	46.3	41.6	37.6	34.1	30.8	27.7	24.4	21.5	18.8	16.2	13.9
65°	47.7	42.8	38.6	34.7	31.2	27.5	24.4	21.5	18.4	15.8	13.4
67.5°	48.9	43.9	39.3	35.1	31.1	27.4	24.3	20.9	18.0	15.3	12.5
70°	50.1	44.7	39.9	35.3	31.0	27.3	23.4	20.1	17.5	14.4	11.8
72.5°	51.2	45.6	40.3	35.5	31.1	26.8	22.6	19.5	16.3	13.6	11.3
75°	52.5	46.4	40.8	35.8	31.1	26.1	22.1	18.6	15.3	12.5	10.2
77.5°	53.9	47.3	41.2	36.0	30.9	25.5	21.6	17.8	14.3	11.5	9.0
80°	55.5	48.2	41.6	35.8	30.1	25.0	20.9	17.2	13.5	10.6	7.8
82.5°	57.2	49.1	42.0	35.6	29.4	24.2	19.9	16.1	12.8	9.8	6.7
85°	59.1	50.2	42.6	35.7	29.1	23.5	19.0	15.4	12.5	9.6	6.5
87.5°	61.2	51.6	43.4	36.0	29.1	23.1	18.5	15.0	12.5	9.8	7.0
90°	63.8	53.4	44.6	36.7	29.5	23.1	18.3	15.1	12.8	10.4	8.0
92.5°	61.2	51.6	43.4	36.0	29.1	23.1	18.5	15.0	12.5	9.8	7.0
95°	59.1	50.2	42.6	35.7	29.1	23.5	19.0	15.4	12.5	9.6	6.5
97.5°	57.2	49.1	42.0	35.6	29.4	24.2	19.9	16.1	12.8	9.8	6.7
100°	55.5	48.2	41.6	35.8	30.1	25.0	20.9	17.2	13.5	10.6	7.8
102.5°	53.9	47.3	41.2	36.0	30.9	25.5	21.6	17.8	14.3	11.5	9.0
105°	52.5	46.4	40.8	35.8	31.1	26.1	22.1	18.6	15.3	12.5	10.2
107.5°	51.2	45.6	40.3	35.5	31.1	26.8	22.6	19.5	16.3	13.6	11.3
110°	50.1	44.7	39.9	35.3	31.0	27.3	23.4	20.1	17.5	14.4	11.8



TEST NUMBER: P231973

CATALOG NUMBER: FVS4WM-4-LD4-35-1STD-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°	48.9	43.9	39.3	35.1	31.1	27.4	24.3	20.9	18.0	15.3	12.5
115°	47.7	42.8	38.6	34.7	31.2	27.5	24.4	21.5	18.4	15.8	13.4
117.5°	46.3	41.6	37.6	34.1	30.8	27.7	24.4	21.5	18.8	16.2	13.9
120°	44.5	40.2	36.5	33.2	30.2	27.3	24.4	21.6	18.9	16.4	14.1
122.5°	42.2	38.4	35.3	32.3	29.4	26.7	24.0	21.5	19.0	16.7	14.4
125°	39.9	37.1	34.3	31.5	28.7	26.0	23.4	21.0	18.6	16.4	14.3
127.5°	38.2	35.9	33.2	30.6	28.1	25.4	22.8	20.4	18.1	15.9	13.9
130°	36.8	34.4	32.1	29.6	27.2	24.8	22.4	19.9	17.5	15.4	13.5
132.5°	35.5	33.1	30.8	28.5	26.2	23.9	21.7	19.6	17.4	15.2	13.2
135°	34.0	31.8	29.6	27.5	25.2	22.9	20.8	18.7	16.9	15.0	13.2
137.5°	32.7	30.6	28.4	26.3	24.4	22.2	20.0	17.9	16.2	14.5	12.8
140°	31.2	29.3	27.4	25.3	23.2	21.3	19.6	17.7	15.8	14.0	12.3
142.5°	29.7	27.9	26.1	24.4	22.4	20.5	18.7	17.1	15.5	13.8	12.1
145°	28.1	26.4	24.7	23.1	21.5	19.9	18.1	16.4	14.8	13.2	11.6
147.5°	26.8	24.9	23.2	21.7	20.2	18.7	17.2	15.7	14.1	12.6	11.0
150°	25.2	23.8	22.2	20.5	18.9	17.5	16.1	14.7	13.2	11.8	10.3
152.5°	23.4	22.1	20.8	19.5	18.1	16.6	15.2	13.7	12.3	11.0	9.6
155°	21.5	20.4	19.2	18.0	16.8	15.5	14.3	13.0	11.7	10.4	9.0
157.5°	19.4	18.5	17.5	16.4	15.3	14.2	13.1	11.9	10.8	9.6	8.4
160°	17.2	16.3	15.5	14.6	13.7	12.8	11.8	10.8	9.7	8.7	7.6
162.5°	15.3	14.5	13.7	12.8	12.0	11.1	10.3	9.4	8.5	7.6	6.7
165°	13.3	12.6	11.9	11.2	10.4	9.7	8.9	8.1	7.4	6.6	5.8
167.5°	11.2	10.6	10.1	9.5	8.9	8.2	7.6	6.9	6.3	5.6	4.9
170°	8.9	8.5	8.0	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0
172.5°	6.7	6.3	6.0	5.7	5.3	4.9	4.6	4.2	3.8	3.4	3.0
175°	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.8	2.5	2.2	2.0
177.5°	2.4	2.3	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.1	1.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231973

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.1
7.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
10°	3.4	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
12.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
15°	4.9	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
17.5°	5.8	4.8	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
20°	6.5	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
22.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
25°	7.7	6.4	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
27.5°	8.3	6.9	5.5	4.1	2.8	1.4	0.0	1.4	2.8	4.1	5.5
30°	8.9	7.4	5.9	4.4	3.0	1.5	0.0	1.5	3.0	4.4	5.9
32.5°	9.5	8.0	6.6	5.1	3.7	2.3	0.8	2.3	3.7	5.1	6.6
35°	10.1	8.5	7.0	5.4	3.9	2.3	0.8	2.3	3.9	5.4	7.0
37.5°	10.4	8.7	7.1	5.5	3.9	2.4	0.8	2.4	3.9	5.5	7.1
40°	10.6	9.0	7.3	5.7	4.1	2.4	0.8	2.4	4.1	5.7	7.3
42.5°	11.0	9.3	7.6	5.9	4.2	2.5	0.8	2.5	4.2	5.9	7.6
45°	11.3	9.5	7.7	5.9	4.2	2.5	0.8	2.5	4.2	5.9	7.7
47.5°	11.3	9.5	7.8	6.0	4.3	2.5	0.8	2.5	4.3	6.0	7.8
50°	11.6	9.8	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
52.5°	12.0	10.1	8.2	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.2
55°	12.4	10.3	8.2	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.2
57.5°	12.1	10.0	8.1	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.1
60°	12.1	10.2	8.0	6.1	4.2	2.5	0.8	2.5	4.2	6.1	8.0
62.5°	11.7	9.6	7.6	5.7	4.0	2.3	0.8	2.3	4.0	5.7	7.6
65°	11.0	8.9	6.9	5.2	3.6	2.1	0.8	2.1	3.6	5.2	6.9
67.5°	10.1	8.1	6.3	4.8	3.4	2.1	0.8	2.1	3.4	4.8	6.3
70°	9.5	7.6	6.0	4.7	3.3	2.0	0.8	2.0	3.3	4.7	6.0
72.5°	8.9	7.0	5.5	4.2	2.7	1.7	0.8	1.7	2.7	4.2	5.5
75°	8.1	6.2	4.6	3.3	2.3	1.5	0.8	1.5	2.3	3.3	4.6
77.5°	6.9	5.6	4.0	2.4	0.9	0.2	0.0	0.2	0.9	2.4	4.0
80°	5.7	4.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
82.5°	4.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.7	4.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
102.5°	6.9	5.6	4.0	2.4	0.9	0.2	0.0	0.2	0.9	2.4	4.0
105°	8.1	6.2	4.6	3.3	2.3	1.5	0.8	1.5	2.3	3.3	4.6
107.5°	8.9	7.0	5.5	4.2	2.7	1.7	0.8	1.7	2.7	4.2	5.5
110°	9.5	7.6	6.0	4.7	3.3	2.0	0.8	2.0	3.3	4.7	6.0



TEST NUMBER: P231973

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	10.1	8.1	6.3	4.8	3.4	2.1	0.8	2.1	3.4	4.8	6.3
115°	11.0	8.9	6.9	5.2	3.6	2.1	0.8	2.1	3.6	5.2	6.9
117.5°	11.7	9.6	7.6	5.7	4.0	2.3	0.8	2.3	4.0	5.7	7.6
120°	12.1	10.2	8.0	6.1	4.2	2.5	0.8	2.5	4.2	6.1	8.0
122.5°	12.1	10.0	8.1	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.1
125°	12.4	10.3	8.2	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.2
127.5°	12.0	10.1	8.2	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.2
130°	11.6	9.8	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
132.5°	11.3	9.5	7.8	6.0	4.3	2.5	0.8	2.5	4.3	6.0	7.8
135°	11.3	9.5	7.7	5.9	4.2	2.5	0.8	2.5	4.2	5.9	7.7
137.5°	11.0	9.3	7.6	5.9	4.2	2.5	0.8	2.5	4.2	5.9	7.6
140°	10.6	9.0	7.3	5.7	4.1	2.4	0.8	2.4	4.1	5.7	7.3
142.5°	10.4	8.7	7.1	5.5	3.9	2.4	0.8	2.4	3.9	5.5	7.1
145°	10.1	8.5	7.0	5.4	3.9	2.3	0.8	2.3	3.9	5.4	7.0
147.5°	9.5	8.0	6.6	5.1	3.7	2.3	0.8	2.3	3.7	5.1	6.6
150°	8.9	7.4	5.9	4.4	3.0	1.5	0.0	1.5	3.0	4.4	5.9
152.5°	8.3	6.9	5.5	4.1	2.8	1.4	0.0	1.4	2.8	4.1	5.5
155°	7.7	6.4	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
157.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
160°	6.5	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
162.5°	5.8	4.8	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
165°	4.9	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
167.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
170°	3.4	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
172.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
175°	1.7	1.4	1.1	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.1
177.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	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: P231973

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.7	0.9	1.0	1.1	1.3	1.4	1.6	1.7	1.8	2.0	2.1
5°	1.4	1.7	2.0	2.2	2.5	2.8	3.0	3.3	3.5	3.7	4.0
7.5°	2.1	2.6	3.0	3.4	3.8	4.2	4.6	4.9	5.3	5.7	6.0
10°	2.9	3.4	4.0	4.5	5.1	5.6	6.1	6.6	7.1	7.6	8.0
12.5°	3.5	4.2	4.9	5.6	6.3	6.9	7.6	8.2	8.9	9.5	10.1
15°	4.1	4.9	5.8	6.6	7.4	8.1	8.9	9.7	10.4	11.2	11.9
17.5°	4.8	5.8	6.7	7.6	8.5	9.4	10.3	11.1	12.0	12.8	13.7
20°	5.5	6.5	7.6	8.7	9.7	10.8	11.8	12.8	13.7	14.6	15.5
22.5°	6.0	7.2	8.4	9.6	10.8	11.9	13.1	14.2	15.3	16.4	17.5
25°	6.4	7.7	9.0	10.4	11.7	13.0	14.3	15.5	16.8	18.0	19.2
27.5°	6.9	8.3	9.6	11.0	12.3	13.7	15.2	16.6	18.1	19.5	20.8
30°	7.4	8.9	10.3	11.8	13.2	14.7	16.1	17.5	18.9	20.5	22.2
32.5°	8.0	9.5	11.0	12.6	14.1	15.7	17.2	18.7	20.2	21.7	23.2
35°	8.5	10.1	11.6	13.2	14.8	16.4	18.1	19.9	21.5	23.1	24.7
37.5°	8.7	10.4	12.1	13.8	15.5	17.1	18.7	20.5	22.4	24.4	26.1
40°	9.0	10.6	12.3	14.0	15.8	17.7	19.6	21.3	23.2	25.3	27.4
42.5°	9.3	11.0	12.8	14.5	16.2	17.9	20.0	22.2	24.4	26.3	28.4
45°	9.5	11.3	13.2	15.0	16.9	18.7	20.8	22.9	25.2	27.5	29.6
47.5°	9.5	11.3	13.2	15.2	17.4	19.6	21.7	23.9	26.2	28.5	30.8
50°	9.8	11.6	13.5	15.4	17.5	19.9	22.4	24.8	27.2	29.6	32.1
52.5°	10.1	12.0	13.9	15.9	18.1	20.4	22.8	25.4	28.1	30.6	33.2
55°	10.3	12.4	14.3	16.4	18.6	21.0	23.4	26.0	28.7	31.5	34.3
57.5°	10.0	12.1	14.4	16.7	19.0	21.5	24.0	26.7	29.4	32.3	35.3
60°	10.2	12.1	14.1	16.4	18.9	21.6	24.4	27.3	30.2	33.2	36.5
62.5°	9.6	11.7	13.9	16.2	18.8	21.5	24.4	27.7	30.8	34.1	37.6
65°	8.9	11.0	13.4	15.8	18.4	21.5	24.4	27.5	31.2	34.7	38.6
67.5°	8.1	10.1	12.5	15.3	18.0	20.9	24.3	27.4	31.1	35.1	39.3
70°	7.6	9.5	11.8	14.4	17.5	20.1	23.4	27.3	31.0	35.3	39.9
72.5°	7.0	8.9	11.3	13.6	16.3	19.5	22.6	26.8	31.1	35.5	40.3
75°	6.2	8.1	10.2	12.5	15.3	18.6	22.1	26.1	31.1	35.8	40.8
77.5°	5.6	6.9	9.0	11.5	14.3	17.8	21.6	25.5	30.9	36.0	41.2
80°	4.3	5.7	7.8	10.6	13.5	17.2	20.9	25.0	30.1	35.8	41.6
82.5°	2.5	4.3	6.7	9.8	12.8	16.1	19.9	24.2	29.4	35.6	42.0
85°	0.9	3.6	6.5	9.6	12.5	15.4	19.0	23.5	29.1	35.7	42.6
87.5°	0.3	4.0	7.0	9.8	12.5	15.0	18.5	23.1	29.1	36.0	43.4
90°	0.0	4.8	8.0	10.4	12.8	15.1	18.3	23.1	29.5	36.7	44.6
92.5°	0.3	4.0	7.0	9.8	12.5	15.0	18.5	23.1	29.1	36.0	43.4
95°	0.9	3.6	6.5	9.6	12.5	15.4	19.0	23.5	29.1	35.7	42.6
97.5°	2.5	4.3	6.7	9.8	12.8	16.1	19.9	24.2	29.4	35.6	42.0
100°	4.3	5.7	7.8	10.6	13.5	17.2	20.9	25.0	30.1	35.8	41.6
102.5°	5.6	6.9	9.0	11.5	14.3	17.8	21.6	25.5	30.9	36.0	41.2
105°	6.2	8.1	10.2	12.5	15.3	18.6	22.1	26.1	31.1	35.8	40.8
107.5°	7.0	8.9	11.3	13.6	16.3	19.5	22.6	26.8	31.1	35.5	40.3
110°	7.6	9.5	11.8	14.4	17.5	20.1	23.4	27.3	31.0	35.3	39.9



TEST NUMBER: P231973

CATALOG NUMBER: FVS4WM-4-LD4-35-1STD-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°	8.1	10.1	12.5	15.3	18.0	20.9	24.3	27.4	31.1	35.1	39.3
115°	8.9	11.0	13.4	15.8	18.4	21.5	24.4	27.5	31.2	34.7	38.6
117.5°	9.6	11.7	13.9	16.2	18.8	21.5	24.4	27.7	30.8	34.1	37.6
120°	10.2	12.1	14.1	16.4	18.9	21.6	24.4	27.3	30.2	33.2	36.5
122.5°	10.0	12.1	14.4	16.7	19.0	21.5	24.0	26.7	29.4	32.3	35.3
125°	10.3	12.4	14.3	16.4	18.6	21.0	23.4	26.0	28.7	31.5	34.3
127.5°	10.1	12.0	13.9	15.9	18.1	20.4	22.8	25.4	28.1	30.6	33.2
130°	9.8	11.6	13.5	15.4	17.5	19.9	22.4	24.8	27.2	29.6	32.1
132.5°	9.5	11.3	13.2	15.2	17.4	19.6	21.7	23.9	26.2	28.5	30.8
135°	9.5	11.3	13.2	15.0	16.9	18.7	20.8	22.9	25.2	27.5	29.6
137.5°	9.3	11.0	12.8	14.5	16.2	17.9	20.0	22.2	24.4	26.3	28.4
140°	9.0	10.6	12.3	14.0	15.8	17.7	19.6	21.3	23.2	25.3	27.4
142.5°	8.7	10.4	12.1	13.8	15.5	17.1	18.7	20.5	22.4	24.4	26.1
145°	8.5	10.1	11.6	13.2	14.8	16.4	18.1	19.9	21.5	23.1	24.7
147.5°	8.0	9.5	11.0	12.6	14.1	15.7	17.2	18.7	20.2	21.7	23.2
150°	7.4	8.9	10.3	11.8	13.2	14.7	16.1	17.5	18.9	20.5	22.2
152.5°	6.9	8.3	9.6	11.0	12.3	13.7	15.2	16.6	18.1	19.5	20.8
155°	6.4	7.7	9.0	10.4	11.7	13.0	14.3	15.5	16.8	18.0	19.2
157.5°	6.0	7.2	8.4	9.6	10.8	11.9	13.1	14.2	15.3	16.4	17.5
160°	5.5	6.5	7.6	8.7	9.7	10.8	11.8	12.8	13.7	14.6	15.5
162.5°	4.8	5.8	6.7	7.6	8.5	9.4	10.3	11.1	12.0	12.8	13.7
165°	4.1	4.9	5.8	6.6	7.4	8.1	8.9	9.7	10.4	11.2	11.9
167.5°	3.5	4.2	4.9	5.6	6.3	6.9	7.6	8.2	8.9	9.5	10.1
170°	2.9	3.4	4.0	4.5	5.1	5.6	6.1	6.6	7.1	7.6	8.0
172.5°	2.1	2.6	3.0	3.4	3.8	4.2	4.6	4.9	5.3	5.7	6.0
175°	1.4	1.7	2.0	2.2	2.5	2.8	3.0	3.3	3.5	3.7	4.0
177.5°	0.7	0.9	1.0	1.1	1.3	1.4	1.6	1.7	1.8	2.0	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: P231973

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4
5°	4.2	4.4	4.6	4.8	4.9	5.1	5.3	5.4	5.5	5.7	5.9
7.5°	6.3	6.7	7.0	7.3	7.5	7.8	8.0	8.2	8.4	8.6	8.7
10°	8.5	8.9	9.3	9.7	10.1	10.4	10.8	11.1	11.4	11.6	11.8
12.5°	10.6	11.2	11.7	12.2	12.6	13.1	13.5	13.9	14.2	14.6	14.9
15°	12.6	13.3	14.0	14.7	15.2	15.7	16.2	16.7	17.1	17.5	17.9
17.5°	14.5	15.3	16.1	16.8	17.6	18.3	19.0	19.5	20.0	20.5	20.9
20°	16.3	17.2	18.1	19.0	19.8	20.7	21.5	22.2	22.9	23.5	23.9
22.5°	18.5	19.4	20.2	21.1	22.0	23.0	23.9	24.7	25.6	26.4	27.0
25°	20.4	21.5	22.6	23.5	24.4	25.2	26.2	27.2	28.1	29.1	30.9
27.5°	22.1	23.4	24.6	25.8	27.0	27.8	29.3	31.1	33.3	35.6	38.1
30°	23.8	25.2	26.5	28.1	29.9	31.8	33.7	35.7	38.2	41.1	44.3
32.5°	24.9	26.8	28.7	30.5	32.5	34.7	37.1	39.7	42.4	45.7	49.5
35°	26.4	28.1	30.2	32.5	34.7	36.9	39.6	42.7	45.9	49.5	53.9
37.5°	27.9	29.7	31.6	33.9	36.4	39.0	41.7	45.0	48.7	52.9	57.4
40°	29.3	31.2	33.2	35.3	37.8	40.6	43.6	46.8	50.9	55.6	60.8
42.5°	30.6	32.7	34.7	36.9	39.2	42.0	45.2	48.7	52.6	57.8	63.7
45°	31.8	34.0	36.2	38.4	40.8	43.4	46.7	50.4	54.5	59.7	65.9
47.5°	33.1	35.5	37.8	40.0	42.4	45.0	47.9	51.9	56.2	61.1	68.0
50°	34.4	36.8	39.3	41.7	44.0	46.6	49.6	53.6	59.3	64.8	70.8
52.5°	35.9	38.2	40.7	43.5	45.7	49.9	54.7	60.0	65.4	70.3	74.8
55°	37.1	39.9	42.5	46.6	51.1	55.7	61.0	66.6	72.0	76.6	80.1
57.5°	38.4	42.2	46.2	50.5	55.8	61.1	66.9	73.0	79.2	83.5	86.4
60°	40.2	44.5	49.3	54.0	59.7	66.0	72.4	79.3	86.0	90.8	93.3
62.5°	41.6	46.3	51.5	57.2	63.1	70.3	77.6	85.2	92.7	98.4	100.8
65°	42.8	47.7	53.4	59.8	66.4	74.2	82.5	90.9	99.2	106.4	108.9
67.5°	43.9	48.9	55.1	62.0	69.5	77.6	87.0	96.4	105.8	114.1	116.6
70°	44.7	50.1	56.5	64.0	72.2	80.9	91.2	101.7	111.9	120.5	122.6
72.5°	45.6	51.2	57.7	65.8	74.8	83.8	93.9	103.9	112.8	119.6	121.7
75°	46.4	52.5	59.4	67.6	76.7	85.8	95.5	105.3	113.7	119.4	121.1
77.5°	47.3	53.9	61.2	69.6	78.8	88.1	97.5	107.2	115.2	119.7	120.7
80°	48.2	55.5	63.2	71.8	81.2	90.8	100.0	109.3	117.2	120.5	120.4
82.5°	49.1	57.2	65.3	74.3	83.9	93.7	102.8	111.9	119.7	121.7	120.3
85°	50.2	59.1	67.6	77.0	87.0	97.0	106.0	114.7	122.4	123.1	120.1
87.5°	51.6	61.2	70.3	80.2	90.4	100.5	109.4	117.8	125.3	124.5	119.9
90°	53.4	63.8	73.3	83.7	94.1	104.4	113.2	121.2	128.3	126.0	119.6
92.5°	51.6	61.2	70.3	80.2	90.4	100.5	109.4	117.8	125.3	124.5	119.9
95°	50.2	59.1	67.6	77.0	87.0	97.0	106.0	114.7	122.4	123.1	120.1
97.5°	49.1	57.2	65.3	74.3	83.9	93.7	102.8	111.9	119.7	121.7	120.3
100°	48.2	55.5	63.2	71.8	81.2	90.8	100.0	109.3	117.2	120.5	120.4
102.5°	47.3	53.9	61.2	69.6	78.8	88.1	97.5	107.2	115.2	119.7	120.7
105°	46.4	52.5	59.4	67.6	76.7	85.8	95.5	105.3	113.7	119.4	121.1
107.5°	45.6	51.2	57.7	65.8	74.8	83.8	93.9	103.9	112.8	119.6	121.7
110°	44.7	50.1	56.5	64.0	72.2	80.9	91.2	101.7	111.9	120.5	122.6



TEST NUMBER: P231973

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	43.9	48.9	55.1	62.0	69.5	77.6	87.0	96.4	105.8	114.1	116.6
115°	42.8	47.7	53.4	59.8	66.4	74.2	82.5	90.9	99.2	106.4	108.9
117.5°	41.6	46.3	51.5	57.2	63.1	70.3	77.6	85.2	92.7	98.4	100.8
120°	40.2	44.5	49.3	54.0	59.7	66.0	72.4	79.3	86.0	90.8	93.3
122.5°	38.4	42.2	46.2	50.5	55.8	61.1	66.9	73.0	79.2	83.5	86.4
125°	37.1	39.9	42.5	46.6	51.1	55.7	61.0	66.6	72.0	76.6	80.1
127.5°	35.9	38.2	40.7	43.5	45.7	49.9	54.7	60.0	65.4	70.3	74.8
130°	34.4	36.8	39.3	41.7	44.0	46.6	49.6	53.6	59.3	64.8	70.8
132.5°	33.1	35.5	37.8	40.0	42.4	45.0	47.9	51.9	56.2	61.1	68.0
135°	31.8	34.0	36.2	38.4	40.8	43.4	46.7	50.4	54.5	59.7	65.9
137.5°	30.6	32.7	34.7	36.9	39.2	42.0	45.2	48.7	52.6	57.8	63.7
140°	29.3	31.2	33.2	35.3	37.8	40.6	43.6	46.8	50.9	55.6	60.8
142.5°	27.9	29.7	31.6	33.9	36.4	39.0	41.7	45.0	48.7	52.9	57.4
145°	26.4	28.1	30.2	32.5	34.7	36.9	39.6	42.7	45.9	49.5	53.9
147.5°	24.9	26.8	28.7	30.5	32.5	34.7	37.1	39.7	42.4	45.7	49.5
150°	23.8	25.2	26.5	28.1	29.9	31.8	33.7	35.7	38.2	41.1	44.3
152.5°	22.1	23.4	24.6	25.8	27.0	27.8	29.3	31.1	33.3	35.6	38.1
155°	20.4	21.5	22.6	23.5	24.4	25.2	26.2	27.2	28.1	29.1	30.9
157.5°	18.5	19.4	20.2	21.1	22.0	23.0	23.9	24.7	25.6	26.4	27.0
160°	16.3	17.2	18.1	19.0	19.8	20.7	21.5	22.2	22.9	23.5	23.9
162.5°	14.5	15.3	16.1	16.8	17.6	18.3	19.0	19.5	20.0	20.5	20.9
165°	12.6	13.3	14.0	14.7	15.2	15.7	16.2	16.7	17.1	17.5	17.9
167.5°	10.6	11.2	11.7	12.2	12.6	13.1	13.5	13.9	14.2	14.6	14.9
170°	8.5	8.9	9.3	9.7	10.1	10.4	10.8	11.1	11.4	11.6	11.8
172.5°	6.3	6.7	7.0	7.3	7.5	7.8	8.0	8.2	8.4	8.6	8.7
175°	4.2	4.4	4.6	4.8	4.9	5.1	5.3	5.4	5.5	5.7	5.9
177.5°	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3	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: P231973

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.5	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.5
5°	6.1	6.3	6.5	6.6	6.8	6.9	7.0	7.2	7.3	7.4	8.2
7.5°	8.9	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5	10.6	11.8
10°	12.0	12.1	12.2	12.3	12.6	12.9	13.2	13.5	13.7	13.9	15.5
12.5°	15.1	15.3	15.4	15.5	15.6	15.9	16.2	16.6	16.9	17.2	19.2
15°	18.2	18.5	18.7	18.8	18.8	18.9	19.3	19.7	20.1	20.5	22.8
17.5°	21.3	21.6	21.9	22.1	22.1	22.1	22.3	22.8	23.3	23.7	26.4
20°	24.4	24.8	25.1	25.4	25.4	25.4	25.3	25.9	26.5	27.0	30.0
22.5°	27.5	27.9	28.3	28.6	28.8	28.7	28.6	29.0	29.7	30.3	33.6
25°	32.6	34.2	35.8	37.1	38.3	38.9	39.0	39.3	39.9	40.4	43.8
27.5°	40.8	43.2	45.5	47.5	49.1	50.1	50.1	50.0	50.3	50.5	54.1
30°	47.8	51.3	54.5	57.6	59.6	61.5	61.2	60.7	60.8	60.6	64.2
32.5°	53.7	58.4	62.7	66.8	69.9	72.3	72.5	71.7	71.3	70.7	74.4
35°	58.8	64.4	70.3	75.4	80.0	82.9	83.9	82.7	81.8	80.8	84.5
37.5°	63.3	69.7	76.8	83.4	90.0	93.3	95.3	93.8	92.4	90.9	94.5
40°	67.1	74.3	82.6	90.9	98.4	103.6	106.8	105.0	103.1	101.0	104.6
42.5°	70.1	78.5	87.7	98.2	106.7	113.7	118.4	116.2	113.7	111.1	114.5
45°	73.3	82.1	92.2	103.9	114.6	123.7	128.9	127.5	124.5	121.2	124.5
47.5°	75.9	84.2	94.2	105.4	116.1	125.7	131.1	131.6	130.6	130.2	136.6
50°	77.4	84.4	93.8	104.3	115.4	125.6	132.3	135.2	136.5	139.3	148.9
52.5°	79.9	86.0	93.9	103.6	114.8	125.2	133.3	138.4	142.1	148.3	161.4
55°	83.8	88.3	94.5	103.3	114.3	125.0	134.3	141.4	147.6	157.3	174.2
57.5°	88.6	91.3	95.6	103.5	114.1	124.8	135.1	144.1	152.8	166.4	187.1
60°	94.3	95.0	97.4	104.4	114.2	124.8	135.8	146.5	157.9	175.4	200.1
62.5°	100.7	99.5	100.3	105.7	114.5	124.9	136.4	148.8	162.8	184.4	213.3
65°	107.7	104.9	103.8	107.3	115.0	125.2	137.0	150.9	167.6	193.5	226.5
67.5°	115.0	110.8	107.6	109.1	115.8	125.5	137.5	152.9	172.3	202.5	239.9
70°	119.4	113.7	109.0	109.1	115.1	124.4	136.1	151.6	171.0	201.0	239.2
72.5°	118.5	112.9	108.4	108.4	114.0	123.1	134.8	150.3	169.8	199.5	238.4
75°	117.5	111.9	107.8	107.7	113.2	122.0	133.4	149.1	168.7	198.0	238.9
77.5°	116.6	110.6	107.0	107.0	112.4	121.0	132.2	148.0	167.7	196.5	237.5
80°	115.6	109.1	106.1	106.4	111.7	120.0	131.1	147.0	166.7	194.9	236.0
82.5°	114.5	107.5	105.1	105.8	111.2	119.2	130.1	146.0	165.8	193.4	234.6
85°	113.4	105.7	104.1	105.3	110.7	118.4	129.1	145.1	164.9	191.9	233.2
87.5°	112.2	103.9	103.0	104.8	110.3	117.8	128.3	144.3	164.1	190.4	231.8
90°	110.8	102.0	102.0	104.4	110.0	117.2	127.5	143.5	163.4	188.9	230.4
92.5°	112.2	103.9	103.0	104.8	110.3	117.8	128.3	144.3	164.1	190.4	231.8
95°	113.4	105.7	104.1	105.3	110.7	118.4	129.1	145.1	164.9	191.9	233.2
97.5°	114.5	107.5	105.1	105.8	111.2	119.2	130.1	146.0	165.8	193.4	234.6
100°	115.6	109.1	106.1	106.4	111.7	120.0	131.1	147.0	166.7	194.9	236.0
102.5°	116.6	110.6	107.0	107.0	112.4	121.0	132.2	148.0	167.7	196.5	237.5
105°	117.5	111.9	107.8	107.7	113.2	122.0	133.4	149.1	168.7	198.0	238.9
107.5°	118.5	112.9	108.4	108.4	114.0	123.1	134.8	150.3	169.8	199.5	238.4
110°	119.4	113.7	109.0	109.1	115.1	124.4	136.1	151.6	171.0	201.0	239.2



TEST NUMBER: P231973

CATALOG NUMBER: FVS4WM-4-LD4-35-1STD-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°	115.0	110.8	107.6	109.1	115.8	125.5	137.5	152.9	172.3	202.5	239.9
115°	107.7	104.9	103.8	107.3	115.0	125.2	137.0	150.9	167.6	193.5	226.5
117.5°	100.7	99.5	100.3	105.7	114.5	124.9	136.4	148.8	162.8	184.4	213.3
120°	94.3	95.0	97.4	104.4	114.2	124.8	135.8	146.5	157.9	175.4	200.1
122.5°	88.6	91.3	95.6	103.5	114.1	124.8	135.1	144.1	152.8	166.4	187.1
125°	83.8	88.3	94.5	103.3	114.3	125.0	134.3	141.4	147.6	157.3	174.2
127.5°	79.9	86.0	93.9	103.6	114.8	125.2	133.3	138.4	142.1	148.3	161.4
130°	77.4	84.4	93.8	104.3	115.4	125.6	132.3	135.2	136.5	139.3	148.9
132.5°	75.9	84.2	94.2	105.4	116.1	125.7	131.1	131.6	130.6	130.2	136.6
135°	73.3	82.1	92.2	103.9	114.6	123.7	128.9	127.5	124.5	121.2	124.5
137.5°	70.1	78.5	87.7	98.2	106.7	113.7	118.4	116.2	113.7	111.1	114.5
140°	67.1	74.3	82.6	90.9	98.4	103.6	106.8	105.0	103.1	101.0	104.6
142.5°	63.3	69.7	76.8	83.4	90.0	93.3	95.3	93.8	92.4	90.9	94.5
145°	58.8	64.4	70.3	75.4	80.0	82.9	83.9	82.7	81.8	80.8	84.5
147.5°	53.7	58.4	62.7	66.8	69.9	72.3	72.5	71.7	71.3	70.7	74.4
150°	47.8	51.3	54.5	57.6	59.6	61.5	61.2	60.7	60.8	60.6	64.2
152.5°	40.8	43.2	45.5	47.5	49.1	50.1	50.1	50.0	50.3	50.5	54.1
155°	32.6	34.2	35.8	37.1	38.3	38.9	39.0	39.3	39.9	40.4	43.8
157.5°	27.5	27.9	28.3	28.6	28.8	28.7	28.6	29.0	29.7	30.3	33.6
160°	24.4	24.8	25.1	25.4	25.4	25.4	25.3	25.9	26.5	27.0	30.0
162.5°	21.3	21.6	21.9	22.1	22.1	22.1	22.3	22.8	23.3	23.7	26.4
165°	18.2	18.5	18.7	18.8	18.8	18.9	19.3	19.7	20.1	20.5	22.8
167.5°	15.1	15.3	15.4	15.5	15.6	15.9	16.2	16.6	16.9	17.2	19.2
170°	12.0	12.1	12.2	12.3	12.6	12.9	13.2	13.5	13.7	13.9	15.5
172.5°	8.9	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5	10.6	11.8
175°	6.1	6.3	6.5	6.6	6.8	6.9	7.0	7.2	7.3	7.4	8.2
177.5°	3.5	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.5
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: P231973

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	4.9	5.3	5.7	6.1	6.4	6.8	7.1	7.5	7.8	8.1	8.4
5°	9.0	9.8	10.5	11.3	12.0	12.7	13.4	14.1	14.7	15.3	15.9
7.5°	13.0	14.2	15.3	16.5	17.5	18.6	19.7	21.1	22.4	23.7	24.9
10°	17.1	18.6	20.1	21.6	23.1	25.0	26.9	28.7	30.4	32.1	33.9
12.5°	21.1	23.0	24.8	26.9	29.3	31.7	34.0	36.2	38.6	41.1	43.6
15°	25.1	27.3	29.6	32.6	35.4	38.3	41.1	44.1	47.0	50.0	53.2
17.5°	29.1	31.6	34.8	38.2	41.5	44.8	48.2	51.6	54.9	58.0	60.9
20°	33.0	36.0	39.9	43.7	47.5	51.2	54.9	58.6	62.1	65.5	68.8
22.5°	36.9	40.6	44.9	49.2	53.3	57.2	61.1	65.1	69.0	72.8	76.3
25°	47.1	51.1	55.4	59.5	63.2	66.7	70.2	73.6	76.7	79.3	83.0
27.5°	57.5	62.0	66.6	70.8	74.8	78.5	82.2	85.6	88.4	91.0	93.8
30°	67.7	72.8	77.7	82.0	86.5	90.1	93.8	96.9	99.7	102.6	105.4
32.5°	78.1	83.5	88.5	93.1	97.3	101.3	104.7	107.7	110.7	113.6	117.3
35°	88.5	94.1	99.2	104.0	108.2	112.3	115.2	118.2	121.2	124.6	129.3
37.5°	98.9	104.6	109.9	114.8	118.8	122.4	125.4	128.3	131.4	135.8	140.9
40°	109.1	115.1	120.4	125.1	129.0	132.3	135.2	138.0	141.7	146.4	153.4
42.5°	119.3	125.4	130.8	135.3	139.0	142.0	144.7	147.2	151.8	157.7	165.4
45°	129.5	135.6	141.1	145.2	148.6	151.4	153.7	156.9	161.3	169.0	177.5
47.5°	145.1	154.1	161.7	165.3	166.6	166.7	166.5	167.5	171.7	180.3	189.3
50°	161.4	174.2	185.0	189.6	189.8	189.4	189.8	191.7	195.3	200.0	205.5
52.5°	178.2	194.9	208.3	214.4	212.4	212.3	213.8	216.2	220.2	224.7	230.2
55°	195.4	216.3	231.8	238.3	234.4	235.3	237.8	240.9	244.5	248.4	253.4
57.5°	213.1	238.2	255.7	261.4	256.3	258.4	261.9	265.1	268.1	271.2	275.4
60°	231.0	260.5	279.7	284.1	279.1	281.7	286.1	288.8	290.8	293.0	295.4
62.5°	249.3	283.3	304.0	306.4	301.9	305.4	310.1	312.0	312.7	313.6	314.3
65°	267.8	306.4	328.4	328.4	324.7	329.2	333.6	334.6	333.9	333.3	331.8
67.5°	286.5	329.7	352.9	350.2	347.6	352.9	356.8	356.5	354.4	351.9	348.2
70°	286.5	331.9	359.5	361.2	361.9	367.5	371.6	372.2	370.9	368.6	363.6
72.5°	285.7	332.3	364.1	370.6	372.6	376.1	378.3	378.2	376.5	373.5	369.7
75°	284.7	332.5	369.0	380.9	382.8	384.0	384.7	384.2	382.0	378.4	375.0
77.5°	283.4	332.4	374.2	392.1	392.8	391.5	391.1	390.1	387.4	383.5	380.5
80°	283.4	332.2	379.5	403.8	402.6	398.6	397.3	396.1	392.8	388.5	386.3
82.5°	281.1	333.0	386.7	415.9	412.2	405.5	403.4	402.1	398.2	393.7	392.2
85°	278.8	331.4	390.9	428.8	421.5	412.0	409.5	408.0	403.6	398.9	398.3
87.5°	276.5	329.9	395.2	440.4	431.2	418.8	415.6	414.1	408.9	404.2	404.4
90°	274.2	328.4	399.4	452.0	440.8	425.7	421.7	420.1	414.5	409.7	410.5
92.5°	276.5	329.9	395.2	440.4	431.2	418.8	415.6	414.1	408.9	404.2	404.4
95°	278.8	331.4	390.9	428.8	421.5	412.0	409.5	408.0	403.6	398.9	398.3
97.5°	281.1	333.0	386.7	415.9	412.2	405.5	403.4	402.1	398.2	393.7	392.2
100°	283.4	332.2	379.5	403.8	402.6	398.6	397.3	396.1	392.8	388.5	386.3
102.5°	283.4	332.4	374.2	392.1	392.8	391.5	391.1	390.1	387.4	383.5	380.5
105°	284.7	332.5	369.0	380.9	382.8	384.0	384.7	384.2	382.0	378.4	375.0
107.5°	285.7	332.3	364.1	370.6	372.6	376.1	378.3	378.2	376.5	373.5	369.7
110°	286.5	331.9	359.5	361.2	361.9	367.5	371.6	372.2	370.9	368.6	363.6



TEST NUMBER: P231973

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	286.5	329.7	352.9	350.2	347.6	352.9	356.8	356.5	354.4	351.9	348.2
115°	267.8	306.4	328.4	328.4	324.7	329.2	333.6	334.6	333.9	333.3	331.8
117.5°	249.3	283.3	304.0	306.4	301.9	305.4	310.1	312.0	312.7	313.6	314.3
120°	231.0	260.5	279.7	284.1	279.1	281.7	286.1	288.8	290.8	293.0	295.4
122.5°	213.1	238.2	255.7	261.4	256.3	258.4	261.9	265.1	268.1	271.2	275.4
125°	195.4	216.3	231.8	238.3	234.4	235.3	237.8	240.9	244.5	248.4	253.4
127.5°	178.2	194.9	208.3	214.4	212.4	212.3	213.8	216.2	220.2	224.7	230.2
130°	161.4	174.2	185.0	189.6	189.8	189.4	189.8	191.7	195.3	200.0	205.5
132.5°	145.1	154.1	161.7	165.3	166.6	166.7	166.5	167.5	171.7	180.3	189.3
135°	129.5	135.6	141.1	145.2	148.6	151.4	153.7	156.9	161.3	169.0	177.5
137.5°	119.3	125.4	130.8	135.3	139.0	142.0	144.7	147.2	151.8	157.7	165.4
140°	109.1	115.1	120.4	125.1	129.0	132.3	135.2	138.0	141.7	146.4	153.4
142.5°	98.9	104.6	109.9	114.8	118.8	122.4	125.4	128.3	131.4	135.8	140.9
145°	88.5	94.1	99.2	104.0	108.2	112.3	115.2	118.2	121.2	124.6	129.3
147.5°	78.1	83.5	88.5	93.1	97.3	101.3	104.7	107.7	110.7	113.6	117.3
150°	67.7	72.8	77.7	82.0	86.5	90.1	93.8	96.9	99.7	102.6	105.4
152.5°	57.5	62.0	66.6	70.8	74.8	78.5	82.2	85.6	88.4	91.0	93.8
155°	47.1	51.1	55.4	59.5	63.2	66.7	70.2	73.6	76.7	79.3	83.0
157.5°	36.9	40.6	44.9	49.2	53.3	57.2	61.1	65.1	69.0	72.8	76.3
160°	33.0	36.0	39.9	43.7	47.5	51.2	54.9	58.6	62.1	65.5	68.8
162.5°	29.1	31.6	34.8	38.2	41.5	44.8	48.2	51.6	54.9	58.0	60.9
165°	25.1	27.3	29.6	32.6	35.4	38.3	41.1	44.1	47.0	50.0	53.2
167.5°	21.1	23.0	24.8	26.9	29.3	31.7	34.0	36.2	38.6	41.1	43.6
170°	17.1	18.6	20.1	21.6	23.1	25.0	26.9	28.7	30.4	32.1	33.9
172.5°	13.0	14.2	15.3	16.5	17.5	18.6	19.7	21.1	22.4	23.7	24.9
175°	9.0	9.8	10.5	11.3	12.0	12.7	13.4	14.1	14.7	15.3	15.9
177.5°	4.9	5.3	5.7	6.1	6.4	6.8	7.1	7.5	7.8	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: P231973

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	8.7	8.9	9.2	9.4	9.7	9.9	10.0	10.2	10.4	10.5	10.6
5°	16.7	17.5	18.2	18.9	19.5	20.1	20.7	21.2	21.7	22.1	22.5
7.5°	26.1	27.2	28.3	29.3	30.4	31.6	32.8	33.9	34.9	35.9	36.8
10°	35.7	37.7	39.5	41.3	43.1	44.7	46.3	47.6	48.6	49.6	50.5
12.5°	46.0	48.4	50.6	52.4	54.1	55.7	57.2	58.6	59.9	61.5	63.2
15°	55.3	57.6	59.9	62.0	64.1	66.6	69.1	71.4	73.7	76.0	78.1
17.5°	63.7	66.7	69.4	72.4	75.3	78.3	81.1	83.8	86.5	89.0	91.5
20°	72.1	75.4	78.8	82.1	85.5	88.7	92.0	95.0	97.8	100.3	102.6
22.5°	79.9	83.5	87.2	90.9	94.7	98.5	102.1	105.4	108.3	110.6	112.3
25°	86.9	90.9	95.3	99.6	104.2	108.5	112.6	116.1	119.0	121.7	124.5
27.5°	96.4	99.6	103.7	109.1	114.8	120.1	125.3	129.5	133.8	137.4	140.4
30°	109.0	113.3	117.8	123.3	128.6	134.6	140.8	146.2	151.1	155.2	158.9
32.5°	121.8	127.0	133.0	139.1	145.8	152.3	158.8	164.9	170.2	174.6	178.7
35°	134.6	141.2	148.0	155.5	162.8	170.2	177.2	183.3	189.0	194.7	200.4
37.5°	148.0	155.3	163.3	171.4	179.7	187.4	194.5	201.4	208.5	216.0	224.0
40°	160.9	169.5	178.3	187.3	195.8	203.9	212.2	220.4	229.8	240.0	250.6
42.5°	174.2	183.3	193.1	202.5	211.5	221.0	230.2	241.6	254.0	266.4	279.7
45°	186.8	197.1	207.4	217.4	227.7	238.1	250.6	263.5	278.2	294.2	313.3
47.5°	199.6	210.5	221.4	232.5	243.8	257.0	270.8	286.3	304.6	325.0	349.6
50°	212.7	223.6	235.3	247.5	260.9	275.1	291.2	310.4	332.9	359.1	388.6
52.5°	236.6	243.8	252.4	262.7	277.9	293.3	312.2	335.1	362.5	395.1	434.1
55°	258.9	265.2	273.5	284.0	296.9	311.6	332.8	360.6	393.8	434.6	483.0
57.5°	279.3	284.7	292.8	304.3	318.9	337.9	359.9	386.6	427.7	477.4	532.1
60°	298.1	302.1	311.3	325.0	342.8	364.1	388.2	423.3	467.0	518.5	582.1
62.5°	315.4	319.3	328.9	345.1	366.9	389.5	418.4	457.4	507.7	566.9	633.7
65°	331.1	335.8	347.8	366.7	390.0	411.7	446.4	492.4	548.0	612.1	685.8
67.5°	345.4	351.0	366.1	388.4	410.5	435.7	473.1	522.8	583.9	654.9	735.0
70°	359.8	365.8	383.7	409.3	428.4	457.0	499.0	553.0	617.2	691.7	780.5
72.5°	369.6	379.6	401.1	427.7	444.5	476.3	520.6	578.0	645.3	725.4	814.4
75°	377.0	389.9	414.8	441.2	462.6	495.0	541.0	598.8	666.8	752.0	843.4
77.5°	384.3	399.6	428.3	454.7	479.0	513.6	561.0	619.8	690.7	775.3	866.0
80°	391.3	408.7	441.5	468.1	493.8	529.2	577.1	636.2	710.9	797.5	892.1
82.5°	398.2	417.1	454.0	481.2	507.0	542.1	589.4	648.2	725.8	813.6	911.4
85°	404.9	424.8	465.7	493.8	518.8	552.5	598.4	656.2	735.4	823.8	923.7
87.5°	411.5	432.2	477.0	506.2	529.9	561.6	605.6	662.0	742.3	830.8	932.4
90°	417.7	438.4	485.5	516.6	538.9	567.6	608.2	661.6	739.8	826.6	927.1
92.5°	411.5	432.2	477.0	506.2	529.9	561.6	605.6	662.0	742.3	830.8	932.4
95°	404.9	424.8	465.7	493.8	518.8	552.5	598.4	656.2	735.4	823.8	923.7
97.5°	398.2	417.1	454.0	481.2	507.0	542.1	589.4	648.2	725.8	813.6	911.4
100°	391.3	408.7	441.5	468.1	493.8	529.2	577.1	636.2	710.9	797.5	892.1
102.5°	384.3	399.6	428.3	454.7	479.0	513.6	561.0	619.8	690.7	775.3	866.0
105°	377.0	389.9	414.8	441.2	462.6	495.0	541.0	598.8	666.8	752.0	843.4
107.5°	369.6	379.6	401.1	427.7	444.5	476.3	520.6	578.0	645.3	725.4	814.4
110°	359.8	365.8	383.7	409.3	428.4	457.0	499.0	553.0	617.2	691.7	780.5



TEST NUMBER: P231973

CATALOG NUMBER: FVS4WM-4-LD4-35-1STD-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°	345.4	351.0	366.1	388.4	410.5	435.7	473.1	522.8	583.9	654.9	735.0
115°	331.1	335.8	347.8	366.7	390.0	411.7	446.4	492.4	548.0	612.1	685.8
117.5°	315.4	319.3	328.9	345.1	366.9	389.5	418.4	457.4	507.7	566.9	633.7
120°	298.1	302.1	311.3	325.0	342.8	364.1	388.2	423.3	467.0	518.5	582.1
122.5°	279.3	284.7	292.8	304.3	318.9	337.9	359.9	386.6	427.7	477.4	532.1
125°	258.9	265.2	273.5	284.0	296.9	311.6	332.8	360.6	393.8	434.6	483.0
127.5°	236.6	243.8	252.4	262.7	277.9	293.3	312.2	335.1	362.5	395.1	434.1
130°	212.7	223.6	235.3	247.5	260.9	275.1	291.2	310.4	332.9	359.1	388.6
132.5°	199.6	210.5	221.4	232.5	243.8	257.0	270.8	286.3	304.6	325.0	349.6
135°	186.8	197.1	207.4	217.4	227.7	238.1	250.6	263.5	278.2	294.2	313.3
137.5°	174.2	183.3	193.1	202.5	211.5	221.0	230.2	241.6	254.0	266.4	279.7
140°	160.9	169.5	178.3	187.3	195.8	203.9	212.2	220.4	229.8	240.0	250.6
142.5°	148.0	155.3	163.3	171.4	179.7	187.4	194.5	201.4	208.5	216.0	224.0
145°	134.6	141.2	148.0	155.5	162.8	170.2	177.2	183.3	189.0	194.7	200.4
147.5°	121.8	127.0	133.0	139.1	145.8	152.3	158.8	164.9	170.2	174.6	178.7
150°	109.0	113.3	117.8	123.3	128.6	134.6	140.8	146.2	151.1	155.2	158.9
152.5°	96.4	99.6	103.7	109.1	114.8	120.1	125.3	129.5	133.8	137.4	140.4
155°	86.9	90.9	95.3	99.6	104.2	108.5	112.6	116.1	119.0	121.7	124.5
157.5°	79.9	83.5	87.2	90.9	94.7	98.5	102.1	105.4	108.3	110.6	112.3
160°	72.1	75.4	78.8	82.1	85.5	88.7	92.0	95.0	97.8	100.3	102.6
162.5°	63.7	66.7	69.4	72.4	75.3	78.3	81.1	83.8	86.5	89.0	91.5
165°	55.3	57.6	59.9	62.0	64.1	66.6	69.1	71.4	73.7	76.0	78.1
167.5°	46.0	48.4	50.6	52.4	54.1	55.7	57.2	58.6	59.9	61.5	63.2
170°	35.7	37.7	39.5	41.3	43.1	44.7	46.3	47.6	48.6	49.6	50.5
172.5°	26.1	27.2	28.3	29.3	30.4	31.6	32.8	33.9	34.9	35.9	36.8
175°	16.7	17.5	18.2	18.9	19.5	20.1	20.7	21.2	21.7	22.1	22.5
177.5°	8.7	8.9	9.2	9.4	9.7	9.9	10.0	10.2	10.4	10.5	10.6
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: P231973

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	10.7	10.8	10.9	10.9	10.9	10.9	11.2	11.1	11.0	10.8	10.7
5°	22.8	23.1	23.4	23.6	23.7	23.8	23.8	23.8	24.2	23.9	23.6
7.5°	37.6	38.4	39.0	39.6	40.1	40.5	40.8	41.0	41.2	41.6	41.3
10°	51.3	52.0	52.6	53.1	53.5	53.8	54.1	54.2	54.2	54.6	54.2
12.5°	64.8	66.2	67.6	68.8	69.9	70.9	71.7	72.4	72.9	73.3	73.9
15°	80.0	81.8	83.5	85.0	86.5	87.7	88.8	89.8	90.5	91.1	91.9
17.5°	93.8	95.4	96.9	98.2	99.4	100.3	101.0	101.6	102.0	102.3	102.6
20°	104.7	106.2	107.0	107.5	107.7	107.6	107.2	106.7	106.0	105.1	104.2
22.5°	113.6	114.5	115.5	116.4	116.9	117.0	116.8	116.2	115.2	114.1	112.9
25°	126.7	128.4	129.5	130.3	130.6	130.4	129.7	128.6	127.1	125.3	123.1
27.5°	142.9	144.7	145.8	146.9	148.2	149.0	149.3	149.2	148.6	147.5	145.9
30°	161.7	164.6	167.0	169.0	171.8	174.1	175.9	177.2	177.9	178.0	177.3
32.5°	182.8	187.3	191.6	195.5	200.4	205.6	210.2	214.2	217.3	219.6	220.8
35°	205.9	213.2	220.9	228.4	235.8	243.9	251.3	257.9	263.5	267.9	271.2
37.5°	233.2	242.8	254.0	264.8	275.3	287.5	299.2	309.9	319.3	327.3	333.6
40°	262.5	275.1	290.6	306.8	322.5	338.8	355.3	370.3	383.6	394.9	404.1
42.5°	296.0	312.9	332.1	354.5	376.0	397.2	421.1	443.1	462.8	480.0	494.2
45°	333.3	356.9	380.0	409.8	440.1	472.3	500.3	529.5	555.6	578.5	597.7
47.5°	375.6	407.0	439.6	474.0	513.4	551.4	590.0	627.7	662.2	692.7	718.8
50°	425.2	463.2	506.1	547.9	594.3	642.4	690.2	737.3	778.7	814.0	843.0
52.5°	478.7	525.8	577.5	629.4	686.8	746.5	803.3	859.3	905.2	941.3	968.1
55°	534.5	592.3	653.3	721.2	791.8	870.3	939.5	988.1	1024.5	1051.5	1069.8
57.5°	593.4	661.9	735.2	819.3	911.1	983.9	1055.2	1092.0	1113.4	1129.1	1139.3
60°	653.8	731.6	820.2	909.2	994.5	1067.0	1123.7	1158.8	1173.7	1185.4	1193.7
62.5°	710.5	798.8	890.7	982.5	1060.5	1126.9	1174.4	1206.1	1221.1	1234.3	1244.9
65°	767.5	853.6	950.4	1043.1	1124.7	1188.6	1224.9	1247.9	1260.5	1273.1	1284.0
67.5°	821.4	911.7	1010.1	1112.6	1196.5	1244.0	1269.4	1280.8	1291.9	1307.9	1318.3
70°	868.8	967.6	1074.0	1184.1	1255.5	1283.2	1298.2	1313.9	1329.2	1338.6	1347.2
72.5°	910.2	1014.2	1126.5	1224.1	1284.3	1308.2	1324.3	1338.6	1351.4	1363.1	1375.0
75°	944.0	1050.7	1161.8	1255.9	1309.5	1328.7	1342.2	1356.2	1370.5	1385.5	1398.2
77.5°	967.8	1073.2	1195.0	1288.7	1329.3	1347.8	1359.1	1367.6	1383.4	1400.7	1417.5
80°	990.9	1098.8	1223.5	1319.4	1349.2	1365.4	1369.9	1381.1	1391.4	1411.1	1433.3
82.5°	1010.5	1124.3	1250.6	1330.4	1361.6	1373.2	1380.6	1395.9	1407.7	1423.1	1441.0
85°	1022.3	1136.8	1269.4	1337.5	1366.8	1376.6	1390.6	1409.6	1422.0	1432.7	1436.3
87.5°	1030.0	1137.3	1278.0	1342.6	1370.6	1380.4	1394.3	1411.7	1421.0	1438.6	1449.9
90°	1022.7	1127.2	1274.6	1343.2	1371.9	1383.9	1394.2	1409.4	1411.0	1433.3	1450.0
92.5°	1030.0	1137.3	1278.0	1342.6	1370.6	1380.4	1394.3	1411.7	1421.0	1438.6	1449.9
95°	1022.3	1136.8	1269.4	1337.5	1366.8	1376.6	1390.6	1409.6	1422.0	1432.7	1436.3
97.5°	1010.5	1124.3	1250.6	1330.4	1361.6	1373.2	1380.6	1395.9	1407.7	1423.1	1441.0
100°	990.9	1098.8	1223.5	1319.4	1349.2	1365.4	1369.9	1381.1	1391.4	1411.1	1433.3
102.5°	967.8	1073.2	1195.0	1288.7	1329.3	1347.8	1359.1	1367.6	1383.4	1400.7	1417.5
105°	944.0	1050.7	1161.8	1255.9	1309.5	1328.7	1342.2	1356.2	1370.5	1385.5	1398.2
107.5°	910.2	1014.2	1126.5	1224.1	1284.3	1308.2	1324.3	1338.6	1351.4	1363.1	1375.0
110°	868.8	967.6	1074.0	1184.1	1255.5	1283.2	1298.2	1313.9	1329.2	1338.6	1347.2



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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°	821.4	911.7	1010.1	1112.6	1196.5	1244.0	1269.4	1280.8	1291.9	1307.9	1318.3
115°	767.5	853.6	950.4	1043.1	1124.7	1188.6	1224.9	1247.9	1260.5	1273.1	1284.0
117.5°	710.5	798.8	890.7	982.5	1060.5	1126.9	1174.4	1206.1	1221.1	1234.3	1244.9
120°	653.8	731.6	820.2	909.2	994.5	1067.0	1123.7	1158.8	1173.7	1185.4	1193.7
122.5°	593.4	661.9	735.2	819.3	911.1	983.9	1055.2	1092.0	1113.4	1129.1	1139.3
125°	534.5	592.3	653.3	721.2	791.8	870.3	939.5	988.1	1024.5	1051.5	1069.8
127.5°	478.7	525.8	577.5	629.4	686.8	746.5	803.3	859.3	905.2	941.3	968.1
130°	425.2	463.2	506.1	547.9	594.3	642.4	690.2	737.3	778.7	814.0	843.0
132.5°	375.6	407.0	439.6	474.0	513.4	551.4	590.0	627.7	662.2	692.7	718.8
135°	333.3	356.9	380.0	409.8	440.1	472.3	500.3	529.5	555.6	578.5	597.7
137.5°	296.0	312.9	332.1	354.5	376.0	397.2	421.1	443.1	462.8	480.0	494.2
140°	262.5	275.1	290.6	306.8	322.5	338.8	355.3	370.3	383.6	394.9	404.1
142.5°	233.2	242.8	254.0	264.8	275.3	287.5	299.2	309.9	319.3	327.3	333.6
145°	205.9	213.2	220.9	228.4	235.8	243.9	251.3	257.9	263.5	267.9	271.2
147.5°	182.8	187.3	191.6	195.5	200.4	205.6	210.2	214.2	217.3	219.6	220.8
150°	161.7	164.6	167.0	169.0	171.8	174.1	175.9	177.2	177.9	178.0	177.3
152.5°	142.9	144.7	145.8	146.9	148.2	149.0	149.3	149.2	148.6	147.5	145.9
155°	126.7	128.4	129.5	130.3	130.6	130.4	129.7	128.6	127.1	125.3	123.1
157.5°	113.6	114.5	115.5	116.4	116.9	117.0	116.8	116.2	115.2	114.1	112.9
160°	104.7	106.2	107.0	107.5	107.7	107.6	107.2	106.7	106.0	105.1	104.2
162.5°	93.8	95.4	96.9	98.2	99.4	100.3	101.0	101.6	102.0	102.3	102.6
165°	80.0	81.8	83.5	85.0	86.5	87.7	88.8	89.8	90.5	91.1	91.9
167.5°	64.8	66.2	67.6	68.8	69.9	70.9	71.7	72.4	72.9	73.3	73.9
170°	51.3	52.0	52.6	53.1	53.5	53.8	54.1	54.2	54.2	54.6	54.2
172.5°	37.6	38.4	39.0	39.6	40.1	40.5	40.8	41.0	41.2	41.6	41.3
175°	22.8	23.1	23.4	23.6	23.7	23.8	23.8	23.8	24.2	23.9	23.6
177.5°	10.7	10.8	10.9	10.9	10.9	10.9	11.2	11.1	11.0	10.8	10.7
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°	0.8	0.8
2.5°	10.5	10.4
5°	23.4	23.1
7.5°	41.0	40.7
10°	53.8	53.4
12.5°	73.6	73.3
15°	91.8	91.7
17.5°	102.3	102.0
20°	103.1	102.0
22.5°	111.1	109.2
25°	120.8	118.0
27.5°	144.0	141.1
30°	176.4	173.8
32.5°	221.6	220.0
35°	273.8	273.4
37.5°	339.1	340.4
40°	412.3	415.3
42.5°	507.1	512.6
45°	615.2	623.4
47.5°	742.7	754.9
50°	868.9	881.7
52.5°	989.9	997.2
55°	1083.2	1084.1
57.5°	1146.5	1144.7
60°	1200.3	1198.9
62.5°	1252.2	1255.5
65°	1292.5	1297.8
67.5°	1323.7	1324.9
70°	1353.8	1357.6
72.5°	1383.7	1388.6
75°	1407.1	1412.6
77.5°	1426.9	1432.5
80°	1442.9	1442.1
82.5°	1454.2	1456.4
85°	1454.9	1468.4
87.5°	1448.4	1472.3
90°	1449.2	1454.8
92.5°	1448.4	1472.3
95°	1454.9	1468.4
97.5°	1454.2	1456.4
100°	1442.9	1442.1
102.5°	1426.9	1432.5
105°	1407.1	1412.6
107.5°	1383.7	1388.6
110°	1353.8	1357.6



TEST NUMBER: P231973

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1323.7	1324.9
115°	1292.5	1297.8
117.5°	1252.2	1255.5
120°	1200.3	1198.9
122.5°	1146.5	1144.7
125°	1083.2	1084.1
127.5°	989.9	997.2
130°	868.9	881.7
132.5°	742.7	754.9
135°	615.2	623.4
137.5°	507.1	512.6
140°	412.3	415.3
142.5°	339.1	340.4
145°	273.8	273.4
147.5°	221.6	220.0
150°	176.4	173.8
152.5°	144.0	141.1
155°	120.8	118.0
157.5°	111.1	109.2
160°	103.1	102.0
162.5°	102.3	102.0
165°	91.8	91.7
167.5°	73.6	73.3
170°	53.8	53.4
172.5°	41.0	40.7
175°	23.4	23.1
177.5°	10.5	10.4
180°	0.0	0.0

(END OF REPORT)