

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: P231948

Luminaire Tested: **FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-13)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH P125 LENS
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

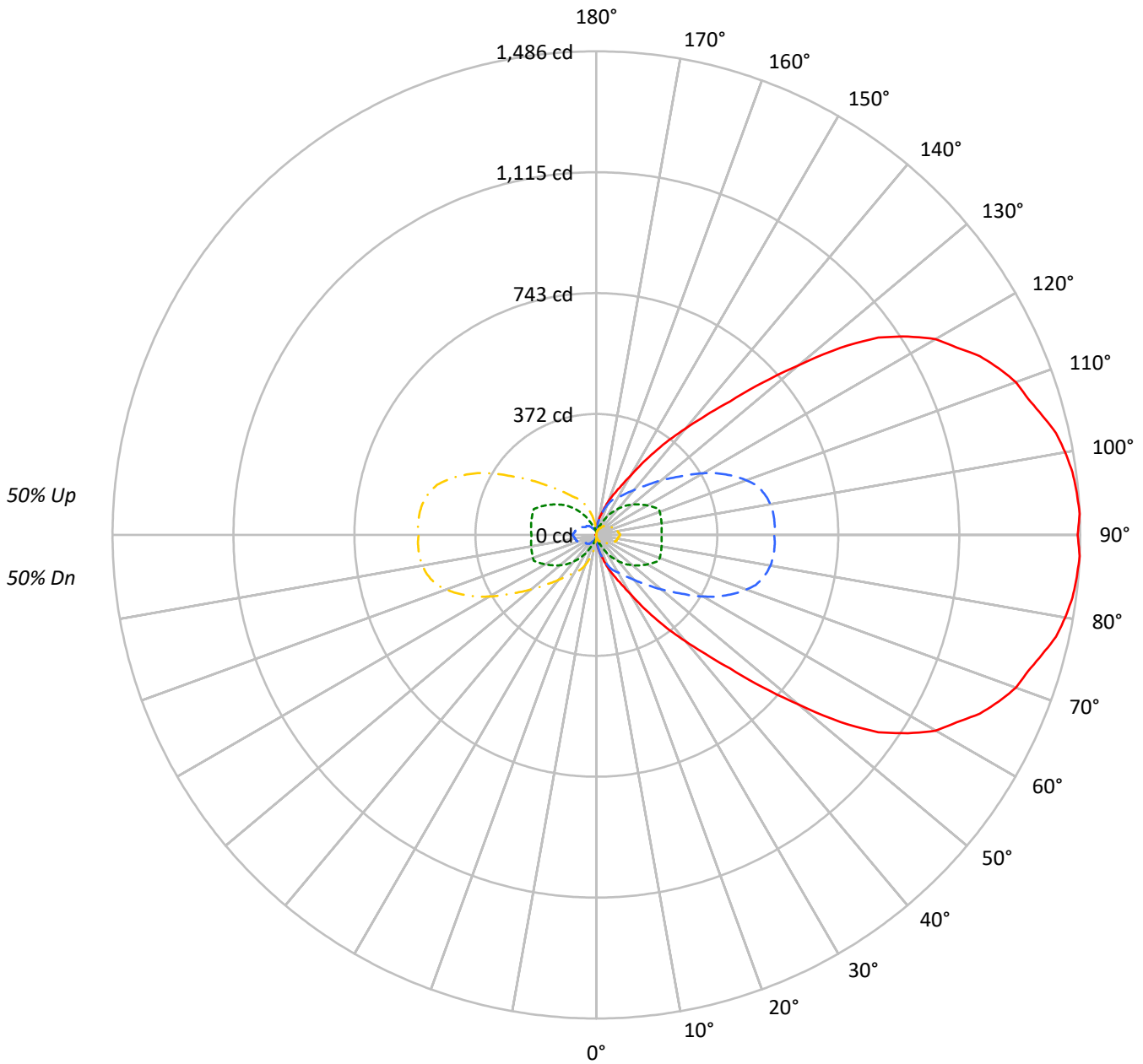
Lumens per Lamp: N/A
Luminaire Lumens: 3474.4 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 24.45 / 15.8 / 16.47
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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	32	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	36	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°	383	119	11	119
10°	632	229	10	229
15°	805	340	9	340
20°	1114	458	8	458
25°	1419	697	8	697
30°	1868	1071	7	1071
35°	2636	1485	7	1485
40°	3514	1958	7	1958
45°	4655	2506	6	2506
50°	6393	3106	6	3106
55°	8254	3847	6	3847
60°	9375	4796	6	4796
65°	10178	6061	13	6061
70°	10882	7475	13	7475
75°	11486	9180	13	9180
80°	12197	12080	0	12080
85°	12832	18015	0	18015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.0
10°-20°	11.3	0.3
20°-30°	31.5	0.9
30°-40°	69.9	2.0
40°-50°	136.3	3.9
50°-60°	241.3	6.9
60°-70°	351.4	10.1
70°-80°	427.6	12.3
80°-90°	466.2	13.4
90°-100°	466.2	13.4
100°-110°	427.6	12.3
110°-120°	351.4	10.1
120°-130°	241.3	6.9
130°-140°	136.3	3.9
140°-150°	69.9	2.0
150°-160°	31.5	0.9
160°-170°	11.3	0.3
170°-180°	1.7	0.0
0°-30°	44.5	1.3
0°-40°	114.3	3.3
0°-60°	491.9	14.2
0°-90°	1737.2	50.0
90°-120°	1245.2	35.8
90°-150°	1692.7	48.7
90°-180°	1737.0	50.0
0°-180°	3474.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	29	8	1	8	29	3
15°	74	22	1	22	74	23
25°	151	43	1	43	151	73
35°	309	85	1	85	309	199
45°	580	127	1	127	580	466
55°	1057	163	1	163	1057	933
65°	1300	199	2	199	1300	1285
75°	1418	205	2	205	1418	1500
85°	1481	201	0	201	1481	1206
90°	1478	200	0	200	1478	812
95°	1481	201	0	201	1481	1206
105°	1418	205	2	205	1418	1500
115°	1300	199	2	199	1300	1285
125°	1057	163	1	163	1057	933
135°	580	127	1	127	580	466
145°	309	85	1	85	309	199
155°	151	43	1	43	151	73
165°	74	22	1	22	74	23
175°	29	8	1	8	29	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°	13.3	13.4	13.6	13.7	13.9	14.0	14.2	13.7	13.7	13.7	13.6
5°	28.9	29.2	29.4	29.7	30.0	29.5	29.5	29.4	29.2	29.0	28.7
7.5°	41.5	42.0	42.4	42.9	42.7	42.9	42.9	42.9	42.7	42.5	42.2
10°	53.2	53.9	54.6	55.3	55.2	55.5	55.6	55.7	55.6	55.4	55.2
12.5°	61.8	62.9	63.9	64.6	65.3	65.9	66.4	66.8	67.0	67.1	67.1
15°	74.3	75.6	77.0	77.6	78.4	79.0	79.5	79.8	79.9	79.9	79.7
17.5°	91.5	92.7	93.9	94.1	94.6	94.8	94.9	94.9	94.7	94.3	93.8
20°	111.1	111.9	112.7	112.3	112.2	111.9	111.4	110.7	109.9	109.0	108.1
22.5°	130.7	131.1	131.4	130.3	129.6	128.7	127.6	126.3	124.9	123.3	121.7
25°	151.0	151.0	150.2	149.3	148.0	146.4	144.5	142.4	140.0	137.4	134.7
27.5°	176.0	175.6	174.1	172.4	170.2	167.5	164.5	161.0	157.3	153.2	149.3
30°	209.7	208.8	206.2	203.3	199.7	195.4	190.5	184.9	178.9	172.3	167.1
32.5°	257.4	255.7	251.4	246.6	240.7	233.7	225.8	217.0	207.5	198.3	190.3
35°	309.0	307.0	301.9	296.0	288.6	279.8	269.6	258.0	245.2	233.0	220.6
37.5°	367.7	365.3	359.0	351.8	342.8	332.0	319.5	305.4	290.0	274.5	257.9
40°	426.4	424.4	418.1	410.6	400.8	388.7	374.4	357.8	339.8	321.1	300.9
42.5°	496.8	495.4	488.4	479.7	468.1	453.5	436.0	415.4	394.9	372.5	347.8
45°	579.7	578.5	570.0	559.8	545.9	528.6	507.8	486.9	459.2	431.3	401.6
47.5°	692.4	688.3	674.1	658.0	638.0	614.5	588.0	560.1	530.8	498.3	465.7
50°	810.5	804.5	786.6	766.3	741.0	710.9	676.7	642.0	606.6	568.6	531.1
52.5°	945.1	938.1	916.0	890.5	858.1	819.2	774.3	731.8	685.4	639.1	595.8
55°	1057.0	1052.4	1033.2	1009.8	978.3	938.7	890.9	834.2	770.3	713.5	660.1
57.5°	1134.4	1135.1	1123.7	1107.7	1083.5	1050.7	1005.1	936.1	866.9	792.2	724.1
60°	1203.3	1204.0	1194.4	1182.4	1165.6	1144.2	1096.2	1027.1	951.0	870.0	792.5
62.5°	1247.1	1247.4	1243.7	1235.8	1223.6	1207.2	1159.9	1102.3	1026.2	943.0	856.4
65°	1299.5	1297.7	1291.6	1281.8	1268.9	1248.2	1211.8	1161.4	1090.9	1007.0	915.1
67.5°	1337.8	1335.6	1329.8	1320.7	1308.7	1289.8	1260.5	1216.2	1152.3	1066.7	970.6
70°	1371.5	1368.6	1362.0	1352.3	1339.4	1322.6	1303.5	1266.0	1211.3	1127.5	1028.7
72.5°	1390.3	1392.2	1389.7	1381.3	1366.2	1347.9	1328.8	1306.3	1256.1	1177.0	1080.8
75°	1417.6	1417.5	1414.1	1405.3	1390.0	1369.5	1348.8	1328.6	1295.0	1217.1	1120.0
77.5°	1445.8	1438.1	1429.9	1419.5	1404.9	1389.3	1370.1	1350.5	1318.6	1256.2	1151.1
80°	1462.2	1453.8	1441.8	1428.4	1413.9	1402.3	1388.4	1371.7	1344.8	1288.1	1179.3
82.5°	1474.8	1462.4	1450.3	1436.2	1426.2	1413.8	1399.9	1384.3	1359.5	1306.5	1209.1
85°	1481.0	1466.1	1453.2	1445.7	1435.1	1422.6	1406.8	1389.1	1366.4	1321.0	1226.9
87.5°	1485.7	1461.5	1459.3	1451.5	1437.5	1424.4	1409.2	1390.9	1369.7	1330.7	1232.4
90°	1477.9	1463.0	1456.0	1449.7	1434.1	1423.1	1409.0	1390.3	1369.1	1332.4	1226.0
92.5°	1485.7	1461.5	1459.3	1451.5	1437.5	1424.4	1409.2	1390.9	1369.7	1330.7	1232.4
95°	1481.0	1466.1	1453.2	1445.7	1435.1	1422.6	1406.8	1389.1	1366.4	1321.0	1226.9
97.5°	1474.8	1462.4	1450.3	1436.2	1426.2	1413.8	1399.9	1384.3	1359.5	1306.5	1209.1
100°	1462.2	1453.8	1441.8	1428.4	1413.9	1402.3	1388.4	1371.7	1344.8	1288.1	1179.3
102.5°	1445.8	1438.1	1429.9	1419.5	1404.9	1389.3	1370.1	1350.5	1318.6	1256.2	1151.1
105°	1417.6	1417.5	1414.1	1405.3	1390.0	1369.5	1348.8	1328.6	1295.0	1217.1	1120.0
107.5°	1390.3	1392.2	1389.7	1381.3	1366.2	1347.9	1328.8	1306.3	1256.1	1177.0	1080.8
110°	1371.5	1368.6	1362.0	1352.3	1339.4	1322.6	1303.5	1266.0	1211.3	1127.5	1028.7



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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°	1337.8	1335.6	1329.8	1320.7	1308.7	1289.8	1260.5	1216.2	1152.3	1066.7	970.6
115°	1299.5	1297.7	1291.6	1281.8	1268.9	1248.2	1211.8	1161.4	1090.9	1007.0	915.1
117.5°	1247.1	1247.4	1243.7	1235.8	1223.6	1207.2	1159.9	1102.3	1026.2	943.0	856.4
120°	1203.3	1204.0	1194.4	1182.4	1165.6	1144.2	1096.2	1027.1	951.0	870.0	792.5
122.5°	1134.4	1135.1	1123.7	1107.7	1083.5	1050.7	1005.1	936.1	866.9	792.2	724.1
125°	1057.0	1052.4	1033.2	1009.8	978.3	938.7	890.9	834.2	770.3	713.5	660.1
127.5°	945.1	938.1	916.0	890.5	858.1	819.2	774.3	731.8	685.4	639.1	595.8
130°	810.5	804.5	786.6	766.3	741.0	710.9	676.7	642.0	606.6	568.6	531.1
132.5°	692.4	688.3	674.1	658.0	638.0	614.5	588.0	560.1	530.8	498.3	465.7
135°	579.7	578.5	570.0	559.8	545.9	528.6	507.8	486.9	459.2	431.3	401.6
137.5°	496.8	495.4	488.4	479.7	468.1	453.5	436.0	415.4	394.9	372.5	347.8
140°	426.4	424.4	418.1	410.6	400.8	388.7	374.4	357.8	339.8	321.1	300.9
142.5°	367.7	365.3	359.0	351.8	342.8	332.0	319.5	305.4	290.0	274.5	257.9
145°	309.0	307.0	301.9	296.0	288.6	279.8	269.6	258.0	245.2	233.0	220.6
147.5°	257.4	255.7	251.4	246.6	240.7	233.7	225.8	217.0	207.5	198.3	190.3
150°	209.7	208.8	206.2	203.3	199.7	195.4	190.5	184.9	178.9	172.3	167.1
152.5°	176.0	175.6	174.1	172.4	170.2	167.5	164.5	161.0	157.3	153.2	149.3
155°	151.0	151.0	150.2	149.3	148.0	146.4	144.5	142.4	140.0	137.4	134.7
157.5°	130.7	131.1	131.4	130.3	129.6	128.7	127.6	126.3	124.9	123.3	121.7
160°	111.1	111.9	112.7	112.3	112.2	111.9	111.4	110.7	109.9	109.0	108.1
162.5°	91.5	92.7	93.9	94.1	94.6	94.8	94.9	94.9	94.7	94.3	93.8
165°	74.3	75.6	77.0	77.6	78.4	79.0	79.5	79.8	79.9	79.9	79.7
167.5°	61.8	62.9	63.9	64.6	65.3	65.9	66.4	66.8	67.0	67.1	67.1
170°	53.2	53.9	54.6	55.3	55.2	55.5	55.6	55.7	55.6	55.4	55.2
172.5°	41.5	42.0	42.4	42.9	42.7	42.9	42.9	42.9	42.7	42.5	42.2
175°	28.9	29.2	29.4	29.7	30.0	29.5	29.5	29.4	29.2	29.0	28.7
177.5°	13.3	13.4	13.6	13.7	13.9	14.0	14.2	13.7	13.7	13.7	13.6
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°	13.5	13.3	13.2	13.0	12.8	12.6	12.3	12.1	11.8	11.5	11.2
5°	28.3	27.9	27.5	27.0	26.4	25.8	25.1	24.4	23.6	22.8	22.0
7.5°	41.9	41.4	40.9	40.3	39.6	38.9	38.0	37.1	36.2	35.0	33.7
10°	54.8	54.3	53.7	53.0	52.2	51.2	50.2	49.0	47.6	46.2	44.7
12.5°	66.9	66.6	66.1	65.5	64.6	63.5	62.2	60.8	59.2	57.6	55.8
15°	79.3	78.7	78.0	77.3	76.4	75.4	74.1	72.7	71.0	69.0	66.8
17.5°	93.3	92.6	91.7	90.7	89.5	88.1	86.4	84.7	82.7	80.5	78.1
20°	107.0	106.0	104.9	103.7	102.5	101.3	99.6	97.5	95.2	92.7	89.8
22.5°	120.1	118.5	117.0	115.4	113.9	112.5	110.9	109.4	108.0	105.0	101.9
25°	132.4	130.2	127.9	125.8	123.8	122.1	120.6	119.1	117.4	115.8	114.5
27.5°	145.9	142.3	138.6	135.3	132.8	130.5	128.6	126.7	125.4	124.1	122.6
30°	161.8	156.3	151.0	146.4	142.1	137.9	135.4	133.2	132.2	132.1	131.9
32.5°	181.9	173.1	165.9	159.3	152.7	147.5	144.4	142.0	141.3	140.5	140.2
35°	207.7	195.2	185.1	174.8	166.9	161.9	156.7	153.7	150.7	149.3	148.4
37.5°	240.0	224.3	209.1	197.4	187.7	178.4	171.8	166.1	161.8	158.7	156.8
40°	279.9	259.9	241.8	226.4	211.9	199.1	188.9	180.0	173.9	169.0	165.7
42.5°	324.4	303.0	281.3	260.8	241.4	224.0	207.9	196.8	186.6	180.2	175.3
45°	375.9	348.5	323.3	298.2	274.5	251.4	232.4	214.3	202.3	191.9	185.3
47.5°	432.4	399.0	368.1	337.4	309.7	283.0	258.2	237.3	218.3	205.7	196.0
50°	492.7	454.7	415.8	380.5	347.0	315.5	286.7	260.3	238.8	220.3	207.1
52.5°	552.0	510.0	467.9	425.2	385.7	349.3	315.7	285.9	259.9	237.1	225.2
55°	610.5	562.1	516.8	472.1	426.2	384.0	344.6	311.8	287.2	266.8	251.2
57.5°	667.4	613.5	562.1	514.6	467.9	419.8	380.4	346.2	317.5	295.7	278.3
60°	720.5	661.2	605.9	552.5	507.0	461.5	416.7	378.6	347.7	323.5	304.8
62.5°	774.6	703.0	645.8	593.2	543.1	498.0	452.0	410.9	376.2	348.2	329.7
65°	824.7	748.5	682.5	628.3	576.7	529.0	483.8	439.4	402.7	373.2	353.1
67.5°	878.6	794.5	721.0	658.2	605.2	556.1	511.0	466.8	428.4	396.9	374.1
70°	930.3	837.4	756.9	684.9	629.1	579.8	534.2	490.7	450.9	418.4	392.6
72.5°	974.8	875.1	787.0	711.3	648.4	598.4	553.8	512.6	470.6	438.3	412.2
75°	1014.6	907.6	811.4	731.8	662.8	612.7	568.6	525.9	486.3	454.1	429.5
77.5°	1046.0	932.8	831.3	750.2	678.2	621.7	576.6	535.9	498.2	467.1	444.5
80°	1069.1	960.6	857.6	767.8	690.0	627.5	581.6	542.8	507.3	477.6	457.7
82.5°	1091.6	983.1	876.8	782.1	698.1	630.3	583.8	546.8	514.0	486.1	469.3
85°	1105.6	996.4	888.8	792.2	702.4	630.2	583.5	548.4	518.6	493.0	479.7
87.5°	1110.5	1004.9	897.1	800.4	704.8	628.6	581.7	548.5	522.1	498.9	489.3
90°	1106.3	996.7	891.9	797.2	698.7	622.0	576.6	546.1	523.4	503.8	498.4
92.5°	1110.5	1004.9	897.1	800.4	704.8	628.6	581.7	548.5	522.1	498.9	489.3
95°	1105.6	996.4	888.8	792.2	702.4	630.2	583.5	548.4	518.6	493.0	479.7
97.5°	1091.6	983.1	876.8	782.1	698.1	630.3	583.8	546.8	514.0	486.1	469.3
100°	1069.1	960.6	857.6	767.8	690.0	627.5	581.6	542.8	507.3	477.6	457.7
102.5°	1046.0	932.8	831.3	750.2	678.2	621.7	576.6	535.9	498.2	467.1	444.5
105°	1014.6	907.6	811.4	731.8	662.8	612.7	568.6	525.9	486.3	454.1	429.5
107.5°	974.8	875.1	787.0	711.3	648.4	598.4	553.8	512.6	470.6	438.3	412.2
110°	930.3	837.4	756.9	684.9	629.1	579.8	534.2	490.7	450.9	418.4	392.6



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	878.6	794.5	721.0	658.2	605.2	556.1	511.0	466.8	428.4	396.9	374.1
115°	824.7	748.5	682.5	628.3	576.7	529.0	483.8	439.4	402.7	373.2	353.1
117.5°	774.6	703.0	645.8	593.2	543.1	498.0	452.0	410.9	376.2	348.2	329.7
120°	720.5	661.2	605.9	552.5	507.0	461.5	416.7	378.6	347.7	323.5	304.8
122.5°	667.4	613.5	562.1	514.6	467.9	419.8	380.4	346.2	317.5	295.7	278.3
125°	610.5	562.1	516.8	472.1	426.2	384.0	344.6	311.8	287.2	266.8	251.2
127.5°	552.0	510.0	467.9	425.2	385.7	349.3	315.7	285.9	259.9	237.1	225.2
130°	492.7	454.7	415.8	380.5	347.0	315.5	286.7	260.3	238.8	220.3	207.1
132.5°	432.4	399.0	368.1	337.4	309.7	283.0	258.2	237.3	218.3	205.7	196.0
135°	375.9	348.5	323.3	298.2	274.5	251.4	232.4	214.3	202.3	191.9	185.3
137.5°	324.4	303.0	281.3	260.8	241.4	224.0	207.9	196.8	186.6	180.2	175.3
140°	279.9	259.9	241.8	226.4	211.9	199.1	188.9	180.0	173.9	169.0	165.7
142.5°	240.0	224.3	209.1	197.4	187.7	178.4	171.8	166.1	161.8	158.7	156.8
145°	207.7	195.2	185.1	174.8	166.9	161.9	156.7	153.7	150.7	149.3	148.4
147.5°	181.9	173.1	165.9	159.3	152.7	147.5	144.4	142.0	141.3	140.5	140.2
150°	161.8	156.3	151.0	146.4	142.1	137.9	135.4	133.2	132.2	132.1	131.9
152.5°	145.9	142.3	138.6	135.3	132.8	130.5	128.6	126.7	125.4	124.1	122.6
155°	132.4	130.2	127.9	125.8	123.8	122.1	120.6	119.1	117.4	115.8	114.5
157.5°	120.1	118.5	117.0	115.4	113.9	112.5	110.9	109.4	108.0	105.0	101.9
160°	107.0	106.0	104.9	103.7	102.5	101.3	99.6	97.5	95.2	92.7	89.8
162.5°	93.3	92.6	91.7	90.7	89.5	88.1	86.4	84.7	82.7	80.5	78.1
165°	79.3	78.7	78.0	77.3	76.4	75.4	74.1	72.7	71.0	69.0	66.8
167.5°	66.9	66.6	66.1	65.5	64.6	63.5	62.2	60.8	59.2	57.6	55.8
170°	54.8	54.3	53.7	53.0	52.2	51.2	50.2	49.0	47.6	46.2	44.7
172.5°	41.9	41.4	40.9	40.3	39.6	38.9	38.0	37.1	36.2	35.0	33.7
175°	28.3	27.9	27.5	27.0	26.4	25.8	25.1	24.4	23.6	22.8	22.0
177.5°	13.5	13.3	13.2	13.0	12.8	12.6	12.3	12.1	11.8	11.5	11.2
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: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	10.8	10.4	10.1	9.7	9.2	8.8	8.4	7.9	7.4	6.9	6.5
5°	21.1	20.1	19.2	18.4	17.6	16.7	15.8	14.9	14.0	13.0	12.0
7.5°	32.4	31.0	29.5	28.0	26.5	24.9	23.2	21.8	20.4	19.0	17.6
10°	43.1	41.4	39.8	37.7	35.6	33.5	31.4	29.1	26.8	24.9	23.0
12.5°	53.8	51.6	49.4	47.0	44.5	42.0	39.3	36.6	33.8	30.9	28.4
15°	64.5	62.0	59.7	56.4	53.4	50.3	47.1	43.8	40.5	37.2	33.8
17.5°	75.9	72.5	69.3	66.0	62.5	58.8	55.0	51.0	47.2	43.3	39.4
20°	86.7	83.3	79.7	75.8	71.7	67.5	63.0	58.4	53.7	49.3	44.9
22.5°	98.6	94.7	90.4	85.9	81.2	76.3	71.2	65.9	60.5	55.2	50.4
25°	110.3	106.3	101.9	96.6	91.6	86.7	81.7	76.6	71.2	65.8	60.9
27.5°	121.6	118.7	114.7	110.4	105.2	99.9	94.5	88.9	83.2	77.5	71.9
30°	131.1	130.0	127.4	123.1	118.3	112.7	107.0	101.0	95.2	88.9	82.9
32.5°	140.0	139.2	138.1	135.1	130.4	125.1	119.2	113.0	106.4	100.0	93.7
35°	148.0	147.7	146.9	145.7	141.8	136.8	130.9	125.1	117.8	110.9	104.5
37.5°	155.8	155.4	155.2	154.2	153.2	147.6	142.1	135.9	129.0	121.5	115.0
40°	163.9	162.9	162.7	162.4	161.3	158.1	152.8	146.7	140.0	132.2	125.3
42.5°	172.0	170.7	169.9	169.9	169.3	168.3	162.9	157.1	150.8	142.8	135.4
45°	181.0	178.1	177.3	177.0	177.1	176.2	172.6	167.1	160.9	153.3	145.3
47.5°	189.3	186.3	184.5	183.9	184.2	185.3	186.6	184.1	180.7	175.0	166.3
50°	199.3	194.9	196.2	199.8	203.9	207.9	211.0	209.5	206.7	201.6	190.6
52.5°	218.0	215.9	217.2	220.4	224.9	230.0	233.9	234.4	232.4	228.7	215.4
55°	241.6	237.7	237.6	240.5	245.6	251.4	256.4	259.0	257.7	255.1	240.7
57.5°	265.9	258.9	257.3	260.5	266.0	272.4	278.6	283.1	282.8	280.8	266.3
60°	289.5	280.4	278.2	280.5	285.9	293.1	300.4	306.7	307.3	306.1	292.2
62.5°	314.0	303.3	298.7	299.9	305.5	313.5	321.8	329.2	331.6	331.3	318.4
65°	337.8	325.5	318.8	318.9	324.7	333.7	342.9	351.4	355.6	356.3	344.8
67.5°	360.3	347.0	338.5	338.4	344.3	353.7	363.9	373.5	379.5	381.1	371.3
70°	381.3	368.5	359.7	357.8	361.9	369.9	378.5	386.7	391.5	389.2	376.0
72.5°	398.5	385.5	374.8	371.0	373.9	380.4	387.6	394.6	399.5	394.1	377.4
75°	413.5	400.3	388.7	384.1	386.2	391.4	397.2	402.6	407.9	399.7	378.8
77.5°	428.4	414.8	402.1	396.9	398.7	402.9	407.2	410.7	416.6	405.8	380.0
80°	443.1	428.9	415.0	409.7	411.5	414.7	417.6	418.9	425.6	412.2	381.1
82.5°	457.5	442.6	427.6	422.3	424.4	426.8	428.2	427.3	434.6	418.9	383.4
85°	471.5	455.9	439.9	434.8	437.5	439.1	439.2	435.5	444.1	426.4	383.1
87.5°	485.5	469.0	452.1	447.4	450.7	451.5	450.0	444.3	452.9	432.2	382.9
90°	498.4	481.2	463.9	460.0	463.9	463.9	460.8	453.0	461.6	438.1	382.6
92.5°	485.5	469.0	452.1	447.4	450.7	451.5	450.0	444.3	452.9	432.2	382.9
95°	471.5	455.9	439.9	434.8	437.5	439.1	439.2	435.5	444.1	426.4	383.1
97.5°	457.5	442.6	427.6	422.3	424.4	426.8	428.2	427.3	434.6	418.9	383.4
100°	443.1	428.9	415.0	409.7	411.5	414.7	417.6	418.9	425.6	412.2	381.1
102.5°	428.4	414.8	402.1	396.9	398.7	402.9	407.2	410.7	416.6	405.8	380.0
105°	413.5	400.3	388.7	384.1	386.2	391.4	397.2	402.6	407.9	399.7	378.8
107.5°	398.5	385.5	374.8	371.0	373.9	380.4	387.6	394.6	399.5	394.1	377.4
110°	381.3	368.5	359.7	357.8	361.9	369.9	378.5	386.7	391.5	389.2	376.0



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	360.3	347.0	338.5	338.4	344.3	353.7	363.9	373.5	379.5	381.1	371.3
115°	337.8	325.5	318.8	318.9	324.7	333.7	342.9	351.4	355.6	356.3	344.8
117.5°	314.0	303.3	298.7	299.9	305.5	313.5	321.8	329.2	331.6	331.3	318.4
120°	289.5	280.4	278.2	280.5	285.9	293.1	300.4	306.7	307.3	306.1	292.2
122.5°	265.9	258.9	257.3	260.5	266.0	272.4	278.6	283.1	282.8	280.8	266.3
125°	241.6	237.7	237.6	240.5	245.6	251.4	256.4	259.0	257.7	255.1	240.7
127.5°	218.0	215.9	217.2	220.4	224.9	230.0	233.9	234.4	232.4	228.7	215.4
130°	199.3	194.9	196.2	199.8	203.9	207.9	211.0	209.5	206.7	201.6	190.6
132.5°	189.3	186.3	184.5	183.9	184.2	185.3	186.6	184.1	180.7	175.0	166.3
135°	181.0	178.1	177.3	177.0	177.1	176.2	172.6	167.1	160.9	153.3	145.3
137.5°	172.0	170.7	169.9	169.9	169.3	168.3	162.9	157.1	150.8	142.8	135.4
140°	163.9	162.9	162.7	162.4	161.3	158.1	152.8	146.7	140.0	132.2	125.3
142.5°	155.8	155.4	155.2	154.2	153.2	147.6	142.1	135.9	129.0	121.5	115.0
145°	148.0	147.7	146.9	145.7	141.8	136.8	130.9	125.1	117.8	110.9	104.5
147.5°	140.0	139.2	138.1	135.1	130.4	125.1	119.2	113.0	106.4	100.0	93.7
150°	131.1	130.0	127.4	123.1	118.3	112.7	107.0	101.0	95.2	88.9	82.9
152.5°	121.6	118.7	114.7	110.4	105.2	99.9	94.5	88.9	83.2	77.5	71.9
155°	110.3	106.3	101.9	96.6	91.6	86.7	81.7	76.6	71.2	65.8	60.9
157.5°	98.6	94.7	90.4	85.9	81.2	76.3	71.2	65.9	60.5	55.2	50.4
160°	86.7	83.3	79.7	75.8	71.7	67.5	63.0	58.4	53.7	49.3	44.9
162.5°	75.9	72.5	69.3	66.0	62.5	58.8	55.0	51.0	47.2	43.3	39.4
165°	64.5	62.0	59.7	56.4	53.4	50.3	47.1	43.8	40.5	37.2	33.8
167.5°	53.8	51.6	49.4	47.0	44.5	42.0	39.3	36.6	33.8	30.9	28.4
170°	43.1	41.4	39.8	37.7	35.6	33.5	31.4	29.1	26.8	24.9	23.0
172.5°	32.4	31.0	29.5	28.0	26.5	24.9	23.2	21.8	20.4	19.0	17.6
175°	21.1	20.1	19.2	18.4	17.6	16.7	15.8	14.9	14.0	13.0	12.0
177.5°	10.8	10.4	10.1	9.7	9.2	8.8	8.4	7.9	7.4	6.9	6.5
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: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	5.9	5.4	4.9	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1
5°	11.0	10.0	9.0	7.9	7.9	7.8	7.7	7.6	7.5	7.4	7.3
7.5°	16.1	14.6	13.1	11.5	11.4	11.3	11.1	10.9	10.7	10.5	10.3
10°	21.1	19.1	17.1	15.1	14.9	14.6	14.4	14.1	13.8	13.6	13.3
12.5°	26.0	23.6	21.1	18.6	18.3	18.0	17.6	17.2	16.9	16.6	16.3
15°	30.9	28.0	25.1	22.2	21.8	21.3	20.8	20.3	20.0	19.7	19.3
17.5°	35.7	32.4	29.1	25.8	25.2	24.6	23.9	23.4	23.1	22.7	22.3
20°	40.5	36.8	33.1	29.3	28.6	27.8	27.0	26.6	26.1	25.7	25.1
22.5°	45.5	41.1	37.0	32.9	32.0	31.0	30.2	29.7	29.2	28.6	28.0
25°	56.0	51.5	47.5	43.3	42.4	41.3	40.4	39.6	38.5	37.0	35.4
27.5°	66.9	61.9	57.9	53.7	53.0	52.0	51.3	50.6	49.2	47.4	45.3
30°	77.5	72.1	68.2	64.2	63.5	62.7	62.3	61.7	59.7	57.6	54.7
32.5°	88.1	82.5	78.5	74.6	74.1	73.6	73.4	72.5	70.2	67.3	63.6
35°	98.5	92.8	88.7	85.0	84.8	84.5	84.5	83.1	80.5	76.5	72.1
37.5°	108.7	103.0	98.8	95.4	95.5	95.5	95.7	93.7	90.8	85.4	79.8
40°	118.8	113.1	108.9	105.9	106.2	106.6	107.0	104.2	100.0	93.8	86.9
42.5°	128.8	123.1	118.9	116.3	116.9	117.7	118.4	114.6	109.0	102.2	93.6
45°	138.8	133.0	128.9	126.7	127.7	128.8	129.0	124.9	117.9	109.3	99.8
47.5°	157.4	148.5	141.0	135.7	134.5	133.7	132.2	127.8	120.5	112.1	103.1
50°	177.6	164.8	153.4	144.8	141.0	138.1	134.4	128.7	120.8	112.3	103.9
52.5°	198.7	181.4	165.9	153.8	147.4	142.1	136.4	129.4	121.2	112.8	105.3
55°	220.4	198.5	178.7	162.9	153.6	145.8	138.3	130.2	121.8	113.7	107.3
57.5°	242.7	216.0	191.7	171.9	159.6	149.3	140.0	131.1	122.6	115.1	109.8
60°	265.6	233.8	204.8	181.0	165.6	152.6	141.6	132.0	123.7	117.2	113.1
62.5°	288.9	251.8	218.1	190.0	171.4	155.7	143.1	132.9	125.1	119.7	117.1
65°	312.6	270.1	231.4	199.1	177.1	158.6	144.5	134.0	126.6	122.6	121.7
67.5°	336.6	288.6	244.9	208.1	182.7	161.4	145.8	135.1	128.4	125.8	126.7
70°	339.1	289.4	244.5	207.1	181.4	160.1	144.9	134.4	128.1	126.3	128.4
72.5°	339.6	289.5	243.9	206.2	180.1	158.9	143.8	133.5	127.4	125.7	127.8
75°	339.7	289.3	244.6	205.2	178.8	157.7	142.9	132.6	126.7	125.0	127.1
77.5°	339.6	289.1	243.5	204.3	177.5	156.6	142.1	131.8	126.0	124.3	126.3
80°	339.1	290.0	242.3	203.3	176.3	155.6	141.3	131.1	125.4	123.5	125.4
82.5°	339.6	288.7	241.2	202.4	175.2	154.8	140.7	130.5	124.9	122.7	124.5
85°	337.8	287.4	240.1	201.4	174.1	154.0	140.2	130.0	124.4	122.0	123.4
87.5°	335.9	286.1	238.9	200.5	173.1	153.2	139.7	129.5	124.0	121.2	122.4
90°	334.1	284.8	237.8	199.5	172.1	152.6	139.3	129.1	123.6	120.5	121.3
92.5°	335.9	286.1	238.9	200.5	173.1	153.2	139.7	129.5	124.0	121.2	122.4
95°	337.8	287.4	240.1	201.4	174.1	154.0	140.2	130.0	124.4	122.0	123.4
97.5°	339.6	288.7	241.2	202.4	175.2	154.8	140.7	130.5	124.9	122.7	124.5
100°	339.1	290.0	242.3	203.3	176.3	155.6	141.3	131.1	125.4	123.5	125.4
102.5°	339.6	289.1	243.5	204.3	177.5	156.6	142.1	131.8	126.0	124.3	126.3
105°	339.7	289.3	244.6	205.2	178.8	157.7	142.9	132.6	126.7	125.0	127.1
107.5°	339.6	289.5	243.9	206.2	180.1	158.9	143.8	133.5	127.4	125.7	127.8
110°	339.1	289.4	244.5	207.1	181.4	160.1	144.9	134.4	128.1	126.3	128.4



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	336.6	288.6	244.9	208.1	182.7	161.4	145.8	135.1	128.4	125.8	126.7
115°	312.6	270.1	231.4	199.1	177.1	158.6	144.5	134.0	126.6	122.6	121.7
117.5°	288.9	251.8	218.1	190.0	171.4	155.7	143.1	132.9	125.1	119.7	117.1
120°	265.6	233.8	204.8	181.0	165.6	152.6	141.6	132.0	123.7	117.2	113.1
122.5°	242.7	216.0	191.7	171.9	159.6	149.3	140.0	131.1	122.6	115.1	109.8
125°	220.4	198.5	178.7	162.9	153.6	145.8	138.3	130.2	121.8	113.7	107.3
127.5°	198.7	181.4	165.9	153.8	147.4	142.1	136.4	129.4	121.2	112.8	105.3
130°	177.6	164.8	153.4	144.8	141.0	138.1	134.4	128.7	120.8	112.3	103.9
132.5°	157.4	148.5	141.0	135.7	134.5	133.7	132.2	127.8	120.5	112.1	103.1
135°	138.8	133.0	128.9	126.7	127.7	128.8	129.0	124.9	117.9	109.3	99.8
137.5°	128.8	123.1	118.9	116.3	116.9	117.7	118.4	114.6	109.0	102.2	93.6
140°	118.8	113.1	108.9	105.9	106.2	106.6	107.0	104.2	100.0	93.8	86.9
142.5°	108.7	103.0	98.8	95.4	95.5	95.5	95.7	93.7	90.8	85.4	79.8
145°	98.5	92.8	88.7	85.0	84.8	84.5	84.5	83.1	80.5	76.5	72.1
147.5°	88.1	82.5	78.5	74.6	74.1	73.6	73.4	72.5	70.2	67.3	63.6
150°	77.5	72.1	68.2	64.2	63.5	62.7	62.3	61.7	59.7	57.6	54.7
152.5°	66.9	61.9	57.9	53.7	53.0	52.0	51.3	50.6	49.2	47.4	45.3
155°	56.0	51.5	47.5	43.3	42.4	41.3	40.4	39.6	38.5	37.0	35.4
157.5°	45.5	41.1	37.0	32.9	32.0	31.0	30.2	29.7	29.2	28.6	28.0
160°	40.5	36.8	33.1	29.3	28.6	27.8	27.0	26.6	26.1	25.7	25.1
162.5°	35.7	32.4	29.1	25.8	25.2	24.6	23.9	23.4	23.1	22.7	22.3
165°	30.9	28.0	25.1	22.2	21.8	21.3	20.8	20.3	20.0	19.7	19.3
167.5°	26.0	23.6	21.1	18.6	18.3	18.0	17.6	17.2	16.9	16.6	16.3
170°	21.1	19.1	17.1	15.1	14.9	14.6	14.4	14.1	13.8	13.6	13.3
172.5°	16.1	14.6	13.1	11.5	11.4	11.3	11.1	10.9	10.7	10.5	10.3
175°	11.0	10.0	9.0	7.9	7.9	7.8	7.7	7.6	7.5	7.4	7.3
177.5°	5.9	5.4	4.9	4.4	4.4	4.3	4.3	4.3	4.2	4.2	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: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2
5°	7.2	7.0	6.9	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4
7.5°	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.5	8.2	7.9	7.6
10°	13.1	12.8	12.6	12.3	12.0	11.6	11.3	10.9	10.5	10.1	9.7
12.5°	16.0	15.7	15.4	15.0	14.6	14.2	13.7	13.3	12.8	12.3	11.8
15°	19.0	18.5	18.1	17.6	17.1	16.6	16.1	15.6	15.0	14.4	13.8
17.5°	21.8	21.3	20.8	20.2	19.7	19.1	18.4	17.8	17.1	16.4	15.7
20°	24.6	24.0	23.4	22.8	22.1	21.4	20.7	20.0	19.2	18.4	17.6
22.5°	27.4	26.7	26.0	25.3	24.5	23.7	22.9	22.1	21.2	20.3	19.4
25°	33.5	31.6	29.7	27.8	26.9	26.0	25.1	24.1	23.1	22.1	21.1
27.5°	42.9	40.4	37.8	35.3	32.8	30.4	28.2	26.1	25.0	23.9	22.8
30°	51.7	48.4	45.1	41.9	38.9	36.1	33.4	30.9	28.5	26.3	24.5
32.5°	59.7	55.6	51.6	47.8	44.2	40.9	37.9	35.1	32.4	30.0	27.7
35°	67.0	62.1	57.3	52.9	48.9	45.1	41.8	38.7	35.8	33.1	30.5
37.5°	73.7	67.9	62.4	57.5	52.9	48.9	45.2	41.8	38.6	35.6	33.0
40°	79.9	73.2	67.0	61.4	56.6	52.2	48.2	44.5	41.0	38.0	35.5
42.5°	85.6	77.9	71.2	65.2	59.9	55.2	50.8	46.7	43.2	40.2	37.3
45°	90.8	82.4	74.8	68.7	63.0	57.8	53.0	48.8	45.3	42.0	38.7
47.5°	94.4	86.3	78.6	71.8	65.7	60.1	55.0	50.9	47.1	43.3	39.9
50°	96.0	89.0	82.5	76.0	69.3	62.4	57.1	52.7	48.5	44.4	40.6
52.5°	98.6	92.6	87.4	81.6	75.3	68.5	62.0	55.7	49.6	45.2	41.0
55°	102.0	97.5	93.2	88.0	81.6	74.8	67.9	61.1	54.4	47.7	41.5
57.5°	106.2	103.1	99.5	94.8	88.3	80.9	73.6	66.2	58.9	51.6	45.3
60°	111.0	109.4	106.5	101.7	94.9	87.0	79.1	71.1	62.9	55.4	48.7
62.5°	116.6	116.3	114.1	109.0	101.4	92.9	84.5	75.8	66.7	59.0	51.7
65°	122.7	123.5	122.1	116.5	107.9	98.8	89.7	80.0	70.5	62.4	54.6
67.5°	129.3	131.0	129.7	123.9	114.3	104.7	94.8	84.0	74.4	65.7	57.5
70°	132.4	135.7	135.5	130.4	120.7	110.5	99.8	87.9	78.2	68.8	60.2
72.5°	131.9	135.2	135.0	130.3	122.3	113.2	102.7	91.4	81.9	72.0	62.9
75°	131.3	134.8	135.0	130.8	123.8	114.8	104.0	92.8	82.6	73.1	64.4
77.5°	130.6	134.5	135.2	131.9	125.7	116.8	105.7	94.2	83.6	73.8	65.1
80°	129.8	134.2	135.7	133.5	128.0	119.1	107.8	95.8	84.8	74.9	66.1
82.5°	129.0	134.0	136.3	135.5	130.7	121.8	110.2	97.5	86.4	76.1	67.4
85°	128.1	133.7	137.0	137.7	133.6	124.7	113.0	99.6	88.2	77.7	69.1
87.5°	127.1	133.4	137.8	140.0	136.7	127.9	116.2	102.0	90.5	79.7	71.1
90°	126.0	133.0	138.5	142.4	140.0	131.4	119.7	104.8	93.1	82.1	73.5
92.5°	127.1	133.4	137.8	140.0	136.7	127.9	116.2	102.0	90.5	79.7	71.1
95°	128.1	133.7	137.0	137.7	133.6	124.7	113.0	99.6	88.2	77.7	69.1
97.5°	129.0	134.0	136.3	135.5	130.7	121.8	110.2	97.5	86.4	76.1	67.4
100°	129.8	134.2	135.7	133.5	128.0	119.1	107.8	95.8	84.8	74.9	66.1
102.5°	130.6	134.5	135.2	131.9	125.7	116.8	105.7	94.2	83.6	73.8	65.1
105°	131.3	134.8	135.0	130.8	123.8	114.8	104.0	92.8	82.6	73.1	64.4
107.5°	131.9	135.2	135.0	130.3	122.3	113.2	102.7	91.4	81.9	72.0	62.9
110°	132.4	135.7	135.5	130.4	120.7	110.5	99.8	87.9	78.2	68.8	60.2



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	129.3	131.0	129.7	123.9	114.3	104.7	94.8	84.0	74.4	65.7	57.5
115°	122.7	123.5	122.1	116.5	107.9	98.8	89.7	80.0	70.5	62.4	54.6
117.5°	116.6	116.3	114.1	109.0	101.4	92.9	84.5	75.8	66.7	59.0	51.7
120°	111.0	109.4	106.5	101.7	94.9	87.0	79.1	71.1	62.9	55.4	48.7
122.5°	106.2	103.1	99.5	94.8	88.3	80.9	73.6	66.2	58.9	51.6	45.3
125°	102.0	97.5	93.2	88.0	81.6	74.8	67.9	61.1	54.4	47.7	41.5
127.5°	98.6	92.6	87.4	81.6	75.3	68.5	62.0	55.7	49.6	45.2	41.0
130°	96.0	89.0	82.5	76.0	69.3	62.4	57.1	52.7	48.5	44.4	40.6
132.5°	94.4	86.3	78.6	71.8	65.7	60.1	55.0	50.9	47.1	43.3	39.9
135°	90.8	82.4	74.8	68.7	63.0	57.8	53.0	48.8	45.3	42.0	38.7
137.5°	85.6	77.9	71.2	65.2	59.9	55.2	50.8	46.7	43.2	40.2	37.3
140°	79.9	73.2	67.0	61.4	56.6	52.2	48.2	44.5	41.0	38.0	35.5
142.5°	73.7	67.9	62.4	57.5	52.9	48.9	45.2	41.8	38.6	35.6	33.0
145°	67.0	62.1	57.3	52.9	48.9	45.1	41.8	38.7	35.8	33.1	30.5
147.5°	59.7	55.6	51.6	47.8	44.2	40.9	37.9	35.1	32.4	30.0	27.7
150°	51.7	48.4	45.1	41.9	38.9	36.1	33.4	30.9	28.5	26.3	24.5
152.5°	42.9	40.4	37.8	35.3	32.8	30.4	28.2	26.1	25.0	23.9	22.8
155°	33.5	31.6	29.7	27.8	26.9	26.0	25.1	24.1	23.1	22.1	21.1
157.5°	27.4	26.7	26.0	25.3	24.5	23.7	22.9	22.1	21.2	20.3	19.4
160°	24.6	24.0	23.4	22.8	22.1	21.4	20.7	20.0	19.2	18.4	17.6
162.5°	21.8	21.3	20.8	20.2	19.7	19.1	18.4	17.8	17.1	16.4	15.7
165°	19.0	18.5	18.1	17.6	17.1	16.6	16.1	15.6	15.0	14.4	13.8
167.5°	16.0	15.7	15.4	15.0	14.6	14.2	13.7	13.3	12.8	12.3	11.8
170°	13.1	12.8	12.6	12.3	12.0	11.6	11.3	10.9	10.5	10.1	9.7
172.5°	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.5	8.2	7.9	7.6
175°	7.2	7.0	6.9	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4
177.5°	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.3	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: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	3.1	3.0	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8
5°	5.2	5.0	4.8	4.5	4.3	4.0	3.8	3.5	3.3	3.0	2.7
7.5°	7.3	7.0	6.6	6.3	5.9	5.6	5.2	4.8	4.4	4.0	3.6
10°	9.3	8.9	8.4	8.0	7.5	7.0	6.5	6.0	5.5	5.0	4.5
12.5°	11.3	10.7	10.2	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.3
15°	13.1	12.5	11.8	11.2	10.5	9.8	9.1	8.3	7.6	6.9	6.1
17.5°	15.0	14.2	13.4	12.7	11.9	11.1	10.2	9.4	8.6	7.7	6.9
20°	16.7	15.9	15.0	14.1	13.2	12.3	11.4	10.4	9.5	8.6	7.6
22.5°	18.4	17.5	16.5	15.5	14.5	13.5	12.5	11.4	10.4	9.4	8.3
25°	20.1	19.0	17.9	16.9	15.8	14.7	13.6	12.4	11.3	10.1	9.0
27.5°	21.7	20.5	19.4	18.2	17.0	15.8	14.6	13.4	12.2	11.0	9.8
30°	23.3	22.1	20.8	19.5	18.2	17.0	15.9	14.6	13.4	12.0	10.6
32.5°	25.4	23.5	22.2	21.1	19.9	18.6	17.1	15.7	14.2	12.8	11.4
35°	28.1	26.2	24.4	22.7	21.2	19.6	18.2	16.8	15.4	13.9	12.3
37.5°	30.8	28.7	26.4	24.3	22.6	21.2	19.7	18.0	16.3	14.6	12.9
40°	32.9	30.4	28.2	26.2	24.4	22.5	20.7	18.9	17.1	15.3	13.5
42.5°	34.4	31.9	29.7	27.4	25.3	23.4	21.7	19.8	17.9	16.0	14.1
45°	35.8	33.1	30.4	28.0	25.9	23.9	22.2	20.6	18.5	16.3	14.2
47.5°	36.7	33.6	30.8	28.4	26.2	24.1	22.2	20.4	18.6	16.4	14.2
50°	37.0	33.9	31.0	28.4	26.1	23.9	21.8	19.8	18.0	16.3	14.1
52.5°	37.2	34.0	30.9	28.2	25.8	23.3	21.0	19.2	17.4	16.0	14.4
55°	37.4	33.8	30.6	27.9	25.1	22.5	20.5	18.7	17.2	15.8	14.2
57.5°	39.3	33.7	30.4	27.2	24.3	22.1	20.2	18.4	16.7	15.0	13.4
60°	42.2	36.6	31.3	26.4	24.0	21.8	19.8	17.8	16.0	14.3	12.9
62.5°	45.0	39.1	33.2	28.5	24.4	21.4	19.2	17.3	15.6	14.3	12.9
65°	47.7	41.1	35.3	30.5	26.0	22.1	18.9	17.1	15.8	14.2	12.4
67.5°	50.0	43.1	37.3	32.1	27.6	23.6	20.2	17.7	15.9	13.9	11.7
70°	52.3	45.3	39.1	33.7	29.1	24.9	21.5	18.6	15.9	13.3	11.0
72.5°	54.6	47.3	40.9	35.5	30.5	26.0	22.4	18.7	15.5	12.7	10.4
75°	56.6	49.4	42.6	37.3	31.7	27.0	22.5	18.4	14.9	12.0	9.8
77.5°	57.2	50.0	43.8	38.4	32.8	27.7	22.4	18.0	14.4	11.1	8.4
80°	58.1	50.8	44.6	38.7	33.0	27.6	22.3	17.7	13.7	9.7	6.7
82.5°	59.3	51.9	45.6	39.3	33.4	27.6	22.2	17.7	13.0	8.6	5.1
85°	60.8	53.3	46.8	40.2	33.9	27.9	22.5	18.0	12.9	8.4	4.7
87.5°	62.7	55.0	48.3	41.4	34.8	28.6	23.2	18.6	13.2	8.7	4.9
90°	64.9	57.1	50.1	43.0	36.0	29.7	24.3	19.6	14.1	9.4	5.5
92.5°	62.7	55.0	48.3	41.4	34.8	28.6	23.2	18.6	13.2	8.7	4.9
95°	60.8	53.3	46.8	40.2	33.9	27.9	22.5	18.0	12.9	8.4	4.7
97.5°	59.3	51.9	45.6	39.3	33.4	27.6	22.2	17.7	13.0	8.6	5.1
100°	58.1	50.8	44.6	38.7	33.0	27.6	22.3	17.7	13.7	9.7	6.7
102.5°	57.2	50.0	43.8	38.4	32.8	27.7	22.4	18.0	14.4	11.1	8.4
105°	56.6	49.4	42.6	37.3	31.7	27.0	22.5	18.4	14.9	12.0	9.8
107.5°	54.6	47.3	40.9	35.5	30.5	26.0	22.4	18.7	15.5	12.7	10.4
110°	52.3	45.3	39.1	33.7	29.1	24.9	21.5	18.6	15.9	13.3	11.0



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	50.0	43.1	37.3	32.1	27.6	23.6	20.2	17.7	15.9	13.9	11.7
115°	47.7	41.1	35.3	30.5	26.0	22.1	18.9	17.1	15.8	14.2	12.4
117.5°	45.0	39.1	33.2	28.5	24.4	21.4	19.2	17.3	15.6	14.3	12.9
120°	42.2	36.6	31.3	26.4	24.0	21.8	19.8	17.8	16.0	14.3	12.9
122.5°	39.3	33.7	30.4	27.2	24.3	22.1	20.2	18.4	16.7	15.0	13.4
125°	37.4	33.8	30.6	27.9	25.1	22.5	20.5	18.7	17.2	15.8	14.2
127.5°	37.2	34.0	30.9	28.2	25.8	23.3	21.0	19.2	17.4	16.0	14.4
130°	37.0	33.9	31.0	28.4	26.1	23.9	21.8	19.8	18.0	16.3	14.1
132.5°	36.7	33.6	30.8	28.4	26.2	24.1	22.2	20.4	18.6	16.4	14.2
135°	35.8	33.1	30.4	28.0	25.9	23.9	22.2	20.6	18.5	16.3	14.2
137.5°	34.4	31.9	29.7	27.4	25.3	23.4	21.7	19.8	17.9	16.0	14.1
140°	32.9	30.4	28.2	26.2	24.4	22.5	20.7	18.9	17.1	15.3	13.5
142.5°	30.8	28.7	26.4	24.3	22.6	21.2	19.7	18.0	16.3	14.6	12.9
145°	28.1	26.2	24.4	22.7	21.2	19.6	18.2	16.8	15.4	13.9	12.3
147.5°	25.4	23.5	22.2	21.1	19.9	18.6	17.1	15.7	14.2	12.8	11.4
150°	23.3	22.1	20.8	19.5	18.2	17.0	15.9	14.6	13.4	12.0	10.6
152.5°	21.7	20.5	19.4	18.2	17.0	15.8	14.6	13.4	12.2	11.0	9.8
155°	20.1	19.0	17.9	16.9	15.8	14.7	13.6	12.4	11.3	10.1	9.0
157.5°	18.4	17.5	16.5	15.5	14.5	13.5	12.5	11.4	10.4	9.4	8.3
160°	16.7	15.9	15.0	14.1	13.2	12.3	11.4	10.4	9.5	8.6	7.6
162.5°	15.0	14.2	13.4	12.7	11.9	11.1	10.2	9.4	8.6	7.7	6.9
165°	13.1	12.5	11.8	11.2	10.5	9.8	9.1	8.3	7.6	6.9	6.1
167.5°	11.3	10.7	10.2	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.3
170°	9.3	8.9	8.4	8.0	7.5	7.0	6.5	6.0	5.5	5.0	4.5
172.5°	7.3	7.0	6.6	6.3	5.9	5.6	5.2	4.8	4.4	4.0	3.6
175°	5.2	5.0	4.8	4.5	4.3	4.0	3.8	3.5	3.3	3.0	2.7
177.5°	3.1	3.0	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.9	1.1	1.2	1.4
5°	2.5	2.2	1.9	1.6	1.4	1.1	0.8	1.1	1.4	1.6	1.9
7.5°	3.2	2.8	2.4	2.0	1.6	1.2	0.8	1.2	1.6	2.0	2.4
10°	4.0	3.5	2.9	2.4	1.9	1.3	0.8	1.3	1.9	2.4	2.9
12.5°	4.7	4.1	3.4	2.8	2.1	1.5	0.8	1.5	2.1	2.8	3.4
15°	5.4	4.6	3.9	3.1	2.3	1.6	0.8	1.6	2.3	3.1	3.9
17.5°	6.0	5.2	4.3	3.4	2.6	1.7	0.8	1.7	2.6	3.4	4.3
20°	6.6	5.7	4.7	3.7	2.8	1.8	0.8	1.8	2.8	3.7	4.7
22.5°	7.3	6.2	5.1	4.0	3.0	1.9	0.8	1.9	3.0	4.0	5.1
25°	7.8	6.7	5.5	4.3	3.2	2.0	0.8	2.0	3.2	4.3	5.5
27.5°	8.5	7.3	6.0	4.7	3.4	2.1	0.8	2.1	3.4	4.7	6.0
30°	9.2	7.8	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0	6.4
32.5°	9.9	8.4	6.9	5.4	3.9	2.3	0.8	2.3	3.9	5.4	6.9
35°	10.6	9.0	7.4	5.7	4.1	2.4	0.8	2.4	4.1	5.7	7.4
37.5°	11.2	9.4	7.7	6.0	4.3	2.5	0.8	2.5	4.3	6.0	7.7
40°	11.7	9.9	8.1	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.1
42.5°	12.1	10.1	8.2	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.2
45°	12.2	10.2	8.2	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.2
47.5°	12.1	10.1	8.1	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.1
50°	12.0	10.2	8.3	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.3
52.5°	12.5	10.3	8.3	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.3
55°	12.2	10.0	8.0	6.1	4.3	2.5	0.8	2.5	4.3	6.1	8.0
57.5°	11.8	9.8	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
60°	11.7	10.0	7.9	6.0	4.2	2.5	0.8	2.5	4.2	6.0	7.9
62.5°	11.2	9.4	7.4	5.7	4.3	2.9	1.6	2.9	4.3	5.7	7.4
65°	10.4	8.6	6.9	5.3	3.9	2.7	1.6	2.7	3.9	5.3	6.9
67.5°	9.6	7.8	6.0	4.6	3.4	2.5	1.6	2.5	3.4	4.6	6.0
70°	8.9	7.0	5.2	4.0	3.1	2.3	1.6	2.3	3.1	4.0	5.2
72.5°	8.5	6.5	4.8	3.3	2.4	1.9	1.6	1.9	2.4	3.3	4.8
75°	7.9	5.7	3.8	2.6	2.2	1.9	1.6	1.9	2.2	2.6	3.8
77.5°	6.3	4.7	2.9	1.9	0.9	0.2	0.0	0.2	0.9	1.9	2.9
80°	4.4	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
82.5°	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.4	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
102.5°	6.3	4.7	2.9	1.9	0.9	0.2	0.0	0.2	0.9	1.9	2.9
105°	7.9	5.7	3.8	2.6	2.2	1.9	1.6	1.9	2.2	2.6	3.8
107.5°	8.5	6.5	4.8	3.3	2.4	1.9	1.6	1.9	2.4	3.3	4.8
110°	8.9	7.0	5.2	4.0	3.1	2.3	1.6	2.3	3.1	4.0	5.2



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	9.6	7.8	6.0	4.6	3.4	2.5	1.6	2.5	3.4	4.6	6.0
115°	10.4	8.6	6.9	5.3	3.9	2.7	1.6	2.7	3.9	5.3	6.9
117.5°	11.2	9.4	7.4	5.7	4.3	2.9	1.6	2.9	4.3	5.7	7.4
120°	11.7	10.0	7.9	6.0	4.2	2.5	0.8	2.5	4.2	6.0	7.9
122.5°	11.8	9.8	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
125°	12.2	10.0	8.0	6.1	4.3	2.5	0.8	2.5	4.3	6.1	8.0
127.5°	12.5	10.3	8.3	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.3
130°	12.0	10.2	8.3	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.3
132.5°	12.1	10.1	8.1	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.1
135°	12.2	10.2	8.2	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.2
137.5°	12.1	10.1	8.2	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.2
140°	11.7	9.9	8.1	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.1
142.5°	11.2	9.4	7.7	6.0	4.3	2.5	0.8	2.5	4.3	6.0	7.7
145°	10.6	9.0	7.4	5.7	4.1	2.4	0.8	2.4	4.1	5.7	7.4
147.5°	9.9	8.4	6.9	5.4	3.9	2.3	0.8	2.3	3.9	5.4	6.9
150°	9.2	7.8	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0	6.4
152.5°	8.5	7.3	6.0	4.7	3.4	2.1	0.8	2.1	3.4	4.7	6.0
155°	7.8	6.7	5.5	4.3	3.2	2.0	0.8	2.0	3.2	4.3	5.5
157.5°	7.3	6.2	5.1	4.0	3.0	1.9	0.8	1.9	3.0	4.0	5.1
160°	6.6	5.7	4.7	3.7	2.8	1.8	0.8	1.8	2.8	3.7	4.7
162.5°	6.0	5.2	4.3	3.4	2.6	1.7	0.8	1.7	2.6	3.4	4.3
165°	5.4	4.6	3.9	3.1	2.3	1.6	0.8	1.6	2.3	3.1	3.9
167.5°	4.7	4.1	3.4	2.8	2.1	1.5	0.8	1.5	2.1	2.8	3.4
170°	4.0	3.5	2.9	2.4	1.9	1.3	0.8	1.3	1.9	2.4	2.9
172.5°	3.2	2.8	2.4	2.0	1.6	1.2	0.8	1.2	1.6	2.0	2.4
175°	2.5	2.2	1.9	1.6	1.4	1.1	0.8	1.1	1.4	1.6	1.9
177.5°	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.9	1.1	1.2	1.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7	2.8
5°	2.2	2.5	2.7	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.8
7.5°	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	5.9	6.3	6.6
10°	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.4
12.5°	4.1	4.7	5.3	6.0	6.6	7.2	7.8	8.4	9.0	9.6	10.2
15°	4.6	5.4	6.1	6.9	7.6	8.3	9.1	9.8	10.5	11.2	11.8
17.5°	5.2	6.0	6.9	7.7	8.6	9.4	10.2	11.1	11.9	12.7	13.4
20°	5.7	6.6	7.6	8.6	9.5	10.4	11.4	12.3	13.2	14.1	15.0
22.5°	6.2	7.3	8.3	9.4	10.4	11.4	12.5	13.5	14.5	15.5	16.5
25°	6.7	7.8	9.0	10.1	11.3	12.4	13.6	14.7	15.8	16.9	17.9
27.5°	7.3	8.5	9.8	11.0	12.2	13.4	14.6	15.8	17.0	18.2	19.4
30°	7.8	9.2	10.6	12.0	13.4	14.6	15.9	17.0	18.2	19.5	20.8
32.5°	8.4	9.9	11.4	12.8	14.2	15.7	17.1	18.6	19.9	21.1	22.2
35°	9.0	10.6	12.3	13.9	15.4	16.8	18.2	19.6	21.2	22.7	24.4
37.5°	9.4	11.2	12.9	14.6	16.3	18.0	19.7	21.2	22.6	24.3	26.4
40°	9.9	11.7	13.5	15.3	17.1	18.9	20.7	22.5	24.4	26.2	28.2
42.5°	10.1	12.1	14.1	16.0	17.9	19.8	21.7	23.4	25.3	27.4	29.7
45°	10.2	12.2	14.2	16.3	18.5	20.6	22.2	23.9	25.9	28.0	30.4
47.5°	10.1	12.1	14.2	16.4	18.6	20.4	22.2	24.1	26.2	28.4	30.8
50°	10.2	12.0	14.1	16.3	18.0	19.8	21.8	23.9	26.1	28.4	31.0
52.5°	10.3	12.5	14.4	16.0	17.4	19.2	21.0	23.3	25.8	28.2	30.9
55°	10.0	12.2	14.2	15.8	17.2	18.7	20.5	22.5	25.1	27.9	30.6
57.5°	9.8	11.8	13.4	15.0	16.7	18.4	20.2	22.1	24.3	27.2	30.4
60°	10.0	11.7	12.9	14.3	16.0	17.8	19.8	21.8	24.0	26.4	31.3
62.5°	9.4	11.2	12.9	14.3	15.6	17.3	19.2	21.4	24.4	28.5	33.2
65°	8.6	10.4	12.4	14.2	15.8	17.1	18.9	22.1	26.0	30.5	35.3
67.5°	7.8	9.6	11.7	13.9	15.9	17.7	20.2	23.6	27.6	32.1	37.3
70°	7.0	8.9	11.0	13.3	15.9	18.6	21.5	24.9	29.1	33.7	39.1
72.5°	6.5	8.5	10.4	12.7	15.5	18.7	22.4	26.0	30.5	35.5	40.9
75°	5.7	7.9	9.8	12.0	14.9	18.4	22.5	27.0	31.7	37.3	42.6
77.5°	4.7	6.3	8.4	11.1	14.4	18.0	22.4	27.7	32.8	38.4	43.8
80°	2.9	4.4	6.7	9.7	13.7	17.7	22.3	27.6	33.0	38.7	44.6
82.5°	1.5	2.9	5.1	8.6	13.0	17.7	22.2	27.6	33.4	39.3	45.6
85°	0.6	2.2	4.7	8.4	12.9	18.0	22.5	27.9	33.9	40.2	46.8
87.5°	0.2	1.8	4.9	8.7	13.2	18.6	23.2	28.6	34.8	41.4	48.3
90°	0.0	1.6	5.5	9.4	14.1	19.6	24.3	29.7	36.0	43.0	50.1
92.5°	0.2	1.8	4.9	8.7	13.2	18.6	23.2	28.6	34.8	41.4	48.3
95°	0.6	2.2	4.7	8.4	12.9	18.0	22.5	27.9	33.9	40.2	46.8
97.5°	1.5	2.9	5.1	8.6	13.0	17.7	22.2	27.6	33.4	39.3	45.6
100°	2.9	4.4	6.7	9.7	13.7	17.7	22.3	27.6	33.0	38.7	44.6
102.5°	4.7	6.3	8.4	11.1	14.4	18.0	22.4	27.7	32.8	38.4	43.8
105°	5.7	7.9	9.8	12.0	14.9	18.4	22.5	27.0	31.7	37.3	42.6
107.5°	6.5	8.5	10.4	12.7	15.5	18.7	22.4	26.0	30.5	35.5	40.9
110°	7.0	8.9	11.0	13.3	15.9	18.6	21.5	24.9	29.1	33.7	39.1



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	7.8	9.6	11.7	13.9	15.9	17.7	20.2	23.6	27.6	32.1	37.3
115°	8.6	10.4	12.4	14.2	15.8	17.1	18.9	22.1	26.0	30.5	35.3
117.5°	9.4	11.2	12.9	14.3	15.6	17.3	19.2	21.4	24.4	28.5	33.2
120°	10.0	11.7	12.9	14.3	16.0	17.8	19.8	21.8	24.0	26.4	31.3
122.5°	9.8	11.8	13.4	15.0	16.7	18.4	20.2	22.1	24.3	27.2	30.4
125°	10.0	12.2	14.2	15.8	17.2	18.7	20.5	22.5	25.1	27.9	30.6
127.5°	10.3	12.5	14.4	16.0	17.4	19.2	21.0	23.3	25.8	28.2	30.9
130°	10.2	12.0	14.1	16.3	18.0	19.8	21.8	23.9	26.1	28.4	31.0
132.5°	10.1	12.1	14.2	16.4	18.6	20.4	22.2	24.1	26.2	28.4	30.8
135°	10.2	12.2	14.2	16.3	18.5	20.6	22.2	23.9	25.9	28.0	30.4
137.5°	10.1	12.1	14.1	16.0	17.9	19.8	21.7	23.4	25.3	27.4	29.7
140°	9.9	11.7	13.5	15.3	17.1	18.9	20.7	22.5	24.4	26.2	28.2
142.5°	9.4	11.2	12.9	14.6	16.3	18.0	19.7	21.2	22.6	24.3	26.4
145°	9.0	10.6	12.3	13.9	15.4	16.8	18.2	19.6	21.2	22.7	24.4
147.5°	8.4	9.9	11.4	12.8	14.2	15.7	17.1	18.6	19.9	21.1	22.2
150°	7.8	9.2	10.6	12.0	13.4	14.6	15.9	17.0	18.2	19.5	20.8
152.5°	7.3	8.5	9.8	11.0	12.2	13.4	14.6	15.8	17.0	18.2	19.4
155°	6.7	7.8	9.0	10.1	11.3	12.4	13.6	14.7	15.8	16.9	17.9
157.5°	6.2	7.3	8.3	9.4	10.4	11.4	12.5	13.5	14.5	15.5	16.5
160°	5.7	6.6	7.6	8.6	9.5	10.4	11.4	12.3	13.2	14.1	15.0
162.5°	5.2	6.0	6.9	7.7	8.6	9.4	10.2	11.1	11.9	12.7	13.4
165°	4.6	5.4	6.1	6.9	7.6	8.3	9.1	9.8	10.5	11.2	11.8
167.5°	4.1	4.7	5.3	6.0	6.6	7.2	7.8	8.4	9.0	9.6	10.2
170°	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.4
172.5°	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	5.9	6.3	6.6
175°	2.2	2.5	2.7	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.8
177.5°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7	2.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9
5°	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.5	6.7	6.9
7.5°	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.0	9.3	9.5	9.7
10°	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.6	12.0	12.3	12.6
12.5°	10.7	11.3	11.8	12.3	12.8	13.3	13.7	14.2	14.6	15.0	15.4
15°	12.5	13.1	13.8	14.4	15.0	15.6	16.1	16.6	17.1	17.6	18.1
17.5°	14.2	15.0	15.7	16.4	17.1	17.8	18.4	19.1	19.7	20.2	20.8
20°	15.9	16.7	17.6	18.4	19.2	20.0	20.7	21.4	22.1	22.8	23.4
22.5°	17.5	18.4	19.4	20.3	21.2	22.1	22.9	23.7	24.5	25.3	26.0
25°	19.0	20.1	21.1	22.1	23.1	24.1	25.1	26.0	26.9	27.8	29.7
27.5°	20.5	21.7	22.8	23.9	25.0	26.1	28.2	30.4	32.8	35.3	37.8
30°	22.1	23.3	24.5	26.3	28.5	30.9	33.4	36.1	38.9	41.9	45.1
32.5°	23.5	25.4	27.7	30.0	32.4	35.1	37.9	40.9	44.2	47.8	51.6
35°	26.2	28.1	30.5	33.1	35.8	38.7	41.8	45.1	48.9	52.9	57.3
37.5°	28.7	30.8	33.0	35.6	38.6	41.8	45.2	48.9	52.9	57.5	62.4
40°	30.4	32.9	35.5	38.0	41.0	44.5	48.2	52.2	56.6	61.4	67.0
42.5°	31.9	34.4	37.3	40.2	43.2	46.7	50.8	55.2	59.9	65.2	71.2
45°	33.1	35.8	38.7	42.0	45.3	48.8	53.0	57.8	63.0	68.7	74.8
47.5°	33.6	36.7	39.9	43.3	47.1	50.9	55.0	60.1	65.7	71.8	78.6
50°	33.9	37.0	40.6	44.4	48.5	52.7	57.1	62.4	69.3	76.0	82.5
52.5°	34.0	37.2	41.0	45.2	49.6	55.7	62.0	68.5	75.3	81.6	87.4
55°	33.8	37.4	41.5	47.7	54.4	61.1	67.9	74.8	81.6	88.0	93.2
57.5°	33.7	39.3	45.3	51.6	58.9	66.2	73.6	80.9	88.3	94.8	99.5
60°	36.6	42.2	48.7	55.4	62.9	71.1	79.1	87.0	94.9	101.7	106.5
62.5°	39.1	45.0	51.7	59.0	66.7	75.8	84.5	92.9	101.4	109.0	114.1
65°	41.1	47.7	54.6	62.4	70.5	80.0	89.7	98.8	107.9	116.5	122.1
67.5°	43.1	50.0	57.5	65.7	74.4	84.0	94.8	104.7	114.3	123.9	129.7
70°	45.3	52.3	60.2	68.8	78.2	87.9	99.8	110.5	120.7	130.4	135.5
72.5°	47.3	54.6	62.9	72.0	81.9	91.4	102.7	113.2	122.3	130.3	135.0
75°	49.4	56.6	64.4	73.1	82.6	92.8	104.0	114.8	123.8	130.8	135.0
77.5°	50.0	57.2	65.1	73.8	83.6	94.2	105.7	116.8	125.7	131.9	135.2
80°	50.8	58.1	66.1	74.9	84.8	95.8	107.8	119.1	128.0	133.5	135.7
82.5°	51.9	59.3	67.4	76.1	86.4	97.5	110.2	121.8	130.7	135.5	136.3
85°	53.3	60.8	69.1	77.7	88.2	99.6	113.0	124.7	133.6	137.7	137.0
87.5°	55.0	62.7	71.1	79.7	90.5	102.0	116.2	127.9	136.7	140.0	137.8
90°	57.1	64.9	73.5	82.1	93.1	104.8	119.7	131.4	140.0	142.4	138.5
92.5°	55.0	62.7	71.1	79.7	90.5	102.0	116.2	127.9	136.7	140.0	137.8
95°	53.3	60.8	69.1	77.7	88.2	99.6	113.0	124.7	133.6	137.7	137.0
97.5°	51.9	59.3	67.4	76.1	86.4	97.5	110.2	121.8	130.7	135.5	136.3
100°	50.8	58.1	66.1	74.9	84.8	95.8	107.8	119.1	128.0	133.5	135.7
102.5°	50.0	57.2	65.1	73.8	83.6	94.2	105.7	116.8	125.7	131.9	135.2
105°	49.4	56.6	64.4	73.1	82.6	92.8	104.0	114.8	123.8	130.8	135.0
107.5°	47.3	54.6	62.9	72.0	81.9	91.4	102.7	113.2	122.3	130.3	135.0
110°	45.3	52.3	60.2	68.8	78.2	87.9	99.8	110.5	120.7	130.4	135.5



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	43.1	50.0	57.5	65.7	74.4	84.0	94.8	104.7	114.3	123.9	129.7
115°	41.1	47.7	54.6	62.4	70.5	80.0	89.7	98.8	107.9	116.5	122.1
117.5°	39.1	45.0	51.7	59.0	66.7	75.8	84.5	92.9	101.4	109.0	114.1
120°	36.6	42.2	48.7	55.4	62.9	71.1	79.1	87.0	94.9	101.7	106.5
122.5°	33.7	39.3	45.3	51.6	58.9	66.2	73.6	80.9	88.3	94.8	99.5
125°	33.8	37.4	41.5	47.7	54.4	61.1	67.9	74.8	81.6	88.0	93.2
127.5°	34.0	37.2	41.0	45.2	49.6	55.7	62.0	68.5	75.3	81.6	87.4
130°	33.9	37.0	40.6	44.4	48.5	52.7	57.1	62.4	69.3	76.0	82.5
132.5°	33.6	36.7	39.9	43.3	47.1	50.9	55.0	60.1	65.7	71.8	78.6
135°	33.1	35.8	38.7	42.0	45.3	48.8	53.0	57.8	63.0	68.7	74.8
137.5°	31.9	34.4	37.3	40.2	43.2	46.7	50.8	55.2	59.9	65.2	71.2
140°	30.4	32.9	35.5	38.0	41.0	44.5	48.2	52.2	56.6	61.4	67.0
142.5°	28.7	30.8	33.0	35.6	38.6	41.8	45.2	48.9	52.9	57.5	62.4
145°	26.2	28.1	30.5	33.1	35.8	38.7	41.8	45.1	48.9	52.9	57.3
147.5°	23.5	25.4	27.7	30.0	32.4	35.1	37.9	40.9	44.2	47.8	51.6
150°	22.1	23.3	24.5	26.3	28.5	30.9	33.4	36.1	38.9	41.9	45.1
152.5°	20.5	21.7	22.8	23.9	25.0	26.1	28.2	30.4	32.8	35.3	37.8
155°	19.0	20.1	21.1	22.1	23.1	24.1	25.1	26.0	26.9	27.8	29.7
157.5°	17.5	18.4	19.4	20.3	21.2	22.1	22.9	23.7	24.5	25.3	26.0
160°	15.9	16.7	17.6	18.4	19.2	20.0	20.7	21.4	22.1	22.8	23.4
162.5°	14.2	15.0	15.7	16.4	17.1	17.8	18.4	19.1	19.7	20.2	20.8
165°	12.5	13.1	13.8	14.4	15.0	15.6	16.1	16.6	17.1	17.6	18.1
167.5°	10.7	11.3	11.8	12.3	12.8	13.3	13.7	14.2	14.6	15.0	15.4
170°	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.6	12.0	12.3	12.6
172.5°	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.0	9.3	9.5	9.7
175°	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.5	6.7	6.9
177.5°	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9
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: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.9
5°	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.9	9.0
7.5°	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.4	11.5	13.1
10°	12.8	13.1	13.3	13.6	13.8	14.1	14.4	14.6	14.9	15.1	17.1
12.5°	15.7	16.0	16.3	16.6	16.9	17.2	17.6	18.0	18.3	18.6	21.1
15°	18.5	19.0	19.3	19.7	20.0	20.3	20.8	21.3	21.8	22.2	25.1
17.5°	21.3	21.8	22.3	22.7	23.1	23.4	23.9	24.6	25.2	25.8	29.1
20°	24.0	24.6	25.1	25.7	26.1	26.6	27.0	27.8	28.6	29.3	33.1
22.5°	26.7	27.4	28.0	28.6	29.2	29.7	30.2	31.0	32.0	32.9	37.0
25°	31.6	33.5	35.4	37.0	38.5	39.6	40.4	41.3	42.4	43.3	47.5
27.5°	40.4	42.9	45.3	47.4	49.2	50.6	51.3	52.0	53.0	53.7	57.9
30°	48.4	51.7	54.7	57.6	59.7	61.7	62.3	62.7	63.5	64.2	68.2
32.5°	55.6	59.7	63.6	67.3	70.2	72.5	73.4	73.6	74.1	74.6	78.5
35°	62.1	67.0	72.1	76.5	80.5	83.1	84.5	84.5	84.8	85.0	88.7
37.5°	67.9	73.7	79.8	85.4	90.8	93.7	95.7	95.5	95.5	95.4	98.8
40°	73.2	79.9	86.9	93.8	100.0	104.2	107.0	106.6	106.2	105.9	108.9
42.5°	77.9	85.6	93.6	102.2	109.0	114.6	118.4	117.7	116.9	116.3	118.9
45°	82.4	90.8	99.8	109.3	117.9	124.9	129.0	128.8	127.7	126.7	128.9
47.5°	86.3	94.4	103.1	112.1	120.5	127.8	132.2	133.7	134.5	135.7	141.0
50°	89.0	96.0	103.9	112.3	120.8	128.7	134.4	138.1	141.0	144.8	153.4
52.5°	92.6	98.6	105.3	112.8	121.2	129.4	136.4	142.1	147.4	153.8	165.9
55°	97.5	102.0	107.3	113.7	121.8	130.2	138.3	145.8	153.6	162.9	178.7
57.5°	103.1	106.2	109.8	115.1	122.6	131.1	140.0	149.3	159.6	171.9	191.7
60°	109.4	111.0	113.1	117.2	123.7	132.0	141.6	152.6	165.6	181.0	204.8
62.5°	116.3	116.6	117.1	119.7	125.1	132.9	143.1	155.7	171.4	190.0	218.1
65°	123.5	122.7	121.7	122.6	126.6	134.0	144.5	158.6	177.1	199.1	231.4
67.5°	131.0	129.3	126.7	125.8	128.4	135.1	145.8	161.4	182.7	208.1	244.9
70°	135.7	132.4	128.4	126.3	128.1	134.4	144.9	160.1	181.4	207.1	244.5
72.5°	135.2	131.9	127.8	125.7	127.4	133.5	143.8	158.9	180.1	206.2	243.9
75°	134.8	131.3	127.1	125.0	126.7	132.6	142.9	157.7	178.8	205.2	244.6
77.5°	134.5	130.6	126.3	124.3	126.0	131.8	142.1	156.6	177.5	204.3	243.5
80°	134.2	129.8	125.4	123.5	125.4	131.1	141.3	155.6	176.3	203.3	242.3
82.5°	134.0	129.0	124.5	122.7	124.9	130.5	140.7	154.8	175.2	202.4	241.2
85°	133.7	128.1	123.4	122.0	124.4	130.0	140.2	154.0	174.1	201.4	240.1
87.5°	133.4	127.1	122.4	121.2	124.0	129.5	139.7	153.2	173.1	200.5	238.9
90°	133.0	126.0	121.3	120.5	123.6	129.1	139.3	152.6	172.1	199.5	237.8
92.5°	133.4	127.1	122.4	121.2	124.0	129.5	139.7	153.2	173.1	200.5	238.9
95°	133.7	128.1	123.4	122.0	124.4	130.0	140.2	154.0	174.1	201.4	240.1
97.5°	134.0	129.0	124.5	122.7	124.9	130.5	140.7	154.8	175.2	202.4	241.2
100°	134.2	129.8	125.4	123.5	125.4	131.1	141.3	155.6	176.3	203.3	242.3
102.5°	134.5	130.6	126.3	124.3	126.0	131.8	142.1	156.6	177.5	204.3	243.5
105°	134.8	131.3	127.1	125.0	126.7	132.6	142.9	157.7	178.8	205.2	244.6
107.5°	135.2	131.9	127.8	125.7	127.4	133.5	143.8	158.9	180.1	206.2	243.9
110°	135.7	132.4	128.4	126.3	128.1	134.4	144.9	160.1	181.4	207.1	244.5



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	131.0	129.3	126.7	125.8	128.4	135.1	145.8	161.4	182.7	208.1	244.9
115°	123.5	122.7	121.7	122.6	126.6	134.0	144.5	158.6	177.1	199.1	231.4
117.5°	116.3	116.6	117.1	119.7	125.1	132.9	143.1	155.7	171.4	190.0	218.1
120°	109.4	111.0	113.1	117.2	123.7	132.0	141.6	152.6	165.6	181.0	204.8
122.5°	103.1	106.2	109.8	115.1	122.6	131.1	140.0	149.3	159.6	171.9	191.7
125°	97.5	102.0	107.3	113.7	121.8	130.2	138.3	145.8	153.6	162.9	178.7
127.5°	92.6	98.6	105.3	112.8	121.2	129.4	136.4	142.1	147.4	153.8	165.9
130°	89.0	96.0	103.9	112.3	120.8	128.7	134.4	138.1	141.0	144.8	153.4
132.5°	86.3	94.4	103.1	112.1	120.5	127.8	132.2	133.7	134.5	135.7	141.0
135°	82.4	90.8	99.8	109.3	117.9	124.9	129.0	128.8	127.7	126.7	128.9
137.5°	77.9	85.6	93.6	102.2	109.0	114.6	118.4	117.7	116.9	116.3	118.9
140°	73.2	79.9	86.9	93.8	100.0	104.2	107.0	106.6	106.2	105.9	108.9
142.5°	67.9	73.7	79.8	85.4	90.8	93.7	95.7	95.5	95.5	95.4	98.8
145°	62.1	67.0	72.1	76.5	80.5	83.1	84.5	84.5	84.8	85.0	88.7
147.5°	55.6	59.7	63.6	67.3	70.2	72.5	73.4	73.6	74.1	74.6	78.5
150°	48.4	51.7	54.7	57.6	59.7	61.7	62.3	62.7	63.5	64.2	68.2
152.5°	40.4	42.9	45.3	47.4	49.2	50.6	51.3	52.0	53.0	53.7	57.9
155°	31.6	33.5	35.4	37.0	38.5	39.6	40.4	41.3	42.4	43.3	47.5
157.5°	26.7	27.4	28.0	28.6	29.2	29.7	30.2	31.0	32.0	32.9	37.0
160°	24.0	24.6	25.1	25.7	26.1	26.6	27.0	27.8	28.6	29.3	33.1
162.5°	21.3	21.8	22.3	22.7	23.1	23.4	23.9	24.6	25.2	25.8	29.1
165°	18.5	19.0	19.3	19.7	20.0	20.3	20.8	21.3	21.8	22.2	25.1
167.5°	15.7	16.0	16.3	16.6	16.9	17.2	17.6	18.0	18.3	18.6	21.1
170°	12.8	13.1	13.3	13.6	13.8	14.1	14.4	14.6	14.9	15.1	17.1
172.5°	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.4	11.5	13.1
175°	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.9	9.0
177.5°	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.9
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: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	5.4	5.9	6.5	6.9	7.4	7.9	8.4	8.8	9.2	9.7	10.1
5°	10.0	11.0	12.0	13.0	14.0	14.9	15.8	16.7	17.6	18.4	19.2
7.5°	14.6	16.1	17.6	19.0	20.4	21.8	23.2	24.9	26.5	28.0	29.5
10°	19.1	21.1	23.0	24.9	26.8	29.1	31.4	33.5	35.6	37.7	39.8
12.5°	23.6	26.0	28.4	30.9	33.8	36.6	39.3	42.0	44.5	47.0	49.4
15°	28.0	30.9	33.8	37.2	40.5	43.8	47.1	50.3	53.4	56.4	59.7
17.5°	32.4	35.7	39.4	43.3	47.2	51.0	55.0	58.8	62.5	66.0	69.3
20°	36.8	40.5	44.9	49.3	53.7	58.4	63.0	67.5	71.7	75.8	79.7
22.5°	41.1	45.5	50.4	55.2	60.5	65.9	71.2	76.3	81.2	85.9	90.4
25°	51.5	56.0	60.9	65.8	71.2	76.6	81.7	86.7	91.6	96.6	101.9
27.5°	61.9	66.9	71.9	77.5	83.2	88.9	94.5	99.9	105.2	110.4	114.7
30°	72.1	77.5	82.9	88.9	95.2	101.0	107.0	112.7	118.3	123.1	127.4
32.5°	82.5	88.1	93.7	100.0	106.4	113.0	119.2	125.1	130.4	135.1	138.1
35°	92.8	98.5	104.5	110.9	117.8	125.1	130.9	136.8	141.8	145.7	146.9
37.5°	103.0	108.7	115.0	121.5	129.0	135.9	142.1	147.6	153.2	154.2	155.2
40°	113.1	118.8	125.3	132.2	140.0	146.7	152.8	158.1	161.3	162.4	162.7
42.5°	123.1	128.8	135.4	142.8	150.8	157.1	162.9	168.3	169.3	169.9	169.9
45°	133.0	138.8	145.3	153.3	160.9	167.1	172.6	176.2	177.1	177.0	177.3
47.5°	148.5	157.4	166.3	175.0	180.7	184.1	186.6	185.3	184.2	183.9	184.5
50°	164.8	177.6	190.6	201.6	206.7	209.5	211.0	207.9	203.9	199.8	196.2
52.5°	181.4	198.7	215.4	228.7	232.4	234.4	233.9	230.0	224.9	220.4	217.2
55°	198.5	220.4	240.7	255.1	257.7	259.0	256.4	251.4	245.6	240.5	237.6
57.5°	216.0	242.7	266.3	280.8	282.8	283.1	278.6	272.4	266.0	260.5	257.3
60°	233.8	265.6	292.2	306.1	307.3	306.7	300.4	293.1	285.9	280.5	278.2
62.5°	251.8	288.9	318.4	331.3	331.6	329.2	321.8	313.5	305.5	299.9	298.7
65°	270.1	312.6	344.8	356.3	355.6	351.4	342.9	333.7	324.7	318.9	318.8
67.5°	288.6	336.6	371.3	381.1	379.5	373.5	363.9	353.7	344.3	338.4	338.5
70°	289.4	339.1	376.0	389.2	391.5	386.7	378.5	369.9	361.9	357.8	359.7
72.5°	289.5	339.6	377.4	394.1	399.5	394.6	387.6	380.4	373.9	371.0	374.8
75°	289.3	339.7	378.8	399.7	407.9	402.6	397.2	391.4	386.2	384.1	388.7
77.5°	289.1	339.6	380.0	405.8	416.6	410.7	407.2	402.9	398.7	396.9	402.1
80°	290.0	339.1	381.1	412.2	425.6	418.9	417.6	414.7	411.5	409.7	415.0
82.5°	288.7	339.6	383.4	418.9	434.6	427.3	428.2	426.8	424.4	422.3	427.6
85°	287.4	337.8	383.1	426.4	444.1	435.5	439.2	439.1	437.5	434.8	439.9
87.5°	286.1	335.9	382.9	432.2	452.9	444.3	450.0	451.5	450.7	447.4	452.1
90°	284.8	334.1	382.6	438.1	461.6	453.0	460.8	463.9	463.9	460.0	463.9
92.5°	286.1	335.9	382.9	432.2	452.9	444.3	450.0	451.5	450.7	447.4	452.1
95°	287.4	337.8	383.1	426.4	444.1	435.5	439.2	439.1	437.5	434.8	439.9
97.5°	288.7	339.6	383.4	418.9	434.6	427.3	428.2	426.8	424.4	422.3	427.6
100°	290.0	339.1	381.1	412.2	425.6	418.9	417.6	414.7	411.5	409.7	415.0
102.5°	289.1	339.6	380.0	405.8	416.6	410.7	407.2	402.9	398.7	396.9	402.1
105°	289.3	339.7	378.8	399.7	407.9	402.6	397.2	391.4	386.2	384.1	388.7
107.5°	289.5	339.6	377.4	394.1	399.5	394.6	387.6	380.4	373.9	371.0	374.8
110°	289.4	339.1	376.0	389.2	391.5	386.7	378.5	369.9	361.9	357.8	359.7



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	288.6	336.6	371.3	381.1	379.5	373.5	363.9	353.7	344.3	338.4	338.5
115°	270.1	312.6	344.8	356.3	355.6	351.4	342.9	333.7	324.7	318.9	318.8
117.5°	251.8	288.9	318.4	331.3	331.6	329.2	321.8	313.5	305.5	299.9	298.7
120°	233.8	265.6	292.2	306.1	307.3	306.7	300.4	293.1	285.9	280.5	278.2
122.5°	216.0	242.7	266.3	280.8	282.8	283.1	278.6	272.4	266.0	260.5	257.3
125°	198.5	220.4	240.7	255.1	257.7	259.0	256.4	251.4	245.6	240.5	237.6
127.5°	181.4	198.7	215.4	228.7	232.4	234.4	233.9	230.0	224.9	220.4	217.2
130°	164.8	177.6	190.6	201.6	206.7	209.5	211.0	207.9	203.9	199.8	196.2
132.5°	148.5	157.4	166.3	175.0	180.7	184.1	186.6	185.3	184.2	183.9	184.5
135°	133.0	138.8	145.3	153.3	160.9	167.1	172.6	176.2	177.1	177.0	177.3
137.5°	123.1	128.8	135.4	142.8	150.8	157.1	162.9	168.3	169.3	169.9	169.9
140°	113.1	118.8	125.3	132.2	140.0	146.7	152.8	158.1	161.3	162.4	162.7
142.5°	103.0	108.7	115.0	121.5	129.0	135.9	142.1	147.6	153.2	154.2	155.2
145°	92.8	98.5	104.5	110.9	117.8	125.1	130.9	136.8	141.8	145.7	146.9
147.5°	82.5	88.1	93.7	100.0	106.4	113.0	119.2	125.1	130.4	135.1	138.1
150°	72.1	77.5	82.9	88.9	95.2	101.0	107.0	112.7	118.3	123.1	127.4
152.5°	61.9	66.9	71.9	77.5	83.2	88.9	94.5	99.9	105.2	110.4	114.7
155°	51.5	56.0	60.9	65.8	71.2	76.6	81.7	86.7	91.6	96.6	101.9
157.5°	41.1	45.5	50.4	55.2	60.5	65.9	71.2	76.3	81.2	85.9	90.4
160°	36.8	40.5	44.9	49.3	53.7	58.4	63.0	67.5	71.7	75.8	79.7
162.5°	32.4	35.7	39.4	43.3	47.2	51.0	55.0	58.8	62.5	66.0	69.3
165°	28.0	30.9	33.8	37.2	40.5	43.8	47.1	50.3	53.4	56.4	59.7
167.5°	23.6	26.0	28.4	30.9	33.8	36.6	39.3	42.0	44.5	47.0	49.4
170°	19.1	21.1	23.0	24.9	26.8	29.1	31.4	33.5	35.6	37.7	39.8
172.5°	14.6	16.1	17.6	19.0	20.4	21.8	23.2	24.9	26.5	28.0	29.5
175°	10.0	11.0	12.0	13.0	14.0	14.9	15.8	16.7	17.6	18.4	19.2
177.5°	5.4	5.9	6.5	6.9	7.4	7.9	8.4	8.8	9.2	9.7	10.1
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: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	10.4	10.8	11.2	11.5	11.8	12.1	12.3	12.6	12.8	13.0	13.2
5°	20.1	21.1	22.0	22.8	23.6	24.4	25.1	25.8	26.4	27.0	27.5
7.5°	31.0	32.4	33.7	35.0	36.2	37.1	38.0	38.9	39.6	40.3	40.9
10°	41.4	43.1	44.7	46.2	47.6	49.0	50.2	51.2	52.2	53.0	53.7
12.5°	51.6	53.8	55.8	57.6	59.2	60.8	62.2	63.5	64.6	65.5	66.1
15°	62.0	64.5	66.8	69.0	71.0	72.7	74.1	75.4	76.4	77.3	78.0
17.5°	72.5	75.9	78.1	80.5	82.7	84.7	86.4	88.1	89.5	90.7	91.7
20°	83.3	86.7	89.8	92.7	95.2	97.5	99.6	101.3	102.5	103.7	104.9
22.5°	94.7	98.6	101.9	105.0	108.0	109.4	110.9	112.5	113.9	115.4	117.0
25°	106.3	110.3	114.5	115.8	117.4	119.1	120.6	122.1	123.8	125.8	127.9
27.5°	118.7	121.6	122.6	124.1	125.4	126.7	128.6	130.5	132.8	135.3	138.6
30°	130.0	131.1	131.9	132.1	132.2	133.2	135.4	137.9	142.1	146.4	151.0
32.5°	139.2	140.0	140.2	140.5	141.3	142.0	144.4	147.5	152.7	159.3	165.9
35°	147.7	148.0	148.4	149.3	150.7	153.7	156.7	161.9	166.9	174.8	185.1
37.5°	155.4	155.8	156.8	158.7	161.8	166.1	171.8	178.4	187.7	197.4	209.1
40°	162.9	163.9	165.7	169.0	173.9	180.0	188.9	199.1	211.9	226.4	241.8
42.5°	170.7	172.0	175.3	180.2	186.6	196.8	207.9	224.0	241.4	260.8	281.3
45°	178.1	181.0	185.3	191.9	202.3	214.3	232.4	251.4	274.5	298.2	323.3
47.5°	186.3	189.3	196.0	205.7	218.3	237.3	258.2	283.0	309.7	337.4	368.1
50°	194.9	199.3	207.1	220.3	238.8	260.3	286.7	315.5	347.0	380.5	415.8
52.5°	215.9	218.0	225.2	237.1	259.9	285.9	315.7	349.3	385.7	425.2	467.9
55°	237.7	241.6	251.2	266.8	287.2	311.8	344.6	384.0	426.2	472.1	516.8
57.5°	258.9	265.9	278.3	295.7	317.5	346.2	380.4	419.8	467.9	514.6	562.1
60°	280.4	289.5	304.8	323.5	347.7	378.6	416.7	461.5	507.0	552.5	605.9
62.5°	303.3	314.0	329.7	348.2	376.2	410.9	452.0	498.0	543.1	593.2	645.8
65°	325.5	337.8	353.1	373.2	402.7	439.4	483.8	529.0	576.7	628.3	682.5
67.5°	347.0	360.3	374.1	396.9	428.4	466.8	511.0	556.1	605.2	658.2	721.0
70°	368.5	381.3	392.6	418.4	450.9	490.7	534.2	579.8	629.1	684.9	756.9
72.5°	385.5	398.5	412.2	438.3	470.6	512.6	553.8	598.4	648.4	711.3	787.0
75°	400.3	413.5	429.5	454.1	486.3	525.9	568.6	612.7	662.8	731.8	811.4
77.5°	414.8	428.4	444.5	467.1	498.2	535.9	576.6	621.7	678.2	750.2	831.3
80°	428.9	443.1	457.7	477.6	507.3	542.8	581.6	627.5	690.0	767.8	857.6
82.5°	442.6	457.5	469.3	486.1	514.0	546.8	583.8	630.3	698.1	782.1	876.8
85°	455.9	471.5	479.7	493.0	518.6	548.4	583.5	630.2	702.4	792.2	888.8
87.5°	469.0	485.5	489.3	498.9	522.1	548.5	581.7	628.6	704.8	800.4	897.1
90°	481.2	498.4	498.4	503.8	523.4	546.1	576.6	622.0	698.7	797.2	891.9
92.5°	469.0	485.5	489.3	498.9	522.1	548.5	581.7	628.6	704.8	800.4	897.1
95°	455.9	471.5	479.7	493.0	518.6	548.4	583.5	630.2	702.4	792.2	888.8
97.5°	442.6	457.5	469.3	486.1	514.0	546.8	583.8	630.3	698.1	782.1	876.8
100°	428.9	443.1	457.7	477.6	507.3	542.8	581.6	627.5	690.0	767.8	857.6
102.5°	414.8	428.4	444.5	467.1	498.2	535.9	576.6	621.7	678.2	750.2	831.3
105°	400.3	413.5	429.5	454.1	486.3	525.9	568.6	612.7	662.8	731.8	811.4
107.5°	385.5	398.5	412.2	438.3	470.6	512.6	553.8	598.4	648.4	711.3	787.0
110°	368.5	381.3	392.6	418.4	450.9	490.7	534.2	579.8	629.1	684.9	756.9



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	347.0	360.3	374.1	396.9	428.4	466.8	511.0	556.1	605.2	658.2	721.0
115°	325.5	337.8	353.1	373.2	402.7	439.4	483.8	529.0	576.7	628.3	682.5
117.5°	303.3	314.0	329.7	348.2	376.2	410.9	452.0	498.0	543.1	593.2	645.8
120°	280.4	289.5	304.8	323.5	347.7	378.6	416.7	461.5	507.0	552.5	605.9
122.5°	258.9	265.9	278.3	295.7	317.5	346.2	380.4	419.8	467.9	514.6	562.1
125°	237.7	241.6	251.2	266.8	287.2	311.8	344.6	384.0	426.2	472.1	516.8
127.5°	215.9	218.0	225.2	237.1	259.9	285.9	315.7	349.3	385.7	425.2	467.9
130°	194.9	199.3	207.1	220.3	238.8	260.3	286.7	315.5	347.0	380.5	415.8
132.5°	186.3	189.3	196.0	205.7	218.3	237.3	258.2	283.0	309.7	337.4	368.1
135°	178.1	181.0	185.3	191.9	202.3	214.3	232.4	251.4	274.5	298.2	323.3
137.5°	170.7	172.0	175.3	180.2	186.6	196.8	207.9	224.0	241.4	260.8	281.3
140°	162.9	163.9	165.7	169.0	173.9	180.0	188.9	199.1	211.9	226.4	241.8
142.5°	155.4	155.8	156.8	158.7	161.8	166.1	171.8	178.4	187.7	197.4	209.1
145°	147.7	148.0	148.4	149.3	150.7	153.7	156.7	161.9	166.9	174.8	185.1
147.5°	139.2	140.0	140.2	140.5	141.3	142.0	144.4	147.5	152.7	159.3	165.9
150°	130.0	131.1	131.9	132.1	132.2	133.2	135.4	137.9	142.1	146.4	151.0
152.5°	118.7	121.6	122.6	124.1	125.4	126.7	128.6	130.5	132.8	135.3	138.6
155°	106.3	110.3	114.5	115.8	117.4	119.1	120.6	122.1	123.8	125.8	127.9
157.5°	94.7	98.6	101.9	105.0	108.0	109.4	110.9	112.5	113.9	115.4	117.0
160°	83.3	86.7	89.8	92.7	95.2	97.5	99.6	101.3	102.5	103.7	104.9
162.5°	72.5	75.9	78.1	80.5	82.7	84.7	86.4	88.1	89.5	90.7	91.7
165°	62.0	64.5	66.8	69.0	71.0	72.7	74.1	75.4	76.4	77.3	78.0
167.5°	51.6	53.8	55.8	57.6	59.2	60.8	62.2	63.5	64.6	65.5	66.1
170°	41.4	43.1	44.7	46.2	47.6	49.0	50.2	51.2	52.2	53.0	53.7
172.5°	31.0	32.4	33.7	35.0	36.2	37.1	38.0	38.9	39.6	40.3	40.9
175°	20.1	21.1	22.0	22.8	23.6	24.4	25.1	25.8	26.4	27.0	27.5
177.5°	10.4	10.8	11.2	11.5	11.8	12.1	12.3	12.6	12.8	13.0	13.2
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: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-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°	13.3	13.5	13.6	13.7	13.7	13.7	14.2	14.0	13.9	13.7	13.6
5°	27.9	28.3	28.7	29.0	29.2	29.4	29.5	29.5	30.0	29.7	29.4
7.5°	41.4	41.9	42.2	42.5	42.7	42.9	42.9	42.9	42.7	42.9	42.4
10°	54.3	54.8	55.2	55.4	55.6	55.7	55.6	55.5	55.2	55.3	54.6
12.5°	66.6	66.9	67.1	67.1	67.0	66.8	66.4	65.9	65.3	64.6	63.9
15°	78.7	79.3	79.7	79.9	79.9	79.8	79.5	79.0	78.4	77.6	77.0
17.5°	92.6	93.3	93.8	94.3	94.7	94.9	94.9	94.8	94.6	94.1	93.9
20°	106.0	107.0	108.1	109.0	109.9	110.7	111.4	111.9	112.2	112.3	112.7
22.5°	118.5	120.1	121.7	123.3	124.9	126.3	127.6	128.7	129.6	130.3	131.4
25°	130.2	132.4	134.7	137.4	140.0	142.4	144.5	146.4	148.0	149.3	150.2
27.5°	142.3	145.9	149.3	153.2	157.3	161.0	164.5	167.5	170.2	172.4	174.1
30°	156.3	161.8	167.1	172.3	178.9	184.9	190.5	195.4	199.7	203.3	206.2
32.5°	173.1	181.9	190.3	198.3	207.5	217.0	225.8	233.7	240.7	246.6	251.4
35°	195.2	207.7	220.6	233.0	245.2	258.0	269.6	279.8	288.6	296.0	301.9
37.5°	224.3	240.0	257.9	274.5	290.0	305.4	319.5	332.0	342.8	351.8	359.0
40°	259.9	279.9	300.9	321.1	339.8	357.8	374.4	388.7	400.8	410.6	418.1
42.5°	303.0	324.4	347.8	372.5	394.9	415.4	436.0	453.5	468.1	479.7	488.4
45°	348.5	375.9	401.6	431.3	459.2	486.9	507.8	528.6	545.9	559.8	570.0
47.5°	399.0	432.4	465.7	498.3	530.8	560.1	588.0	614.5	638.0	658.0	674.1
50°	454.7	492.7	531.1	568.6	606.6	642.0	676.7	710.9	741.0	766.3	786.6
52.5°	510.0	552.0	595.8	639.1	685.4	731.8	774.3	819.2	858.1	890.5	916.0
55°	562.1	610.5	660.1	713.5	770.3	834.2	890.9	938.7	978.3	1009.8	1033.2
57.5°	613.5	667.4	724.1	792.2	866.9	936.1	1005.1	1050.7	1083.5	1107.7	1123.7
60°	661.2	720.5	792.5	870.0	951.0	1027.1	1096.2	1144.2	1165.6	1182.4	1194.4
62.5°	703.0	774.6	856.4	943.0	1026.2	1102.3	1159.9	1207.2	1223.6	1235.8	1243.7
65°	748.5	824.7	915.1	1007.0	1090.9	1161.4	1211.8	1248.2	1268.9	1281.8	1291.6
67.5°	794.5	878.6	970.6	1066.7	1152.3	1216.2	1260.5	1289.8	1308.7	1320.7	1329.8
70°	837.4	930.3	1028.7	1127.5	1211.3	1266.0	1303.5	1322.6	1339.4	1352.3	1362.0
72.5°	875.1	974.8	1080.8	1177.0	1256.1	1306.3	1328.8	1347.9	1366.2	1381.3	1389.7
75°	907.6	1014.6	1120.0	1217.1	1295.0	1328.6	1348.8	1369.5	1390.0	1405.3	1414.1
77.5°	932.8	1046.0	1151.1	1256.2	1318.6	1350.5	1370.1	1389.3	1404.9	1419.5	1429.9
80°	960.6	1069.1	1179.3	1288.1	1344.8	1371.7	1388.4	1402.3	1413.9	1428.4	1441.8
82.5°	983.1	1091.6	1209.1	1306.5	1359.5	1384.3	1399.9	1413.8	1426.2	1436.2	1450.3
85°	996.4	1105.6	1226.9	1321.0	1366.4	1389.1	1406.8	1422.6	1435.1	1445.7	1453.2
87.5°	1004.9	1110.5	1232.4	1330.7	1369.7	1390.9	1409.2	1424.4	1437.5	1451.5	1459.3
90°	996.7	1106.3	1226.0	1332.4	1369.1	1390.3	1409.0	1423.1	1434.1	1449.7	1456.0
92.5°	1004.9	1110.5	1232.4	1330.7	1369.7	1390.9	1409.2	1424.4	1437.5	1451.5	1459.3
95°	996.4	1105.6	1226.9	1321.0	1366.4	1389.1	1406.8	1422.6	1435.1	1445.7	1453.2
97.5°	983.1	1091.6	1209.1	1306.5	1359.5	1384.3	1399.9	1413.8	1426.2	1436.2	1450.3
100°	960.6	1069.1	1179.3	1288.1	1344.8	1371.7	1388.4	1402.3	1413.9	1428.4	1441.8
102.5°	932.8	1046.0	1151.1	1256.2	1318.6	1350.5	1370.1	1389.3	1404.9	1419.5	1429.9
105°	907.6	1014.6	1120.0	1217.1	1295.0	1328.6	1348.8	1369.5	1390.0	1405.3	1414.1
107.5°	875.1	974.8	1080.8	1177.0	1256.1	1306.3	1328.8	1347.9	1366.2	1381.3	1389.7
110°	837.4	930.3	1028.7	1127.5	1211.3	1266.0	1303.5	1322.6	1339.4	1352.3	1362.0



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	794.5	878.6	970.6	1066.7	1152.3	1216.2	1260.5	1289.8	1308.7	1320.7	1329.8
115°	748.5	824.7	915.1	1007.0	1090.9	1161.4	1211.8	1248.2	1268.9	1281.8	1291.6
117.5°	703.0	774.6	856.4	943.0	1026.2	1102.3	1159.9	1207.2	1223.6	1235.8	1243.7
120°	661.2	720.5	792.5	870.0	951.0	1027.1	1096.2	1144.2	1165.6	1182.4	1194.4
122.5°	613.5	667.4	724.1	792.2	866.9	936.1	1005.1	1050.7	1083.5	1107.7	1123.7
125°	562.1	610.5	660.1	713.5	770.3	834.2	890.9	938.7	978.3	1009.8	1033.2
127.5°	510.0	552.0	595.8	639.1	685.4	731.8	774.3	819.2	858.1	890.5	916.0
130°	454.7	492.7	531.1	568.6	606.6	642.0	676.7	710.9	741.0	766.3	786.6
132.5°	399.0	432.4	465.7	498.3	530.8	560.1	588.0	614.5	638.0	658.0	674.1
135°	348.5	375.9	401.6	431.3	459.2	486.9	507.8	528.6	545.9	559.8	570.0
137.5°	303.0	324.4	347.8	372.5	394.9	415.4	436.0	453.5	468.1	479.7	488.4
140°	259.9	279.9	300.9	321.1	339.8	357.8	374.4	388.7	400.8	410.6	418.1
142.5°	224.3	240.0	257.9	274.5	290.0	305.4	319.5	332.0	342.8	351.8	359.0
145°	195.2	207.7	220.6	233.0	245.2	258.0	269.6	279.8	288.6	296.0	301.9
147.5°	173.1	181.9	190.3	198.3	207.5	217.0	225.8	233.7	240.7	246.6	251.4
150°	156.3	161.8	167.1	172.3	178.9	184.9	190.5	195.4	199.7	203.3	206.2
152.5°	142.3	145.9	149.3	153.2	157.3	161.0	164.5	167.5	170.2	172.4	174.1
155°	130.2	132.4	134.7	137.4	140.0	142.4	144.5	146.4	148.0	149.3	150.2
157.5°	118.5	120.1	121.7	123.3	124.9	126.3	127.6	128.7	129.6	130.3	131.4
160°	106.0	107.0	108.1	109.0	109.9	110.7	111.4	111.9	112.2	112.3	112.7
162.5°	92.6	93.3	93.8	94.3	94.7	94.9	94.9	94.8	94.6	94.1	93.9
165°	78.7	79.3	79.7	79.9	79.9	79.8	79.5	79.0	78.4	77.6	77.0
167.5°	66.6	66.9	67.1	67.1	67.0	66.8	66.4	65.9	65.3	64.6	63.9
170°	54.3	54.8	55.2	55.4	55.6	55.7	55.6	55.5	55.2	55.3	54.6
172.5°	41.4	41.9	42.2	42.5	42.7	42.9	42.9	42.9	42.7	42.9	42.4
175°	27.9	28.3	28.7	29.0	29.2	29.4	29.5	29.5	30.0	29.7	29.4
177.5°	13.3	13.5	13.6	13.7	13.7	13.7	14.2	14.0	13.9	13.7	13.6
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°	13.4	13.3
5°	29.2	28.9
7.5°	42.0	41.5
10°	53.9	53.2
12.5°	62.9	61.8
15°	75.6	74.3
17.5°	92.7	91.5
20°	111.9	111.1
22.5°	131.1	130.7
25°	151.0	151.0
27.5°	175.6	176.0
30°	208.8	209.7
32.5°	255.7	257.4
35°	307.0	309.0
37.5°	365.3	367.7
40°	424.4	426.4
42.5°	495.4	496.8
45°	578.5	579.7
47.5°	688.3	692.4
50°	804.5	810.5
52.5°	938.1	945.1
55°	1052.4	1057.0
57.5°	1135.1	1134.4
60°	1204.0	1203.3
62.5°	1247.4	1247.1
65°	1297.7	1299.5
67.5°	1335.6	1337.8
70°	1368.6	1371.5
72.5°	1392.2	1390.3
75°	1417.5	1417.6
77.5°	1438.1	1445.8
80°	1453.8	1462.2
82.5°	1462.4	1474.8
85°	1466.1	1481.0
87.5°	1461.5	1485.7
90°	1463.0	1477.9
92.5°	1461.5	1485.7
95°	1466.1	1481.0
97.5°	1462.4	1474.8
100°	1453.8	1462.2
102.5°	1438.1	1445.8
105°	1417.5	1417.6
107.5°	1392.2	1390.3
110°	1368.6	1371.5



TEST NUMBER: P231948

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1335.6	1337.8
115°	1297.7	1299.5
117.5°	1247.4	1247.1
120°	1204.0	1203.3
122.5°	1135.1	1134.4
125°	1052.4	1057.0
127.5°	938.1	945.1
130°	804.5	810.5
132.5°	688.3	692.4
135°	578.5	579.7
137.5°	495.4	496.8
140°	424.4	426.4
142.5°	365.3	367.7
145°	307.0	309.0
147.5°	255.7	257.4
150°	208.8	209.7
152.5°	175.6	176.0
155°	151.0	151.0
157.5°	131.1	130.7
160°	111.9	111.1
162.5°	92.7	91.5
165°	75.6	74.3
167.5°	62.9	61.8
170°	53.9	53.2
172.5°	42.0	41.5
175°	29.2	28.9
177.5°	13.4	13.3
180°	0.0	0.0

(END OF REPORT)