

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: P231975

Luminaire Tested: **FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231975
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-LD4-50-1STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

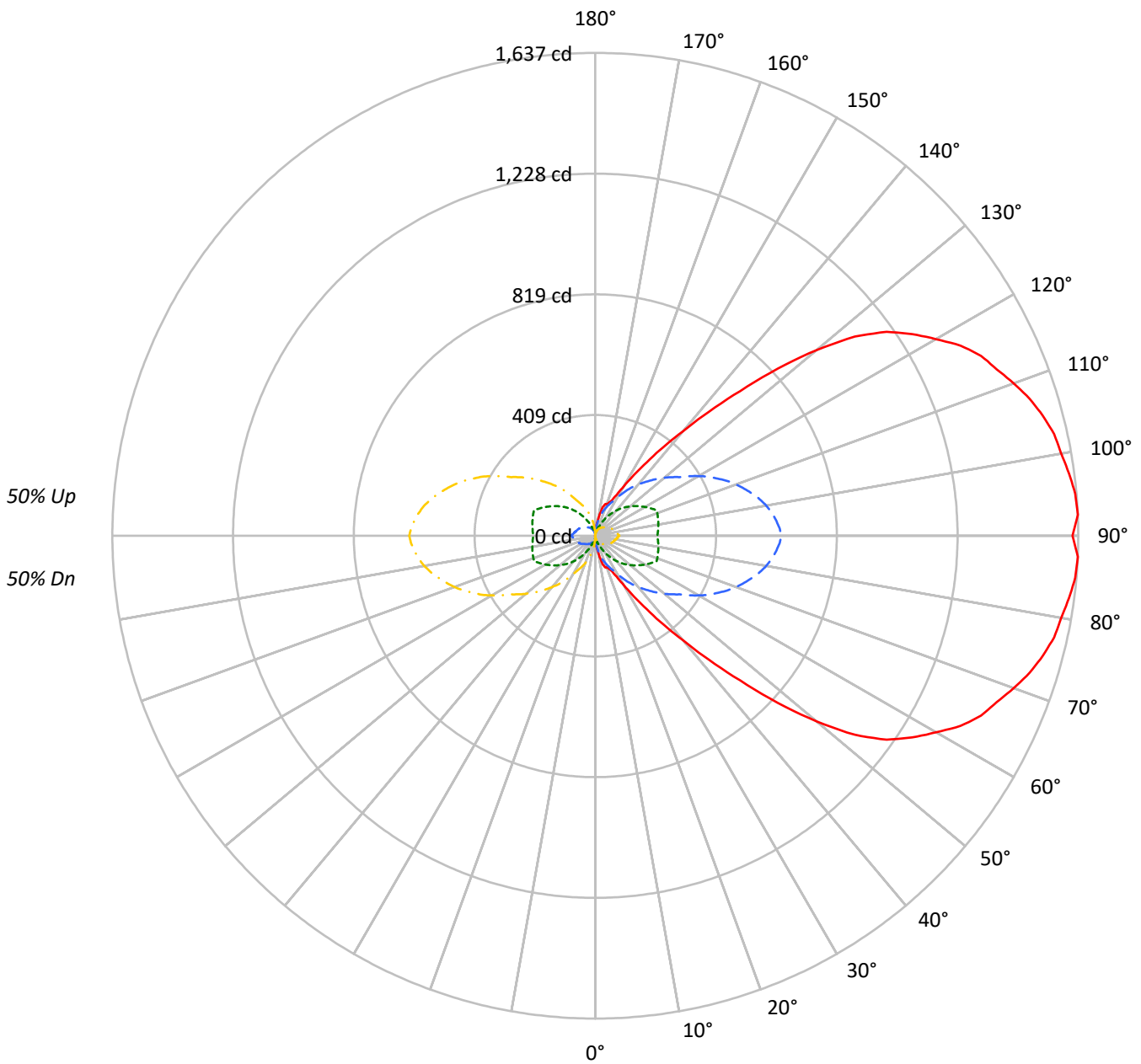
Lumens per Lamp: N/A
Luminaire Lumens: 3816.2 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 24.27 / 15.5 / 16.39
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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°	14	14	14	14
5°	341	124	0	124
10°	706	235	0	235
15°	1104	350	0	350
20°	1137	471	0	471
25°	1233	722	0	722
30°	1721	1125	0	1125
35°	2593	1569	8	1569
40°	3805	2076	7	2076
45°	5565	2665	7	2665
50°	7731	3320	7	3320
55°	9413	4131	7	4131
60°	10385	5167	7	5167
65°	11301	6549	7	6549
70°	11976	8064	7	8064
75°	12724	9847	7	9847
80°	13375	12882	0	12882
85°	14145	19089	0	19089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.0
10°-20°	12.2	0.3
20°-30°	32.4	0.8
30°-40°	75.1	2.0
40°-50°	150.4	3.9
50°-60°	268.2	7.0
60°-70°	387.4	10.2
70°-80°	469.5	12.3
80°-90°	511.4	13.4
90°-100°	511.4	13.4
100°-110°	469.5	12.3
110°-120°	387.4	10.2
120°-130°	268.2	7.0
130°-140°	150.4	3.9
140°-150°	75.1	2.0
150°-160°	32.4	0.8
160°-170°	12.2	0.3
170°-180°	1.7	0.0
0°-30°	46.2	1.2
0°-40°	121.3	3.2
0°-60°	539.9	14.1
0°-90°	1908.1	50.0
90°-120°	1368.2	35.9
90°-150°	1861.9	48.8
90°-180°	1908.0	50.0
0°-180°	3816.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	26	8	0	8	26	4
15°	102	23	0	23	102	28
25°	131	45	0	45	131	66
35°	304	90	1	90	304	200
45°	693	135	1	135	693	552
55°	1205	175	1	175	1205	1067
65°	1443	215	1	215	1443	1424
75°	1570	220	1	220	1570	1657
85°	1633	213	0	213	1633	1327
90°	1618	210	0	210	1618	892
95°	1633	213	0	213	1633	1327
105°	1570	220	1	220	1570	1657
115°	1443	215	1	215	1443	1424
125°	1205	175	1	175	1205	1067
135°	693	135	1	135	693	552
145°	304	90	1	90	304	200
155°	131	45	0	45	131	66
165°	102	23	0	23	102	28
175°	26	8	0	8	26	4
180°	0	0	0	0	0	



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CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.1	12.1	12.1	12.0
5°	25.7	26.0	26.3	26.6	26.9	26.5	26.5	26.5	26.4	26.2	26.0
7.5°	45.2	45.5	45.9	46.2	45.7	45.6	45.3	45.0	44.5	44.0	43.4
10°	59.4	59.9	60.3	60.7	60.3	60.3	60.1	59.9	59.5	59.0	58.5
12.5°	81.5	81.8	82.1	81.5	81.1	80.5	79.8	78.8	77.8	76.5	75.2
15°	101.9	102.0	102.2	101.3	100.6	99.8	98.7	97.5	96.1	94.5	92.8
17.5°	113.4	113.7	114.1	113.7	113.4	113.0	112.3	111.5	110.5	109.2	107.7
20°	113.4	114.6	115.8	116.9	117.8	118.6	119.2	119.6	119.7	119.5	119.0
22.5°	121.4	123.5	125.6	126.8	128.1	129.1	129.8	130.1	130.0	129.4	128.4
25°	131.2	134.3	136.9	139.3	141.4	143.0	144.2	145.0	145.2	144.8	143.9
27.5°	156.9	160.1	162.2	164.0	165.2	165.9	166.0	165.6	164.7	163.4	162.1
30°	193.2	196.0	197.1	197.8	197.8	197.0	195.6	193.6	191.0	187.9	185.7
32.5°	244.6	246.4	245.5	244.1	241.6	238.1	233.7	228.6	222.8	217.4	213.0
35°	304.0	304.5	301.5	297.9	292.9	286.7	279.4	271.2	262.2	253.9	245.6
37.5°	378.4	377.0	370.8	363.8	355.0	344.5	332.7	319.6	306.1	294.5	282.4
40°	461.8	458.5	449.4	439.1	426.5	411.7	395.0	376.7	358.5	341.1	323.1
42.5°	569.9	563.8	549.4	533.6	514.6	492.6	468.2	441.7	418.0	394.2	369.3
45°	693.1	684.0	664.6	643.2	617.8	588.7	556.3	525.0	489.3	455.6	422.5
47.5°	839.3	825.8	799.1	770.2	736.2	697.9	656.0	613.1	570.9	527.0	488.8
50°	980.2	966.0	937.2	904.9	865.7	819.7	767.3	714.2	660.8	609.3	562.7
52.5°	1108.8	1100.7	1076.5	1046.6	1006.5	955.4	893.1	830.0	763.5	699.8	642.0
55°	1205.4	1204.4	1189.5	1169.2	1139.2	1098.7	1044.5	967.6	880.3	801.8	726.3
57.5°	1272.7	1274.7	1266.7	1255.3	1237.9	1214.2	1173.3	1093.9	1012.9	910.9	817.4
60°	1333.0	1334.5	1327.2	1318.0	1304.9	1288.3	1249.4	1186.4	1105.8	1010.9	911.9
62.5°	1395.9	1392.3	1384.1	1372.3	1357.7	1341.0	1305.7	1252.9	1179.1	1092.4	990.4
65°	1442.9	1437.0	1427.6	1415.5	1401.4	1387.5	1361.9	1321.5	1250.4	1159.7	1056.7
67.5°	1473.0	1471.7	1465.7	1454.1	1436.4	1424.0	1411.4	1383.2	1330.3	1237.0	1123.1
70°	1509.4	1505.2	1497.8	1488.2	1477.8	1460.8	1443.4	1426.7	1395.9	1316.6	1194.0
72.5°	1543.9	1538.5	1528.8	1515.5	1502.6	1488.2	1472.3	1454.6	1428.0	1361.0	1252.5
75°	1570.5	1564.4	1554.5	1540.5	1523.7	1507.9	1492.2	1477.2	1456.0	1396.3	1291.7
77.5°	1592.7	1586.5	1576.0	1557.3	1538.1	1520.6	1511.1	1498.5	1478.0	1432.8	1328.7
80°	1603.3	1604.3	1593.6	1569.0	1546.9	1535.5	1523.1	1518.1	1500.1	1466.9	1360.3
82.5°	1619.3	1616.8	1602.1	1582.2	1565.1	1552.0	1535.0	1526.7	1513.8	1479.2	1390.4
85°	1632.6	1617.6	1596.8	1592.9	1581.0	1567.3	1546.1	1530.5	1519.7	1487.0	1411.4
87.5°	1637.0	1610.4	1612.0	1599.5	1579.9	1569.6	1550.3	1534.7	1523.9	1492.7	1421.0
90°	1617.5	1611.3	1612.2	1593.6	1568.7	1567.0	1550.1	1538.6	1525.3	1493.4	1417.2
92.5°	1637.0	1610.4	1612.0	1599.5	1579.9	1569.6	1550.3	1534.7	1523.9	1492.7	1421.0
95°	1632.6	1617.6	1596.8	1592.9	1581.0	1567.3	1546.1	1530.5	1519.7	1487.0	1411.4
97.5°	1619.3	1616.8	1602.1	1582.2	1565.1	1552.0	1535.0	1526.7	1513.8	1479.2	1390.4
100°	1603.3	1604.3	1593.6	1569.0	1546.9	1535.5	1523.1	1518.1	1500.1	1466.9	1360.3
102.5°	1592.7	1586.5	1576.0	1557.3	1538.1	1520.6	1511.1	1498.5	1478.0	1432.8	1328.7
105°	1570.5	1564.4	1554.5	1540.5	1523.7	1507.9	1492.2	1477.2	1456.0	1396.3	1291.7
107.5°	1543.9	1538.5	1528.8	1515.5	1502.6	1488.2	1472.3	1454.6	1428.0	1361.0	1252.5
110°	1509.4	1505.2	1497.8	1488.2	1477.8	1460.8	1443.4	1426.7	1395.9	1316.6	1194.0



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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°	1473.0	1471.7	1465.7	1454.1	1436.4	1424.0	1411.4	1383.2	1330.3	1237.0	1123.1
115°	1442.9	1437.0	1427.6	1415.5	1401.4	1387.5	1361.9	1321.5	1250.4	1159.7	1056.7
117.5°	1395.9	1392.3	1384.1	1372.3	1357.7	1341.0	1305.7	1252.9	1179.1	1092.4	990.4
120°	1333.0	1334.5	1327.2	1318.0	1304.9	1288.3	1249.4	1186.4	1105.8	1010.9	911.9
122.5°	1272.7	1274.7	1266.7	1255.3	1237.9	1214.2	1173.3	1093.9	1012.9	910.9	817.4
125°	1205.4	1204.4	1189.5	1169.2	1139.2	1098.7	1044.5	967.6	880.3	801.8	726.3
127.5°	1108.8	1100.7	1076.5	1046.6	1006.5	955.4	893.1	829.9	763.5	699.8	642.0
130°	980.2	966.0	937.2	904.9	865.7	819.7	767.3	714.2	660.8	609.3	562.7
132.5°	839.3	825.8	799.1	770.2	736.2	697.9	656.0	613.1	570.9	527.0	488.8
135°	693.1	684.0	664.6	643.2	617.8	588.7	556.3	525.0	489.3	455.6	422.5
137.5°	569.9	563.8	549.4	533.6	514.6	492.6	468.2	441.7	418.0	394.2	369.3
140°	461.8	458.5	449.4	439.1	426.5	411.7	395.0	376.7	358.5	341.1	323.1
142.5°	378.4	377.0	370.8	363.8	355.0	344.5	332.7	319.6	306.1	294.5	282.4
145°	304.0	304.5	301.5	297.9	292.9	286.7	279.4	271.2	262.2	253.9	245.6
147.5°	244.6	246.4	245.5	244.1	241.6	238.1	233.7	228.6	222.8	217.4	213.0
150°	193.2	196.0	197.1	197.8	197.8	197.0	195.6	193.6	191.0	187.9	185.7
152.5°	156.9	160.1	162.2	164.0	165.2	165.9	166.0	165.6	164.7	163.4	162.1
155°	131.2	134.3	136.9	139.3	141.4	143.0	144.2	145.0	145.2	144.8	143.9
157.5°	121.4	123.5	125.6	126.8	128.1	129.1	129.8	130.1	130.0	129.4	128.4
160°	113.4	114.6	115.8	116.9	117.8	118.6	119.2	119.6	119.7	119.5	119.0
162.5°	113.4	113.7	114.1	113.7	113.4	113.0	112.3	111.5	110.5	109.2	107.7
165°	101.9	102.0	102.2	101.3	100.6	99.8	98.7	97.5	96.1	94.5	92.8
167.5°	81.5	81.8	82.1	81.5	81.1	80.5	79.8	78.8	77.8	76.5	75.2
170°	59.4	59.9	60.3	60.7	60.3	60.3	60.1	59.9	59.5	59.0	58.5
172.5°	45.2	45.5	45.9	46.2	45.7	45.6	45.3	45.0	44.5	44.0	43.4
175°	25.7	26.0	26.3	26.6	26.9	26.5	26.5	26.5	26.4	26.2	26.0
177.5°	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.1	12.1	12.1	12.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	11.9	11.9	11.8	11.6	11.5	11.3	11.1	10.9	10.7	10.5	10.2
5°	25.7	25.4	25.0	24.6	24.1	23.5	23.0	22.3	21.7	20.9	20.2
7.5°	42.6	41.8	40.9	39.9	38.8	37.7	36.4	35.1	33.8	32.6	31.4
10°	57.8	57.0	56.1	55.1	54.0	52.9	51.4	49.7	47.8	45.9	43.9
12.5°	73.6	72.0	70.3	68.4	66.6	65.2	63.6	61.9	60.1	58.2	56.2
15°	90.9	88.9	86.8	84.4	82.0	79.4	76.8	74.1	71.3	68.9	66.5
17.5°	106.1	104.2	101.7	99.0	96.1	93.2	90.1	87.0	83.7	80.5	77.1
20°	118.1	116.4	114.1	111.5	108.7	105.6	102.2	98.6	95.0	91.3	87.6
22.5°	127.3	126.4	124.9	122.9	120.5	117.2	113.5	109.5	105.3	101.1	97.0
25°	142.7	140.9	138.4	135.3	132.3	129.1	125.2	120.6	115.8	110.8	106.0
27.5°	160.9	158.9	156.1	152.7	148.8	144.0	139.4	133.6	127.7	121.3	115.3
30°	183.0	179.8	176.7	172.5	168.0	162.5	156.5	149.6	143.0	137.1	131.0
32.5°	208.3	203.2	198.7	194.2	189.2	183.4	176.5	169.3	162.1	154.7	147.9
35°	237.0	228.9	222.8	216.4	210.2	203.9	197.1	189.2	180.9	172.8	164.6
37.5°	270.0	259.3	249.0	240.2	231.9	223.9	216.2	208.4	199.8	190.6	181.6
40°	305.9	291.9	278.6	266.8	255.5	245.0	235.9	226.7	217.8	208.2	198.2
42.5°	347.9	329.1	311.0	296.2	282.4	268.7	256.0	245.7	235.2	225.2	214.7
45°	396.9	370.6	348.3	327.1	309.3	293.0	278.7	264.7	253.2	241.7	230.6
47.5°	452.5	417.7	388.8	361.4	338.7	318.3	301.1	285.7	271.1	258.5	246.1
50°	515.0	472.7	432.1	399.3	370.1	345.1	323.7	305.9	290.1	275.2	261.5
52.5°	584.6	532.2	482.7	439.3	403.1	372.6	347.1	326.1	309.0	292.1	280.6
55°	658.5	594.3	537.1	483.2	437.9	401.0	370.0	346.5	330.1	315.7	304.1
57.5°	735.9	659.7	591.6	530.8	475.6	430.0	400.1	375.7	354.6	338.3	325.6
60°	813.5	726.8	647.2	576.4	519.2	470.7	431.7	404.8	381.2	361.4	346.1
62.5°	888.1	789.9	704.5	630.2	564.5	508.6	465.2	433.1	407.9	383.7	365.7
65°	949.0	853.3	762.5	680.5	609.2	547.5	496.4	457.8	433.6	407.7	386.7
67.5°	1013.6	913.2	817.2	728.1	649.2	581.2	526.1	484.5	456.4	431.8	407.0
70°	1075.8	965.9	867.7	769.1	686.2	614.8	554.8	508.2	476.3	455.0	426.5
72.5°	1127.5	1011.9	905.4	806.5	717.5	642.7	578.8	529.6	494.3	475.5	445.9
75°	1168.2	1049.5	937.7	836.0	741.4	665.8	601.5	550.4	514.3	490.5	461.1
77.5°	1193.3	1076.0	962.8	862.0	767.9	689.1	623.8	571.1	532.6	505.5	476.2
80°	1221.7	1101.7	991.8	886.6	790.4	707.3	641.6	588.4	549.0	520.4	490.8
82.5°	1250.1	1123.5	1013.3	904.6	806.9	720.8	655.3	602.7	563.7	535.0	504.8
85°	1263.9	1136.7	1027.0	915.9	817.6	729.6	665.3	614.2	576.8	549.0	517.8
87.5°	1264.4	1145.2	1036.6	923.7	825.2	736.1	673.3	624.3	589.1	562.7	530.4
90°	1253.2	1137.1	1030.8	919.1	822.5	735.6	676.2	631.0	599.1	574.3	539.8
92.5°	1264.4	1145.2	1036.6	923.7	825.2	736.1	673.3	624.3	589.1	562.7	530.4
95°	1263.9	1136.7	1027.0	915.9	817.6	729.6	665.3	614.2	576.8	549.0	517.8
97.5°	1250.1	1123.5	1013.3	904.6	806.9	720.8	655.3	602.7	563.7	535.0	504.8
100°	1221.7	1101.7	991.8	886.6	790.4	707.3	641.6	588.4	549.0	520.4	490.8
102.5°	1193.3	1076.0	962.8	862.0	767.9	689.1	623.8	571.1	532.6	505.5	476.2
105°	1168.2	1049.5	937.7	836.0	741.4	665.8	601.5	550.4	514.3	490.5	461.1
107.5°	1127.5	1011.9	905.4	806.5	717.5	642.7	578.8	529.6	494.3	475.5	445.9
110°	1075.8	965.9	867.7	769.1	686.2	614.8	554.8	508.2	476.3	455.0	426.5



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	1013.6	913.2	817.2	728.1	649.2	581.2	526.1	484.5	456.4	431.8	407.0
115°	949.0	853.3	762.5	680.5	609.2	547.5	496.4	457.8	433.6	407.7	386.7
117.5°	888.1	789.9	704.5	630.2	564.5	508.6	465.2	433.1	407.9	383.7	365.7
120°	813.5	726.8	647.2	576.4	519.2	470.7	431.7	404.8	381.2	361.4	346.1
122.5°	735.9	659.7	591.6	530.8	475.6	430.0	400.1	375.7	354.6	338.3	325.6
125°	658.5	594.3	537.1	483.2	437.9	401.0	370.0	346.5	330.1	315.7	304.1
127.5°	584.6	532.2	482.7	439.3	403.1	372.6	347.1	326.1	309.0	292.1	280.6
130°	515.0	472.7	432.1	399.3	370.1	345.1	323.7	305.9	290.1	275.2	261.5
132.5°	452.5	417.7	388.8	361.4	338.7	318.3	301.1	285.7	271.1	258.5	246.1
135°	396.9	370.6	348.3	327.1	309.3	293.0	278.7	264.7	253.2	241.7	230.6
137.5°	347.9	329.1	311.0	296.2	282.4	268.7	256.0	245.7	235.2	225.2	214.7
140°	305.9	291.9	278.6	266.8	255.5	245.1	235.9	226.7	217.8	208.2	198.2
142.5°	270.0	259.3	249.0	240.2	231.9	223.9	216.2	208.4	199.8	190.6	181.6
145°	237.0	228.9	222.8	216.4	210.2	203.9	197.1	189.2	180.9	172.8	164.6
147.5°	208.3	203.2	198.7	194.2	189.2	183.4	176.5	169.3	162.1	154.7	147.9
150°	183.0	179.8	176.7	172.5	168.0	162.5	156.5	149.6	143.0	137.1	131.0
152.5°	160.9	158.9	156.1	152.7	148.8	144.0	139.4	133.6	127.7	121.3	115.3
155°	142.7	140.9	138.4	135.3	132.3	129.1	125.2	120.6	115.8	110.8	106.0
157.5°	127.3	126.4	124.9	122.9	120.5	117.2	113.5	109.5	105.3	101.1	97.0
160°	118.1	116.4	114.1	111.5	108.7	105.6	102.2	98.6	95.0	91.3	87.6
162.5°	106.1	104.2	101.7	99.0	96.1	93.2	90.1	87.0	83.7	80.5	77.1
165°	90.9	88.9	86.8	84.4	82.0	79.4	76.8	74.1	71.3	68.9	66.5
167.5°	73.6	72.0	70.3	68.4	66.6	65.2	63.6	61.9	60.1	58.2	56.2
170°	57.8	57.0	56.1	55.1	54.0	52.9	51.4	49.7	47.8	45.9	43.9
172.5°	42.6	41.8	40.9	39.9	38.8	37.7	36.4	35.1	33.8	32.6	31.4
175°	25.7	25.4	25.0	24.6	24.1	23.5	23.0	22.3	21.7	20.9	20.2
177.5°	11.9	11.9	11.8	11.6	11.5	11.3	11.1	10.9	10.7	10.5	10.2
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: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	9.9	9.6	9.3	9.0	8.6	8.3	7.9	7.5	7.1	6.7	6.3
5°	19.4	18.5	17.6	17.0	16.3	15.6	14.9	14.1	13.3	12.5	11.7
7.5°	30.2	29.0	27.6	26.3	24.8	23.4	21.8	20.6	19.4	18.3	17.0
10°	41.9	39.7	37.7	35.7	33.8	31.9	29.8	27.8	25.6	23.9	22.3
12.5°	53.7	51.1	48.5	45.7	42.9	40.3	37.8	35.2	32.5	29.8	27.6
15°	64.0	61.4	59.1	55.5	52.3	49.0	45.6	42.5	39.4	36.2	32.9
17.5°	74.2	70.8	67.7	64.4	61.0	57.3	53.6	49.8	46.1	42.4	38.6
20°	83.9	80.2	76.5	72.8	69.0	65.1	61.0	56.9	52.8	48.6	44.3
22.5°	92.8	88.8	84.9	80.9	76.7	72.4	67.9	63.6	59.2	54.7	49.9
25°	101.0	96.5	92.2	88.1	85.3	81.8	78.0	74.1	70.2	66.2	61.6
27.5°	110.7	107.2	104.2	101.2	98.3	95.2	91.4	87.3	83.1	78.7	74.0
30°	126.0	121.2	117.2	114.0	110.8	107.7	104.3	100.1	96.1	91.2	86.5
32.5°	141.2	135.5	130.4	126.3	123.0	119.8	116.4	112.6	108.2	103.5	98.4
35°	157.1	149.7	143.7	138.5	134.7	131.4	128.1	124.9	120.3	115.6	110.3
37.5°	172.7	164.6	156.7	151.0	146.1	142.7	139.4	136.0	132.0	127.5	122.2
40°	188.5	179.0	170.6	162.8	157.5	153.4	150.4	147.1	143.4	139.1	133.8
42.5°	203.8	193.7	184.0	175.4	168.8	163.7	160.9	157.8	154.5	150.4	145.4
45°	219.2	207.7	197.4	188.0	179.4	174.4	170.9	168.3	165.1	161.4	156.9
47.5°	234.1	222.0	210.5	200.5	191.0	186.2	185.1	185.3	185.2	183.7	179.8
50°	248.6	236.6	228.5	222.4	217.2	213.1	211.1	210.6	211.0	210.8	205.6
52.5°	271.0	263.1	255.9	249.9	244.9	240.4	237.7	236.0	236.1	238.3	231.5
55°	294.8	287.8	281.7	276.2	271.9	267.9	264.4	261.6	260.6	265.0	257.7
57.5°	316.5	310.5	306.3	301.5	298.1	294.8	291.2	287.3	285.0	290.6	284.2
60°	335.9	331.4	328.5	325.7	323.3	321.1	318.1	313.2	310.3	315.8	311.0
62.5°	355.0	350.7	349.4	348.7	347.7	346.9	344.8	339.6	335.6	340.7	338.0
65°	373.3	368.2	368.9	370.6	371.2	372.0	370.9	366.0	361.0	365.2	365.1
67.5°	390.3	384.1	387.1	391.3	394.0	396.3	396.7	392.4	386.5	389.4	392.4
70°	406.7	400.1	404.2	409.8	412.4	413.7	413.1	408.6	402.4	401.5	399.7
72.5°	422.0	410.9	411.0	415.3	418.6	420.4	420.5	418.1	414.2	412.0	404.8
75°	433.5	419.2	416.9	420.8	424.7	427.1	427.7	427.0	425.7	423.5	410.3
77.5°	444.3	427.2	423.1	426.4	430.8	433.7	434.8	435.3	436.8	435.9	416.1
80°	454.3	435.1	429.5	432.0	436.8	440.4	441.7	443.2	447.6	448.9	422.0
82.5°	463.7	442.7	436.1	437.8	442.7	447.0	448.5	450.8	458.3	462.3	429.9
85°	472.4	450.2	442.8	443.6	448.7	453.7	455.2	458.0	468.7	476.7	434.6
87.5°	480.6	457.5	449.6	449.5	454.7	460.4	462.0	465.7	479.4	489.6	439.3
90°	487.5	464.4	456.4	455.6	460.9	467.1	468.8	473.3	490.1	502.5	444.0
92.5°	480.6	457.5	449.6	449.5	454.7	460.4	462.0	465.7	479.4	489.6	439.3
95°	472.4	450.2	442.8	443.6	448.7	453.7	455.2	458.0	468.7	476.7	434.6
97.5°	463.7	442.7	436.1	437.8	442.7	447.0	448.5	450.8	458.3	462.3	429.9
100°	454.3	435.1	429.5	432.0	436.8	440.4	441.7	443.2	447.6	448.9	422.0
102.5°	444.3	427.2	423.1	426.4	430.8	433.7	434.8	435.3	436.8	435.9	416.1
105°	433.5	419.2	416.9	420.8	424.7	427.1	427.7	427.0	425.7	423.5	410.3
107.5°	422.0	410.9	411.0	415.3	418.6	420.4	420.5	418.1	414.2	412.0	404.8
110°	406.7	400.1	404.2	409.8	412.4	413.7	413.1	408.6	402.4	401.5	399.7



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	390.3	384.1	387.1	391.3	394.0	396.3	396.7	392.4	386.5	389.4	392.4
115°	373.3	368.2	368.9	370.6	371.2	372.0	370.9	366.0	361.0	365.2	365.1
117.5°	355.0	350.7	349.4	348.7	347.7	346.9	344.8	339.6	335.6	340.7	338.0
120°	335.9	331.4	328.5	325.7	323.3	321.1	318.1	313.2	310.3	315.8	311.0
122.5°	316.5	310.5	306.3	301.5	298.1	294.8	291.2	287.3	285.0	290.6	284.2
125°	294.8	287.8	281.7	276.2	271.9	267.9	264.4	261.6	260.6	265.0	257.7
127.5°	271.0	263.1	255.9	249.9	244.9	240.4	237.7	236.0	236.1	238.3	231.5
130°	248.6	236.6	228.5	222.4	217.2	213.1	211.1	210.6	211.0	210.8	205.6
132.5°	234.1	222.0	210.5	200.5	191.0	186.2	185.1	185.3	185.2	183.7	179.8
135°	219.2	207.7	197.4	188.0	179.4	174.4	170.9	168.3	165.1	161.4	156.9
137.5°	203.8	193.7	184.0	175.4	168.8	163.7	160.9	157.8	154.5	150.4	145.4
140°	188.5	179.0	170.6	162.8	157.5	153.4	150.4	147.1	143.4	139.1	133.8
142.5°	172.7	164.6	156.7	151.0	146.1	142.7	139.4	136.0	132.0	127.5	122.2
145°	157.1	149.7	143.7	138.5	134.7	131.4	128.1	124.9	120.3	115.6	110.3
147.5°	141.2	135.5	130.4	126.3	123.0	119.8	116.4	112.6	108.2	103.5	98.4
150°	126.0	121.2	117.2	114.0	110.8	107.7	104.3	100.1	96.1	91.2	86.5
152.5°	110.7	107.2	104.2	101.2	98.3	95.2	91.4	87.3	83.1	78.7	74.0
155°	101.0	96.5	92.2	88.1	85.3	81.8	78.0	74.1	70.2	66.2	61.6
157.5°	92.8	88.8	84.9	80.9	76.7	72.4	67.9	63.6	59.2	54.7	49.9
160°	83.9	80.2	76.5	72.8	69.0	65.1	61.0	56.9	52.8	48.6	44.3
162.5°	74.2	70.8	67.7	64.4	61.0	57.3	53.6	49.8	46.1	42.4	38.6
165°	64.0	61.4	59.1	55.5	52.3	49.0	45.6	42.5	39.4	36.2	32.9
167.5°	53.7	51.1	48.5	45.7	42.9	40.3	37.8	35.2	32.5	29.8	27.6
170°	41.9	39.7	37.7	35.7	33.8	31.9	29.8	27.8	25.6	23.9	22.3
172.5°	30.2	29.0	27.6	26.3	24.8	23.4	21.8	20.6	19.4	18.3	17.0
175°	19.4	18.5	17.6	17.0	16.3	15.6	14.9	14.1	13.3	12.5	11.7
177.5°	9.9	9.6	9.3	9.0	8.6	8.3	7.9	7.5	7.1	6.7	6.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	5.9	5.4	5.0	4.5	4.5	4.4	4.4	4.3	4.2	4.2	4.1
5°	10.8	10.0	9.1	8.2	8.1	8.0	7.8	7.7	7.5	7.4	7.2
7.5°	15.8	14.5	13.2	11.8	11.7	11.5	11.3	11.0	10.8	10.5	10.3
10°	20.7	19.0	17.2	15.5	15.2	15.0	14.7	14.4	14.0	13.7	13.6
12.5°	25.5	23.4	21.3	19.1	18.8	18.5	18.1	17.7	17.4	17.3	17.2
15°	30.3	27.9	25.3	22.8	22.4	21.9	21.4	21.0	21.0	20.9	20.8
17.5°	35.1	32.3	29.4	26.4	25.9	25.4	24.8	24.6	24.6	24.5	24.4
20°	39.9	36.7	33.4	30.1	29.4	28.8	28.1	28.2	28.3	28.2	27.9
22.5°	45.1	41.0	37.4	33.7	33.0	32.2	31.8	31.9	32.0	31.8	31.4
25°	56.8	52.3	48.7	44.9	44.4	43.7	43.4	43.2	42.6	41.3	39.8
27.5°	68.9	63.8	60.1	56.1	55.9	55.5	55.7	55.7	54.6	52.8	50.6
30°	80.9	75.2	71.4	67.4	67.5	67.5	68.1	68.4	66.3	64.0	60.6
32.5°	92.8	86.8	82.6	78.6	79.2	79.7	80.6	80.4	77.8	74.3	69.7
35°	104.6	98.4	93.9	89.8	90.9	92.0	93.3	92.2	88.9	83.8	78.1
37.5°	116.3	109.9	105.0	101.0	102.7	104.3	106.0	103.8	100.0	92.8	85.4
40°	128.0	121.3	116.2	112.3	114.5	116.7	118.8	115.2	109.4	101.1	91.8
42.5°	139.5	132.7	127.3	123.5	126.4	129.2	131.7	126.4	118.7	109.2	97.5
45°	150.8	144.0	138.3	134.7	138.3	141.7	143.3	137.5	127.4	115.5	102.6
47.5°	171.4	161.3	151.8	144.7	145.2	146.4	145.8	139.7	129.1	117.1	104.7
50°	193.7	179.4	165.5	154.8	151.7	150.3	147.1	139.6	128.3	116.0	104.2
52.5°	216.7	198.1	179.4	164.8	158.0	153.9	148.3	139.2	127.6	115.2	104.4
55°	240.5	217.3	193.6	174.9	164.0	157.2	149.3	138.9	127.1	114.9	105.1
57.5°	264.8	236.9	207.9	184.9	169.8	160.2	150.2	138.8	126.9	115.1	106.3
60°	289.6	256.9	222.5	195.0	175.5	162.9	150.9	138.8	126.9	116.1	108.3
62.5°	314.9	277.2	237.1	205.0	181.0	165.4	151.6	138.9	127.3	117.5	111.6
65°	340.6	297.7	251.9	215.1	186.3	167.7	152.3	139.2	127.9	119.3	115.4
67.5°	366.6	318.5	266.7	225.1	191.5	169.9	152.9	139.5	128.7	121.3	119.7
70°	369.0	318.6	266.0	223.4	190.2	168.5	151.4	138.3	127.9	121.3	121.1
72.5°	369.4	317.7	265.1	221.8	188.8	167.1	149.8	136.9	126.8	120.5	120.6
75°	369.6	316.6	265.6	220.1	187.6	165.8	148.4	135.6	125.8	119.7	119.8
77.5°	369.6	315.2	264.0	218.4	186.4	164.5	147.0	134.5	125.0	118.9	118.9
80°	369.3	315.2	262.4	216.8	185.3	163.3	145.8	133.4	124.2	118.3	117.9
82.5°	370.2	312.6	260.8	215.1	184.3	162.3	144.6	132.5	123.6	117.6	116.9
85°	368.6	310.0	259.3	213.4	183.4	161.3	143.6	131.7	123.1	117.0	115.7
87.5°	366.9	307.5	257.7	211.8	182.5	160.3	142.6	130.9	122.6	116.5	114.6
90°	365.2	304.9	256.1	210.1	181.7	159.5	141.8	130.3	122.3	116.1	113.4
92.5°	366.9	307.5	257.7	211.8	182.5	160.3	142.6	130.9	122.6	116.5	114.6
95°	368.6	310.0	259.3	213.4	183.4	161.3	143.6	131.7	123.1	117.0	115.7
97.5°	370.2	312.6	260.8	215.1	184.3	162.3	144.6	132.5	123.6	117.6	116.9
100°	369.3	315.2	262.4	216.8	185.3	163.3	145.8	133.4	124.2	118.3	117.9
102.5°	369.6	315.2	264.0	218.4	186.4	164.5	147.0	134.5	125.0	118.9	118.9
105°	369.6	316.6	265.6	220.1	187.6	165.8	148.4	135.6	125.8	119.7	119.8
107.5°	369.4	317.7	265.1	221.8	188.8	167.1	149.8	136.9	126.8	120.5	120.6
110°	369.0	318.6	266.0	223.4	190.2	168.5	151.4	138.3	127.9	121.3	121.1



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	366.6	318.5	266.7	225.1	191.5	169.9	152.9	139.5	128.7	121.3	119.7
115°	340.6	297.7	251.9	215.1	186.3	167.7	152.3	139.2	127.9	119.3	115.4
117.5°	314.9	277.2	237.1	205.0	181.0	165.4	151.6	138.9	127.3	117.5	111.6
120°	289.6	256.9	222.5	195.0	175.5	162.9	150.9	138.8	126.9	116.1	108.3
122.5°	264.8	236.9	207.9	184.9	169.8	160.2	150.2	138.8	126.9	115.1	106.3
125°	240.5	217.3	193.6	174.9	164.0	157.2	149.3	138.9	127.1	114.9	105.1
127.5°	216.7	198.1	179.4	164.8	158.0	153.9	148.3	139.2	127.6	115.2	104.4
130°	193.7	179.4	165.5	154.8	151.7	150.3	147.1	139.6	128.3	116.0	104.2
132.5°	171.4	161.3	151.8	144.7	145.2	146.4	145.8	139.7	129.1	117.1	104.7
135°	150.8	144.0	138.3	134.7	138.3	141.7	143.3	137.5	127.4	115.5	102.6
137.5°	139.5	132.7	127.3	123.5	126.4	129.2	131.7	126.4	118.7	109.2	97.5
140°	128.0	121.3	116.2	112.3	114.5	116.7	118.8	115.2	109.4	101.1	91.8
142.5°	116.3	109.9	105.0	101.0	102.7	104.3	106.0	103.8	100.0	92.8	85.4
145°	104.6	98.4	93.9	89.8	90.9	92.0	93.3	92.2	88.9	83.8	78.1
147.5°	92.8	86.8	82.6	78.6	79.2	79.7	80.6	80.4	77.8	74.3	69.7
150°	80.9	75.2	71.4	67.4	67.5	67.5	68.1	68.4	66.3	64.0	60.6
152.5°	68.9	63.8	60.1	56.1	55.9	55.5	55.7	55.7	54.6	52.8	50.6
155°	56.8	52.3	48.7	44.9	44.4	43.7	43.4	43.2	42.6	41.3	39.8
157.5°	45.1	41.0	37.4	33.7	33.0	32.2	31.8	31.9	32.0	31.8	31.4
160°	39.9	36.7	33.4	30.1	29.4	28.8	28.1	28.2	28.3	28.2	27.9
162.5°	35.1	32.3	29.4	26.4	25.9	25.4	24.8	24.6	24.6	24.5	24.4
165°	30.3	27.9	25.3	22.8	22.4	21.9	21.4	21.0	21.0	20.9	20.8
167.5°	25.5	23.4	21.3	19.1	18.8	18.5	18.1	17.7	17.4	17.3	17.2
170°	20.7	19.0	17.2	15.5	15.2	15.0	14.7	14.4	14.0	13.7	13.6
172.5°	15.8	14.5	13.2	11.8	11.7	11.5	11.3	11.0	10.8	10.5	10.3
175°	10.8	10.0	9.1	8.2	8.1	8.0	7.8	7.7	7.5	7.4	7.2
177.5°	5.9	5.4	5.0	4.5	4.5	4.4	4.4	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: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1	2.9	2.8
5°	7.0	6.8	6.6	6.4	6.1	6.0	5.8	5.7	5.5	5.3	5.1
7.5°	10.0	9.9	9.7	9.5	9.4	9.1	8.9	8.7	8.4	8.1	7.8
10°	13.5	13.3	13.1	12.9	12.7	12.3	12.0	11.6	11.2	10.8	10.4
12.5°	17.0	16.8	16.6	16.2	15.8	15.4	15.0	14.5	14.1	13.5	13.0
15°	20.6	20.3	19.9	19.5	19.0	18.6	18.0	17.5	16.9	16.3	15.5
17.5°	24.1	23.7	23.2	22.8	22.3	21.7	21.1	20.3	19.5	18.7	17.9
20°	27.5	27.1	26.6	26.1	25.5	24.7	23.9	23.0	22.0	21.1	20.1
22.5°	31.0	30.5	30.0	29.4	28.4	27.5	26.5	25.5	24.5	23.4	22.5
25°	38.0	36.2	34.3	32.3	31.3	30.2	29.1	28.0	27.1	26.1	25.1
27.5°	48.0	45.4	42.4	39.6	37.0	34.6	32.5	30.9	30.0	28.7	27.3
30°	57.1	53.1	49.2	45.7	42.5	39.7	37.5	35.3	33.2	31.2	29.5
32.5°	64.9	59.7	55.0	50.7	47.1	44.1	41.2	38.5	36.0	33.9	31.9
35°	71.6	65.4	59.9	55.0	51.1	47.4	44.0	41.0	38.5	36.1	33.6
37.5°	77.5	70.4	63.8	58.8	54.2	50.0	46.3	43.3	40.5	37.7	35.2
40°	82.6	74.6	67.6	61.8	56.6	51.9	48.5	45.2	42.0	39.3	36.9
42.5°	87.3	77.9	70.8	64.3	58.5	54.1	50.3	46.7	43.6	41.0	38.6
45°	91.3	81.5	73.4	66.3	60.5	56.0	51.9	48.3	45.4	42.8	40.3
47.5°	93.7	84.4	75.7	67.8	62.5	57.7	53.3	50.1	47.1	44.5	42.0
50°	93.9	86.1	78.8	71.9	65.9	59.6	55.2	51.8	48.9	46.3	43.8
52.5°	95.6	88.9	83.2	78.1	72.6	66.7	60.9	55.5	50.9	48.4	45.4
55°	98.2	93.2	89.0	85.2	80.1	74.1	67.8	61.9	56.8	51.9	47.3
57.5°	101.5	98.6	96.0	92.8	88.0	81.2	74.4	68.0	62.0	56.1	51.4
60°	105.6	104.8	103.7	100.9	95.6	88.2	80.6	73.4	66.4	60.1	54.7
62.5°	110.6	112.0	112.1	109.4	103.0	94.8	86.4	78.2	70.2	63.6	57.3
65°	116.6	119.7	121.0	118.3	110.3	101.1	91.7	82.4	73.8	66.5	59.3
67.5°	123.2	127.9	129.7	126.8	117.6	107.2	96.7	86.3	77.2	68.9	61.2
70°	126.4	132.8	136.2	134.0	124.4	113.1	101.4	89.9	80.3	71.1	62.8
72.5°	125.5	131.7	135.3	133.0	125.4	115.6	104.3	93.2	83.2	73.1	64.2
75°	124.4	130.6	134.6	132.7	126.4	117.1	106.1	95.4	85.2	75.1	66.0
77.5°	123.0	129.6	134.1	133.1	128.1	119.1	108.4	98.0	87.6	77.3	68.1
80°	121.3	128.5	133.9	134.0	130.4	121.6	111.1	100.9	90.3	79.8	70.2
82.5°	119.5	127.3	133.7	135.2	133.1	124.4	114.3	104.2	93.3	82.6	72.6
85°	117.5	126.1	133.5	136.8	136.1	127.5	117.8	107.8	96.7	85.7	75.2
87.5°	115.5	124.7	133.3	138.4	139.4	131.0	121.7	111.8	100.4	89.2	78.1
90°	113.4	123.2	132.9	140.0	142.7	134.7	125.9	116.1	104.6	93.1	81.5
92.5°	115.5	124.7	133.3	138.4	139.4	131.0	121.7	111.8	100.4	89.2	78.1
95°	117.5	126.1	133.5	136.8	136.1	127.5	117.8	107.8	96.7	85.7	75.2
97.5°	119.5	127.3	133.7	135.2	133.1	124.4	114.3	104.2	93.3	82.6	72.6
100°	121.3	128.5	133.9	134.0	130.4	121.6	111.1	100.9	90.3	79.8	70.2
102.5°	123.0	129.6	134.1	133.1	128.1	119.1	108.4	98.0	87.6	77.3	68.1
105°	124.4	130.6	134.6	132.7	126.4	117.1	106.1	95.4	85.2	75.1	66.0
107.5°	125.5	131.7	135.3	133.0	125.4	115.6	104.3	93.2	83.2	73.1	64.2
110°	126.4	132.8	136.2	134.0	124.4	113.1	101.4	89.9	80.3	71.1	62.8



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	123.2	127.9	129.7	126.8	117.6	107.2	96.7	86.3	77.2	68.9	61.2
115°	116.6	119.7	121.0	118.3	110.3	101.1	91.7	82.4	73.8	66.5	59.3
117.5°	110.6	112.0	112.1	109.4	103.0	94.8	86.4	78.2	70.2	63.6	57.3
120°	105.6	104.8	103.7	100.9	95.6	88.2	80.6	73.4	66.4	60.1	54.7
122.5°	101.5	98.6	96.0	92.8	88.0	81.2	74.4	68.0	62.0	56.1	51.4
125°	98.2	93.2	89.0	85.2	80.1	74.1	67.8	61.9	56.8	51.9	47.3
127.5°	95.6	88.9	83.2	78.1	72.6	66.7	60.9	55.5	50.9	48.4	45.4
130°	93.9	86.1	78.8	71.9	65.9	59.6	55.2	51.8	48.9	46.3	43.8
132.5°	93.7	84.4	75.7	67.8	62.5	57.7	53.3	50.1	47.1	44.5	42.0
135°	91.3	81.5	73.4	66.3	60.5	56.0	51.9	48.3	45.4	42.8	40.3
137.5°	87.3	77.9	70.8	64.3	58.5	54.1	50.3	46.7	43.6	41.0	38.6
140°	82.6	74.6	67.6	61.8	56.6	51.9	48.5	45.2	42.0	39.3	36.9
142.5°	77.5	70.4	63.8	58.8	54.2	50.0	46.3	43.3	40.5	37.7	35.2
145°	71.6	65.4	59.9	55.0	51.1	47.4	44.0	41.0	38.5	36.1	33.6
147.5°	64.9	59.7	55.0	50.7	47.1	44.1	41.2	38.5	36.0	33.9	31.9
150°	57.1	53.1	49.2	45.7	42.5	39.7	37.5	35.3	33.2	31.2	29.5
152.5°	48.0	45.4	42.4	39.6	37.0	34.6	32.5	30.9	30.0	28.7	27.3
155°	38.0	36.2	34.3	32.3	31.3	30.2	29.1	28.0	27.1	26.1	25.1
157.5°	31.0	30.5	30.0	29.4	28.4	27.5	26.5	25.5	24.5	23.4	22.5
160°	27.5	27.1	26.6	26.1	25.5	24.7	23.9	23.0	22.0	21.1	20.1
162.5°	24.1	23.7	23.2	22.8	22.3	21.7	21.1	20.3	19.5	18.7	17.9
165°	20.6	20.3	19.9	19.5	19.0	18.6	18.0	17.5	16.9	16.3	15.5
167.5°	17.0	16.8	16.6	16.2	15.8	15.4	15.0	14.5	14.1	13.5	13.0
170°	13.5	13.3	13.1	12.9	12.7	12.3	12.0	11.6	11.2	10.8	10.4
172.5°	10.0	9.9	9.7	9.5	9.4	9.1	8.9	8.7	8.4	8.1	7.8
175°	7.0	6.8	6.6	6.4	6.1	6.0	5.8	5.7	5.5	5.3	5.1
177.5°	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1	2.9	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: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.7	1.6	1.4	1.3	1.1
5°	4.9	4.6	4.4	4.1	3.9	3.6	3.4	3.1	2.8	2.5	2.2
7.5°	7.4	7.1	6.7	6.3	5.9	5.5	5.1	4.6	4.2	3.8	3.3
10°	9.9	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4
12.5°	12.4	11.8	11.2	10.5	9.8	9.1	8.4	7.7	7.0	6.2	5.4
15°	14.8	14.0	13.2	12.4	11.6	10.8	9.9	9.0	8.2	7.3	6.4
17.5°	17.0	16.1	15.2	14.2	13.3	12.3	11.4	10.5	9.5	8.5	7.5
20°	19.1	18.1	17.2	16.2	15.2	14.2	13.1	12.0	10.8	9.6	8.5
22.5°	21.5	20.5	19.5	18.2	17.0	15.8	14.5	13.2	11.9	10.6	9.3
25°	23.9	22.6	21.3	20.0	18.6	17.2	15.9	14.5	13.0	11.5	10.1
27.5°	26.0	24.5	23.1	21.6	20.1	18.5	16.9	15.3	13.7	12.2	10.7
30°	27.9	26.4	24.6	22.8	21.1	19.5	17.9	16.3	14.7	13.1	11.5
32.5°	29.8	27.7	25.8	24.2	22.5	20.8	19.1	17.4	15.7	14.0	12.3
35°	31.3	29.3	27.5	25.7	23.9	22.1	20.2	18.3	16.4	14.6	12.9
37.5°	33.1	31.0	29.1	27.2	25.0	22.8	20.8	19.0	17.2	15.4	13.5
40°	34.8	32.6	30.4	28.1	25.8	23.7	21.8	19.7	17.6	15.6	13.7
42.5°	36.4	34.0	31.6	29.3	27.1	24.7	22.2	20.0	18.1	16.1	14.2
45°	37.9	35.4	33.0	30.6	28.0	25.5	23.1	20.9	18.8	16.8	14.8
47.5°	39.4	36.8	34.3	31.7	29.1	26.6	24.2	21.8	19.3	16.9	14.7
50°	41.0	38.3	35.6	32.9	30.2	27.6	25.0	22.2	19.4	17.1	15.0
52.5°	42.6	39.9	36.9	34.0	31.2	28.3	25.3	22.7	20.1	17.7	15.5
55°	44.4	41.2	38.1	35.1	31.9	28.9	26.0	23.3	20.8	18.3	16.0
57.5°	46.9	42.6	39.2	35.9	32.7	29.6	26.7	23.9	21.1	18.5	15.9
60°	49.4	44.7	40.6	36.8	33.5	30.3	27.2	24.0	21.1	18.2	15.7
62.5°	51.4	46.3	41.8	37.9	34.3	30.8	27.1	23.9	20.9	18.0	15.4
65°	53.0	47.6	42.9	38.6	34.7	30.7	27.2	23.9	20.5	17.6	14.8
67.5°	54.4	48.8	43.7	39.0	34.6	30.5	27.1	23.3	20.1	17.0	14.0
70°	55.7	49.7	44.3	39.3	34.5	30.4	26.1	22.4	19.5	16.1	13.1
72.5°	57.0	50.7	44.8	39.5	34.6	29.9	25.1	21.7	18.2	15.1	12.5
75°	58.3	51.6	45.3	39.8	34.6	29.1	24.6	20.7	17.0	13.9	11.3
77.5°	60.0	52.6	45.8	40.0	34.4	28.4	24.1	19.8	16.0	12.8	10.0
80°	61.7	53.6	46.2	39.8	33.5	27.7	23.3	19.2	15.1	11.7	8.7
82.5°	63.6	54.6	46.7	39.6	32.7	26.9	22.1	17.9	14.3	10.9	7.4
85°	65.7	55.8	47.3	39.7	32.3	26.2	21.2	17.1	13.8	10.6	7.2
87.5°	68.1	57.4	48.3	40.0	32.3	25.7	20.6	16.8	13.8	10.8	7.8
90°	70.9	59.4	49.6	40.8	32.8	25.7	20.4	16.8	14.2	11.5	8.9
92.5°	68.1	57.4	48.3	40.0	32.3	25.7	20.6	16.8	13.8	10.8	7.8
95°	65.7	55.8	47.3	39.7	32.3	26.2	21.2	17.1	13.8	10.6	7.2
97.5°	63.6	54.6	46.7	39.6	32.7	26.9	22.1	17.9	14.3	10.9	7.4
100°	61.7	53.6	46.2	39.8	33.5	27.7	23.3	19.2	15.1	11.7	8.7
102.5°	60.0	52.6	45.8	40.0	34.4	28.4	24.1	19.8	16.0	12.8	10.0
105°	58.3	51.6	45.3	39.8	34.6	29.1	24.6	20.7	17.0	13.9	11.3
107.5°	57.0	50.7	44.8	39.5	34.6	29.9	25.1	21.7	18.2	15.1	12.5
110°	55.7	49.7	44.3	39.3	34.5	30.4	26.1	22.4	19.5	16.1	13.1



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	54.4	48.8	43.7	39.0	34.6	30.5	27.1	23.3	20.1	17.0	14.0
115°	53.0	47.6	42.9	38.6	34.7	30.7	27.2	23.9	20.5	17.6	14.8
117.5°	51.4	46.3	41.8	37.9	34.3	30.8	27.1	23.9	20.9	18.0	15.4
120°	49.4	44.7	40.6	36.8	33.5	30.3	27.2	24.0	21.1	18.2	15.7
122.5°	46.9	42.6	39.2	35.9	32.7	29.6	26.7	23.9	21.1	18.5	15.9
125°	44.4	41.2	38.1	35.1	31.9	28.9	26.0	23.3	20.8	18.3	16.0
127.5°	42.6	39.9	36.9	34.0	31.2	28.3	25.3	22.7	20.1	17.7	15.5
130°	41.0	38.3	35.6	32.9	30.2	27.6	25.0	22.2	19.4	17.1	15.0
132.5°	39.4	36.8	34.3	31.7	29.1	26.6	24.2	21.8	19.3	16.9	14.7
135°	37.9	35.4	33.0	30.6	28.0	25.5	23.1	20.9	18.8	16.8	14.8
137.5°	36.4	34.0	31.6	29.3	27.1	24.7	22.2	20.0	18.1	16.1	14.2
140°	34.8	32.6	30.4	28.1	25.8	23.7	21.8	19.7	17.6	15.6	13.7
142.5°	33.1	31.0	29.1	27.2	25.0	22.8	20.8	19.0	17.2	15.4	13.5
145°	31.3	29.3	27.5	25.7	23.9	22.1	20.2	18.3	16.4	14.6	12.9
147.5°	29.8	27.7	25.8	24.2	22.5	20.8	19.1	17.4	15.7	14.0	12.3
150°	27.9	26.4	24.6	22.8	21.1	19.5	17.9	16.3	14.7	13.1	11.5
152.5°	26.0	24.5	23.1	21.6	20.1	18.5	16.9	15.3	13.7	12.2	10.7
155°	23.9	22.6	21.3	20.0	18.6	17.2	15.9	14.5	13.0	11.5	10.1
157.5°	21.5	20.5	19.5	18.2	17.0	15.8	14.5	13.2	11.9	10.6	9.3
160°	19.1	18.1	17.2	16.2	15.2	14.2	13.1	12.0	10.8	9.6	8.5
162.5°	17.0	16.1	15.2	14.2	13.3	12.3	11.4	10.5	9.5	8.5	7.5
165°	14.8	14.0	13.2	12.4	11.6	10.8	9.9	9.0	8.2	7.3	6.4
167.5°	12.4	11.8	11.2	10.5	9.8	9.1	8.4	7.7	7.0	6.2	5.4
170°	9.9	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4
172.5°	7.4	7.1	6.7	6.3	5.9	5.5	5.1	4.6	4.2	3.8	3.3
175°	4.9	4.6	4.4	4.1	3.9	3.6	3.4	3.1	2.8	2.5	2.2
177.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.7	1.6	1.4	1.3	1.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
5°	1.9	1.6	1.3	1.0	0.6	0.3	0.0	0.3	0.6	1.0	1.3
7.5°	2.8	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
10°	3.8	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
12.5°	4.7	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
15°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
17.5°	6.4	5.4	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
20°	7.3	6.1	4.9	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.9
22.5°	8.0	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
25°	8.6	7.2	5.7	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.7
27.5°	9.2	7.7	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
30°	9.9	8.2	6.6	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.6
32.5°	10.6	8.9	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7	7.3
35°	11.2	9.5	7.8	6.1	4.3	2.6	0.9	2.6	4.3	6.1	7.8
37.5°	11.6	9.7	7.9	6.2	4.4	2.6	0.9	2.6	4.4	6.2	7.9
40°	11.8	10.0	8.2	6.4	4.5	2.7	0.9	2.7	4.5	6.4	8.2
42.5°	12.3	10.4	8.5	6.6	4.7	2.8	0.9	2.8	4.7	6.6	8.5
45°	12.6	10.5	8.5	6.6	4.7	2.8	0.9	2.8	4.7	6.6	8.5
47.5°	12.6	10.6	8.6	6.7	4.8	2.8	0.9	2.8	4.8	6.7	8.6
50°	13.0	10.9	8.9	6.9	4.9	2.9	0.9	2.9	4.9	6.9	8.9
52.5°	13.4	11.3	9.2	7.1	5.0	3.0	0.9	3.0	5.0	7.1	9.2
55°	13.8	11.4	9.1	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.1
57.5°	13.4	11.1	9.0	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.0
60°	13.4	11.3	8.9	6.7	4.7	2.8	0.9	2.8	4.7	6.7	8.9
62.5°	13.0	10.6	8.4	6.3	4.4	2.6	0.9	2.6	4.4	6.3	8.4
65°	12.2	9.9	7.7	5.7	4.0	2.4	0.9	2.4	4.0	5.7	7.7
67.5°	11.3	9.0	7.0	5.3	3.8	2.3	0.9	2.3	3.8	5.3	7.0
70°	10.5	8.4	6.7	5.2	3.7	2.3	0.9	2.3	3.7	5.2	6.7
72.5°	9.9	7.7	6.1	4.6	3.0	1.9	0.9	1.9	3.0	4.6	6.1
75°	9.0	6.9	5.1	3.6	2.5	1.7	0.9	1.7	2.5	3.6	5.1
77.5°	7.7	6.2	4.4	2.7	1.0	0.2	0.0	0.2	1.0	2.7	4.4
80°	6.3	4.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
82.5°	4.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	6.3	4.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
102.5°	7.7	6.2	4.4	2.7	1.0	0.2	0.0	0.2	1.0	2.7	4.4
105°	9.0	6.9	5.1	3.6	2.5	1.7	0.9	1.7	2.5	3.6	5.1
107.5°	9.9	7.7	6.1	4.6	3.0	1.9	0.9	1.9	3.0	4.6	6.1
110°	10.5	8.4	6.7	5.2	3.7	2.3	0.9	2.3	3.7	5.2	6.7



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	11.3	9.0	7.0	5.3	3.8	2.3	0.9	2.3	3.8	5.3	7.0
115°	12.2	9.9	7.7	5.7	4.0	2.4	0.9	2.4	4.0	5.7	7.7
117.5°	13.0	10.6	8.4	6.3	4.4	2.6	0.9	2.6	4.4	6.3	8.4
120°	13.4	11.3	8.9	6.7	4.7	2.8	0.9	2.8	4.7	6.7	8.9
122.5°	13.4	11.1	9.0	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.0
125°	13.8	11.4	9.1	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.1
127.5°	13.4	11.3	9.2	7.1	5.0	3.0	0.9	3.0	5.0	7.1	9.2
130°	13.0	10.9	8.9	6.9	4.9	2.9	0.9	2.9	4.9	6.9	8.9
132.5°	12.6	10.6	8.6	6.7	4.8	2.8	0.9	2.8	4.8	6.7	8.6
135°	12.6	10.5	8.5	6.6	4.7	2.8	0.9	2.8	4.7	6.6	8.5
137.5°	12.3	10.4	8.5	6.6	4.7	2.8	0.9	2.8	4.7	6.6	8.5
140°	11.8	10.0	8.2	6.4	4.5	2.7	0.9	2.7	4.5	6.4	8.2
142.5°	11.6	9.7	7.9	6.2	4.4	2.6	0.9	2.6	4.4	6.2	7.9
145°	11.2	9.5	7.8	6.1	4.3	2.6	0.9	2.6	4.3	6.1	7.8
147.5°	10.6	8.9	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7	7.3
150°	9.9	8.2	6.6	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.6
152.5°	9.2	7.7	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
155°	8.6	7.2	5.7	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.7
157.5°	8.0	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
160°	7.3	6.1	4.9	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.9
162.5°	6.4	5.4	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
165°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
167.5°	4.7	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
170°	3.8	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
172.5°	2.8	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
175°	1.9	1.6	1.3	1.0	0.6	0.3	0.0	0.3	0.6	1.0	1.3
177.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.8	0.9	1.1	1.3	1.4	1.6	1.7	1.9	2.1	2.2	2.4
5°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.6	3.9	4.1	4.4
7.5°	2.4	2.8	3.3	3.8	4.2	4.6	5.1	5.5	5.9	6.3	6.7
10°	3.2	3.8	4.4	5.0	5.6	6.2	6.8	7.3	7.9	8.4	8.9
12.5°	3.9	4.7	5.4	6.2	7.0	7.7	8.4	9.1	9.8	10.5	11.2
15°	4.6	5.5	6.4	7.3	8.2	9.0	9.9	10.8	11.6	12.4	13.2
17.5°	5.4	6.4	7.5	8.5	9.5	10.5	11.4	12.3	13.3	14.2	15.2
20°	6.1	7.3	8.5	9.6	10.8	12.0	13.1	14.2	15.2	16.2	17.2
22.5°	6.7	8.0	9.3	10.6	11.9	13.2	14.5	15.8	17.0	18.2	19.5
25°	7.2	8.6	10.1	11.5	13.0	14.5	15.9	17.2	18.6	20.0	21.3
27.5°	7.7	9.2	10.7	12.2	13.7	15.3	16.9	18.5	20.1	21.6	23.1
30°	8.2	9.9	11.5	13.1	14.7	16.3	17.9	19.5	21.1	22.8	24.6
32.5°	8.9	10.6	12.3	14.0	15.7	17.4	19.1	20.8	22.5	24.2	25.8
35°	9.5	11.2	12.9	14.6	16.4	18.3	20.2	22.1	23.9	25.7	27.5
37.5°	9.7	11.6	13.5	15.4	17.2	19.0	20.8	22.8	25.0	27.2	29.1
40°	10.0	11.8	13.7	15.6	17.6	19.7	21.8	23.7	25.8	28.1	30.4
42.5°	10.4	12.3	14.2	16.1	18.1	20.0	22.2	24.7	27.1	29.3	31.6
45°	10.5	12.6	14.8	16.8	18.8	20.9	23.1	25.5	28.0	30.6	33.0
47.5°	10.6	12.6	14.7	16.9	19.3	21.8	24.2	26.6	29.1	31.7	34.3
50°	10.9	13.0	15.0	17.1	19.4	22.2	25.0	27.6	30.2	32.9	35.6
52.5°	11.3	13.4	15.5	17.7	20.1	22.7	25.3	28.3	31.2	34.0	36.9
55°	11.4	13.8	16.0	18.3	20.8	23.3	26.0	28.9	31.9	35.1	38.1
57.5°	11.1	13.4	15.9	18.5	21.1	23.9	26.7	29.6	32.7	35.9	39.2
60°	11.3	13.4	15.7	18.2	21.1	24.0	27.2	30.3	33.5	36.8	40.6
62.5°	10.6	13.0	15.4	18.0	20.9	23.9	27.1	30.8	34.3	37.9	41.8
65°	9.9	12.2	14.8	17.6	20.5	23.9	27.2	30.7	34.7	38.6	42.9
67.5°	9.0	11.3	14.0	17.0	20.1	23.3	27.1	30.5	34.6	39.0	43.7
70°	8.4	10.5	13.1	16.1	19.5	22.4	26.1	30.4	34.5	39.3	44.3
72.5°	7.7	9.9	12.5	15.1	18.2	21.7	25.1	29.9	34.6	39.5	44.8
75°	6.9	9.0	11.3	13.9	17.0	20.7	24.6	29.1	34.6	39.8	45.3
77.5°	6.2	7.7	10.0	12.8	16.0	19.8	24.1	28.4	34.4	40.0	45.8
80°	4.7	6.3	8.7	11.7	15.1	19.2	23.3	27.7	33.5	39.8	46.2
82.5°	2.8	4.7	7.4	10.9	14.3	17.9	22.1	26.9	32.7	39.6	46.7
85°	1.0	4.0	7.2	10.6	13.8	17.1	21.2	26.2	32.3	39.7	47.3
87.5°	0.4	4.5	7.8	10.8	13.8	16.8	20.6	25.7	32.3	40.0	48.3
90°	0.0	5.3	8.9	11.5	14.2	16.8	20.4	25.7	32.8	40.8	49.6
92.5°	0.4	4.5	7.8	10.8	13.8	16.8	20.6	25.7	32.3	40.0	48.3
95°	1.0	4.0	7.2	10.6	13.8	17.1	21.2	26.2	32.3	39.7	47.3
97.5°	2.8	4.7	7.4	10.9	14.3	17.9	22.1	26.9	32.7	39.6	46.7
100°	4.7	6.3	8.7	11.7	15.1	19.2	23.3	27.7	33.5	39.8	46.2
102.5°	6.2	7.7	10.0	12.8	16.0	19.8	24.1	28.4	34.4	40.0	45.8
105°	6.9	9.0	11.3	13.9	17.0	20.7	24.6	29.1	34.6	39.8	45.3
107.5°	7.7	9.9	12.5	15.1	18.2	21.7	25.1	29.9	34.6	39.5	44.8
110°	8.4	10.5	13.1	16.1	19.5	22.4	26.1	30.4	34.5	39.3	44.3



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	9.0	11.3	14.0	17.0	20.1	23.3	27.1	30.5	34.6	39.0	43.7
115°	9.9	12.2	14.8	17.6	20.5	23.9	27.2	30.7	34.7	38.6	42.9
117.5°	10.6	13.0	15.4	18.0	20.9	23.9	27.1	30.8	34.3	37.9	41.8
120°	11.3	13.4	15.7	18.2	21.1	24.0	27.2	30.3	33.5	36.8	40.6
122.5°	11.1	13.4	15.9	18.5	21.1	23.9	26.7	29.6	32.7	35.9	39.2
125°	11.4	13.8	16.0	18.3	20.8	23.3	26.0	28.9	31.9	35.1	38.1
127.5°	11.3	13.4	15.5	17.7	20.1	22.7	25.3	28.3	31.2	34.0	36.9
130°	10.9	13.0	15.0	17.1	19.4	22.2	25.0	27.6	30.2	32.9	35.6
132.5°	10.6	12.6	14.7	16.9	19.3	21.8	24.2	26.6	29.1	31.7	34.3
135°	10.5	12.6	14.8	16.8	18.8	20.9	23.1	25.5	28.0	30.6	33.0
137.5°	10.4	12.3	14.2	16.1	18.1	20.0	22.2	24.7	27.1	29.3	31.6
140°	10.0	11.8	13.7	15.6	17.6	19.7	21.8	23.7	25.8	28.1	30.4
142.5°	9.7	11.6	13.5	15.4	17.2	19.0	20.8	22.8	25.0	27.2	29.1
145°	9.5	11.2	12.9	14.6	16.4	18.3	20.2	22.1	23.9	25.7	27.5
147.5°	8.9	10.6	12.3	14.0	15.7	17.4	19.1	20.8	22.5	24.2	25.8
150°	8.2	9.9	11.5	13.1	14.7	16.3	17.9	19.5	21.1	22.8	24.6
152.5°	7.7	9.2	10.7	12.2	13.7	15.3	16.9	18.5	20.1	21.6	23.1
155°	7.2	8.6	10.1	11.5	13.0	14.5	15.9	17.2	18.6	20.0	21.3
157.5°	6.7	8.0	9.3	10.6	11.9	13.2	14.5	15.8	17.0	18.2	19.5
160°	6.1	7.3	8.5	9.6	10.8	12.0	13.1	14.2	15.2	16.2	17.2
162.5°	5.4	6.4	7.5	8.5	9.5	10.5	11.4	12.3	13.3	14.2	15.2
165°	4.6	5.5	6.4	7.3	8.2	9.0	9.9	10.8	11.6	12.4	13.2
167.5°	3.9	4.7	5.4	6.2	7.0	7.7	8.4	9.1	9.8	10.5	11.2
170°	3.2	3.8	4.4	5.0	5.6	6.2	6.8	7.3	7.9	8.4	8.9
172.5°	2.4	2.8	3.3	3.8	4.2	4.6	5.1	5.5	5.9	6.3	6.7
175°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.6	3.9	4.1	4.4
177.5°	0.8	0.9	1.1	1.3	1.4	1.6	1.7	1.9	2.1	2.2	2.4
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: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.5	2.6	2.8	2.9	3.1	3.2	3.3	3.4	3.6	3.7	3.8
5°	4.6	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.4	6.6
7.5°	7.1	7.4	7.8	8.1	8.4	8.7	8.9	9.1	9.4	9.5	9.7
10°	9.4	9.9	10.4	10.8	11.2	11.6	12.0	12.3	12.7	12.9	13.1
12.5°	11.8	12.4	13.0	13.5	14.1	14.5	15.0	15.4	15.8	16.2	16.6
15°	14.0	14.8	15.5	16.3	16.9	17.5	18.0	18.6	19.0	19.5	19.9
17.5°	16.1	17.0	17.9	18.7	19.5	20.3	21.1	21.7	22.3	22.8	23.2
20°	18.1	19.1	20.1	21.1	22.0	23.0	23.9	24.7	25.5	26.1	26.6
22.5°	20.5	21.5	22.5	23.4	24.5	25.5	26.5	27.5	28.4	29.4	30.0
25°	22.6	23.9	25.1	26.1	27.1	28.0	29.1	30.2	31.3	32.3	34.3
27.5°	24.5	26.0	27.3	28.7	30.0	30.9	32.5	34.6	37.0	39.6	42.4
30°	26.4	27.9	29.5	31.2	33.2	35.3	37.5	39.7	42.5	45.7	49.2
32.5°	27.7	29.8	31.9	33.9	36.0	38.5	41.2	44.1	47.1	50.7	55.0
35°	29.3	31.3	33.6	36.1	38.5	41.0	44.0	47.4	51.1	55.0	59.9
37.5°	31.0	33.1	35.2	37.7	40.5	43.3	46.3	50.0	54.2	58.8	63.8
40°	32.6	34.8	36.9	39.3	42.0	45.2	48.5	51.9	56.6	61.8	67.6
42.5°	34.0	36.4	38.6	41.0	43.6	46.7	50.3	54.1	58.5	64.3	70.8
45°	35.4	37.9	40.3	42.8	45.4	48.3	51.9	56.0	60.5	66.3	73.4
47.5°	36.8	39.4	42.0	44.5	47.1	50.1	53.3	57.7	62.5	67.8	75.7
50°	38.3	41.0	43.8	46.3	48.9	51.8	55.2	59.6	65.9	71.9	78.8
52.5°	39.9	42.6	45.4	48.4	50.9	55.5	60.9	66.7	72.6	78.1	83.2
55°	41.2	44.4	47.3	51.9	56.8	61.9	67.8	74.1	80.1	85.2	89.0
57.5°	42.6	46.9	51.4	56.1	62.0	68.0	74.4	81.2	88.0	92.8	96.0
60°	44.7	49.4	54.7	60.1	66.4	73.4	80.6	88.2	95.6	100.9	103.7
62.5°	46.3	51.4	57.3	63.6	70.2	78.2	86.4	94.8	103.0	109.4	112.1
65°	47.6	53.0	59.3	66.5	73.8	82.4	91.7	101.1	110.3	118.3	121.0
67.5°	48.8	54.4	61.2	68.9	77.2	86.3	96.7	107.2	117.6	126.8	129.7
70°	49.7	55.7	62.8	71.1	80.3	89.9	101.4	113.1	124.4	134.0	136.2
72.5°	50.7	57.0	64.2	73.1	83.2	93.2	104.3	115.6	125.4	133.0	135.3
75°	51.6	58.3	66.0	75.1	85.2	95.4	106.1	117.1	126.4	132.7	134.6
77.5°	52.6	60.0	68.1	77.3	87.6	98.0	108.4	119.1	128.1	133.1	134.1
80°	53.6	61.7	70.2	79.8	90.3	100.9	111.1	121.6	130.4	134.0	133.9
82.5°	54.6	63.6	72.6	82.6	93.3	104.2	114.3	124.4	133.1	135.2	133.7
85°	55.8	65.7	75.2	85.7	96.7	107.8	117.8	127.5	136.1	136.8	133.5
87.5°	57.4	68.1	78.1	89.2	100.4	111.8	121.7	131.0	139.4	138.4	133.3
90°	59.4	70.9	81.5	93.1	104.6	116.1	125.9	134.7	142.7	140.0	132.9
92.5°	57.4	68.1	78.1	89.2	100.4	111.8	121.7	131.0	139.4	138.4	133.3
95°	55.8	65.7	75.2	85.7	96.7	107.8	117.8	127.5	136.1	136.8	133.5
97.5°	54.6	63.6	72.6	82.6	93.3	104.2	114.3	124.4	133.1	135.2	133.7
100°	53.6	61.7	70.2	79.8	90.3	100.9	111.1	121.6	130.4	134.0	133.9
102.5°	52.6	60.0	68.1	77.3	87.6	98.0	108.4	119.1	128.1	133.1	134.1
105°	51.6	58.3	66.0	75.1	85.2	95.4	106.1	117.1	126.4	132.7	134.6
107.5°	50.7	57.0	64.2	73.1	83.2	93.2	104.3	115.6	125.4	133.0	135.3
110°	49.7	55.7	62.8	71.1	80.3	89.9	101.4	113.1	124.4	134.0	136.2



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	48.8	54.4	61.2	68.9	77.2	86.3	96.7	107.2	117.6	126.8	129.7
115°	47.6	53.0	59.3	66.5	73.8	82.4	91.7	101.1	110.3	118.3	121.0
117.5°	46.3	51.4	57.3	63.6	70.2	78.2	86.4	94.8	103.0	109.4	112.1
120°	44.7	49.4	54.7	60.1	66.4	73.4	80.6	88.2	95.6	100.9	103.7
122.5°	42.6	46.9	51.4	56.1	62.0	68.0	74.4	81.2	88.0	92.8	96.0
125°	41.2	44.4	47.3	51.9	56.8	61.9	67.8	74.1	80.1	85.2	89.0
127.5°	39.9	42.6	45.4	48.4	50.9	55.5	60.9	66.7	72.6	78.1	83.2
130°	38.3	41.0	43.8	46.3	48.9	51.8	55.2	59.6	65.9	71.9	78.8
132.5°	36.8	39.4	42.0	44.5	47.1	50.1	53.3	57.7	62.5	67.8	75.7
135°	35.4	37.9	40.3	42.8	45.4	48.3	51.9	56.0	60.5	66.3	73.4
137.5°	34.0	36.4	38.6	41.0	43.6	46.7	50.3	54.1	58.5	64.3	70.8
140°	32.6	34.8	36.9	39.3	42.0	45.2	48.5	51.9	56.6	61.8	67.6
142.5°	31.0	33.1	35.2	37.7	40.5	43.3	46.3	50.0	54.2	58.8	63.8
145°	29.3	31.3	33.6	36.1	38.5	41.0	44.0	47.4	51.1	55.0	59.9
147.5°	27.7	29.8	31.9	33.9	36.0	38.5	41.2	44.1	47.1	50.7	55.0
150°	26.4	27.9	29.5	31.2	33.2	35.3	37.5	39.7	42.5	45.7	49.2
152.5°	24.5	26.0	27.3	28.7	30.0	30.9	32.5	34.6	37.0	39.6	42.4
155°	22.6	23.9	25.1	26.1	27.1	28.0	29.1	30.2	31.3	32.3	34.3
157.5°	20.5	21.5	22.5	23.4	24.5	25.5	26.5	27.5	28.4	29.4	30.0
160°	18.1	19.1	20.1	21.1	22.0	23.0	23.9	24.7	25.5	26.1	26.6
162.5°	16.1	17.0	17.9	18.7	19.5	20.3	21.1	21.7	22.3	22.8	23.2
165°	14.0	14.8	15.5	16.3	16.9	17.5	18.0	18.6	19.0	19.5	19.9
167.5°	11.8	12.4	13.0	13.5	14.1	14.5	15.0	15.4	15.8	16.2	16.6
170°	9.4	9.9	10.4	10.8	11.2	11.6	12.0	12.3	12.7	12.9	13.1
172.5°	7.1	7.4	7.8	8.1	8.4	8.7	8.9	9.1	9.4	9.5	9.7
175°	4.6	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.4	6.6
177.5°	2.5	2.6	2.8	2.9	3.1	3.2	3.3	3.4	3.6	3.7	3.8
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: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	5.0
5°	6.8	7.0	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.2	9.1
7.5°	9.9	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.7	11.8	13.2
10°	13.3	13.5	13.6	13.7	14.0	14.4	14.7	15.0	15.2	15.5	17.2
12.5°	16.8	17.0	17.2	17.3	17.4	17.7	18.1	18.5	18.8	19.1	21.3
15°	20.3	20.6	20.8	20.9	21.0	21.0	21.4	21.9	22.4	22.8	25.3
17.5°	23.7	24.1	24.4	24.5	24.6	24.6	24.8	25.4	25.9	26.4	29.4
20°	27.1	27.5	27.9	28.2	28.3	28.2	28.1	28.8	29.4	30.1	33.4
22.5°	30.5	31.0	31.4	31.8	32.0	31.9	31.8	32.2	33.0	33.7	37.4
25°	36.2	38.0	39.8	41.3	42.6	43.2	43.4	43.7	44.4	44.9	48.7
27.5°	45.4	48.0	50.6	52.8	54.6	55.7	55.7	55.5	55.9	56.1	60.1
30°	53.1	57.1	60.6	64.0	66.3	68.4	68.1	67.5	67.5	67.4	71.4
32.5°	59.7	64.9	69.7	74.3	77.8	80.4	80.6	79.7	79.2	78.6	82.6
35°	65.4	71.6	78.1	83.8	88.9	92.2	93.3	92.0	90.9	89.8	93.9
37.5°	70.4	77.5	85.4	92.8	100.0	103.8	106.0	104.3	102.7	101.0	105.0
40°	74.6	82.6	91.8	101.1	109.4	115.2	118.8	116.7	114.5	112.3	116.2
42.5°	77.9	87.3	97.5	109.2	118.7	126.4	131.7	129.2	126.4	123.5	127.3
45°	81.5	91.3	102.6	115.5	127.4	137.5	143.3	141.7	138.3	134.7	138.3
47.5°	84.4	93.7	104.7	117.1	129.1	139.7	145.8	146.4	145.2	144.7	151.8
50°	86.1	93.9	104.2	116.0	128.3	139.6	147.1	150.3	151.7	154.8	165.5
52.5°	88.9	95.6	104.4	115.2	127.6	139.2	148.3	153.9	158.0	164.8	179.4
55°	93.2	98.2	105.1	114.9	127.1	138.9	149.3	157.2	164.0	174.9	193.6
57.5°	98.6	101.5	106.3	115.1	126.9	138.8	150.2	160.2	169.8	184.9	207.9
60°	104.8	105.6	108.3	116.1	126.9	138.8	150.9	162.9	175.5	195.0	222.5
62.5°	112.0	110.6	111.6	117.5	127.3	138.9	151.6	165.4	181.0	205.0	237.1
65°	119.7	116.6	115.4	119.3	127.9	139.2	152.3	167.7	186.3	215.1	251.9
67.5°	127.9	123.2	119.7	121.3	128.7	139.5	152.9	169.9	191.5	225.1	266.7
70°	132.8	126.4	121.1	121.3	127.9	138.3	151.4	168.5	190.2	223.4	266.0
72.5°	131.7	125.5	120.6	120.5	126.8	136.9	149.8	167.1	188.8	221.8	265.1
75°	130.6	124.4	119.8	119.7	125.8	135.6	148.4	165.8	187.6	220.1	265.6
77.5°	129.6	123.0	118.9	118.9	125.0	134.5	147.0	164.5	186.4	218.4	264.0
80°	128.5	121.3	117.9	118.3	124.2	133.4	145.8	163.3	185.3	216.8	262.4
82.5°	127.3	119.5	116.9	117.6	123.6	132.5	144.6	162.3	184.3	215.1	260.8
85°	126.1	117.5	115.7	117.0	123.1	131.7	143.6	161.3	183.4	213.4	259.3
87.5°	124.7	115.5	114.6	116.5	122.6	130.9	142.6	160.3	182.5	211.8	257.7
90°	123.2	113.4	113.4	116.1	122.3	130.3	141.8	159.5	181.7	210.1	256.1
92.5°	124.7	115.5	114.6	116.5	122.6	130.9	142.6	160.3	182.5	211.8	257.7
95°	126.1	117.5	115.7	117.0	123.1	131.7	143.6	161.3	183.4	213.4	259.3
97.5°	127.3	119.5	116.9	117.6	123.6	132.5	144.6	162.3	184.3	215.1	260.8
100°	128.5	121.3	117.9	118.3	124.2	133.4	145.8	163.3	185.3	216.8	262.4
102.5°	129.6	123.0	118.9	118.9	125.0	134.5	147.0	164.5	186.4	218.4	264.0
105°	130.6	124.4	119.8	119.7	125.8	135.6	148.4	165.8	187.6	220.1	265.6
107.5°	131.7	125.5	120.6	120.5	126.8	136.9	149.8	167.1	188.8	221.8	265.1
110°	132.8	126.4	121.1	121.3	127.9	138.3	151.4	168.5	190.2	223.4	266.0



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	127.9	123.2	119.7	121.3	128.7	139.5	152.9	169.9	191.5	225.1	266.7
115°	119.7	116.6	115.4	119.3	127.9	139.2	152.3	167.7	186.3	215.1	251.9
117.5°	112.0	110.6	111.6	117.5	127.3	138.9	151.6	165.4	181.0	205.0	237.1
120°	104.8	105.6	108.3	116.1	126.9	138.8	150.9	162.9	175.5	195.0	222.5
122.5°	98.6	101.5	106.3	115.1	126.9	138.8	150.2	160.2	169.8	184.9	207.9
125°	93.2	98.2	105.1	114.9	127.1	138.9	149.3	157.2	164.0	174.9	193.6
127.5°	88.9	95.6	104.4	115.2	127.6	139.2	148.3	153.9	158.0	164.8	179.4
130°	86.1	93.9	104.2	116.0	128.3	139.6	147.1	150.3	151.7	154.8	165.5
132.5°	84.4	93.7	104.7	117.1	129.1	139.7	145.8	146.4	145.2	144.7	151.8
135°	81.5	91.3	102.6	115.5	127.4	137.5	143.3	141.7	138.3	134.7	138.3
137.5°	77.9	87.3	97.5	109.2	118.7	126.4	131.7	129.2	126.4	123.5	127.3
140°	74.6	82.6	91.8	101.1	109.4	115.2	118.8	116.7	114.5	112.3	116.2
142.5°	70.4	77.5	85.4	92.8	100.0	103.8	106.0	104.3	102.7	101.0	105.0
145°	65.4	71.6	78.1	83.8	88.9	92.2	93.3	92.0	90.9	89.8	93.9
147.5°	59.7	64.9	69.7	74.3	77.8	80.4	80.6	79.7	79.2	78.6	82.6
150°	53.1	57.1	60.6	64.0	66.3	68.4	68.1	67.5	67.5	67.4	71.4
152.5°	45.4	48.0	50.6	52.8	54.6	55.7	55.7	55.5	55.9	56.1	60.1
155°	36.2	38.0	39.8	41.3	42.6	43.2	43.4	43.7	44.4	44.9	48.7
157.5°	30.5	31.0	31.4	31.8	32.0	31.9	31.8	32.2	33.0	33.7	37.4
160°	27.1	27.5	27.9	28.2	28.3	28.2	28.1	28.8	29.4	30.1	33.4
162.5°	23.7	24.1	24.4	24.5	24.6	24.6	24.8	25.4	25.9	26.4	29.4
165°	20.3	20.6	20.8	20.9	21.0	21.0	21.4	21.9	22.4	22.8	25.3
167.5°	16.8	17.0	17.2	17.3	17.4	17.7	18.1	18.5	18.8	19.1	21.3
170°	13.3	13.5	13.6	13.7	14.0	14.4	14.7	15.0	15.2	15.5	17.2
172.5°	9.9	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.7	11.8	13.2
175°	6.8	7.0	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.2	9.1
177.5°	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	5.0
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: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	5.4	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.6	9.0	9.3
5°	10.0	10.8	11.7	12.5	13.3	14.1	14.9	15.6	16.3	17.0	17.6
7.5°	14.5	15.8	17.0	18.3	19.4	20.6	21.8	23.4	24.8	26.3	27.6
10°	19.0	20.7	22.3	23.9	25.6	27.8	29.8	31.9	33.8	35.7	37.7
12.5°	23.4	25.5	27.6	29.8	32.5	35.2	37.8	40.3	42.9	45.7	48.5
15°	27.9	30.3	32.9	36.2	39.4	42.5	45.6	49.0	52.3	55.5	59.1
17.5°	32.3	35.1	38.6	42.4	46.1	49.8	53.6	57.3	61.0	64.4	67.7
20°	36.7	39.9	44.3	48.6	52.8	56.9	61.0	65.1	69.0	72.8	76.5
22.5°	41.0	45.1	49.9	54.7	59.2	63.6	67.9	72.4	76.7	80.9	84.9
25°	52.3	56.8	61.6	66.2	70.2	74.1	78.0	81.8	85.3	88.1	92.2
27.5°	63.8	68.9	74.0	78.7	83.1	87.3	91.4	95.2	98.3	101.2	104.2
30°	75.2	80.9	86.5	91.2	96.1	100.1	104.3	107.7	110.8	114.0	117.2
32.5°	86.8	92.8	98.4	103.5	108.2	112.6	116.4	119.8	123.0	126.3	130.4
35°	98.4	104.6	110.3	115.6	120.3	124.9	128.1	131.4	134.7	138.5	143.7
37.5°	109.9	116.3	122.2	127.5	132.0	136.0	139.4	142.7	146.1	151.0	156.7
40°	121.3	128.0	133.8	139.1	143.4	147.1	150.4	153.4	157.5	162.8	170.6
42.5°	132.7	139.5	145.4	150.4	154.5	157.8	160.9	163.7	168.8	175.4	184.0
45°	144.0	150.8	156.9	161.4	165.1	168.3	170.9	174.4	179.4	188.0	197.4
47.5°	161.3	171.4	179.8	183.7	185.2	185.3	185.1	186.2	191.0	200.5	210.5
50°	179.4	193.7	205.6	210.8	211.0	210.6	211.1	213.1	217.2	222.4	228.5
52.5°	198.1	216.7	231.5	238.3	236.1	236.0	237.7	240.4	244.9	249.9	255.9
55°	217.3	240.5	257.7	265.0	260.6	261.6	264.4	267.9	271.9	276.2	281.7
57.5°	236.9	264.8	284.2	290.6	285.0	287.3	291.2	294.8	298.1	301.5	306.3
60°	256.9	289.6	311.0	315.8	310.3	313.2	318.1	321.1	323.3	325.7	328.5
62.5°	277.2	314.9	338.0	340.7	335.6	339.6	344.8	346.9	347.7	348.7	349.4
65°	297.7	340.6	365.1	365.2	361.0	366.0	370.9	372.0	371.2	370.6	368.9
67.5°	318.5	366.6	392.4	389.4	386.5	392.4	396.7	396.3	394.0	391.3	387.1
70°	318.6	369.0	399.7	401.5	402.4	408.6	413.1	413.7	412.4	409.8	404.2
72.5°	317.7	369.4	404.8	412.0	414.2	418.1	420.5	420.4	418.6	415.3	411.0
75°	316.6	369.6	410.3	423.5	425.7	427.0	427.7	427.1	424.7	420.8	416.9
77.5°	315.2	369.6	416.1	435.9	436.8	435.3	434.8	433.7	430.8	426.4	423.1
80°	315.2	369.3	422.0	448.9	447.6	443.2	441.7	440.4	436.8	432.0	429.5
82.5°	312.6	370.2	429.9	462.3	458.3	450.8	448.5	447.0	442.7	437.8	436.1
85°	310.0	368.6	434.6	476.7	468.7	458.0	455.2	453.7	448.7	443.6	442.8
87.5°	307.5	366.9	439.3	489.6	479.4	465.7	462.0	460.4	454.7	449.5	449.6
90°	304.9	365.2	444.0	502.5	490.1	473.3	468.8	467.1	460.9	455.6	456.4
92.5°	307.5	366.9	439.3	489.6	479.4	465.7	462.0	460.4	454.7	449.5	449.6
95°	310.0	368.6	434.6	476.7	468.7	458.0	455.2	453.7	448.7	443.6	442.8
97.5°	312.6	370.2	429.9	462.3	458.3	450.8	448.5	447.0	442.7	437.8	436.1
100°	315.2	369.3	422.0	448.9	447.6	443.2	441.7	440.4	436.8	432.0	429.5
102.5°	315.2	369.6	416.1	435.9	436.8	435.3	434.8	433.7	430.8	426.4	423.1
105°	316.6	369.6	410.3	423.5	425.7	427.0	427.7	427.1	424.7	420.8	416.9
107.5°	317.7	369.4	404.8	412.0	414.2	418.1	420.5	420.4	418.6	415.3	411.0
110°	318.6	369.0	399.7	401.5	402.4	408.6	413.1	413.7	412.4	409.8	404.2



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	318.5	366.6	392.4	389.4	386.5	392.4	396.7	396.3	394.0	391.3	387.1
115°	297.7	340.6	365.1	365.2	361.0	366.0	370.9	372.0	371.2	370.6	368.9
117.5°	277.2	314.9	338.0	340.7	335.6	339.6	344.8	346.9	347.7	348.7	349.4
120°	256.9	289.6	311.0	315.8	310.3	313.2	318.1	321.1	323.3	325.7	328.5
122.5°	236.9	264.8	284.2	290.6	285.0	287.3	291.2	294.8	298.1	301.5	306.3
125°	217.3	240.5	257.7	265.0	260.6	261.6	264.4	267.9	271.9	276.2	281.7
127.5°	198.1	216.7	231.5	238.3	236.1	236.0	237.7	240.4	244.9	249.9	255.9
130°	179.4	193.7	205.6	210.8	211.0	210.6	211.1	213.1	217.2	222.4	228.5
132.5°	161.3	171.4	179.8	183.7	185.2	185.3	185.1	186.2	191.0	200.5	210.5
135°	144.0	150.8	156.9	161.4	165.1	168.3	170.9	174.4	179.4	188.0	197.4
137.5°	132.7	139.5	145.4	150.4	154.5	157.8	160.9	163.7	168.8	175.4	184.0
140°	121.3	128.0	133.8	139.1	143.4	147.1	150.4	153.4	157.5	162.8	170.6
142.5°	109.9	116.3	122.2	127.5	132.0	136.0	139.4	142.7	146.1	151.0	156.7
145°	98.4	104.6	110.3	115.6	120.3	124.9	128.1	131.4	134.7	138.5	143.7
147.5°	86.8	92.8	98.4	103.5	108.2	112.6	116.4	119.8	123.0	126.3	130.4
150°	75.2	80.9	86.5	91.2	96.1	100.1	104.3	107.7	110.8	114.0	117.2
152.5°	63.8	68.9	74.0	78.7	83.1	87.3	91.4	95.2	98.3	101.2	104.2
155°	52.3	56.8	61.6	66.2	70.2	74.1	78.0	81.8	85.3	88.1	92.2
157.5°	41.0	45.1	49.9	54.7	59.2	63.6	67.9	72.4	76.7	80.9	84.9
160°	36.7	39.9	44.3	48.6	52.8	56.9	61.0	65.1	69.0	72.8	76.5
162.5°	32.3	35.1	38.6	42.4	46.1	49.8	53.6	57.3	61.0	64.4	67.7
165°	27.9	30.3	32.9	36.2	39.4	42.5	45.6	49.0	52.3	55.5	59.1
167.5°	23.4	25.5	27.6	29.8	32.5	35.2	37.8	40.3	42.9	45.7	48.5
170°	19.0	20.7	22.3	23.9	25.6	27.8	29.8	31.9	33.8	35.7	37.7
172.5°	14.5	15.8	17.0	18.3	19.4	20.6	21.8	23.4	24.8	26.3	27.6
175°	10.0	10.8	11.7	12.5	13.3	14.1	14.9	15.6	16.3	17.0	17.6
177.5°	5.4	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.6	9.0	9.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	9.6	9.9	10.2	10.5	10.7	10.9	11.1	11.3	11.5	11.6	11.8
5°	18.5	19.4	20.2	20.9	21.7	22.3	23.0	23.5	24.1	24.6	25.0
7.5°	29.0	30.2	31.4	32.6	33.8	35.1	36.4	37.7	38.8	39.9	40.9
10°	39.7	41.9	43.9	45.9	47.8	49.7	51.4	52.9	54.0	55.1	56.1
12.5°	51.1	53.7	56.2	58.2	60.1	61.9	63.6	65.2	66.6	68.4	70.3
15°	61.4	64.0	66.5	68.9	71.3	74.1	76.8	79.4	82.0	84.4	86.8
17.5°	70.8	74.2	77.1	80.5	83.7	87.0	90.1	93.2	96.1	99.0	101.7
20°	80.2	83.9	87.6	91.3	95.0	98.6	102.2	105.6	108.7	111.5	114.1
22.5°	88.8	92.8	97.0	101.1	105.3	109.5	113.5	117.2	120.5	122.9	124.9
25°	96.5	101.0	106.0	110.8	115.8	120.6	125.2	129.1	132.3	135.3	138.4
27.5°	107.2	110.7	115.3	121.3	127.7	133.6	139.4	144.0	148.8	152.7	156.1
30°	121.2	126.0	131.0	137.1	143.0	149.6	156.5	162.5	168.0	172.5	176.7
32.5°	135.5	141.2	147.9	154.7	162.1	169.3	176.5	183.4	189.2	194.2	198.7
35°	149.7	157.1	164.6	172.8	180.9	189.2	197.1	203.9	210.2	216.4	222.8
37.5°	164.6	172.7	181.6	190.6	199.8	208.4	216.2	223.9	231.9	240.2	249.0
40°	179.0	188.5	198.2	208.2	217.8	226.7	235.9	245.0	255.5	266.8	278.6
42.5°	193.7	203.8	214.7	225.2	235.2	245.7	256.0	268.7	282.4	296.2	311.0
45°	207.7	219.2	230.6	241.7	253.2	264.7	278.7	293.0	309.3	327.1	348.3
47.5°	222.0	234.1	246.1	258.5	271.1	285.7	301.1	318.3	338.7	361.4	388.8
50°	236.6	248.6	261.5	275.2	290.1	305.9	323.7	345.1	370.1	399.3	432.1
52.5°	263.1	271.0	280.6	292.1	309.0	326.1	347.1	372.6	403.1	439.3	482.7
55°	287.8	294.8	304.1	315.7	330.1	346.5	370.0	401.0	437.9	483.2	537.1
57.5°	310.5	316.5	325.6	338.3	354.6	375.7	400.1	430.0	475.6	530.8	591.6
60°	331.4	335.9	346.1	361.4	381.2	404.8	431.7	470.7	519.2	576.4	647.2
62.5°	350.7	355.0	365.7	383.7	407.9	433.1	465.2	508.6	564.5	630.2	704.5
65°	368.2	373.3	386.7	407.7	433.6	457.8	496.4	547.5	609.2	680.5	762.5
67.5°	384.1	390.3	407.0	431.8	456.4	484.5	526.1	581.2	649.2	728.1	817.2
70°	400.1	406.7	426.5	455.0	476.3	508.2	554.8	614.8	686.2	769.1	867.7
72.5°	410.9	422.0	445.9	475.5	494.3	529.6	578.8	642.7	717.5	806.5	905.4
75°	419.2	433.5	461.1	490.5	514.3	550.4	601.5	665.8	741.4	836.0	937.7
77.5°	427.2	444.3	476.2	505.5	532.6	571.1	623.8	689.1	767.9	862.0	962.8
80°	435.1	454.3	490.8	520.4	549.0	588.4	641.6	707.3	790.4	886.6	991.8
82.5°	442.7	463.7	504.8	535.0	563.7	602.7	655.3	720.8	806.9	904.6	1013.3
85°	450.2	472.4	517.8	549.0	576.8	614.2	665.3	729.6	817.6	915.9	1027.0
87.5°	457.5	480.6	530.4	562.7	589.1	624.3	673.3	736.1	825.2	923.7	1036.6
90°	464.4	487.5	539.8	574.3	599.1	631.0	676.2	735.6	822.5	919.1	1030.8
92.5°	457.5	480.6	530.4	562.7	589.1	624.3	673.3	736.1	825.2	923.7	1036.6
95°	450.2	472.4	517.8	549.0	576.8	614.2	665.3	729.6	817.6	915.9	1027.0
97.5°	442.7	463.7	504.8	535.0	563.7	602.7	655.3	720.8	806.9	904.6	1013.3
100°	435.1	454.3	490.8	520.4	549.0	588.4	641.6	707.3	790.4	886.6	991.8
102.5°	427.2	444.3	476.2	505.5	532.6	571.1	623.8	689.1	767.9	862.0	962.8
105°	419.2	433.5	461.1	490.5	514.3	550.4	601.5	665.8	741.4	836.0	937.7
107.5°	410.9	422.0	445.9	475.5	494.3	529.6	578.8	642.7	717.5	806.5	905.4
110°	400.1	406.7	426.5	455.0	476.3	508.2	554.8	614.8	686.2	769.1	867.7



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	384.1	390.3	407.0	431.8	456.4	484.5	526.1	581.2	649.2	728.1	817.2
115°	368.2	373.3	386.7	407.7	433.6	457.8	496.4	547.5	609.2	680.5	762.5
117.5°	350.7	355.0	365.7	383.7	407.9	433.1	465.2	508.6	564.5	630.2	704.5
120°	331.4	335.9	346.1	361.4	381.2	404.8	431.7	470.7	519.2	576.4	647.2
122.5°	310.5	316.5	325.6	338.3	354.6	375.7	400.1	430.0	475.6	530.8	591.6
125°	287.8	294.8	304.1	315.7	330.1	346.5	370.0	401.0	437.9	483.2	537.1
127.5°	263.1	271.0	280.6	292.1	309.0	326.1	347.1	372.6	403.1	439.3	482.7
130°	236.6	248.6	261.5	275.2	290.1	305.9	323.7	345.1	370.1	399.3	432.1
132.5°	222.0	234.1	246.1	258.5	271.1	285.7	301.1	318.3	338.7	361.4	388.8
135°	207.7	219.2	230.6	241.7	253.2	264.7	278.7	293.0	309.3	327.1	348.3
137.5°	193.7	203.8	214.7	225.2	235.2	245.7	256.0	268.7	282.4	296.2	311.0
140°	179.0	188.5	198.2	208.2	217.8	226.7	235.9	245.0	255.5	266.8	278.6
142.5°	164.6	172.7	181.6	190.6	199.8	208.4	216.2	223.9	231.9	240.2	249.0
145°	149.7	157.1	164.6	172.8	180.9	189.2	197.1	203.9	210.2	216.4	222.8
147.5°	135.5	141.2	147.9	154.7	162.1	169.3	176.5	183.4	189.2	194.2	198.7
150°	121.2	126.0	131.0	137.1	143.0	149.6	156.5	162.5	168.0	172.5	176.7
152.5°	107.2	110.7	115.3	121.3	127.7	133.6	139.4	144.0	148.8	152.7	156.1
155°	96.5	101.0	106.0	110.8	115.8	120.6	125.2	129.1	132.3	135.3	138.4
157.5°	88.8	92.8	97.0	101.1	105.3	109.5	113.5	117.2	120.5	122.9	124.9
160°	80.2	83.9	87.6	91.3	95.0	98.6	102.2	105.6	108.7	111.5	114.1
162.5°	70.8	74.2	77.1	80.5	83.7	87.0	90.1	93.2	96.1	99.0	101.7
165°	61.4	64.0	66.5	68.9	71.3	74.1	76.8	79.4	82.0	84.4	86.8
167.5°	51.1	53.7	56.2	58.2	60.1	61.9	63.6	65.2	66.6	68.4	70.3
170°	39.7	41.9	43.9	45.9	47.8	49.7	51.4	52.9	54.0	55.1	56.1
172.5°	29.0	30.2	31.4	32.6	33.8	35.1	36.4	37.7	38.8	39.9	40.9
175°	18.5	19.4	20.2	20.9	21.7	22.3	23.0	23.5	24.1	24.6	25.0
177.5°	9.6	9.9	10.2	10.5	10.7	10.9	11.1	11.3	11.5	11.6	11.8
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: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	11.9	11.9	12.0	12.1	12.1	12.1	12.4	12.3	12.1	12.0	11.8
5°	25.4	25.7	26.0	26.2	26.4	26.5	26.5	26.5	26.9	26.6	26.3
7.5°	41.8	42.6	43.4	44.0	44.5	45.0	45.3	45.6	45.7	46.2	45.9
10°	57.0	57.8	58.5	59.0	59.5	59.9	60.1	60.3	60.3	60.7	60.3
12.5°	72.0	73.6	75.2	76.5	77.8	78.8	79.8	80.5	81.1	81.5	82.1
15°	88.9	90.9	92.8	94.5	96.1	97.5	98.7	99.8	100.6	101.3	102.2
17.5°	104.2	106.1	107.7	109.2	110.5	111.5	112.3	113.0	113.4	113.7	114.1
20°	116.4	118.1	119.0	119.5	119.7	119.6	119.2	118.6	117.8	116.9	115.8
22.5°	126.4	127.3	128.4	129.4	130.0	130.1	129.8	129.1	128.1	126.8	125.6
25°	140.9	142.7	143.9	144.8	145.2	145.0	144.2	143.0	141.4	139.3	136.9
27.5°	158.9	160.9	162.1	163.4	164.7	165.6	166.0	165.9	165.2	164.0	162.2
30°	179.8	183.0	185.7	187.9	191.0	193.6	195.6	197.0	197.8	197.8	197.1
32.5°	203.2	208.3	213.0	217.4	222.8	228.6	233.7	238.1	241.6	244.1	245.5
35°	228.9	237.0	245.6	253.9	262.2	271.2	279.4	286.7	292.9	297.9	301.5
37.5°	259.3	270.0	282.4	294.5	306.1	319.6	332.7	344.5	355.0	363.8	370.8
40°	291.9	305.9	323.1	341.1	358.5	376.7	395.0	411.7	426.5	439.1	449.4
42.5°	329.1	347.9	369.3	394.2	418.0	441.7	468.2	492.6	514.6	533.6	549.4
45°	370.6	396.9	422.5	455.6	489.3	525.0	556.3	588.7	617.8	643.2	664.6
47.5°	417.7	452.5	488.8	527.0	570.9	613.1	656.0	697.9	736.2	770.2	799.1
50°	472.7	515.0	562.7	609.3	660.8	714.2	767.3	819.7	865.7	904.9	937.2
52.5°	532.2	584.6	642.0	699.8	763.5	830.0	893.1	955.4	1006.5	1046.6	1076.5
55°	594.3	658.5	726.3	801.8	880.3	967.6	1044.5	1098.7	1139.2	1169.2	1189.5
57.5°	659.7	735.9	817.4	910.9	1012.9	1093.9	1173.3	1214.2	1237.9	1255.3	1266.7
60°	726.8	813.5	911.9	1010.9	1105.8	1186.4	1249.4	1288.3	1304.9	1318.0	1327.2
62.5°	789.9	888.1	990.4	1092.4	1179.1	1252.9	1305.7	1341.0	1357.7	1372.3	1384.1
65°	853.3	949.0	1056.7	1159.7	1250.4	1321.5	1361.9	1387.5	1401.4	1415.5	1427.6
67.5°	913.2	1013.6	1123.1	1237.0	1330.3	1383.2	1411.4	1424.0	1436.4	1454.1	1465.7
70°	965.9	1075.8	1194.0	1316.6	1395.9	1426.7	1443.4	1460.8	1477.8	1488.2	1497.8
72.5°	1011.9	1127.5	1252.5	1361.0	1428.0	1454.6	1472.3	1488.2	1502.6	1515.5	1528.8
75°	1049.5	1168.2	1291.7	1396.3	1456.0	1477.2	1492.2	1507.9	1523.7	1540.5	1554.5
77.5°	1076.0	1193.3	1328.7	1432.8	1478.0	1498.5	1511.1	1520.6	1538.1	1557.3	1576.0
80°	1101.7	1221.7	1360.3	1466.9	1500.1	1518.1	1523.1	1535.5	1546.9	1569.0	1593.6
82.5°	1123.5	1250.1	1390.4	1479.2	1513.8	1526.7	1535.0	1552.0	1565.1	1582.2	1602.1
85°	1136.7	1263.9	1411.4	1487.0	1519.7	1530.5	1546.1	1567.3	1581.0	1592.9	1596.8
87.5°	1145.2	1264.4	1421.0	1492.7	1523.9	1534.7	1550.3	1569.6	1579.9	1599.5	1612.0
90°	1137.1	1253.2	1417.2	1493.4	1525.3	1538.6	1550.1	1567.0	1568.7	1593.6	1612.2
92.5°	1145.2	1264.4	1421.0	1492.7	1523.9	1534.7	1550.3	1569.6	1579.9	1599.5	1612.0
95°	1136.7	1263.9	1411.4	1487.0	1519.7	1530.5	1546.1	1567.3	1581.0	1592.9	1596.8
97.5°	1123.5	1250.1	1390.4	1479.2	1513.8	1526.7	1535.0	1552.0	1565.1	1582.2	1602.1
100°	1101.7	1221.7	1360.3	1466.9	1500.1	1518.1	1523.1	1535.5	1546.9	1569.0	1593.6
102.5°	1076.0	1193.3	1328.7	1432.8	1478.0	1498.5	1511.1	1520.6	1538.1	1557.3	1576.0
105°	1049.5	1168.2	1291.7	1396.3	1456.0	1477.2	1492.2	1507.9	1523.7	1540.5	1554.5
107.5°	1011.9	1127.5	1252.5	1361.0	1428.0	1454.6	1472.3	1488.2	1502.6	1515.5	1528.8
110°	965.9	1075.8	1194.0	1316.6	1395.9	1426.7	1443.4	1460.8	1477.8	1488.2	1497.8



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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°	913.2	1013.6	1123.1	1237.0	1330.3	1383.2	1411.4	1424.0	1436.4	1454.1	1465.7
115°	853.3	949.0	1056.7	1159.7	1250.4	1321.5	1361.9	1387.5	1401.4	1415.5	1427.6
117.5°	789.9	888.1	990.4	1092.4	1179.1	1252.9	1305.7	1341.0	1357.7	1372.3	1384.1
120°	726.8	813.5	911.9	1010.9	1105.8	1186.4	1249.4	1288.3	1304.9	1318.0	1327.2
122.5°	659.7	735.9	817.4	910.9	1012.9	1093.9	1173.3	1214.2	1237.9	1255.3	1266.7
125°	594.3	658.5	726.3	801.8	880.3	967.6	1044.5	1098.7	1139.2	1169.2	1189.5
127.5°	532.2	584.6	642.0	699.8	763.5	829.9	893.1	955.4	1006.5	1046.6	1076.5
130°	472.7	515.0	562.7	609.3	660.8	714.2	767.3	819.7	865.7	904.9	937.2
132.5°	417.7	452.5	488.8	527.0	570.9	613.1	656.0	697.9	736.2	770.2	799.1
135°	370.6	396.9	422.5	455.6	489.3	525.0	556.3	588.7	617.8	643.2	664.6
137.5°	329.1	347.9	369.3	394.2	418.0	441.7	468.2	492.6	514.6	533.6	549.4
140°	291.9	305.9	323.1	341.1	358.5	376.7	395.0	411.7	426.5	439.1	449.4
142.5°	259.3	270.0	282.4	294.5	306.1	319.6	332.7	344.5	355.0	363.8	370.8
145°	228.9	237.0	245.6	253.9	262.2	271.2	279.4	286.7	292.9	297.9	301.5
147.5°	203.2	208.3	213.0	217.4	222.8	228.6	233.7	238.1	241.6	244.1	245.5
150°	179.8	183.0	185.7	187.9	191.0	193.6	195.6	197.0	197.8	197.8	197.1
152.5°	158.9	160.9	162.1	163.4	164.7	165.6	166.0	165.9	165.2	164.0	162.2
155°	140.9	142.7	143.9	144.8	145.2	145.0	144.2	143.0	141.4	139.3	136.9
157.5°	126.4	127.3	128.4	129.4	130.0	130.1	129.8	129.1	128.1	126.8	125.6
160°	116.4	118.1	119.0	119.5	119.7	119.6	119.2	118.6	117.8	116.9	115.8
162.5°	104.2	106.1	107.7	109.2	110.5	111.5	112.3	113.0	113.4	113.7	114.1
165°	88.9	90.9	92.8	94.5	96.1	97.5	98.7	99.8	100.6	101.3	102.2
167.5°	72.0	73.6	75.2	76.5	77.8	78.8	79.8	80.5	81.1	81.5	82.1
170°	57.0	57.8	58.5	59.0	59.5	59.9	60.1	60.3	60.3	60.7	60.3
172.5°	41.8	42.6	43.4	44.0	44.5	45.0	45.3	45.6	45.7	46.2	45.9
175°	25.4	25.7	26.0	26.2	26.4	26.5	26.5	26.5	26.9	26.6	26.3
177.5°	11.9	11.9	12.0	12.1	12.1	12.1	12.4	12.3	12.1	12.0	11.8
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°	0.9	0.9
2.5°	11.7	11.5
5°	26.0	25.7
7.5°	45.5	45.2
10°	59.9	59.4
12.5°	81.8	81.5
15°	102.0	101.9
17.5°	113.7	113.4
20°	114.6	113.4
22.5°	123.5	121.4
25°	134.3	131.2
27.5°	160.1	156.9
30°	196.0	193.2
32.5°	246.4	244.6
35°	304.5	304.0
37.5°	377.0	378.4
40°	458.5	461.8
42.5°	563.8	569.9
45°	684.0	693.1
47.5°	825.8	839.3
50°	966.0	980.2
52.5°	1100.7	1108.8
55°	1204.4	1205.4
57.5°	1274.7	1272.7
60°	1334.5	1333.0
62.5°	1392.3	1395.9
65°	1437.0	1442.9
67.5°	1471.7	1473.0
70°	1505.2	1509.4
72.5°	1538.5	1543.9
75°	1564.4	1570.5
77.5°	1586.5	1592.7
80°	1604.3	1603.3
82.5°	1616.8	1619.3
85°	1617.6	1632.6
87.5°	1610.4	1637.0
90°	1611.3	1617.5
92.5°	1610.4	1637.0
95°	1617.6	1632.6
97.5°	1616.8	1619.3
100°	1604.3	1603.3
102.5°	1586.5	1592.7
105°	1564.4	1570.5
107.5°	1538.5	1543.9
110°	1505.2	1509.4



TEST NUMBER: P231975

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1471.7	1473.0
115°	1437.0	1442.9
117.5°	1392.3	1395.9
120°	1334.5	1333.0
122.5°	1274.7	1272.7
125°	1204.4	1205.4
127.5°	1100.7	1108.8
130°	966.0	980.2
132.5°	825.8	839.3
135°	684.0	693.1
137.5°	563.8	569.9
140°	458.5	461.8
142.5°	377.0	378.4
145°	304.5	304.0
147.5°	246.4	244.6
150°	196.0	193.2
152.5°	160.1	156.9
155°	134.3	131.2
157.5°	123.5	121.4
160°	114.6	113.4
162.5°	113.7	113.4
165°	102.0	101.9
167.5°	81.8	81.5
170°	59.9	59.4
172.5°	45.5	45.2
175°	26.0	25.7
177.5°	11.7	11.5
180°	0.0	0.0

(END OF REPORT)