

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: P232049

Luminaire Tested: **FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-25)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

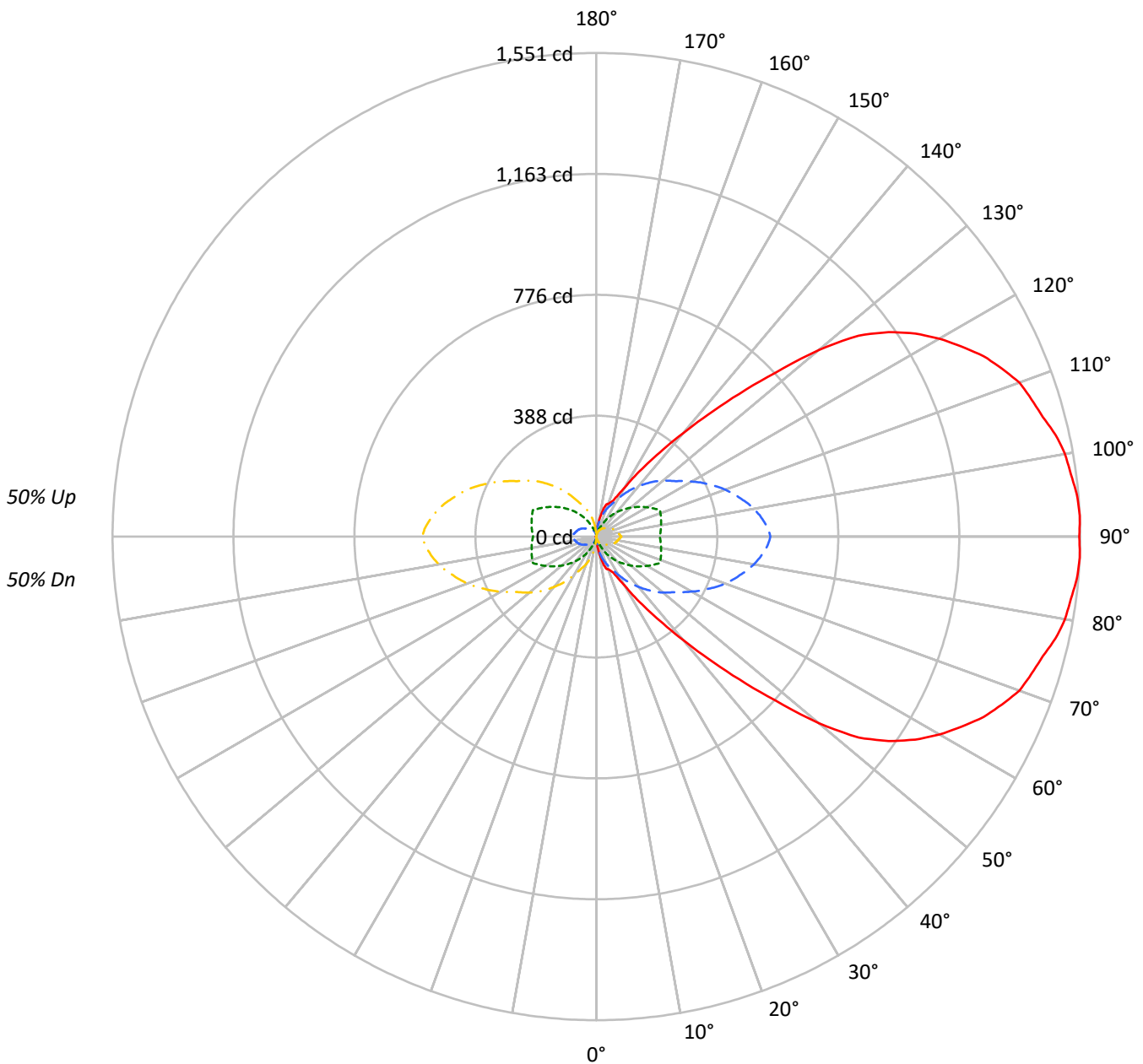
Lumens per Lamp: N/A
Luminaire Lumens: 3562.3 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 36.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	33	28
2	80	69	60	52	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	58	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	33	58	46	37	30	37	29	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	11	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	0	0	0	0
5°	422	133	0	133
10°	879	265	0	265
15°	1354	402	0	402
20°	1458	544	0	544
25°	1558	840	0	840
30°	2101	1308	0	1308
35°	3163	1824	0	1824
40°	4643	2407	0	2407
45°	6755	3082	0	3082
50°	9550	3921	0	3921
55°	11606	4946	0	4946
60°	12860	6239	0	6239
65°	13946	7942	0	7942
70°	14886	9719	10	9719
75°	15604	11664	11	11664
80°	16544	14863	0	14863
85°	17415	21003	0	21003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	11.4	0.3
20°-30°	30.5	0.9
30°-40°	70.2	2.0
40°-50°	139.1	3.9
50°-60°	248.6	7.0
60°-70°	361.8	10.2
70°-80°	439.2	12.3
80°-90°	478.9	13.4
90°-100°	478.9	13.4
100°-110°	439.2	12.3
110°-120°	361.8	10.2
120°-130°	248.6	7.0
130°-140°	139.1	3.9
140°-150°	70.2	2.0
150°-160°	30.5	0.9
160°-170°	11.4	0.3
170°-180°	1.5	0.0
0°-30°	43.4	1.2
0°-40°	113.5	3.2
0°-60°	501.2	14.1
0°-90°	1781.2	50.0
90°-120°	1279.9	35.9
90°-150°	1737.8	48.8
90°-180°	1781.0	50.0
0°-180°	3562.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	24	7	0	7	24	3
15°	96	20	0	20	96	27
25°	128	41	0	41	128	63
35°	285	82	0	82	285	188
45°	647	123	0	123	647	515
55°	1143	166	0	166	1143	1015
65°	1370	210	0	210	1370	1354
75°	1482	215	1	215	1482	1570
85°	1546	207	0	207	1546	1258
90°	1548	203	0	203	1548	849
95°	1546	207	0	207	1546	1258
105°	1482	215	1	215	1482	1570
115°	1370	210	0	210	1370	1354
125°	1143	166	0	166	1143	1015
135°	647	123	0	123	647	515
145°	285	82	0	82	285	188
155°	128	41	0	41	128	63
165°	96	20	0	20	96	27
175°	24	7	0	7	24	3
180°	0	0	0	0	0	



TEST NUMBER: P232049

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	9.8	9.9	10.1	10.2	10.4	10.5	10.6	10.3	10.3	10.3	10.3
5°	24.5	24.8	25.1	25.3	25.6	25.2	25.1	25.0	24.9	24.7	24.4
7.5°	41.2	41.6	41.9	42.3	41.9	41.8	41.6	41.4	41.1	40.6	40.1
10°	56.9	57.3	57.7	58.2	57.6	57.5	57.3	56.9	56.5	55.9	55.3
12.5°	74.5	74.9	75.2	74.8	74.6	74.3	73.8	73.1	72.3	71.4	70.4
15°	96.1	96.2	96.3	95.4	94.7	93.8	92.7	91.4	90.0	88.4	86.6
17.5°	108.8	109.0	109.2	108.6	108.2	107.6	106.8	105.8	104.7	103.3	101.8
20°	111.8	112.8	113.8	114.4	115.0	115.4	115.5	115.5	115.1	114.4	113.4
22.5°	118.6	120.4	122.2	123.3	124.4	125.3	125.8	126.0	125.8	125.2	124.2
25°	127.5	130.3	132.7	134.8	136.7	138.1	139.1	139.7	139.7	139.3	138.2
27.5°	148.0	151.2	153.4	155.4	156.9	157.8	158.3	158.3	157.7	156.6	155.5
30°	181.4	184.4	185.7	186.6	186.9	186.4	185.3	183.6	181.4	178.6	176.8
32.5°	230.4	232.3	231.7	230.6	228.4	225.4	221.5	216.8	211.6	206.8	202.8
35°	285.3	286.1	283.6	280.6	276.3	270.9	264.4	257.0	248.9	241.4	233.9
37.5°	352.0	350.9	345.6	339.6	332.0	322.9	312.7	301.5	289.9	279.4	268.4
40°	433.4	430.5	421.9	412.2	400.2	386.1	370.1	352.6	336.0	321.0	305.7
42.5°	529.4	523.9	511.2	497.1	480.2	460.7	439.1	415.6	393.3	370.3	346.5
45°	647.1	638.2	619.6	599.3	575.2	548.0	518.0	489.3	457.7	427.9	398.0
47.5°	776.5	764.2	740.1	713.9	683.0	648.1	609.5	569.9	531.0	491.0	455.4
50°	931.4	915.4	884.1	849.7	809.1	762.9	711.6	662.3	613.0	564.5	520.9
52.5°	1058.9	1046.7	1019.0	986.4	944.8	893.7	833.0	771.1	707.6	646.9	592.5
55°	1143.2	1141.3	1126.2	1104.8	1072.6	1028.3	970.2	896.9	816.7	742.4	669.7
57.5°	1211.8	1216.2	1209.5	1198.2	1178.7	1150.4	1103.8	1022.1	939.4	844.9	756.7
60°	1269.7	1273.7	1269.1	1262.9	1253.0	1239.9	1196.5	1126.3	1041.1	943.8	846.9
62.5°	1319.7	1322.0	1320.1	1314.0	1304.0	1290.3	1254.8	1203.8	1125.1	1033.2	928.5
65°	1369.7	1368.5	1363.7	1356.6	1348.1	1335.7	1307.4	1264.8	1197.3	1107.8	1001.3
67.5°	1407.0	1406.6	1402.1	1393.6	1381.4	1371.0	1356.4	1324.7	1268.8	1180.6	1071.0
70°	1443.2	1439.2	1432.4	1424.1	1416.8	1404.4	1390.6	1370.3	1333.4	1252.5	1138.0
72.5°	1462.8	1461.6	1456.7	1447.4	1441.4	1431.2	1417.7	1402.4	1369.0	1298.8	1193.4
75°	1481.5	1481.5	1478.0	1471.1	1461.7	1453.2	1440.9	1423.8	1396.8	1334.0	1232.9
77.5°	1507.9	1505.1	1498.8	1490.4	1480.2	1467.0	1459.3	1445.1	1419.6	1365.8	1268.3
80°	1525.6	1521.7	1515.7	1504.2	1494.5	1482.0	1468.2	1462.3	1445.2	1396.0	1295.1
82.5°	1534.4	1532.6	1530.3	1524.5	1504.3	1492.6	1477.1	1468.6	1456.1	1412.8	1321.4
85°	1546.2	1544.4	1537.7	1525.5	1510.2	1500.7	1483.6	1470.6	1458.2	1423.5	1338.1
87.5°	1551.1	1544.8	1538.2	1527.2	1508.4	1502.4	1485.9	1472.4	1459.2	1429.1	1344.0
90°	1548.1	1541.3	1532.5	1531.5	1508.9	1500.1	1485.4	1473.6	1457.9	1427.5	1338.3
92.5°	1551.1	1544.8	1538.2	1527.2	1508.4	1502.4	1485.9	1472.4	1459.2	1429.1	1344.0
95°	1546.2	1544.4	1537.7	1525.5	1510.2	1500.7	1483.6	1470.6	1458.2	1423.5	1338.1
97.5°	1534.4	1532.6	1530.3	1524.5	1504.3	1492.6	1477.1	1468.6	1456.1	1412.8	1321.4
100°	1525.6	1521.7	1515.7	1504.2	1494.5	1482.0	1468.2	1462.3	1445.2	1396.0	1295.1
102.5°	1507.9	1505.1	1498.8	1490.4	1480.2	1467.0	1459.3	1445.1	1419.6	1365.8	1268.3
105°	1481.5	1481.5	1478.0	1471.1	1461.7	1453.2	1440.9	1423.8	1396.8	1334.0	1232.9
107.5°	1462.8	1461.6	1456.7	1447.4	1441.4	1431.2	1417.7	1402.4	1369.0	1298.8	1193.4
110°	1443.2	1439.2	1432.4	1424.1	1416.8	1404.4	1390.6	1370.3	1333.4	1252.5	1138.0



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1407.0	1406.6	1402.1	1393.6	1381.4	1371.0	1356.4	1324.7	1268.8	1180.6	1071.0
115°	1369.7	1368.5	1363.7	1356.6	1348.1	1335.7	1307.4	1264.8	1197.3	1107.8	1001.3
117.5°	1319.7	1322.0	1320.1	1314.0	1304.0	1290.3	1254.8	1203.8	1125.1	1033.2	928.5
120°	1269.7	1273.7	1269.1	1262.9	1253.0	1239.9	1196.5	1126.3	1041.1	943.8	846.9
122.5°	1211.8	1216.2	1209.5	1198.2	1178.7	1150.4	1103.8	1022.1	939.4	844.9	756.7
125°	1143.2	1141.3	1126.2	1104.8	1072.6	1028.3	970.2	896.9	816.7	742.4	669.7
127.5°	1058.9	1046.7	1019.0	986.4	944.8	893.7	833.0	771.1	707.6	646.9	592.5
130°	931.4	915.4	884.1	849.7	809.1	762.9	711.6	662.3	613.0	564.5	520.9
132.5°	776.5	764.2	740.1	713.9	683.0	648.1	609.5	569.9	531.0	491.0	455.4
135°	647.1	638.2	619.6	599.3	575.2	548.0	518.0	489.3	457.7	427.9	398.0
137.5°	529.4	523.9	511.2	497.1	480.2	460.7	439.1	415.6	393.3	370.3	346.5
140°	433.4	430.5	421.9	412.2	400.2	386.1	370.1	352.6	336.0	321.0	305.7
142.5°	352.0	350.9	345.6	339.6	332.0	322.9	312.7	301.5	289.9	279.4	268.4
145°	285.3	286.1	283.6	280.6	276.3	270.9	264.4	257.0	248.9	241.4	233.9
147.5°	230.4	232.3	231.7	230.6	228.4	225.4	221.5	216.8	211.6	206.8	202.8
150°	181.4	184.4	185.7	186.6	186.9	186.4	185.3	183.6	181.4	178.6	176.8
152.5°	148.0	151.2	153.4	155.4	156.9	157.8	158.3	158.3	157.7	156.6	155.5
155°	127.5	130.3	132.7	134.8	136.7	138.1	139.1	139.7	139.7	139.3	138.2
157.5°	118.6	120.4	122.2	123.3	124.4	125.3	125.8	126.0	125.8	125.2	124.2
160°	111.8	112.8	113.8	114.4	115.0	115.4	115.5	115.5	115.1	114.4	113.4
162.5°	108.8	109.0	109.2	108.6	108.2	107.6	106.8	105.8	104.7	103.3	101.8
165°	96.1	96.2	96.3	95.4	94.7	93.8	92.7	91.4	90.0	88.4	86.6
167.5°	74.5	74.9	75.2	74.8	74.6	74.3	73.8	73.1	72.3	71.4	70.4
170°	56.9	57.3	57.7	58.2	57.6	57.5	57.3	56.9	56.5	55.9	55.3
172.5°	41.2	41.6	41.9	42.3	41.9	41.8	41.6	41.4	41.1	40.6	40.1
175°	24.5	24.8	25.1	25.3	25.6	25.2	25.1	25.0	24.9	24.7	24.4
177.5°	9.8	9.9	10.1	10.2	10.4	10.5	10.6	10.3	10.3	10.3	10.3
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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.1	8.8	8.6
5°	24.1	23.7	23.3	22.8	22.3	21.7	21.1	20.4	19.7	18.9	18.1
7.5°	39.5	38.8	38.1	37.2	36.3	35.3	34.2	33.1	31.9	30.7	29.5
10°	54.5	53.6	52.6	51.5	50.4	49.1	47.7	46.2	44.6	42.9	41.1
12.5°	69.3	68.0	66.6	65.1	63.6	62.0	60.3	58.5	56.6	54.6	52.5
15°	84.7	82.7	80.6	78.7	76.7	74.6	72.5	70.3	68.0	65.6	63.1
17.5°	100.1	98.2	95.7	92.9	90.1	87.3	84.3	81.5	78.8	76.1	73.2
20°	112.0	110.0	107.7	105.1	102.4	99.4	96.1	92.7	89.3	85.8	82.6
22.5°	122.8	121.3	119.2	116.6	113.5	110.2	106.6	102.9	99.0	95.2	91.4
25°	137.0	135.2	132.8	129.8	126.4	122.5	118.0	112.9	108.5	103.9	99.6
27.5°	154.1	152.0	149.1	145.7	141.9	137.4	132.9	126.4	119.8	113.1	107.8
30°	174.5	171.7	168.8	164.6	159.9	154.3	148.6	142.0	135.1	128.3	121.4
32.5°	198.4	193.6	189.4	185.1	180.3	174.4	167.0	159.2	151.9	144.4	137.1
35°	226.1	218.7	212.8	206.7	200.1	193.0	185.5	177.0	168.1	159.9	151.8
37.5°	257.1	247.4	238.2	229.3	220.1	211.2	202.6	194.0	184.8	175.1	166.0
40°	290.9	277.8	264.5	252.8	241.6	230.9	220.6	210.4	200.7	190.5	180.0
42.5°	327.1	309.8	292.9	278.2	264.8	251.7	239.5	227.9	216.1	205.3	194.2
45°	371.6	344.6	323.5	304.3	287.5	272.2	258.8	245.8	232.7	219.8	207.9
47.5°	421.7	388.7	359.1	331.8	311.4	292.9	277.2	263.2	249.7	235.2	221.4
50°	475.9	436.5	398.9	366.1	336.3	314.0	295.0	279.4	265.3	251.0	235.1
52.5°	538.6	489.0	442.2	402.0	366.5	335.4	312.9	294.6	280.2	265.4	253.1
55°	605.4	545.4	491.0	439.5	397.3	361.0	330.2	309.5	296.3	285.1	275.5
57.5°	677.5	604.0	540.7	482.5	429.3	386.6	355.3	331.3	314.5	303.1	293.3
60°	752.6	667.6	590.0	524.6	468.3	420.8	382.0	352.5	333.4	320.0	310.1
62.5°	826.1	729.9	644.4	571.7	509.2	453.7	410.3	376.0	351.2	335.4	325.4
65°	891.4	793.2	702.6	618.6	549.0	488.4	437.2	396.5	368.4	351.1	340.0
67.5°	958.5	853.2	756.3	667.0	585.3	518.2	463.3	419.1	386.7	365.8	353.4
70°	1021.1	907.7	804.5	708.7	622.2	548.6	488.2	439.8	402.6	378.9	365.6
72.5°	1072.3	954.3	843.3	743.9	655.3	574.6	508.6	459.3	416.8	392.0	377.6
75°	1112.6	991.7	876.4	770.5	681.5	597.5	529.3	476.9	434.7	405.8	388.0
77.5°	1141.3	1018.2	901.7	796.2	706.2	624.6	553.3	496.0	451.1	418.7	398.1
80°	1168.3	1045.7	930.9	822.1	726.7	645.9	573.3	512.9	465.5	430.7	408.0
82.5°	1196.1	1068.8	951.9	841.2	741.1	661.7	589.6	527.6	477.9	441.8	417.5
85°	1212.2	1082.6	964.5	853.6	749.8	672.3	602.3	540.0	488.6	452.0	426.6
87.5°	1216.7	1091.5	972.8	862.4	755.4	680.1	613.0	551.3	498.3	461.8	435.5
90°	1209.9	1082.4	965.7	857.9	752.0	680.4	617.7	557.9	504.9	469.6	443.2
92.5°	1216.7	1091.5	972.8	862.4	755.4	680.1	613.0	551.3	498.3	461.8	435.5
95°	1212.2	1082.6	964.5	853.6	749.8	672.3	602.3	540.0	488.6	452.0	426.6
97.5°	1196.1	1068.8	951.9	841.2	741.1	661.7	589.6	527.6	477.9	441.8	417.5
100°	1168.3	1045.7	930.9	822.1	726.7	645.9	573.3	512.9	465.5	430.7	408.0
102.5°	1141.3	1018.2	901.7	796.2	706.2	624.6	553.3	496.0	451.1	418.7	398.1
105°	1112.6	991.7	876.4	770.5	681.5	597.5	529.3	476.9	434.7	405.8	388.0
107.5°	1072.3	954.3	843.3	743.9	655.3	574.6	508.6	459.3	416.8	392.0	377.6
110°	1021.1	907.7	804.5	708.7	622.2	548.6	488.2	439.8	402.6	378.9	365.6



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-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°	958.5	853.2	756.3	667.0	585.3	518.2	463.3	419.1	386.7	365.8	353.4
115°	891.4	793.2	702.6	618.6	549.0	488.4	437.2	396.5	368.4	351.1	340.0
117.5°	826.1	729.9	644.4	571.7	509.2	453.7	410.3	376.0	351.2	335.4	325.4
120°	752.6	667.6	590.0	524.6	468.3	420.8	382.0	352.5	333.4	320.0	310.1
122.5°	677.5	604.0	540.7	482.5	429.3	386.6	355.3	331.3	314.5	303.1	293.3
125°	605.4	545.4	491.0	439.5	397.3	361.0	330.2	309.5	296.3	285.1	275.5
127.5°	538.6	489.0	442.2	402.0	366.5	335.4	312.9	294.6	280.2	265.4	253.1
130°	475.9	436.5	398.9	366.1	336.3	314.0	295.0	279.4	265.3	251.0	235.1
132.5°	421.7	388.7	359.1	331.8	311.4	292.9	277.2	263.2	249.7	235.2	221.4
135°	371.6	344.6	323.5	304.3	287.5	272.2	258.8	245.8	232.7	219.8	207.9
137.5°	327.1	309.8	292.9	278.2	264.8	251.7	239.5	227.9	216.1	205.3	194.2
140°	290.9	277.8	264.5	252.8	241.6	230.9	220.6	210.4	200.7	190.5	180.0
142.5°	257.1	247.4	238.2	229.3	220.1	211.2	202.6	194.0	184.8	175.1	166.0
145°	226.1	218.7	212.8	206.7	200.1	193.0	185.5	177.0	168.1	159.9	151.8
147.5°	198.4	193.6	189.4	185.1	180.3	174.4	167.0	159.2	151.9	144.4	137.1
150°	174.5	171.7	168.8	164.6	159.9	154.3	148.6	142.0	135.1	128.3	121.4
152.5°	154.1	152.0	149.1	145.7	141.9	137.4	132.9	126.4	119.8	113.1	107.8
155°	137.0	135.2	132.8	129.8	126.4	122.5	118.0	112.9	108.5	103.9	99.6
157.5°	122.8	121.3	119.2	116.6	113.5	110.2	106.6	102.9	99.0	95.2	91.4
160°	112.0	110.0	107.7	105.1	102.4	99.4	96.1	92.7	89.3	85.8	82.6
162.5°	100.1	98.2	95.7	92.9	90.1	87.3	84.3	81.5	78.8	76.1	73.2
165°	84.7	82.7	80.6	78.7	76.7	74.6	72.5	70.3	68.0	65.6	63.1
167.5°	69.3	68.0	66.6	65.1	63.6	62.0	60.3	58.5	56.6	54.6	52.5
170°	54.5	53.6	52.6	51.5	50.4	49.1	47.7	46.2	44.6	42.9	41.1
172.5°	39.5	38.8	38.1	37.2	36.3	35.3	34.2	33.1	31.9	30.7	29.5
175°	24.1	23.7	23.3	22.8	22.3	21.7	21.1	20.4	19.7	18.9	18.1
177.5°	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.1	8.8	8.6
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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.3	8.1	7.8	7.5	7.2	6.8	6.5	6.1	5.8	5.4	5.0
5°	17.3	16.4	15.5	14.9	14.2	13.6	12.9	12.2	11.5	10.7	10.0
7.5°	28.2	26.9	25.5	24.0	22.5	21.0	19.4	18.2	17.1	16.0	14.9
10°	39.2	37.3	35.5	33.4	31.4	29.4	27.3	25.1	22.9	21.3	19.8
12.5°	50.2	47.8	45.4	42.9	40.3	37.7	35.1	32.4	29.6	26.8	24.6
15°	60.5	57.8	55.4	52.1	49.1	46.0	42.8	39.6	36.3	33.0	29.5
17.5°	70.7	67.3	64.1	60.8	57.5	53.9	50.3	46.7	42.9	39.0	35.1
20°	79.4	76.1	72.8	69.1	65.4	61.5	57.6	53.5	49.4	45.0	40.6
22.5°	87.7	84.1	80.6	77.0	73.0	68.8	64.5	60.0	55.6	50.9	46.0
25°	95.2	91.3	87.5	83.8	81.0	77.5	73.8	69.8	65.7	61.4	56.6
27.5°	103.7	100.6	98.0	95.3	92.4	89.4	85.6	81.6	77.2	72.7	67.9
30°	116.7	112.6	109.1	106.3	103.4	100.3	97.0	92.9	88.9	83.8	79.0
32.5°	129.8	124.5	120.3	116.9	114.0	110.9	107.6	103.8	99.5	94.7	89.6
35°	144.0	136.5	131.2	127.2	124.0	121.1	117.8	114.7	110.1	105.4	100.2
37.5°	157.3	149.3	141.8	137.3	133.8	130.7	127.7	124.3	120.3	115.9	110.6
40°	170.3	161.2	153.5	146.6	143.0	139.9	137.1	133.9	130.3	126.0	120.9
42.5°	182.9	173.1	164.0	156.8	151.8	148.8	146.1	143.2	139.9	135.8	131.0
45°	196.0	184.3	174.7	166.5	159.9	157.2	154.8	152.3	149.1	145.4	141.0
47.5°	208.5	196.1	185.0	175.8	168.8	166.5	167.1	167.1	166.4	164.9	162.2
50°	221.0	208.3	199.9	194.2	190.3	188.4	189.2	189.1	188.8	188.2	186.0
52.5°	241.2	232.1	224.4	218.0	213.1	210.6	211.2	211.2	210.9	211.2	209.4
55°	263.4	254.5	247.3	241.1	235.8	233.3	233.1	233.2	232.5	233.8	232.6
57.5°	283.7	275.1	269.0	263.6	258.7	255.6	254.8	255.4	254.1	256.1	255.7
60°	301.8	294.2	289.0	285.0	281.0	277.4	276.5	277.4	276.0	278.0	278.6
62.5°	317.9	312.0	307.9	305.2	302.8	298.9	298.2	299.1	297.9	299.8	301.5
65°	332.7	328.0	325.5	324.4	324.0	320.5	319.9	320.8	319.8	321.4	324.2
67.5°	346.3	342.3	341.9	342.6	344.0	342.0	341.4	342.4	341.8	342.8	346.9
70°	358.8	355.8	357.2	359.1	360.2	358.4	356.5	356.5	355.7	354.8	355.0
72.5°	368.9	363.5	362.2	363.5	365.8	366.4	365.6	366.1	366.2	365.1	361.7
75°	376.7	369.2	366.0	367.5	371.1	373.8	374.4	375.7	376.5	375.9	369.0
77.5°	384.7	375.1	369.9	371.1	376.1	380.8	383.1	385.2	386.5	387.1	376.7
80°	392.8	381.2	374.0	374.6	380.9	387.4	391.6	394.6	396.4	398.6	384.7
82.5°	400.9	387.3	378.0	378.0	385.6	393.8	400.1	404.1	406.1	410.2	394.1
85°	408.8	393.4	382.1	381.3	390.3	399.8	408.4	413.4	415.7	422.3	401.7
87.5°	416.7	399.5	386.2	384.6	394.9	406.3	416.9	422.9	425.5	433.7	409.2
90°	423.6	404.9	390.2	388.3	400.0	412.8	425.5	432.4	435.3	445.1	416.7
92.5°	416.7	399.5	386.2	384.6	394.9	406.3	416.9	422.9	425.5	433.7	409.2
95°	408.8	393.4	382.1	381.3	390.3	399.8	408.4	413.4	415.7	422.3	401.7
97.5°	400.9	387.3	378.0	378.0	385.6	393.8	400.1	404.1	406.1	410.2	394.1
100°	392.8	381.2	374.0	374.6	380.9	387.4	391.6	394.6	396.4	398.6	384.7
102.5°	384.7	375.1	369.9	371.1	376.1	380.8	383.1	385.2	386.5	387.1	376.7
105°	376.7	369.2	366.0	367.5	371.1	373.8	374.4	375.7	376.5	375.9	369.0
107.5°	368.9	363.5	362.2	363.5	365.8	366.4	365.6	366.1	366.2	365.1	361.7
110°	358.8	355.8	357.2	359.1	360.2	358.4	356.5	356.5	355.7	354.8	355.0



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	346.3	342.3	341.9	342.6	344.0	342.0	341.4	342.4	341.8	342.8	346.9
115°	332.7	328.0	325.5	324.4	324.0	320.5	319.9	320.8	319.8	321.4	324.2
117.5°	317.9	312.0	307.9	305.2	302.8	298.9	298.2	299.1	297.9	299.8	301.5
120°	301.8	294.2	289.0	285.0	281.0	277.4	276.5	277.4	276.0	278.0	278.6
122.5°	283.7	275.1	269.0	263.6	258.7	255.6	254.8	255.4	254.1	256.1	255.7
125°	263.4	254.5	247.3	241.1	235.8	233.3	233.1	233.2	232.5	233.8	232.6
127.5°	241.2	232.1	224.4	218.0	213.1	210.6	211.2	211.2	210.9	211.2	209.4
130°	221.0	208.3	199.9	194.2	190.3	188.4	189.2	189.1	188.8	188.2	186.0
132.5°	208.5	196.1	185.0	175.8	168.8	166.5	167.1	167.1	166.4	164.9	162.2
135°	196.0	184.3	174.7	166.5	159.9	157.2	154.8	152.3	149.1	145.4	141.0
137.5°	182.9	173.1	164.0	156.8	151.8	148.8	146.1	143.2	139.9	135.8	131.0
140°	170.3	161.2	153.5	146.6	143.0	139.9	137.1	133.9	130.3	126.0	120.9
142.5°	157.3	149.3	141.8	137.3	133.8	130.7	127.7	124.3	120.3	115.9	110.6
145°	144.0	136.5	131.2	127.2	124.0	121.1	117.8	114.7	110.1	105.4	100.2
147.5°	129.8	124.5	120.3	116.9	114.0	110.9	107.6	103.8	99.5	94.7	89.6
150°	116.7	112.6	109.1	106.3	103.4	100.3	97.0	92.9	88.9	83.8	79.0
152.5°	103.7	100.6	98.0	95.3	92.4	89.4	85.6	81.6	77.2	72.7	67.9
155°	95.2	91.3	87.5	83.8	81.0	77.5	73.8	69.8	65.7	61.4	56.6
157.5°	87.7	84.1	80.6	77.0	73.0	68.8	64.5	60.0	55.6	50.9	46.0
160°	79.4	76.1	72.8	69.1	65.4	61.5	57.6	53.5	49.4	45.0	40.6
162.5°	70.7	67.3	64.1	60.8	57.5	53.9	50.3	46.7	42.9	39.0	35.1
165°	60.5	57.8	55.4	52.1	49.1	46.0	42.8	39.6	36.3	33.0	29.5
167.5°	50.2	47.8	45.4	42.9	40.3	37.7	35.1	32.4	29.6	26.8	24.6
170°	39.2	37.3	35.5	33.4	31.4	29.4	27.3	25.1	22.9	21.3	19.8
172.5°	28.2	26.9	25.5	24.0	22.5	21.0	19.4	18.2	17.1	16.0	14.9
175°	17.3	16.4	15.5	14.9	14.2	13.6	12.9	12.2	11.5	10.7	10.0
177.5°	8.3	8.1	7.8	7.5	7.2	6.8	6.5	6.1	5.8	5.4	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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.6	4.2	3.8	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2
5°	9.2	8.4	7.6	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.3
7.5°	13.7	12.6	11.4	10.1	10.1	10.0	9.9	9.8	9.7	9.5	9.4
10°	18.3	16.7	15.1	13.5	13.4	13.3	13.2	13.0	12.8	12.6	12.5
12.5°	22.7	20.8	18.9	16.9	16.8	16.6	16.4	16.2	16.0	15.8	15.6
15°	27.2	24.9	22.6	20.3	20.1	19.8	19.6	19.3	19.2	19.0	18.7
17.5°	31.6	29.0	26.3	23.6	23.4	23.1	22.8	22.5	22.4	22.1	21.9
20°	36.1	33.0	30.0	27.0	26.7	26.3	25.9	25.8	25.6	25.3	25.0
22.5°	41.0	37.0	33.7	30.4	30.0	29.5	29.2	29.0	28.8	28.5	28.2
25°	51.7	47.3	44.0	40.6	40.3	39.8	39.4	38.8	38.1	37.1	35.8
27.5°	62.7	57.7	54.4	50.9	50.7	50.4	50.1	49.7	48.9	47.7	46.1
30°	73.5	67.9	64.6	61.1	61.2	61.0	61.0	60.7	59.7	58.4	55.8
32.5°	84.2	78.5	74.8	71.4	71.7	71.8	71.9	71.6	70.4	68.3	64.9
35°	94.7	88.9	85.0	81.6	82.2	82.6	82.9	82.5	81.2	77.8	73.6
37.5°	105.1	99.3	95.1	91.9	92.7	93.4	94.0	93.3	91.9	86.8	81.0
40°	115.4	109.5	105.2	102.1	103.3	104.3	105.2	104.1	101.3	95.5	87.6
42.5°	125.5	119.7	115.3	112.4	113.9	115.3	116.3	114.9	110.6	104.0	93.5
45°	135.4	129.7	125.2	122.6	124.5	126.2	127.2	125.7	119.6	110.5	98.9
47.5°	155.7	147.3	139.3	133.5	132.5	131.8	130.9	129.1	122.1	112.6	101.6
50°	177.4	165.8	153.7	144.4	140.2	136.6	133.6	130.3	122.2	112.2	102.2
52.5°	199.6	184.8	168.3	155.3	147.7	141.2	136.0	130.9	122.3	112.4	103.5
55°	222.2	204.2	183.1	166.2	154.9	145.3	138.2	131.6	122.4	113.0	105.5
57.5°	245.2	224.0	198.1	177.0	162.0	149.2	140.3	132.2	122.9	114.3	108.2
60°	268.4	244.1	213.3	187.9	168.9	152.7	142.2	132.9	123.6	116.5	111.7
62.5°	292.0	264.6	228.6	198.8	175.7	156.1	143.9	133.6	124.8	119.1	115.7
65°	315.7	285.3	244.0	209.7	182.3	159.2	145.6	134.3	126.2	122.1	120.4
67.5°	339.6	306.2	259.5	220.6	188.9	162.1	147.1	135.1	127.9	125.5	125.4
70°	343.3	306.5	258.1	218.6	186.9	160.4	145.8	133.6	127.2	125.6	126.8
72.5°	345.7	306.0	256.5	216.7	185.0	158.7	144.3	131.8	125.8	124.3	125.8
75°	348.1	305.3	256.3	214.7	183.2	157.1	143.0	130.1	124.5	123.0	124.8
77.5°	350.4	304.4	254.1	212.8	181.4	155.7	141.7	128.4	123.2	121.7	123.8
80°	352.7	305.0	251.9	210.8	179.7	154.3	140.4	126.9	122.0	120.3	122.8
82.5°	356.2	303.0	249.7	208.9	178.0	153.1	139.3	125.4	120.9	118.9	121.8
85°	357.4	301.0	247.6	206.9	176.5	151.9	138.2	124.0	119.8	117.5	120.8
87.5°	358.6	299.1	245.4	205.0	175.0	150.9	137.2	122.8	118.7	116.1	119.7
90°	359.8	297.1	243.2	203.0	173.5	150.0	136.3	121.6	117.7	114.7	118.6
92.5°	358.6	299.1	245.4	205.0	175.0	150.9	137.2	122.8	118.7	116.1	119.7
95°	357.4	301.0	247.6	206.9	176.5	151.9	138.2	124.0	119.8	117.5	120.8
97.5°	356.2	303.0	249.7	208.9	178.0	153.1	139.3	125.4	120.9	118.9	121.8
100°	352.7	305.0	251.9	210.8	179.7	154.3	140.4	126.9	122.0	120.3	122.8
102.5°	350.4	304.4	254.1	212.8	181.4	155.7	141.7	128.4	123.2	121.7	123.8
105°	348.1	305.3	256.3	214.7	183.2	157.1	143.0	130.1	124.5	123.0	124.8
107.5°	345.7	306.0	256.5	216.7	185.0	158.7	144.3	131.8	125.8	124.3	125.8
110°	343.3	306.5	258.1	218.6	186.9	160.4	145.8	133.6	127.2	125.6	126.8



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-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°	339.6	306.2	259.5	220.6	188.9	162.1	147.1	135.1	127.9	125.5	125.4
115°	315.7	285.3	244.0	209.7	182.3	159.2	145.6	134.3	126.2	122.1	120.4
117.5°	292.0	264.6	228.6	198.8	175.7	156.1	143.9	133.6	124.8	119.1	115.7
120°	268.4	244.1	213.3	187.9	168.9	152.7	142.2	132.9	123.6	116.5	111.7
122.5°	245.2	224.0	198.1	177.0	162.0	149.2	140.3	132.2	122.9	114.3	108.2
125°	222.2	204.2	183.1	166.2	154.9	145.3	138.2	131.6	122.4	113.0	105.5
127.5°	199.6	184.8	168.3	155.3	147.7	141.2	136.0	130.9	122.3	112.4	103.5
130°	177.4	165.8	153.7	144.4	140.2	136.6	133.6	130.3	122.2	112.2	102.2
132.5°	155.7	147.3	139.3	133.5	132.5	131.8	130.9	129.1	122.1	112.6	101.6
135°	135.4	129.7	125.2	122.6	124.5	126.2	127.2	125.7	119.6	110.5	98.9
137.5°	125.5	119.7	115.3	112.4	113.9	115.3	116.3	114.9	110.6	104.0	93.5
140°	115.4	109.5	105.2	102.1	103.3	104.3	105.2	104.1	101.3	95.5	87.6
142.5°	105.1	99.3	95.1	91.9	92.7	93.4	94.0	93.3	91.9	86.8	81.0
145°	94.7	88.9	85.0	81.6	82.2	82.6	82.9	82.5	81.2	77.8	73.6
147.5°	84.2	78.5	74.8	71.4	71.7	71.8	71.9	71.6	70.4	68.3	64.9
150°	73.5	67.9	64.6	61.1	61.2	61.0	61.0	60.7	59.7	58.4	55.8
152.5°	62.7	57.7	54.4	50.9	50.7	50.4	50.1	49.7	48.9	47.7	46.1
155°	51.7	47.3	44.0	40.6	40.3	39.8	39.4	38.8	38.1	37.1	35.8
157.5°	41.0	37.0	33.7	30.4	30.0	29.5	29.2	29.0	28.8	28.5	28.2
160°	36.1	33.0	30.0	27.0	26.7	26.3	25.9	25.8	25.6	25.3	25.0
162.5°	31.6	29.0	26.3	23.6	23.4	23.1	22.8	22.5	22.4	22.1	21.9
165°	27.2	24.9	22.6	20.3	20.1	19.8	19.6	19.3	19.2	19.0	18.7
167.5°	22.7	20.8	18.9	16.9	16.8	16.6	16.4	16.2	16.0	15.8	15.6
170°	18.3	16.7	15.1	13.5	13.4	13.3	13.2	13.0	12.8	12.6	12.5
172.5°	13.7	12.6	11.4	10.1	10.1	10.0	9.9	9.8	9.7	9.5	9.4
175°	9.2	8.4	7.6	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.3
177.5°	4.6	4.2	3.8	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.1	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3
5°	6.2	6.1	6.0	5.8	5.7	5.5	5.4	5.2	5.0	4.8	4.6
7.5°	9.2	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9
10°	12.3	12.1	11.9	11.6	11.3	11.1	10.7	10.4	10.1	9.7	9.3
12.5°	15.4	15.1	14.8	14.5	14.2	13.8	13.4	13.0	12.6	12.1	11.6
15°	18.5	18.2	17.8	17.5	17.1	16.6	16.2	15.7	15.2	14.6	13.9
17.5°	21.6	21.2	20.8	20.4	20.0	19.5	18.9	18.2	17.5	16.7	15.9
20°	24.7	24.3	23.9	23.4	22.9	22.1	21.3	20.5	19.7	19.0	18.2
22.5°	27.8	27.4	26.9	26.3	25.4	24.5	23.7	23.0	22.2	21.4	20.6
25°	34.3	32.7	30.9	28.9	27.9	27.1	26.4	25.6	24.8	23.9	23.0
27.5°	44.0	41.7	38.8	36.1	33.8	31.8	29.9	28.3	27.4	26.3	25.0
30°	53.0	49.4	45.7	42.5	39.7	37.2	34.9	32.8	30.6	28.6	26.9
32.5°	60.9	56.1	51.8	48.0	44.6	41.6	38.7	36.0	33.5	31.3	29.2
35°	67.7	62.0	57.1	52.5	48.6	44.9	41.5	38.4	35.8	33.5	31.7
37.5°	73.8	67.3	61.4	56.4	51.7	47.5	43.7	40.6	37.9	35.8	33.7
40°	79.2	71.9	65.3	59.4	54.2	49.4	45.7	42.5	39.9	37.5	35.2
42.5°	84.2	75.6	68.4	61.9	56.0	51.4	47.4	44.4	41.6	38.9	36.5
45°	88.6	79.2	70.9	63.9	57.9	53.0	49.3	46.0	43.0	40.3	37.8
47.5°	91.5	82.2	73.3	65.4	59.7	54.8	50.9	47.5	44.4	41.7	39.2
50°	93.0	84.7	76.8	69.4	62.8	56.7	52.4	48.8	45.8	43.3	40.8
52.5°	95.6	88.2	81.3	75.4	69.4	63.5	57.7	52.3	47.4	45.0	42.4
55°	99.0	92.8	87.0	82.2	76.4	70.4	64.4	58.7	53.6	48.9	44.3
57.5°	103.1	98.2	93.8	89.5	83.7	77.3	71.1	65.0	59.3	53.9	48.3
60°	107.9	104.3	101.2	96.9	90.9	84.3	77.6	70.9	64.5	58.1	51.8
62.5°	113.4	111.0	109.3	104.6	98.2	91.1	83.8	76.3	69.1	61.7	55.1
65°	119.4	118.4	117.9	112.5	105.5	97.8	89.6	81.4	73.1	64.9	57.7
67.5°	125.9	126.3	125.8	120.4	112.9	104.5	95.3	86.1	76.7	67.9	60.0
70°	128.9	131.4	131.9	127.5	120.0	111.0	100.7	90.6	80.1	70.6	62.1
72.5°	128.2	131.1	131.3	127.5	121.4	113.4	103.9	94.0	83.3	73.1	64.0
75°	127.6	130.8	131.2	128.1	122.5	114.6	105.4	95.4	85.1	75.1	65.9
77.5°	126.9	130.5	131.3	129.0	124.0	116.3	107.2	97.4	87.2	77.2	67.6
80°	126.3	130.2	131.7	130.3	125.8	118.3	109.4	99.9	89.8	79.5	69.6
82.5°	125.7	129.8	132.3	131.9	127.9	120.7	112.0	102.8	92.8	82.1	71.8
85°	125.0	129.4	133.0	133.6	130.2	123.3	114.9	106.1	96.1	85.1	74.2
87.5°	124.3	128.9	133.7	135.4	132.7	126.3	118.1	109.7	99.8	88.4	77.1
90°	123.5	128.4	134.3	137.3	135.3	129.4	121.6	113.7	103.9	92.2	80.4
92.5°	124.3	128.9	133.7	135.4	132.7	126.3	118.1	109.7	99.8	88.4	77.1
95°	125.0	129.4	133.0	133.6	130.2	123.3	114.9	106.1	96.1	85.1	74.2
97.5°	125.7	129.8	132.3	131.9	127.9	120.7	112.0	102.8	92.8	82.1	71.8
100°	126.3	130.2	131.7	130.3	125.8	118.3	109.4	99.9	89.8	79.5	69.6
102.5°	126.9	130.5	131.3	129.0	124.0	116.3	107.2	97.4	87.2	77.2	67.6
105°	127.6	130.8	131.2	128.1	122.5	114.6	105.4	95.4	85.1	75.1	65.9
107.5°	128.2	131.1	131.3	127.5	121.4	113.4	103.9	94.0	83.3	73.1	64.0
110°	128.9	131.4	131.9	127.5	120.0	111.0	100.7	90.6	80.1	70.6	62.1



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	125.9	126.3	125.8	120.4	112.9	104.5	95.3	86.1	76.7	67.9	60.0
115°	119.4	118.4	117.9	112.5	105.5	97.8	89.6	81.4	73.1	64.9	57.7
117.5°	113.4	111.0	109.3	104.6	98.2	91.1	83.8	76.3	69.1	61.7	55.1
120°	107.9	104.3	101.2	96.9	90.9	84.3	77.6	70.9	64.5	58.1	51.8
122.5°	103.1	98.2	93.8	89.5	83.7	77.3	71.1	65.0	59.3	53.9	48.3
125°	99.0	92.8	87.0	82.2	76.4	70.4	64.4	58.7	53.6	48.9	44.3
127.5°	95.6	88.2	81.3	75.4	69.4	63.5	57.7	52.3	47.4	45.0	42.4
130°	93.0	84.7	76.8	69.4	62.8	56.7	52.4	48.8	45.8	43.3	40.8
132.5°	91.5	82.2	73.3	65.4	59.7	54.8	50.9	47.5	44.4	41.7	39.2
135°	88.6	79.2	70.9	63.9	57.9	53.0	49.3	46.0	43.0	40.3	37.8
137.5°	84.2	75.6	68.4	61.9	56.0	51.4	47.4	44.4	41.6	38.9	36.5
140°	79.2	71.9	65.3	59.4	54.2	49.4	45.7	42.5	39.9	37.5	35.2
142.5°	73.8	67.3	61.4	56.4	51.7	47.5	43.7	40.6	37.9	35.8	33.7
145°	67.7	62.0	57.1	52.5	48.6	44.9	41.5	38.4	35.8	33.5	31.7
147.5°	60.9	56.1	51.8	48.0	44.6	41.6	38.7	36.0	33.5	31.3	29.2
150°	53.0	49.4	45.7	42.5	39.7	37.2	34.9	32.8	30.6	28.6	26.9
152.5°	44.0	41.7	38.8	36.1	33.8	31.8	29.9	28.3	27.4	26.3	25.0
155°	34.3	32.7	30.9	28.9	27.9	27.1	26.4	25.6	24.8	23.9	23.0
157.5°	27.8	27.4	26.9	26.3	25.4	24.5	23.7	23.0	22.2	21.4	20.6
160°	24.7	24.3	23.9	23.4	22.9	22.1	21.3	20.5	19.7	19.0	18.2
162.5°	21.6	21.2	20.8	20.4	20.0	19.5	18.9	18.2	17.5	16.7	15.9
165°	18.5	18.2	17.8	17.5	17.1	16.6	16.2	15.7	15.2	14.6	13.9
167.5°	15.4	15.1	14.8	14.5	14.2	13.8	13.4	13.0	12.6	12.1	11.6
170°	12.3	12.1	11.9	11.6	11.3	11.1	10.7	10.4	10.1	9.7	9.3
172.5°	9.2	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9
175°	6.2	6.1	6.0	5.8	5.7	5.5	5.4	5.2	5.0	4.8	4.6
177.5°	3.1	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3
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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.2	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0
5°	4.4	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.2	2.0
7.5°	6.6	6.3	6.0	5.6	5.3	4.9	4.5	4.2	3.8	3.4	3.0
10°	8.9	8.4	8.0	7.5	7.1	6.6	6.1	5.6	5.0	4.5	4.0
12.5°	11.1	10.6	10.0	9.4	8.8	8.2	7.5	6.9	6.2	5.5	4.9
15°	13.2	12.5	11.8	11.1	10.3	9.6	8.9	8.2	7.4	6.6	5.8
17.5°	15.2	14.5	13.7	12.9	12.1	11.3	10.5	9.6	8.7	7.8	6.8
20°	17.4	16.6	15.8	14.9	14.0	13.0	12.0	11.0	9.9	8.8	7.7
22.5°	19.7	18.8	17.8	16.7	15.6	14.4	13.3	12.1	10.9	9.7	8.5
25°	21.9	20.7	19.5	18.2	17.0	15.7	14.4	13.1	11.9	10.7	9.4
27.5°	23.7	22.4	21.0	19.7	18.4	17.2	15.9	14.6	13.2	11.8	10.3
30°	25.4	24.0	22.8	21.6	20.3	18.8	17.2	15.7	14.1	12.6	11.0
32.5°	27.6	26.2	24.9	23.2	21.6	20.0	18.3	16.6	15.0	13.3	11.5
35°	30.1	28.2	26.4	24.6	22.8	21.1	19.2	17.2	15.3	13.5	11.8
37.5°	31.6	29.6	27.7	25.9	23.7	21.6	19.5	17.7	15.9	14.1	12.4
40°	33.0	30.9	28.8	26.5	24.3	22.3	20.4	18.5	16.6	14.8	12.9
42.5°	34.3	32.0	29.6	27.5	25.4	23.3	21.3	19.3	17.3	15.3	13.4
45°	35.5	33.1	30.9	28.7	26.4	24.2	22.1	20.0	17.9	15.9	13.9
47.5°	36.8	34.5	32.1	29.6	27.3	25.1	22.8	20.6	18.6	16.4	14.3
50°	38.4	35.7	33.0	30.6	28.2	25.8	23.4	21.2	19.1	17.0	14.8
52.5°	39.6	36.7	34.2	31.6	28.8	26.4	24.1	21.8	19.7	17.5	15.2
55°	40.7	37.9	35.2	32.2	29.6	27.2	24.8	22.5	20.1	17.9	15.6
57.5°	43.4	39.3	35.8	33.0	30.5	28.0	25.5	23.0	20.6	18.2	15.9
60°	46.7	41.7	37.4	34.0	31.4	28.7	26.1	23.6	20.9	18.3	15.7
62.5°	49.2	43.7	39.3	35.6	32.3	29.5	26.8	23.8	20.9	18.0	15.2
65°	51.2	45.5	40.8	36.7	33.0	30.0	27.1	23.8	20.6	17.4	14.6
67.5°	53.0	47.0	41.9	37.3	33.3	29.9	26.6	23.5	19.9	16.4	13.7
70°	54.7	48.3	42.7	37.5	33.3	29.4	25.8	22.2	18.6	15.7	12.8
72.5°	56.1	49.4	43.1	37.6	33.0	28.8	24.9	20.7	17.7	14.8	11.9
75°	57.5	50.3	43.3	37.5	32.7	28.2	23.8	20.1	17.0	13.7	10.7
77.5°	59.0	51.1	43.8	37.6	32.5	27.6	22.8	19.8	16.2	12.7	9.7
80°	60.6	52.1	44.4	37.8	32.1	26.8	22.6	19.5	15.5	11.8	8.6
82.5°	62.4	53.3	45.1	38.1	31.8	26.1	21.7	18.1	14.5	10.9	7.6
85°	64.4	54.7	46.0	38.4	31.7	25.5	20.8	16.9	13.4	10.0	7.1
87.5°	66.8	56.5	47.3	39.1	31.8	25.3	20.1	16.1	12.9	9.7	7.3
90°	69.6	58.8	49.0	40.2	32.4	25.5	19.6	15.7	12.7	9.8	7.8
92.5°	66.8	56.5	47.3	39.1	31.8	25.3	20.1	16.1	12.9	9.7	7.3
95°	64.4	54.7	46.0	38.4	31.7	25.5	20.8	16.9	13.4	10.0	7.1
97.5°	62.4	53.3	45.1	38.1	31.8	26.1	21.7	18.1	14.5	10.9	7.6
100°	60.6	52.1	44.4	37.8	32.1	26.8	22.6	19.5	15.5	11.8	8.6
102.5°	59.0	51.1	43.8	37.6	32.5	27.6	22.8	19.8	16.2	12.7	9.7
105°	57.5	50.3	43.3	37.5	32.7	28.2	23.8	20.1	17.0	13.7	10.7
107.5°	56.1	49.4	43.1	37.6	33.0	28.8	24.9	20.7	17.7	14.8	11.9
110°	54.7	48.3	42.7	37.5	33.3	29.4	25.8	22.2	18.6	15.7	12.8



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-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°	53.0	47.0	41.9	37.3	33.3	29.9	26.6	23.5	19.9	16.4	13.7
115°	51.2	45.5	40.8	36.7	33.0	30.0	27.1	23.8	20.6	17.4	14.6
117.5°	49.2	43.7	39.3	35.6	32.3	29.5	26.8	23.8	20.9	18.0	15.2
120°	46.7	41.7	37.4	34.0	31.4	28.7	26.1	23.6	20.9	18.3	15.7
122.5°	43.4	39.3	35.8	33.0	30.5	28.0	25.5	23.0	20.6	18.2	15.9
125°	40.7	37.9	35.2	32.2	29.6	27.2	24.8	22.5	20.1	17.9	15.6
127.5°	39.6	36.7	34.2	31.6	28.8	26.4	24.1	21.8	19.7	17.5	15.2
130°	38.4	35.7	33.0	30.6	28.2	25.8	23.4	21.2	19.1	17.0	14.8
132.5°	36.8	34.5	32.1	29.6	27.3	25.1	22.8	20.6	18.6	16.4	14.3
135°	35.5	33.1	30.9	28.7	26.4	24.2	22.1	20.0	17.9	15.9	13.9
137.5°	34.3	32.0	29.6	27.5	25.4	23.3	21.3	19.3	17.3	15.3	13.4
140°	33.0	30.9	28.8	26.5	24.3	22.3	20.4	18.5	16.6	14.8	12.9
142.5°	31.6	29.6	27.7	25.9	23.7	21.6	19.5	17.7	15.9	14.1	12.4
145°	30.1	28.2	26.4	24.6	22.8	21.1	19.2	17.2	15.3	13.5	11.8
147.5°	27.6	26.2	24.9	23.2	21.6	20.0	18.3	16.6	15.0	13.3	11.5
150°	25.4	24.0	22.8	21.6	20.3	18.8	17.2	15.7	14.1	12.6	11.0
152.5°	23.7	22.4	21.0	19.7	18.4	17.2	15.9	14.6	13.2	11.8	10.3
155°	21.9	20.7	19.5	18.2	17.0	15.7	14.4	13.1	11.9	10.7	9.4
157.5°	19.7	18.8	17.8	16.7	15.6	14.4	13.3	12.1	10.9	9.7	8.5
160°	17.4	16.6	15.8	14.9	14.0	13.0	12.0	11.0	9.9	8.8	7.7
162.5°	15.2	14.5	13.7	12.9	12.1	11.3	10.5	9.6	8.7	7.8	6.8
165°	13.2	12.5	11.8	11.1	10.3	9.6	8.9	8.2	7.4	6.6	5.8
167.5°	11.1	10.6	10.0	9.4	8.8	8.2	7.5	6.9	6.2	5.5	4.9
170°	8.9	8.4	8.0	7.5	7.1	6.6	6.1	5.6	5.0	4.5	4.0
172.5°	6.6	6.3	6.0	5.6	5.3	4.9	4.5	4.2	3.8	3.4	3.0
175°	4.4	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.2	2.0
177.5°	2.2	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.1
7.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
10°	3.4	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
12.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
15°	5.0	4.2	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
17.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
20°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
22.5°	7.3	6.1	4.9	3.7	2.4	1.2	0.0	1.2	2.4	3.7	4.9
25°	8.1	6.8	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
27.5°	8.8	7.4	5.9	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.9
30°	9.4	7.9	6.3	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.3
32.5°	9.8	8.1	6.5	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.5
35°	10.1	8.4	6.7	5.0	3.4	1.7	0.0	1.7	3.4	5.0	6.7
37.5°	10.6	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
40°	11.0	9.2	7.3	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.3
42.5°	11.4	9.5	7.6	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.6
45°	11.8	9.8	7.9	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.9
47.5°	12.2	10.2	8.1	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
50°	12.7	10.5	8.4	6.3	4.2	2.1	0.0	2.1	4.2	6.3	8.4
52.5°	13.0	10.8	8.6	6.4	4.3	2.1	0.0	2.1	4.3	6.4	8.6
55°	13.3	11.0	8.8	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.8
57.5°	13.6	11.2	8.7	6.4	4.2	2.1	0.0	2.1	4.2	6.4	8.7
60°	13.2	10.7	8.5	6.3	4.2	2.1	0.0	2.1	4.2	6.3	8.5
62.5°	12.8	10.8	8.3	6.0	3.9	1.9	0.0	1.9	3.9	6.0	8.3
65°	12.1	9.8	7.5	5.3	3.4	1.7	0.0	1.7	3.4	5.3	7.5
67.5°	11.1	8.7	6.8	5.1	3.6	2.3	1.0	2.3	3.6	5.1	6.8
70°	10.1	8.0	6.3	4.9	3.5	2.2	1.0	2.2	3.5	4.9	6.3
72.5°	9.2	7.3	5.8	4.5	3.2	2.0	1.0	2.0	3.2	4.5	5.8
75°	8.5	6.5	4.7	3.7	2.8	1.8	1.0	1.8	2.8	3.7	4.7
77.5°	7.3	5.0	3.5	2.4	1.1	0.2	0.0	0.2	1.1	2.4	3.5
80°	5.9	3.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
82.5°	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.9	3.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
102.5°	7.3	5.0	3.5	2.4	1.1	0.2	0.0	0.2	1.1	2.4	3.5
105°	8.5	6.5	4.7	3.7	2.8	1.8	1.0	1.8	2.8	3.7	4.7
107.5°	9.2	7.3	5.8	4.5	3.2	2.0	1.0	2.0	3.2	4.5	5.8
110°	10.1	8.0	6.3	4.9	3.5	2.2	1.0	2.2	3.5	4.9	6.3



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	11.1	8.7	6.8	5.1	3.6	2.3	1.0	2.3	3.6	5.1	6.8
115°	12.1	9.8	7.5	5.3	3.4	1.7	0.0	1.7	3.4	5.3	7.5
117.5°	12.8	10.8	8.3	6.0	3.9	1.9	0.0	1.9	3.9	6.0	8.3
120°	13.2	10.7	8.5	6.3	4.2	2.1	0.0	2.1	4.2	6.3	8.5
122.5°	13.6	11.2	8.7	6.4	4.2	2.1	0.0	2.1	4.2	6.4	8.7
125°	13.3	11.0	8.8	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.8
127.5°	13.0	10.8	8.6	6.4	4.3	2.1	0.0	2.1	4.3	6.4	8.6
130°	12.7	10.5	8.4	6.3	4.2	2.1	0.0	2.1	4.2	6.3	8.4
132.5°	12.2	10.2	8.1	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
135°	11.8	9.8	7.9	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.9
137.5°	11.4	9.5	7.6	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.6
140°	11.0	9.2	7.3	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.3
142.5°	10.6	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
145°	10.1	8.4	6.7	5.0	3.4	1.7	0.0	1.7	3.4	5.0	6.7
147.5°	9.8	8.1	6.5	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.5
150°	9.4	7.9	6.3	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.3
152.5°	8.8	7.4	5.9	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.9
155°	8.1	6.8	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
157.5°	7.3	6.1	4.9	3.7	2.4	1.2	0.0	1.2	2.4	3.7	4.9
160°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
162.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
165°	5.0	4.2	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
167.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
170°	3.4	2.9	2.3	1.7	1.2	0.6	0.0	0.6	1.2	1.7	2.3
172.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
175°	1.7	1.4	1.1	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.1
177.5°	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.7	0.8	1.0	1.1	1.3	1.4	1.5	1.6	1.8	1.9	2.0
5°	1.4	1.7	2.0	2.2	2.5	2.8	3.0	3.3	3.5	3.8	4.0
7.5°	2.1	2.6	3.0	3.4	3.8	4.2	4.5	4.9	5.3	5.6	6.0
10°	2.9	3.4	4.0	4.5	5.0	5.6	6.1	6.6	7.1	7.5	8.0
12.5°	3.5	4.2	4.9	5.5	6.2	6.9	7.5	8.2	8.8	9.4	10.0
15°	4.2	5.0	5.8	6.6	7.4	8.2	8.9	9.6	10.3	11.1	11.8
17.5°	4.9	5.9	6.8	7.8	8.7	9.6	10.5	11.3	12.1	12.9	13.7
20°	5.5	6.6	7.7	8.8	9.9	11.0	12.0	13.0	14.0	14.9	15.8
22.5°	6.1	7.3	8.5	9.7	10.9	12.1	13.3	14.4	15.6	16.7	17.8
25°	6.8	8.1	9.4	10.7	11.9	13.1	14.4	15.7	17.0	18.2	19.5
27.5°	7.4	8.8	10.3	11.8	13.2	14.6	15.9	17.2	18.4	19.7	21.0
30°	7.9	9.4	11.0	12.6	14.1	15.7	17.2	18.8	20.3	21.6	22.8
32.5°	8.1	9.8	11.5	13.3	15.0	16.6	18.3	20.0	21.6	23.2	24.9
35°	8.4	10.1	11.8	13.5	15.3	17.2	19.2	21.1	22.8	24.6	26.4
37.5°	8.8	10.6	12.4	14.1	15.9	17.7	19.5	21.6	23.7	25.9	27.7
40°	9.2	11.0	12.9	14.8	16.6	18.5	20.4	22.3	24.3	26.5	28.8
42.5°	9.5	11.4	13.4	15.3	17.3	19.3	21.3	23.3	25.4	27.5	29.6
45°	9.8	11.8	13.9	15.9	17.9	20.0	22.1	24.2	26.4	28.7	30.9
47.5°	10.2	12.2	14.3	16.4	18.6	20.6	22.8	25.1	27.3	29.6	32.1
50°	10.5	12.7	14.8	17.0	19.1	21.2	23.4	25.8	28.2	30.6	33.0
52.5°	10.8	13.0	15.2	17.5	19.7	21.8	24.1	26.4	28.8	31.6	34.2
55°	11.0	13.3	15.6	17.9	20.1	22.5	24.8	27.2	29.6	32.2	35.2
57.5°	11.2	13.6	15.9	18.2	20.6	23.0	25.5	28.0	30.5	33.0	35.8
60°	10.7	13.2	15.7	18.3	20.9	23.6	26.1	28.7	31.4	34.0	37.4
62.5°	10.8	12.8	15.2	18.0	20.9	23.8	26.8	29.5	32.3	35.6	39.3
65°	9.8	12.1	14.6	17.4	20.6	23.8	27.1	30.0	33.0	36.7	40.8
67.5°	8.7	11.1	13.7	16.4	19.9	23.5	26.6	29.9	33.3	37.3	41.9
70°	8.0	10.1	12.8	15.7	18.6	22.2	25.8	29.4	33.3	37.5	42.7
72.5°	7.3	9.2	11.9	14.8	17.7	20.7	24.9	28.8	33.0	37.6	43.1
75°	6.5	8.5	10.7	13.7	17.0	20.1	23.8	28.2	32.7	37.5	43.3
77.5°	5.0	7.3	9.7	12.7	16.2	19.8	22.8	27.6	32.5	37.6	43.8
80°	3.8	5.9	8.6	11.8	15.5	19.5	22.6	26.8	32.1	37.8	44.4
82.5°	2.4	4.8	7.6	10.9	14.5	18.1	21.7	26.1	31.8	38.1	45.1
85°	1.1	4.2	7.1	10.0	13.4	16.9	20.8	25.5	31.7	38.4	46.0
87.5°	0.4	4.3	7.3	9.7	12.9	16.1	20.1	25.3	31.8	39.1	47.3
90°	0.0	4.9	7.8	9.8	12.7	15.7	19.6	25.5	32.4	40.2	49.0
92.5°	0.4	4.3	7.3	9.7	12.9	16.1	20.1	25.3	31.8	39.1	47.3
95°	1.1	4.2	7.1	10.0	13.4	16.9	20.8	25.5	31.7	38.4	46.0
97.5°	2.4	4.8	7.6	10.9	14.5	18.1	21.7	26.1	31.8	38.1	45.1
100°	3.8	5.9	8.6	11.8	15.5	19.5	22.6	26.8	32.1	37.8	44.4
102.5°	5.0	7.3	9.7	12.7	16.2	19.8	22.8	27.6	32.5	37.6	43.8
105°	6.5	8.5	10.7	13.7	17.0	20.1	23.8	28.2	32.7	37.5	43.3
107.5°	7.3	9.2	11.9	14.8	17.7	20.7	24.9	28.8	33.0	37.6	43.1
110°	8.0	10.1	12.8	15.7	18.6	22.2	25.8	29.4	33.3	37.5	42.7



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	8.7	11.1	13.7	16.4	19.9	23.5	26.6	29.9	33.3	37.3	41.9
115°	9.8	12.1	14.6	17.4	20.6	23.8	27.1	30.0	33.0	36.7	40.8
117.5°	10.8	12.8	15.2	18.0	20.9	23.8	26.8	29.5	32.3	35.6	39.3
120°	10.7	13.2	15.7	18.3	20.9	23.6	26.1	28.7	31.4	34.0	37.4
122.5°	11.2	13.6	15.9	18.2	20.6	23.0	25.5	28.0	30.5	33.0	35.8
125°	11.0	13.3	15.6	17.9	20.1	22.5	24.8	27.2	29.6	32.2	35.2
127.5°	10.8	13.0	15.2	17.5	19.7	21.8	24.1	26.4	28.8	31.6	34.2
130°	10.5	12.7	14.8	17.0	19.1	21.2	23.4	25.8	28.2	30.6	33.0
132.5°	10.2	12.2	14.3	16.4	18.6	20.6	22.8	25.1	27.3	29.6	32.1
135°	9.8	11.8	13.9	15.9	17.9	20.0	22.1	24.2	26.4	28.7	30.9
137.5°	9.5	11.4	13.4	15.3	17.3	19.3	21.3	23.3	25.4	27.5	29.6
140°	9.2	11.0	12.9	14.8	16.6	18.5	20.4	22.3	24.3	26.5	28.8
142.5°	8.8	10.6	12.4	14.1	15.9	17.7	19.5	21.6	23.7	25.9	27.7
145°	8.4	10.1	11.8	13.5	15.3	17.2	19.2	21.1	22.8	24.6	26.4
147.5°	8.1	9.8	11.5	13.3	15.0	16.6	18.3	20.0	21.6	23.2	24.9
150°	7.9	9.4	11.0	12.6	14.1	15.7	17.2	18.8	20.3	21.6	22.8
152.5°	7.4	8.8	10.3	11.8	13.2	14.6	15.9	17.2	18.4	19.7	21.0
155°	6.8	8.1	9.4	10.7	11.9	13.1	14.4	15.7	17.0	18.2	19.5
157.5°	6.1	7.3	8.5	9.7	10.9	12.1	13.3	14.4	15.6	16.7	17.8
160°	5.5	6.6	7.7	8.8	9.9	11.0	12.0	13.0	14.0	14.9	15.8
162.5°	4.9	5.9	6.8	7.8	8.7	9.6	10.5	11.3	12.1	12.9	13.7
165°	4.2	5.0	5.8	6.6	7.4	8.2	8.9	9.6	10.3	11.1	11.8
167.5°	3.5	4.2	4.9	5.5	6.2	6.9	7.5	8.2	8.8	9.4	10.0
170°	2.9	3.4	4.0	4.5	5.0	5.6	6.1	6.6	7.1	7.5	8.0
172.5°	2.1	2.6	3.0	3.4	3.8	4.2	4.5	4.9	5.3	5.6	6.0
175°	1.4	1.7	2.0	2.2	2.5	2.8	3.0	3.3	3.5	3.8	4.0
177.5°	0.7	0.8	1.0	1.1	1.3	1.4	1.5	1.6	1.8	1.9	2.0
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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0
5°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.8	6.0
7.5°	6.3	6.6	6.9	7.2	7.5	7.8	8.0	8.3	8.5	8.7	8.9
10°	8.4	8.9	9.3	9.7	10.1	10.4	10.7	11.1	11.3	11.6	11.9
12.5°	10.6	11.1	11.6	12.1	12.6	13.0	13.4	13.8	14.2	14.5	14.8
15°	12.5	13.2	13.9	14.6	15.2	15.7	16.2	16.6	17.1	17.5	17.8
17.5°	14.5	15.2	15.9	16.7	17.5	18.2	18.9	19.5	20.0	20.4	20.8
20°	16.6	17.4	18.2	19.0	19.7	20.5	21.3	22.1	22.9	23.4	23.9
22.5°	18.8	19.7	20.6	21.4	22.2	23.0	23.7	24.5	25.4	26.3	26.9
25°	20.7	21.9	23.0	23.9	24.8	25.6	26.4	27.1	27.9	28.9	30.9
27.5°	22.4	23.7	25.0	26.3	27.4	28.3	29.9	31.8	33.8	36.1	38.8
30°	24.0	25.4	26.9	28.6	30.6	32.8	34.9	37.2	39.7	42.5	45.7
32.5°	26.2	27.6	29.2	31.3	33.5	36.0	38.7	41.6	44.6	48.0	51.8
35°	28.2	30.1	31.7	33.5	35.8	38.4	41.5	44.9	48.6	52.5	57.1
37.5°	29.6	31.6	33.7	35.8	37.9	40.6	43.7	47.5	51.7	56.4	61.4
40°	30.9	33.0	35.2	37.5	39.9	42.5	45.7	49.4	54.2	59.4	65.3
42.5°	32.0	34.3	36.5	38.9	41.6	44.4	47.4	51.4	56.0	61.9	68.4
45°	33.1	35.5	37.8	40.3	43.0	46.0	49.3	53.0	57.9	63.9	70.9
47.5°	34.5	36.8	39.2	41.7	44.4	47.5	50.9	54.8	59.7	65.4	73.3
50°	35.7	38.4	40.8	43.3	45.8	48.8	52.4	56.7	62.8	69.4	76.8
52.5°	36.7	39.6	42.4	45.0	47.4	52.3	57.7	63.5	69.4	75.4	81.3
55°	37.9	40.7	44.3	48.9	53.6	58.7	64.4	70.4	76.4	82.2	87.0
57.5°	39.3	43.4	48.3	53.9	59.3	65.0	71.1	77.3	83.7	89.5	93.8
60°	41.7	46.7	51.8	58.1	64.5	70.9	77.6	84.3	90.9	96.9	101.2
62.5°	43.7	49.2	55.1	61.7	69.1	76.3	83.8	91.1	98.2	104.6	109.3
65°	45.5	51.2	57.7	64.9	73.1	81.4	89.6	97.8	105.5	112.5	117.9
67.5°	47.0	53.0	60.0	67.9	76.7	86.1	95.3	104.5	112.9	120.4	125.8
70°	48.3	54.7	62.1	70.6	80.1	90.6	100.7	111.0	120.0	127.5	131.9
72.5°	49.4	56.1	64.0	73.1	83.3	94.0	103.9	113.4	121.4	127.5	131.3
75°	50.3	57.5	65.9	75.1	85.1	95.4	105.4	114.6	122.5	128.1	131.2
77.5°	51.1	59.0	67.6	77.2	87.2	97.4	107.2	116.3	124.0	129.0	131.3
80°	52.1	60.6	69.6	79.5	89.8	99.9	109.4	118.3	125.8	130.3	131.7
82.5°	53.3	62.4	71.8	82.1	92.8	102.8	112.0	120.7	127.9	131.9	132.3
85°	54.7	64.4	74.2	85.1	96.1	106.1	114.9	123.3	130.2	133.6	133.0
87.5°	56.5	66.8	77.1	88.4	99.8	109.7	118.1	126.3	132.7	135.4	133.7
90°	58.8	69.6	80.4	92.2	103.9	113.7	121.6	129.4	135.3	137.3	134.3
92.5°	56.5	66.8	77.1	88.4	99.8	109.7	118.1	126.3	132.7	135.4	133.7
95°	54.7	64.4	74.2	85.1	96.1	106.1	114.9	123.3	130.2	133.6	133.0
97.5°	53.3	62.4	71.8	82.1	92.8	102.8	112.0	120.7	127.9	131.9	132.3
100°	52.1	60.6	69.6	79.5	89.8	99.9	109.4	118.3	125.8	130.3	131.7
102.5°	51.1	59.0	67.6	77.2	87.2	97.4	107.2	116.3	124.0	129.0	131.3
105°	50.3	57.5	65.9	75.1	85.1	95.4	105.4	114.6	122.5	128.1	131.2
107.5°	49.4	56.1	64.0	73.1	83.3	94.0	103.9	113.4	121.4	127.5	131.3
110°	48.3	54.7	62.1	70.6	80.1	90.6	100.7	111.0	120.0	127.5	131.9



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	47.0	53.0	60.0	67.9	76.7	86.1	95.3	104.5	112.9	120.4	125.8
115°	45.5	51.2	57.7	64.9	73.1	81.4	89.6	97.8	105.5	112.5	117.9
117.5°	43.7	49.2	55.1	61.7	69.1	76.3	83.8	91.1	98.2	104.6	109.3
120°	41.7	46.7	51.8	58.1	64.5	70.9	77.6	84.3	90.9	96.9	101.2
122.5°	39.3	43.4	48.3	53.9	59.3	65.0	71.1	77.3	83.7	89.5	93.8
125°	37.9	40.7	44.3	48.9	53.6	58.7	64.4	70.4	76.4	82.2	87.0
127.5°	36.7	39.6	42.4	45.0	47.4	52.3	57.7	63.5	69.4	75.4	81.3
130°	35.7	38.4	40.8	43.3	45.8	48.8	52.4	56.7	62.8	69.4	76.8
132.5°	34.5	36.8	39.2	41.7	44.4	47.5	50.9	54.8	59.7	65.4	73.3
135°	33.1	35.5	37.8	40.3	43.0	46.0	49.3	53.0	57.9	63.9	70.9
137.5°	32.0	34.3	36.5	38.9	41.6	44.4	47.4	51.4	56.0	61.9	68.4
140°	30.9	33.0	35.2	37.5	39.9	42.5	45.7	49.4	54.2	59.4	65.3
142.5°	29.6	31.6	33.7	35.8	37.9	40.6	43.7	47.5	51.7	56.4	61.4
145°	28.2	30.1	31.7	33.5	35.8	38.4	41.5	44.9	48.6	52.5	57.1
147.5°	26.2	27.6	29.2	31.3	33.5	36.0	38.7	41.6	44.6	48.0	51.8
150°	24.0	25.4	26.9	28.6	30.6	32.8	34.9	37.2	39.7	42.5	45.7
152.5°	22.4	23.7	25.0	26.3	27.4	28.3	29.9	31.8	33.8	36.1	38.8
155°	20.7	21.9	23.0	23.9	24.8	25.6	26.4	27.1	27.9	28.9	30.9
157.5°	18.8	19.7	20.6	21.4	22.2	23.0	23.7	24.5	25.4	26.3	26.9
160°	16.6	17.4	18.2	19.0	19.7	20.5	21.3	22.1	22.9	23.4	23.9
162.5°	14.5	15.2	15.9	16.7	17.5	18.2	18.9	19.5	20.0	20.4	20.8
165°	12.5	13.2	13.9	14.6	15.2	15.7	16.2	16.6	17.1	17.5	17.8
167.5°	10.6	11.1	11.6	12.1	12.6	13.0	13.4	13.8	14.2	14.5	14.8
170°	8.4	8.9	9.3	9.7	10.1	10.4	10.7	11.1	11.3	11.6	11.9
172.5°	6.3	6.6	6.9	7.2	7.5	7.8	8.0	8.3	8.5	8.7	8.9
175°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.8	6.0
177.5°	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0
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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.8
5°	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.7	6.8	7.6
7.5°	9.1	9.2	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.1	11.4
10°	12.1	12.3	12.5	12.6	12.8	13.0	13.2	13.3	13.4	13.5	15.1
12.5°	15.1	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	16.9	18.9
15°	18.2	18.5	18.7	19.0	19.2	19.3	19.6	19.8	20.1	20.3	22.6
17.5°	21.2	21.6	21.9	22.1	22.4	22.5	22.8	23.1	23.4	23.6	26.3
20°	24.3	24.7	25.0	25.3	25.6	25.8	25.9	26.3	26.7	27.0	30.0
22.5°	27.4	27.8	28.2	28.5	28.8	29.0	29.2	29.5	30.0	30.4	33.7
25°	32.7	34.3	35.8	37.1	38.1	38.8	39.4	39.8	40.3	40.6	44.0
27.5°	41.7	44.0	46.1	47.7	48.9	49.7	50.1	50.4	50.7	50.9	54.4
30°	49.4	53.0	55.8	58.4	59.7	60.7	61.0	61.0	61.2	61.1	64.6
32.5°	56.1	60.9	64.9	68.3	70.4	71.6	71.9	71.8	71.7	71.4	74.8
35°	62.0	67.7	73.6	77.8	81.2	82.5	82.9	82.6	82.2	81.6	85.0
37.5°	67.3	73.8	81.0	86.8	91.9	93.3	94.0	93.4	92.7	91.9	95.1
40°	71.9	79.2	87.6	95.5	101.3	104.1	105.2	104.3	103.3	102.1	105.2
42.5°	75.6	84.2	93.5	104.0	110.6	114.9	116.3	115.3	113.9	112.4	115.3
45°	79.2	88.6	98.9	110.5	119.6	125.7	127.2	126.2	124.5	122.6	125.2
47.5°	82.2	91.5	101.6	112.6	122.1	129.1	130.9	131.8	132.5	133.5	139.3
50°	84.7	93.0	102.2	112.2	122.2	130.3	133.6	136.6	140.2	144.4	153.7
52.5°	88.2	95.6	103.5	112.4	122.3	130.9	136.0	141.2	147.7	155.3	168.3
55°	92.8	99.0	105.5	113.0	122.4	131.6	138.2	145.3	154.9	166.2	183.1
57.5°	98.2	103.1	108.2	114.3	122.9	132.2	140.3	149.2	162.0	177.0	198.1
60°	104.3	107.9	111.7	116.5	123.6	132.9	142.2	152.7	168.9	187.9	213.3
62.5°	111.0	113.4	115.7	119.1	124.8	133.6	143.9	156.1	175.7	198.8	228.6
65°	118.4	119.4	120.4	122.1	126.2	134.3	145.6	159.2	182.3	209.7	244.0
67.5°	126.3	125.9	125.4	125.5	127.9	135.1	147.1	162.1	188.9	220.6	259.5
70°	131.4	128.9	126.8	125.6	127.2	133.6	145.8	160.4	186.9	218.6	258.1
72.5°	131.1	128.2	125.8	124.3	125.8	131.8	144.3	158.7	185.0	216.7	256.5
75°	130.8	127.6	124.8	123.0	124.5	130.1	143.0	157.1	183.2	214.7	256.3
77.5°	130.5	126.9	123.8	121.7	123.2	128.4	141.7	155.7	181.4	212.8	254.1
80°	130.2	126.3	122.8	120.3	122.0	126.9	140.4	154.3	179.7	210.8	251.9
82.5°	129.8	125.7	121.8	118.9	120.9	125.4	139.3	153.1	178.0	208.9	249.7
85°	129.4	125.0	120.8	117.5	119.8	124.0	138.2	151.9	176.5	206.9	247.6
87.5°	128.9	124.3	119.7	116.1	118.7	122.8	137.2	150.9	175.0	205.0	245.4
90°	128.4	123.5	118.6	114.7	117.7	121.6	136.3	150.0	173.5	203.0	243.2
92.5°	128.9	124.3	119.7	116.1	118.7	122.8	137.2	150.9	175.0	205.0	245.4
95°	129.4	125.0	120.8	117.5	119.8	124.0	138.2	151.9	176.5	206.9	247.6
97.5°	129.8	125.7	121.8	118.9	120.9	125.4	139.3	153.1	178.0	208.9	249.7
100°	130.2	126.3	122.8	120.3	122.0	126.9	140.4	154.3	179.7	210.8	251.9
102.5°	130.5	126.9	123.8	121.7	123.2	128.4	141.7	155.7	181.4	212.8	254.1
105°	130.8	127.6	124.8	123.0	124.5	130.1	143.0	157.1	183.2	214.7	256.3
107.5°	131.1	128.2	125.8	124.3	125.8	131.8	144.3	158.7	185.0	216.7	256.5
110°	131.4	128.9	126.8	125.6	127.2	133.6	145.8	160.4	186.9	218.6	258.1



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-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°	126.3	125.9	125.4	125.5	127.9	135.1	147.1	162.1	188.9	220.6	259.5
115°	118.4	119.4	120.4	122.1	126.2	134.3	145.6	159.2	182.3	209.7	244.0
117.5°	111.0	113.4	115.7	119.1	124.8	133.6	143.9	156.1	175.7	198.8	228.6
120°	104.3	107.9	111.7	116.5	123.6	132.9	142.2	152.7	168.9	187.9	213.3
122.5°	98.2	103.1	108.2	114.3	122.9	132.2	140.3	149.2	162.0	177.0	198.1
125°	92.8	99.0	105.5	113.0	122.4	131.6	138.2	145.3	154.9	166.2	183.1
127.5°	88.2	95.6	103.5	112.4	122.3	130.9	136.0	141.2	147.7	155.3	168.3
130°	84.7	93.0	102.2	112.2	122.2	130.3	133.6	136.6	140.2	144.4	153.7
132.5°	82.2	91.5	101.6	112.6	122.1	129.1	130.9	131.8	132.5	133.5	139.3
135°	79.2	88.6	98.9	110.5	119.6	125.7	127.2	126.2	124.5	122.6	125.2
137.5°	75.6	84.2	93.5	104.0	110.6	114.9	116.3	115.3	113.9	112.4	115.3
140°	71.9	79.2	87.6	95.5	101.3	104.1	105.2	104.3	103.3	102.1	105.2
142.5°	67.3	73.8	81.0	86.8	91.9	93.3	94.0	93.4	92.7	91.9	95.1
145°	62.0	67.7	73.6	77.8	81.2	82.5	82.9	82.6	82.2	81.6	85.0
147.5°	56.1	60.9	64.9	68.3	70.4	71.6	71.9	71.8	71.7	71.4	74.8
150°	49.4	53.0	55.8	58.4	59.7	60.7	61.0	61.0	61.2	61.1	64.6
152.5°	41.7	44.0	46.1	47.7	48.9	49.7	50.1	50.4	50.7	50.9	54.4
155°	32.7	34.3	35.8	37.1	38.1	38.8	39.4	39.8	40.3	40.6	44.0
157.5°	27.4	27.8	28.2	28.5	28.8	29.0	29.2	29.5	30.0	30.4	33.7
160°	24.3	24.7	25.0	25.3	25.6	25.8	25.9	26.3	26.7	27.0	30.0
162.5°	21.2	21.6	21.9	22.1	22.4	22.5	22.8	23.1	23.4	23.6	26.3
165°	18.2	18.5	18.7	19.0	19.2	19.3	19.6	19.8	20.1	20.3	22.6
167.5°	15.1	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	16.9	18.9
170°	12.1	12.3	12.5	12.6	12.8	13.0	13.2	13.3	13.4	13.5	15.1
172.5°	9.1	9.2	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.1	11.4
175°	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.7	6.8	7.6
177.5°	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.2	4.6	5.0	5.4	5.8	6.1	6.5	6.8	7.2	7.5	7.8
5°	8.4	9.2	10.0	10.7	11.5	12.2	12.9	13.6	14.2	14.9	15.5
7.5°	12.6	13.7	14.9	16.0	17.1	18.2	19.4	21.0	22.5	24.0	25.5
10°	16.7	18.3	19.8	21.3	22.9	25.1	27.3	29.4	31.4	33.4	35.5
12.5°	20.8	22.7	24.6	26.8	29.6	32.4	35.1	37.7	40.3	42.9	45.4
15°	24.9	27.2	29.5	33.0	36.3	39.6	42.8	46.0	49.1	52.1	55.4
17.5°	29.0	31.6	35.1	39.0	42.9	46.7	50.3	53.9	57.5	60.8	64.1
20°	33.0	36.1	40.6	45.0	49.4	53.5	57.6	61.5	65.4	69.1	72.8
22.5°	37.0	41.0	46.0	50.9	55.6	60.0	64.5	68.8	73.0	77.0	80.6
25°	47.3	51.7	56.6	61.4	65.7	69.8	73.8	77.5	81.0	83.8	87.5
27.5°	57.7	62.7	67.9	72.7	77.2	81.6	85.6	89.4	92.4	95.3	98.0
30°	67.9	73.5	79.0	83.8	88.9	92.9	97.0	100.3	103.4	106.3	109.1
32.5°	78.5	84.2	89.6	94.7	99.5	103.8	107.6	110.9	114.0	116.9	120.3
35°	88.9	94.7	100.2	105.4	110.1	114.7	117.8	121.1	124.0	127.2	131.2
37.5°	99.3	105.1	110.6	115.9	120.3	124.3	127.7	130.7	133.8	137.3	141.8
40°	109.5	115.4	120.9	126.0	130.3	133.9	137.1	139.9	143.0	146.6	153.5
42.5°	119.7	125.5	131.0	135.8	139.9	143.2	146.1	148.8	151.8	156.8	164.0
45°	129.7	135.4	141.0	145.4	149.1	152.3	154.8	157.2	159.9	166.5	174.7
47.5°	147.3	155.7	162.2	164.9	166.4	167.1	167.1	166.5	168.8	175.8	185.0
50°	165.8	177.4	186.0	188.2	188.8	189.1	189.2	188.4	190.3	194.2	199.9
52.5°	184.8	199.6	209.4	211.2	210.9	211.2	211.2	210.6	213.1	218.0	224.4
55°	204.2	222.2	232.6	233.8	232.5	233.2	233.1	233.3	235.8	241.1	247.3
57.5°	224.0	245.2	255.7	256.1	254.1	255.4	254.8	255.6	258.7	263.6	269.0
60°	244.1	268.4	278.6	278.0	276.0	277.4	276.5	277.4	281.0	285.0	289.0
62.5°	264.6	292.0	301.5	299.8	297.9	299.1	298.2	298.9	302.8	305.2	307.9
65°	285.3	315.7	324.2	321.4	319.8	320.8	319.9	320.5	324.0	324.4	325.5
67.5°	306.2	339.6	346.9	342.8	341.8	342.4	341.4	342.0	344.0	342.6	341.9
70°	306.5	343.3	355.0	354.8	355.7	356.5	356.5	358.4	360.2	359.1	357.2
72.5°	306.0	345.7	361.7	365.1	366.2	366.1	365.6	366.4	365.8	363.5	362.2
75°	305.3	348.1	369.0	375.9	376.5	375.7	374.4	373.8	371.1	367.5	366.0
77.5°	304.4	350.4	376.7	387.1	386.5	385.2	383.1	380.8	376.1	371.1	369.9
80°	305.0	352.7	384.7	398.6	396.4	394.6	391.6	387.4	380.9	374.6	374.0
82.5°	303.0	356.2	394.1	410.2	406.1	404.1	400.1	393.8	385.6	378.0	378.0
85°	301.0	357.4	401.7	422.3	415.7	413.4	408.4	399.8	390.3	381.3	382.1
87.5°	299.1	358.6	409.2	433.7	425.5	422.9	416.9	406.3	394.9	384.6	386.2
90°	297.1	359.8	416.7	445.1	435.3	432.4	425.5	412.8	400.0	388.3	390.2
92.5°	299.1	358.6	409.2	433.7	425.5	422.9	416.9	406.3	394.9	384.6	386.2
95°	301.0	357.4	401.7	422.3	415.7	413.4	408.4	399.8	390.3	381.3	382.1
97.5°	303.0	356.2	394.1	410.2	406.1	404.1	400.1	393.8	385.6	378.0	378.0
100°	305.0	352.7	384.7	398.6	396.4	394.6	391.6	387.4	380.9	374.6	374.0
102.5°	304.4	350.4	376.7	387.1	386.5	385.2	383.1	380.8	376.1	371.1	369.9
105°	305.3	348.1	369.0	375.9	376.5	375.7	374.4	373.8	371.1	367.5	366.0
107.5°	306.0	345.7	361.7	365.1	366.2	366.1	365.6	366.4	365.8	363.5	362.2
110°	306.5	343.3	355.0	354.8	355.7	356.5	356.5	358.4	360.2	359.1	357.2



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	306.2	339.6	346.9	342.8	341.8	342.4	341.4	342.0	344.0	342.6	341.9
115°	285.3	315.7	324.2	321.4	319.8	320.8	319.9	320.5	324.0	324.4	325.5
117.5°	264.6	292.0	301.5	299.8	297.9	299.1	298.2	298.9	302.8	305.2	307.9
120°	244.1	268.4	278.6	278.0	276.0	277.4	276.5	277.4	281.0	285.0	289.0
122.5°	224.0	245.2	255.7	256.1	254.1	255.4	254.8	255.6	258.7	263.6	269.0
125°	204.2	222.2	232.6	233.8	232.5	233.2	233.1	233.3	235.8	241.1	247.3
127.5°	184.8	199.6	209.4	211.2	210.9	211.2	211.2	210.6	213.1	218.0	224.4
130°	165.8	177.4	186.0	188.2	188.8	189.1	189.2	188.4	190.3	194.2	199.9
132.5°	147.3	155.7	162.2	164.9	166.4	167.1	167.1	166.5	168.8	175.8	185.0
135°	129.7	135.4	141.0	145.4	149.1	152.3	154.8	157.2	159.9	166.5	174.7
137.5°	119.7	125.5	131.0	135.8	139.9	143.2	146.1	148.8	151.8	156.8	164.0
140°	109.5	115.4	120.9	126.0	130.3	133.9	137.1	139.9	143.0	146.6	153.5
142.5°	99.3	105.1	110.6	115.9	120.3	124.3	127.7	130.7	133.8	137.3	141.8
145°	88.9	94.7	100.2	105.4	110.1	114.7	117.8	121.1	124.0	127.2	131.2
147.5°	78.5	84.2	89.6	94.7	99.5	103.8	107.6	110.9	114.0	116.9	120.3
150°	67.9	73.5	79.0	83.8	88.9	92.9	97.0	100.3	103.4	106.3	109.1
152.5°	57.7	62.7	67.9	72.7	77.2	81.6	85.6	89.4	92.4	95.3	98.0
155°	47.3	51.7	56.6	61.4	65.7	69.8	73.8	77.5	81.0	83.8	87.5
157.5°	37.0	41.0	46.0	50.9	55.6	60.0	64.5	68.8	73.0	77.0	80.6
160°	33.0	36.1	40.6	45.0	49.4	53.5	57.6	61.5	65.4	69.1	72.8
162.5°	29.0	31.6	35.1	39.0	42.9	46.7	50.3	53.9	57.5	60.8	64.1
165°	24.9	27.2	29.5	33.0	36.3	39.6	42.8	46.0	49.1	52.1	55.4
167.5°	20.8	22.7	24.6	26.8	29.6	32.4	35.1	37.7	40.3	42.9	45.4
170°	16.7	18.3	19.8	21.3	22.9	25.1	27.3	29.4	31.4	33.4	35.5
172.5°	12.6	13.7	14.9	16.0	17.1	18.2	19.4	21.0	22.5	24.0	25.5
175°	8.4	9.2	10.0	10.7	11.5	12.2	12.9	13.6	14.2	14.9	15.5
177.5°	4.2	4.6	5.0	5.4	5.8	6.1	6.5	6.8	7.2	7.5	7.8
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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.1	8.3	8.6	8.8	9.1	9.3	9.5	9.6	9.8	9.9	10.0
5°	16.4	17.3	18.1	18.9	19.7	20.4	21.1	21.7	22.3	22.8	23.3
7.5°	26.9	28.2	29.5	30.7	31.9	33.1	34.2	35.3	36.3	37.2	38.1
10°	37.3	39.2	41.1	42.9	44.6	46.2	47.7	49.1	50.4	51.5	52.6
12.5°	47.8	50.2	52.5	54.6	56.6	58.5	60.3	62.0	63.6	65.1	66.6
15°	57.8	60.5	63.1	65.6	68.0	70.3	72.5	74.6	76.7	78.7	80.6
17.5°	67.3	70.7	73.2	76.1	78.8	81.5	84.3	87.3	90.1	92.9	95.7
20°	76.1	79.4	82.6	85.8	89.3	92.7	96.1	99.4	102.4	105.1	107.7
22.5°	84.1	87.7	91.4	95.2	99.0	102.9	106.6	110.2	113.5	116.6	119.2
25°	91.3	95.2	99.6	103.9	108.5	112.9	118.0	122.5	126.4	129.8	132.8
27.5°	100.6	103.7	107.8	113.1	119.8	126.4	132.9	137.4	141.9	145.7	149.1
30°	112.6	116.7	121.4	128.3	135.1	142.0	148.6	154.3	159.9	164.6	168.8
32.5°	124.5	129.8	137.1	144.4	151.9	159.2	167.0	174.4	180.3	185.1	189.4
35°	136.5	144.0	151.8	159.9	168.1	177.0	185.5	193.0	200.1	206.7	212.8
37.5°	149.3	157.3	166.0	175.1	184.8	194.0	202.6	211.2	220.1	229.3	238.2
40°	161.2	170.3	180.0	190.5	200.7	210.4	220.6	230.9	241.6	252.8	264.5
42.5°	173.1	182.9	194.2	205.3	216.1	227.9	239.5	251.7	264.8	278.2	292.9
45°	184.3	196.0	207.9	219.8	232.7	245.8	258.8	272.2	287.5	304.3	323.5
47.5°	196.1	208.5	221.4	235.2	249.7	263.2	277.2	292.9	311.4	331.8	359.1
50°	208.3	221.0	235.1	251.0	265.3	279.4	295.0	314.0	336.3	366.1	398.9
52.5°	232.1	241.2	253.1	265.4	280.2	294.6	312.9	335.4	366.5	402.0	442.2
55°	254.5	263.4	275.5	285.1	296.3	309.5	330.2	361.0	397.3	439.5	491.0
57.5°	275.1	283.7	293.3	303.1	314.5	331.3	355.3	386.6	429.3	482.5	540.7
60°	294.2	301.8	310.1	320.0	333.4	352.5	382.0	420.8	468.3	524.6	590.0
62.5°	312.0	317.9	325.4	335.4	351.2	376.0	410.3	453.7	509.2	571.7	644.4
65°	328.0	332.7	340.0	351.1	368.4	396.5	437.2	488.4	549.0	618.6	702.6
67.5°	342.3	346.3	353.4	365.8	386.7	419.1	463.3	518.2	585.3	667.0	756.3
70°	355.8	358.8	365.6	378.9	402.6	439.8	488.2	548.6	622.2	708.7	804.5
72.5°	363.5	368.9	377.6	392.0	416.8	459.3	508.6	574.6	655.3	743.9	843.3
75°	369.2	376.7	388.0	405.8	434.7	476.9	529.3	597.5	681.5	770.4	876.4
77.5°	375.1	384.7	398.1	418.7	451.1	496.0	553.3	624.6	706.2	796.2	901.7
80°	381.2	392.8	408.0	430.7	465.5	512.9	573.3	645.9	726.7	822.1	930.9
82.5°	387.3	400.9	417.5	441.8	477.9	527.6	589.6	661.7	741.1	841.2	951.9
85°	393.4	408.8	426.6	452.0	488.6	540.0	602.3	672.3	749.8	853.6	964.5
87.5°	399.5	416.7	435.5	461.8	498.3	551.3	613.0	680.1	755.4	862.4	972.8
90°	404.9	423.6	443.2	469.6	504.9	557.9	617.7	680.4	752.0	857.9	965.7
92.5°	399.5	416.7	435.5	461.8	498.3	551.3	613.0	680.1	755.4	862.4	972.8
95°	393.4	408.8	426.6	452.0	488.6	540.0	602.3	672.3	749.8	853.6	964.5
97.5°	387.3	400.9	417.5	441.8	477.9	527.6	589.6	661.7	741.1	841.2	951.9
100°	381.2	392.8	408.0	430.7	465.5	512.9	573.3	645.9	726.7	822.1	930.9
102.5°	375.1	384.7	398.1	418.7	451.1	496.0	553.3	624.6	706.2	796.2	901.7
105°	369.2	376.7	388.0	405.8	434.7	476.9	529.3	597.5	681.5	770.4	876.4
107.5°	363.5	368.9	377.6	392.0	416.8	459.3	508.6	574.6	655.3	743.9	843.3
110°	355.8	358.8	365.6	378.9	402.6	439.8	488.2	548.6	622.2	708.7	804.5



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-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°	342.3	346.3	353.4	365.8	386.7	419.1	463.3	518.2	585.3	667.0	756.3
115°	328.0	332.7	340.0	351.1	368.4	396.5	437.2	488.4	549.0	618.6	702.6
117.5°	312.0	317.9	325.4	335.4	351.2	376.0	410.3	453.7	509.2	571.7	644.4
120°	294.2	301.8	310.1	320.0	333.4	352.5	382.0	420.8	468.3	524.6	590.0
122.5°	275.1	283.7	293.3	303.1	314.5	331.3	355.3	386.6	429.3	482.5	540.7
125°	254.5	263.4	275.5	285.1	296.3	309.5	330.2	361.0	397.3	439.5	491.0
127.5°	232.1	241.2	253.1	265.4	280.2	294.6	312.9	335.4	366.5	402.0	442.2
130°	208.3	221.0	235.1	251.0	265.3	279.4	295.0	314.0	336.3	366.1	398.9
132.5°	196.1	208.5	221.4	235.2	249.7	263.2	277.2	292.9	311.4	331.8	359.1
135°	184.3	196.0	207.9	219.8	232.7	245.8	258.8	272.2	287.5	304.3	323.5
137.5°	173.1	182.9	194.2	205.3	216.1	227.9	239.5	251.7	264.8	278.2	292.9
140°	161.2	170.3	180.0	190.5	200.7	210.4	220.6	230.9	241.6	252.8	264.5
142.5°	149.3	157.3	166.0	175.1	184.8	194.0	202.6	211.2	220.1	229.3	238.2
145°	136.5	144.0	151.8	159.9	168.1	177.0	185.5	193.0	200.1	206.7	212.8
147.5°	124.5	129.8	137.1	144.4	151.9	159.2	167.0	174.4	180.3	185.1	189.4
150°	112.6	116.7	121.4	128.3	135.1	142.0	148.6	154.3	159.9	164.6	168.8
152.5°	100.6	103.7	107.8	113.1	119.8	126.4	132.9	137.4	141.9	145.7	149.1
155°	91.3	95.2	99.6	103.9	108.5	112.9	118.0	122.5	126.4	129.8	132.8
157.5°	84.1	87.7	91.4	95.2	99.0	102.9	106.6	110.2	113.5	116.6	119.2
160°	76.1	79.4	82.6	85.8	89.3	92.7	96.1	99.4	102.4	105.1	107.7
162.5°	67.3	70.7	73.2	76.1	78.8	81.5	84.3	87.3	90.1	92.9	95.7
165°	57.8	60.5	63.1	65.6	68.0	70.3	72.5	74.6	76.7	78.7	80.6
167.5°	47.8	50.2	52.5	54.6	56.6	58.5	60.3	62.0	63.6	65.1	66.6
170°	37.3	39.2	41.1	42.9	44.6	46.2	47.7	49.1	50.4	51.5	52.6
172.5°	26.9	28.2	29.5	30.7	31.9	33.1	34.2	35.3	36.3	37.2	38.1
175°	16.4	17.3	18.1	18.9	19.7	20.4	21.1	21.7	22.3	22.8	23.3
177.5°	8.1	8.3	8.6	8.8	9.1	9.3	9.5	9.6	9.8	9.9	10.0
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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.1	10.2	10.3	10.3	10.3	10.3	10.6	10.5	10.4	10.2	10.1
5°	23.7	24.1	24.4	24.7	24.9	25.0	25.1	25.2	25.6	25.3	25.1
7.5°	38.8	39.5	40.1	40.6	41.1	41.4	41.6	41.8	41.9	42.3	41.9
10°	53.6	54.5	55.3	55.9	56.5	56.9	57.3	57.5	57.6	58.2	57.7
12.5°	68.0	69.3	70.4	71.4	72.3	73.1	73.8	74.3	74.6	74.8	75.2
15°	82.7	84.7	86.6	88.4	90.0	91.4	92.7	93.8	94.7	95.4	96.3
17.5°	98.2	100.1	101.8	103.3	104.7	105.8	106.8	107.6	108.2	108.6	109.2
20°	110.0	112.0	113.4	114.4	115.1	115.5	115.5	115.4	115.0	114.4	113.8
22.5°	121.3	122.8	124.2	125.2	125.8	126.0	125.8	125.3	124.4	123.3	122.2
25°	135.2	137.0	138.2	139.3	139.7	139.7	139.1	138.1	136.7	134.8	132.7
27.5°	152.0	154.1	155.5	156.6	157.7	158.3	158.3	157.8	156.9	155.4	153.4
30°	171.7	174.5	176.8	178.6	181.4	183.6	185.3	186.4	186.9	186.6	185.7
32.5°	193.6	198.4	202.8	206.8	211.6	216.8	221.5	225.4	228.4	230.6	231.7
35°	218.7	226.1	233.9	241.4	248.9	257.0	264.4	270.9	276.3	280.6	283.6
37.5°	247.4	257.1	268.4	279.4	289.9	301.5	312.7	322.9	332.0	339.6	345.6
40°	277.8	290.9	305.7	321.0	336.0	352.6	370.1	386.1	400.2	412.2	421.9
42.5°	309.8	327.1	346.5	370.3	393.3	415.6	439.1	460.7	480.2	497.1	511.2
45°	344.6	371.6	398.0	427.9	457.7	489.3	518.0	548.0	575.2	599.3	619.6
47.5°	388.7	421.7	455.4	491.0	531.0	569.9	609.5	648.1	683.0	713.9	740.1
50°	436.5	475.9	520.9	564.5	613.0	662.3	711.6	762.9	809.1	849.7	884.1
52.5°	489.0	538.6	592.5	646.9	707.6	771.1	833.0	893.7	944.8	986.4	1019.0
55°	545.4	605.4	669.7	742.4	816.7	896.9	970.2	1028.3	1072.6	1104.8	1126.2
57.5°	604.0	677.5	756.7	844.9	939.4	1022.1	1103.8	1150.4	1178.7	1198.2	1209.5
60°	667.6	752.6	846.9	943.8	1041.1	1126.3	1196.5	1239.9	1253.0	1262.9	1269.1
62.5°	729.9	826.1	928.5	1033.2	1125.1	1203.8	1254.8	1290.3	1304.0	1314.0	1320.1
65°	793.2	891.4	1001.3	1107.8	1197.3	1264.8	1307.4	1335.7	1348.1	1356.6	1363.7
67.5°	853.2	958.5	1071.0	1180.6	1268.8	1324.7	1356.4	1371.0	1381.4	1393.6	1402.1
70°	907.7	1021.1	1138.0	1252.5	1333.4	1370.3	1390.6	1404.4	1416.8	1424.1	1432.4
72.5°	954.3	1072.3	1193.4	1298.8	1369.0	1402.4	1417.7	1431.2	1441.4	1447.4	1456.7
75°	991.7	1112.6	1232.9	1334.0	1396.8	1423.8	1440.9	1453.2	1461.7	1471.1	1478.0
77.5°	1018.2	1141.3	1268.3	1365.8	1419.6	1445.1	1459.3	1467.0	1480.2	1490.4	1498.8
80°	1045.7	1168.3	1295.1	1396.0	1445.2	1462.3	1468.2	1482.0	1494.5	1504.2	1515.7
82.5°	1068.8	1196.1	1321.4	1412.8	1456.1	1468.6	1477.1	1492.6	1504.3	1524.5	1530.3
85°	1082.6	1212.2	1338.1	1423.5	1458.2	1470.6	1483.6	1500.7	1510.2	1525.5	1537.7
87.5°	1091.5	1216.7	1344.0	1429.1	1459.2	1472.4	1485.9	1502.4	1508.4	1527.2	1538.2
90°	1082.4	1209.9	1338.3	1427.5	1457.9	1473.6	1485.4	1500.1	1508.9	1531.5	1532.5
92.5°	1091.5	1216.7	1344.0	1429.1	1459.2	1472.4	1485.9	1502.4	1508.4	1527.2	1538.2
95°	1082.6	1212.2	1338.1	1423.5	1458.2	1470.6	1483.6	1500.7	1510.2	1525.5	1537.7
97.5°	1068.8	1196.1	1321.4	1412.8	1456.1	1468.6	1477.1	1492.6	1504.3	1524.5	1530.3
100°	1045.7	1168.3	1295.1	1396.0	1445.2	1462.3	1468.2	1482.0	1494.5	1504.2	1515.7
102.5°	1018.2	1141.3	1268.3	1365.8	1419.6	1445.1	1459.3	1467.0	1480.2	1490.4	1498.8
105°	991.7	1112.6	1232.9	1334.0	1396.8	1423.8	1440.9	1453.2	1461.7	1471.1	1478.0
107.5°	954.3	1072.3	1193.4	1298.8	1369.0	1402.4	1417.7	1431.2	1441.4	1447.4	1456.7
110°	907.7	1021.1	1138.0	1252.5	1333.4	1370.3	1390.6	1404.4	1416.8	1424.1	1432.4



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	853.2	958.5	1071.0	1180.6	1268.8	1324.7	1356.4	1371.0	1381.4	1393.6	1402.1
115°	793.2	891.4	1001.3	1107.8	1197.3	1264.8	1307.4	1335.7	1348.1	1356.6	1363.7
117.5°	729.9	826.1	928.5	1033.2	1125.1	1203.8	1254.8	1290.3	1304.0	1314.0	1320.1
120°	667.6	752.6	846.9	943.8	1041.1	1126.3	1196.5	1239.9	1253.0	1262.9	1269.1
122.5°	604.0	677.5	756.7	844.9	939.4	1022.1	1103.8	1150.4	1178.7	1198.2	1209.5
125°	545.4	605.4	669.7	742.4	816.7	896.9	970.2	1028.3	1072.6	1104.8	1126.2
127.5°	489.0	538.6	592.5	646.9	707.6	771.1	833.0	893.7	944.8	986.4	1019.0
130°	436.5	475.9	520.9	564.5	613.0	662.3	711.6	762.9	809.1	849.7	884.1
132.5°	388.7	421.7	455.4	491.0	531.0	569.9	609.5	648.1	683.0	713.9	740.1
135°	344.6	371.6	398.0	427.9	457.7	489.3	518.0	548.0	575.2	599.3	619.6
137.5°	309.8	327.1	346.5	370.3	393.3	415.6	439.1	460.7	480.2	497.1	511.2
140°	277.8	290.9	305.7	321.0	336.0	352.6	370.1	386.1	400.2	412.2	421.9
142.5°	247.4	257.1	268.4	279.4	289.9	301.5	312.7	322.9	332.0	339.6	345.6
145°	218.7	226.1	233.9	241.4	248.9	257.0	264.4	270.9	276.3	280.6	283.6
147.5°	193.6	198.4	202.8	206.8	211.6	216.8	221.5	225.4	228.4	230.6	231.7
150°	171.7	174.5	176.8	178.6	181.4	183.6	185.3	186.4	186.9	186.6	185.7
152.5°	152.0	154.1	155.5	156.6	157.7	158.3	158.3	157.8	156.9	155.4	153.4
155°	135.2	137.0	138.2	139.3	139.7	139.7	139.1	138.1	136.7	134.8	132.7
157.5°	121.3	122.8	124.2	125.2	125.8	126.0	125.8	125.3	124.4	123.3	122.2
160°	110.0	112.0	113.4	114.4	115.1	115.5	115.5	115.4	115.0	114.4	113.8
162.5°	98.2	100.1	101.8	103.3	104.7	105.8	106.8	107.6	108.2	108.6	109.2
165°	82.7	84.7	86.6	88.4	90.0	91.4	92.7	93.8	94.7	95.4	96.3
167.5°	68.0	69.3	70.4	71.4	72.3	73.1	73.8	74.3	74.6	74.8	75.2
170°	53.6	54.5	55.3	55.9	56.5	56.9	57.3	57.5	57.6	58.2	57.7
172.5°	38.8	39.5	40.1	40.6	41.1	41.4	41.6	41.8	41.9	42.3	41.9
175°	23.7	24.1	24.4	24.7	24.9	25.0	25.1	25.2	25.6	25.3	25.1
177.5°	10.1	10.2	10.3	10.3	10.3	10.3	10.6	10.5	10.4	10.2	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: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	9.9	9.8
5°	24.8	24.5
7.5°	41.6	41.2
10°	57.3	56.9
12.5°	74.9	74.5
15°	96.2	96.1
17.5°	109.0	108.8
20°	112.8	111.8
22.5°	120.4	118.6
25°	130.3	127.5
27.5°	151.2	148.0
30°	184.4	181.4
32.5°	232.3	230.4
35°	286.1	285.3
37.5°	350.9	352.0
40°	430.5	433.4
42.5°	523.9	529.4
45°	638.2	647.1
47.5°	764.2	776.5
50°	915.4	931.4
52.5°	1046.7	1058.9
55°	1141.3	1143.2
57.5°	1216.2	1211.8
60°	1273.7	1269.7
62.5°	1322.0	1319.7
65°	1368.5	1369.7
67.5°	1406.6	1407.0
70°	1439.2	1443.2
72.5°	1461.6	1462.8
75°	1481.5	1481.5
77.5°	1505.1	1507.9
80°	1521.7	1525.6
82.5°	1532.6	1534.4
85°	1544.4	1546.2
87.5°	1544.8	1551.1
90°	1541.3	1548.1
92.5°	1544.8	1551.1
95°	1544.4	1546.2
97.5°	1532.6	1534.4
100°	1521.7	1525.6
102.5°	1505.1	1507.9
105°	1481.5	1481.5
107.5°	1461.6	1462.8
110°	1439.2	1443.2



TEST NUMBER: P232049

CATALOG NUMBER: FVS4WM-3-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1406.6	1407.0
115°	1368.5	1369.7
117.5°	1322.0	1319.7
120°	1273.7	1269.7
122.5°	1216.2	1211.8
125°	1141.3	1143.2
127.5°	1046.7	1058.9
130°	915.4	931.4
132.5°	764.2	776.5
135°	638.2	647.1
137.5°	523.9	529.4
140°	430.5	433.4
142.5°	350.9	352.0
145°	286.1	285.3
147.5°	232.3	230.4
150°	184.4	181.4
152.5°	151.2	148.0
155°	130.3	127.5
157.5°	120.4	118.6
160°	112.8	111.8
162.5°	109.0	108.8
165°	96.2	96.1
167.5°	74.9	74.5
170°	57.3	56.9
172.5°	41.6	41.2
175°	24.8	24.5
177.5°	9.9	9.8
180°	0.0	0.0

(END OF REPORT)