

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: P232048

Luminaire Tested: **FVS4WM-3-LD4-30-1HI-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232048
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-LD4-30-1HI-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

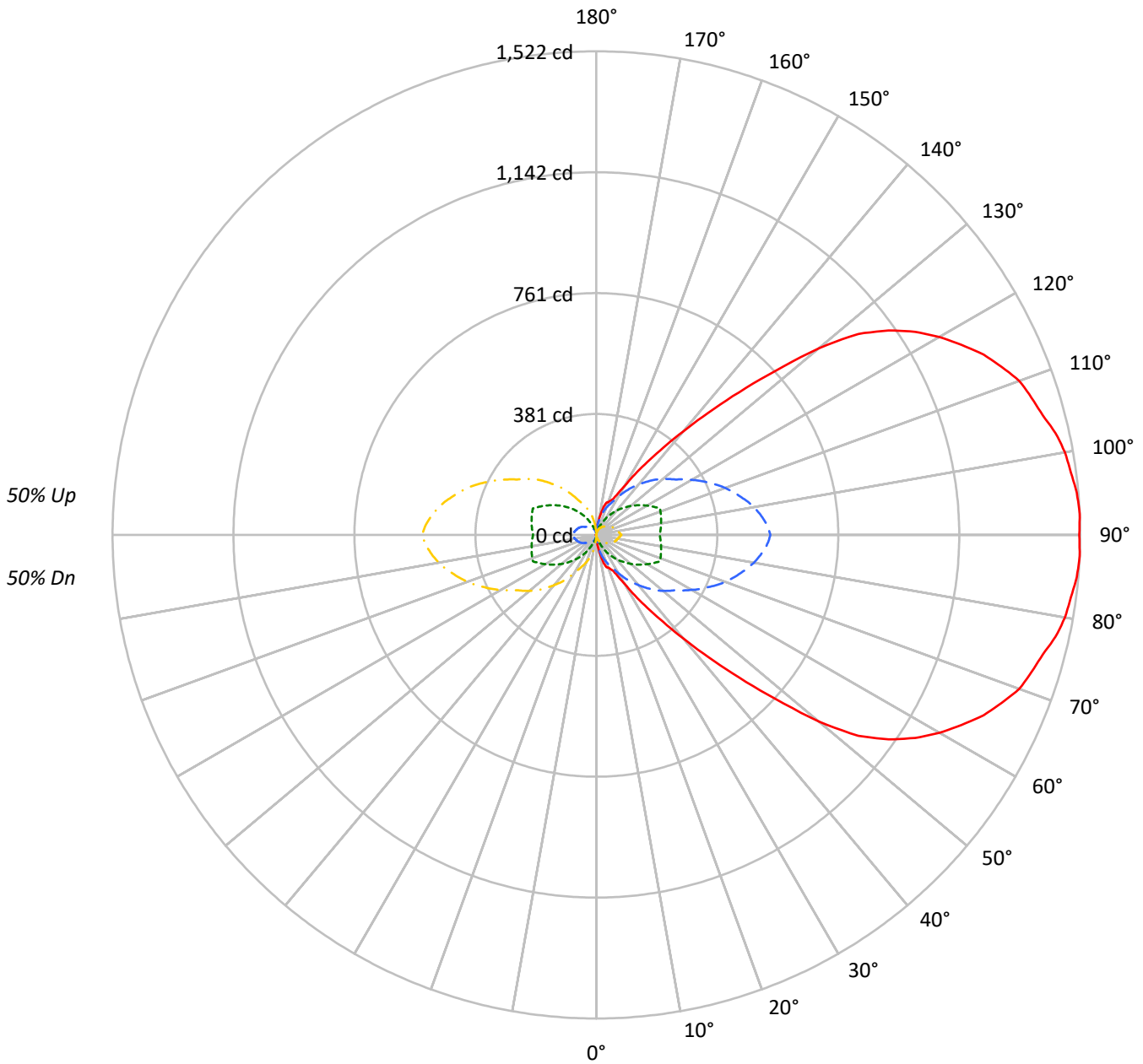
Lumens per Lamp: N/A
Luminaire Lumens: 3495.4 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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°	416	129	0	129
10°	862	259	0	259
15°	1328	394	0	394
20°	1430	534	0	534
25°	1529	825	0	825
30°	2062	1284	0	1284
35°	3104	1790	0	1790
40°	4555	2362	0	2362
45°	6627	3025	0	3025
50°	9371	3848	0	3848
55°	11387	4854	0	4854
60°	12618	6123	0	6123
65°	13683	7794	0	7794
70°	14607	9541	10	9541
75°	15310	11446	11	11446
80°	16233	14581	0	14581
85°	17088	20607	0	20607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	11.2	0.3
20°-30°	29.9	0.9
30°-40°	68.8	2.0
40°-50°	136.5	3.9
50°-60°	243.9	7.0
60°-70°	355.0	10.2
70°-80°	430.9	12.3
80°-90°	469.9	13.4
90°-100°	469.9	13.4
100°-110°	430.9	12.3
110°-120°	355.0	10.2
120°-130°	243.9	7.0
130°-140°	136.5	3.9
140°-150°	68.8	2.0
150°-160°	29.9	0.9
160°-170°	11.2	0.3
170°-180°	1.5	0.0
0°-30°	42.6	1.2
0°-40°	111.4	3.2
0°-60°	491.8	14.1
0°-90°	1747.7	50.0
90°-120°	1255.9	35.9
90°-150°	1705.1	48.8
90°-180°	1748.0	50.0
0°-180°	3495.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	24	7	0	7	24	3
15°	94	20	0	20	94	26
25°	125	40	0	40	125	62
35°	280	80	0	80	280	184
45°	635	120	0	120	635	506
55°	1122	163	0	163	1122	996
65°	1344	206	0	206	1344	1329
75°	1454	211	1	211	1454	1541
85°	1517	203	0	203	1517	1234
90°	1519	199	0	199	1519	833
95°	1517	203	0	203	1517	1234
105°	1454	211	1	211	1454	1541
115°	1344	206	0	206	1344	1329
125°	1122	163	0	163	1122	996
135°	635	120	0	120	635	506
145°	280	80	0	80	280	184
155°	125	40	0	40	125	62
165°	94	20	0	20	94	26
175°	24	7	0	7	24	3
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	9.6	9.7	9.9	10.0	10.2	10.3	10.4	10.1	10.1	10.1	10.1
5°	24.1	24.4	24.6	24.9	25.2	24.8	24.7	24.6	24.5	24.3	24.0
7.5°	40.4	40.8	41.1	41.5	41.1	41.0	40.8	40.6	40.3	39.9	39.4
10°	55.8	56.2	56.6	57.0	56.5	56.4	56.2	55.9	55.4	54.9	54.2
12.5°	73.1	73.5	73.8	73.4	73.2	72.9	72.4	71.7	71.0	70.1	69.1
15°	94.3	94.4	94.5	93.6	92.9	92.0	90.9	89.7	88.3	86.7	85.0
17.5°	106.8	107.0	107.2	106.6	106.2	105.6	104.8	103.9	102.7	101.4	99.9
20°	109.7	110.7	111.6	112.2	112.8	113.2	113.4	113.3	112.9	112.3	111.3
22.5°	116.4	118.2	119.9	121.0	122.1	122.9	123.4	123.6	123.4	122.8	121.8
25°	125.1	127.8	130.2	132.3	134.1	135.5	136.5	137.1	137.1	136.6	135.6
27.5°	145.3	148.4	150.6	152.5	154.0	154.9	155.3	155.3	154.7	153.7	152.5
30°	178.0	180.9	182.2	183.1	183.4	182.9	181.9	180.2	178.0	175.2	173.5
32.5°	226.1	228.0	227.4	226.3	224.1	221.1	217.3	212.8	207.6	202.9	199.0
35°	279.9	280.7	278.3	275.3	271.1	265.8	259.4	252.2	244.2	236.9	229.5
37.5°	345.4	344.3	339.1	333.2	325.8	316.9	306.9	295.9	284.4	274.1	263.4
40°	425.2	422.3	413.9	404.4	392.6	378.8	363.2	346.0	329.7	315.0	300.0
42.5°	519.5	514.1	501.6	487.8	471.2	452.1	430.8	407.7	385.9	363.4	340.0
45°	634.9	626.1	607.9	588.0	564.4	537.7	508.2	480.2	449.1	419.8	390.5
47.5°	761.9	749.8	726.2	700.5	670.2	635.9	598.0	559.1	521.0	481.8	446.8
50°	913.9	898.3	867.5	833.8	793.9	748.5	698.2	649.8	601.4	553.8	511.1
52.5°	1039.0	1027.0	999.8	967.9	927.0	876.9	817.4	756.6	694.3	634.7	581.4
55°	1121.7	1119.9	1105.0	1084.1	1052.5	1009.0	952.0	880.1	801.4	728.5	657.1
57.5°	1189.1	1193.5	1186.8	1175.7	1156.6	1128.8	1083.1	1002.9	921.7	829.1	742.5
60°	1245.8	1249.7	1245.3	1239.1	1229.5	1216.6	1174.0	1105.2	1021.5	926.1	831.0
62.5°	1294.9	1297.1	1295.3	1289.3	1279.5	1266.0	1231.2	1181.2	1104.0	1013.8	911.1
65°	1343.9	1342.7	1338.1	1331.1	1322.7	1310.6	1282.8	1241.0	1174.8	1086.9	982.5
67.5°	1380.5	1380.1	1375.7	1367.4	1355.5	1345.3	1331.0	1299.8	1244.9	1158.4	1050.8
70°	1416.1	1412.2	1405.4	1397.4	1390.2	1378.0	1364.5	1344.6	1308.3	1228.9	1116.6
72.5°	1435.3	1434.1	1429.3	1420.2	1414.3	1404.3	1391.1	1376.1	1343.3	1274.4	1171.0
75°	1453.6	1453.6	1450.2	1443.4	1434.2	1425.9	1413.9	1397.0	1370.6	1309.0	1209.7
77.5°	1479.6	1476.8	1470.6	1462.4	1452.4	1439.4	1431.9	1418.0	1393.0	1340.2	1244.5
80°	1496.9	1493.1	1487.2	1475.8	1466.4	1454.1	1440.6	1434.8	1418.1	1369.8	1270.8
82.5°	1505.6	1503.8	1501.5	1495.8	1476.0	1464.5	1449.4	1441.1	1428.7	1386.3	1296.6
85°	1517.1	1515.4	1508.8	1496.9	1481.8	1472.5	1455.7	1442.9	1430.7	1396.8	1313.0
87.5°	1521.9	1515.7	1509.3	1498.4	1480.1	1474.2	1458.0	1444.8	1431.8	1402.3	1318.7
90°	1519.0	1512.3	1503.6	1502.7	1480.6	1471.9	1457.5	1445.9	1430.5	1400.7	1313.2
92.5°	1521.9	1515.7	1509.3	1498.4	1480.1	1474.2	1458.0	1444.8	1431.8	1402.3	1318.7
95°	1517.1	1515.4	1508.8	1496.9	1481.8	1472.5	1455.7	1442.9	1430.7	1396.8	1313.0
97.5°	1505.6	1503.8	1501.5	1495.8	1476.0	1464.5	1449.4	1441.1	1428.7	1386.3	1296.6
100°	1496.9	1493.1	1487.2	1475.8	1466.4	1454.1	1440.6	1434.8	1418.1	1369.8	1270.8
102.5°	1479.6	1476.8	1470.6	1462.4	1452.4	1439.4	1431.9	1418.0	1393.0	1340.2	1244.5
105°	1453.6	1453.6	1450.2	1443.4	1434.2	1425.9	1413.9	1397.0	1370.6	1309.0	1209.7
107.5°	1435.3	1434.1	1429.3	1420.2	1414.3	1404.3	1391.1	1376.1	1343.3	1274.4	1171.0
110°	1416.1	1412.2	1405.4	1397.4	1390.2	1378.0	1364.5	1344.6	1308.3	1228.9	1116.6



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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°	1380.5	1380.1	1375.7	1367.4	1355.5	1345.3	1331.0	1299.8	1244.9	1158.4	1050.8
115°	1343.9	1342.7	1338.1	1331.1	1322.7	1310.6	1282.8	1241.0	1174.8	1086.9	982.5
117.5°	1294.9	1297.1	1295.3	1289.3	1279.5	1266.0	1231.2	1181.2	1104.0	1013.8	911.1
120°	1245.8	1249.7	1245.3	1239.1	1229.5	1216.6	1174.0	1105.2	1021.5	926.1	831.0
122.5°	1189.1	1193.5	1186.8	1175.7	1156.6	1128.8	1083.1	1002.9	921.7	829.1	742.5
125°	1121.7	1119.9	1105.0	1084.1	1052.5	1009.0	952.0	880.1	801.4	728.5	657.1
127.5°	1039.0	1027.0	999.8	967.9	927.0	876.9	817.4	756.6	694.3	634.7	581.4
130°	913.9	898.3	867.5	833.8	793.9	748.5	698.2	649.8	601.4	553.8	511.1
132.5°	761.9	749.8	726.2	700.4	670.2	635.9	598.0	559.1	521.0	481.8	446.8
135°	634.9	626.1	607.9	588.0	564.4	537.7	508.2	480.2	449.1	419.8	390.5
137.5°	519.5	514.1	501.6	487.8	471.2	452.1	430.8	407.7	385.9	363.4	340.0
140°	425.2	422.3	413.9	404.4	392.6	378.8	363.2	346.0	329.7	315.0	300.0
142.5°	345.4	344.3	339.1	333.2	325.8	316.9	306.9	295.9	284.4	274.1	263.4
145°	279.9	280.7	278.3	275.3	271.1	265.8	259.4	252.2	244.2	236.9	229.5
147.5°	226.1	228.0	227.4	226.3	224.1	221.1	217.3	212.8	207.6	202.9	199.0
150°	178.0	180.9	182.2	183.1	183.4	182.9	181.9	180.2	178.0	175.2	173.5
152.5°	145.3	148.4	150.6	152.5	154.0	154.9	155.3	155.3	154.7	153.7	152.5
155°	125.1	127.8	130.2	132.3	134.1	135.5	136.5	137.1	137.1	136.6	135.6
157.5°	116.4	118.2	119.9	121.0	122.1	122.9	123.4	123.6	123.4	122.8	121.8
160°	109.7	110.7	111.6	112.2	112.8	113.2	113.4	113.3	112.9	112.3	111.3
162.5°	106.8	107.0	107.2	106.6	106.2	105.6	104.8	103.9	102.7	101.4	99.9
165°	94.3	94.4	94.5	93.6	92.9	92.0	90.9	89.7	88.3	86.7	85.0
167.5°	73.1	73.5	73.8	73.4	73.2	72.9	72.4	71.7	71.0	70.1	69.1
170°	55.8	56.2	56.6	57.0	56.5	56.4	56.2	55.9	55.4	54.9	54.2
172.5°	40.4	40.8	41.1	41.5	41.1	41.0	40.8	40.6	40.3	39.9	39.4
175°	24.1	24.4	24.6	24.9	25.2	24.8	24.7	24.6	24.5	24.3	24.0
177.5°	9.6	9.7	9.9	10.0	10.2	10.3	10.4	10.1	10.1	10.1	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



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.1	8.9	8.7	8.4
5°	23.7	23.3	22.9	22.4	21.9	21.4	20.7	20.1	19.4	18.6	17.8
7.5°	38.8	38.1	37.4	36.5	35.6	34.7	33.6	32.5	31.3	30.2	29.0
10°	53.4	52.6	51.6	50.6	49.4	48.2	46.8	45.3	43.7	42.1	40.3
12.5°	67.9	66.7	65.4	63.9	62.4	60.8	59.1	57.4	55.5	53.5	51.5
15°	83.1	81.2	79.1	77.2	75.3	73.2	71.2	69.0	66.7	64.4	61.9
17.5°	98.2	96.3	93.9	91.2	88.4	85.6	82.7	79.9	77.3	74.6	71.9
20°	109.9	108.0	105.7	103.2	100.5	97.6	94.3	91.0	87.6	84.2	81.0
22.5°	120.5	119.0	117.0	114.5	111.4	108.1	104.7	101.0	97.2	93.3	89.7
25°	134.4	132.6	130.3	127.3	124.0	120.2	115.8	110.9	106.5	102.0	97.7
27.5°	151.2	149.1	146.3	142.9	139.2	134.8	130.4	124.0	117.6	111.1	105.8
30°	171.2	168.5	165.6	161.5	156.9	151.4	145.8	139.3	132.6	125.9	119.2
32.5°	194.7	189.9	185.8	181.6	176.9	171.1	163.8	156.2	149.0	141.7	134.5
35°	221.8	214.6	208.8	202.7	196.3	189.4	182.0	173.6	165.0	156.9	148.9
37.5°	252.3	242.7	233.7	225.0	215.9	207.1	198.8	190.4	181.3	171.8	162.8
40°	285.4	272.6	259.5	248.0	237.0	226.5	216.4	206.4	196.9	186.9	176.6
42.5°	321.0	304.0	287.4	273.0	259.8	247.0	235.0	223.6	212.0	201.4	190.5
45°	364.6	338.1	317.5	298.6	282.1	267.1	253.9	241.2	228.3	215.6	204.0
47.5°	413.8	381.4	352.4	325.6	305.5	287.4	272.0	258.2	244.9	230.7	217.2
50°	467.0	428.4	391.4	359.3	330.0	308.1	289.5	274.1	260.2	246.2	230.7
52.5°	528.5	479.9	433.9	394.4	359.6	329.1	307.0	289.0	274.9	260.4	248.3
55°	594.0	535.1	481.7	431.3	389.9	354.3	324.0	303.7	290.8	279.7	270.3
57.5°	664.7	592.6	530.5	473.4	421.3	379.4	348.6	325.1	308.6	297.5	287.8
60°	738.5	655.0	578.8	514.6	459.5	412.9	374.9	345.8	327.2	314.0	304.2
62.5°	810.6	716.3	632.3	560.9	499.6	445.2	402.6	368.9	344.6	329.1	319.3
65°	874.6	778.3	689.4	607.0	538.6	479.3	429.0	389.1	361.5	344.5	333.7
67.5°	940.5	837.2	742.1	654.5	574.2	508.5	454.7	411.3	379.5	358.9	346.8
70°	1001.9	890.6	789.4	695.4	610.5	538.3	479.1	431.5	395.0	371.8	358.8
72.5°	1052.2	936.4	827.5	730.0	642.9	563.8	499.0	450.8	408.9	384.6	370.5
75°	1091.7	973.1	860.0	756.0	668.7	586.2	519.4	468.0	426.6	398.1	380.7
77.5°	1119.9	999.1	884.8	781.3	692.9	612.8	542.9	486.7	442.7	410.8	390.6
80°	1146.4	1026.0	913.4	806.7	713.0	633.8	562.5	503.3	456.8	422.6	400.3
82.5°	1173.6	1048.7	934.0	825.5	727.2	649.2	578.5	517.7	469.0	433.5	409.6
85°	1189.4	1062.3	946.4	837.6	735.8	659.6	591.0	529.8	479.4	443.6	418.5
87.5°	1193.8	1071.1	954.6	846.3	741.2	667.3	601.5	540.9	488.9	453.1	427.3
90°	1187.1	1062.1	947.6	841.8	737.9	667.6	606.1	547.4	495.4	460.8	434.8
92.5°	1193.8	1071.1	954.6	846.3	741.2	667.3	601.5	540.9	488.9	453.1	427.3
95°	1189.4	1062.3	946.4	837.6	735.8	659.6	591.0	529.8	479.4	443.6	418.5
97.5°	1173.6	1048.7	934.0	825.5	727.2	649.2	578.5	517.7	469.0	433.5	409.6
100°	1146.4	1026.0	913.4	806.7	713.0	633.8	562.5	503.3	456.8	422.6	400.3
102.5°	1119.9	999.1	884.8	781.3	692.9	612.8	542.9	486.7	442.7	410.8	390.6
105°	1091.7	973.1	860.0	756.0	668.7	586.2	519.4	468.0	426.6	398.1	380.7
107.5°	1052.2	936.4	827.5	730.0	642.9	563.8	499.0	450.8	408.9	384.6	370.5
110°	1001.9	890.6	789.4	695.4	610.5	538.3	479.1	431.5	395.0	371.8	358.8



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	940.5	837.2	742.1	654.5	574.2	508.5	454.7	411.3	379.5	358.9	346.8
115°	874.6	778.3	689.4	607.0	538.6	479.3	429.0	389.1	361.5	344.5	333.7
117.5°	810.6	716.3	632.3	560.9	499.6	445.2	402.6	368.9	344.6	329.1	319.3
120°	738.5	655.0	578.8	514.6	459.5	412.9	374.9	345.8	327.2	314.0	304.2
122.5°	664.7	592.6	530.5	473.4	421.3	379.4	348.6	325.1	308.6	297.5	287.8
125°	594.0	535.1	481.7	431.3	389.9	354.3	324.0	303.7	290.8	279.7	270.3
127.5°	528.5	479.9	433.9	394.4	359.6	329.1	307.0	289.0	274.9	260.4	248.3
130°	467.0	428.4	391.4	359.3	330.0	308.1	289.5	274.1	260.2	246.2	230.7
132.5°	413.8	381.4	352.4	325.6	305.5	287.4	272.0	258.2	244.9	230.7	217.2
135°	364.6	338.1	317.5	298.6	282.1	267.1	253.9	241.2	228.3	215.6	204.0
137.5°	321.0	304.0	287.4	273.0	259.8	247.0	235.0	223.6	212.0	201.4	190.5
140°	285.4	272.6	259.5	248.0	237.0	226.5	216.4	206.4	196.9	186.9	176.6
142.5°	252.3	242.7	233.7	225.0	215.9	207.1	198.8	190.4	181.3	171.8	162.8
145°	221.8	214.6	208.8	202.7	196.3	189.4	182.0	173.6	165.0	156.9	148.9
147.5°	194.7	189.9	185.8	181.6	176.9	171.1	163.8	156.2	149.0	141.7	134.5
150°	171.2	168.5	165.6	161.5	156.9	151.4	145.8	139.3	132.6	125.9	119.2
152.5°	151.2	149.1	146.3	142.9	139.2	134.8	130.4	124.0	117.6	111.1	105.8
155°	134.4	132.6	130.3	127.3	124.0	120.2	115.8	110.9	106.5	102.0	97.7
157.5°	120.5	119.0	117.0	114.5	111.4	108.1	104.7	101.0	97.2	93.3	89.7
160°	109.9	108.0	105.7	103.2	100.5	97.6	94.3	91.0	87.6	84.2	81.0
162.5°	98.2	96.3	93.9	91.2	88.4	85.6	82.7	79.9	77.3	74.6	71.9
165°	83.1	81.2	79.1	77.2	75.3	73.2	71.2	69.0	66.7	64.4	61.9
167.5°	67.9	66.7	65.4	63.9	62.4	60.8	59.1	57.4	55.5	53.5	51.5
170°	53.4	52.6	51.6	50.6	49.4	48.2	46.8	45.3	43.7	42.1	40.3
172.5°	38.8	38.1	37.4	36.5	35.6	34.7	33.6	32.5	31.3	30.2	29.0
175°	23.7	23.3	22.9	22.4	21.9	21.4	20.7	20.1	19.4	18.6	17.8
177.5°	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.1	8.9	8.7	8.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	8.2	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9
5°	17.0	16.1	15.2	14.6	14.0	13.3	12.7	12.0	11.3	10.5	9.8
7.5°	27.7	26.4	25.0	23.6	22.1	20.6	19.0	17.9	16.8	15.7	14.6
10°	38.5	36.7	34.8	32.8	30.9	28.8	26.8	24.6	22.4	20.9	19.4
12.5°	49.3	47.0	44.6	42.1	39.6	37.0	34.4	31.8	29.1	26.3	24.2
15°	59.4	56.8	54.4	51.1	48.2	45.1	42.0	38.9	35.6	32.4	29.0
17.5°	69.4	66.0	62.9	59.7	56.4	52.9	49.4	45.8	42.1	38.3	34.5
20°	77.9	74.7	71.5	67.9	64.2	60.4	56.5	52.5	48.4	44.2	39.8
22.5°	86.0	82.5	79.1	75.6	71.7	67.5	63.3	58.9	54.5	50.0	45.1
25°	93.4	89.6	85.9	82.2	79.5	76.1	72.4	68.6	64.5	60.2	55.6
27.5°	101.7	98.7	96.2	93.5	90.7	87.8	84.0	80.1	75.8	71.3	66.6
30°	114.5	110.5	107.1	104.3	101.5	98.5	95.3	91.2	87.2	82.3	77.5
32.5°	127.4	122.1	118.0	114.6	111.8	108.8	105.7	101.9	97.6	93.0	88.0
35°	141.3	134.0	128.8	124.8	121.6	118.8	115.6	112.6	108.0	103.5	98.4
37.5°	154.3	146.5	139.1	134.7	131.3	128.2	125.3	122.0	118.1	113.8	108.6
40°	167.1	158.1	150.5	143.8	140.3	137.2	134.5	131.4	127.9	123.6	118.7
42.5°	179.5	169.9	160.9	153.8	149.0	145.9	143.3	140.5	137.3	133.3	128.6
45°	192.3	180.9	171.4	163.3	156.9	154.2	151.8	149.4	146.3	142.7	138.3
47.5°	204.6	192.4	181.5	172.4	165.6	163.3	163.9	163.9	163.3	161.9	159.2
50°	216.8	204.4	196.2	190.5	186.6	184.8	185.6	185.5	185.3	184.7	182.5
52.5°	236.7	227.7	220.2	213.9	209.0	206.6	207.2	207.1	206.9	207.3	205.5
55°	258.4	249.7	242.6	236.6	231.3	228.9	228.6	228.8	228.1	229.4	228.2
57.5°	278.4	270.0	264.0	258.7	253.8	250.7	250.0	250.5	249.3	251.2	250.9
60°	296.1	288.7	283.6	279.7	275.7	272.1	271.2	272.2	270.8	272.8	273.4
62.5°	312.0	306.2	302.1	299.5	297.1	293.2	292.5	293.5	292.3	294.2	295.8
65°	326.5	321.8	319.4	318.3	318.0	314.4	313.9	314.7	313.8	315.3	318.2
67.5°	339.8	335.9	335.5	336.2	337.5	335.5	334.9	335.9	335.3	336.3	340.4
70°	352.1	349.2	350.6	352.4	353.4	351.6	349.8	349.8	349.0	348.1	348.3
72.5°	362.0	356.7	355.4	356.7	359.0	359.5	358.7	359.2	359.3	358.2	354.9
75°	369.6	362.3	359.2	360.6	364.1	366.8	367.3	368.6	369.4	368.9	362.0
77.5°	377.5	368.1	363.0	364.2	369.0	373.6	375.8	377.9	379.2	379.8	369.6
80°	385.4	374.0	367.0	367.6	373.8	380.1	384.2	387.2	388.9	391.1	377.4
82.5°	393.3	380.0	370.9	370.9	378.4	386.4	392.5	396.5	398.5	402.6	386.7
85°	401.1	386.0	374.9	374.2	383.0	392.3	400.7	405.7	407.8	414.5	394.1
87.5°	408.8	392.0	378.9	377.4	387.5	398.6	409.1	415.0	417.5	425.6	401.5
90°	415.6	397.3	382.9	381.0	392.5	405.0	417.5	424.3	427.1	436.8	408.9
92.5°	408.8	392.0	378.9	377.4	387.5	398.6	409.1	415.0	417.5	425.6	401.5
95°	401.1	386.0	374.9	374.2	383.0	392.3	400.7	405.7	407.8	414.5	394.1
97.5°	393.3	380.0	370.9	370.9	378.4	386.4	392.5	396.5	398.5	402.6	386.7
100°	385.4	374.0	367.0	367.6	373.8	380.1	384.2	387.2	388.9	391.1	377.4
102.5°	377.5	368.1	363.0	364.2	369.0	373.6	375.8	377.9	379.2	379.8	369.6
105°	369.6	362.3	359.2	360.6	364.1	366.8	367.3	368.6	369.4	368.9	362.0
107.5°	362.0	356.7	355.4	356.7	359.0	359.5	358.7	359.2	359.3	358.2	354.9
110°	352.1	349.2	350.6	352.4	353.4	351.6	349.8	349.8	349.0	348.1	348.3



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	339.8	335.9	335.5	336.2	337.5	335.5	334.9	335.9	335.3	336.3	340.4
115°	326.5	321.8	319.4	318.3	318.0	314.4	313.9	314.7	313.8	315.3	318.2
117.5°	312.0	306.2	302.1	299.5	297.1	293.2	292.5	293.5	292.3	294.2	295.8
120°	296.1	288.7	283.6	279.7	275.7	272.1	271.2	272.2	270.8	272.8	273.4
122.5°	278.4	270.0	264.0	258.7	253.8	250.7	250.0	250.5	249.3	251.2	250.9
125°	258.4	249.7	242.6	236.6	231.3	228.9	228.6	228.8	228.1	229.4	228.2
127.5°	236.7	227.7	220.2	213.9	209.0	206.6	207.2	207.1	206.9	207.3	205.5
130°	216.8	204.4	196.2	190.5	186.6	184.8	185.6	185.5	185.3	184.7	182.5
132.5°	204.6	192.4	181.5	172.4	165.6	163.3	163.9	163.9	163.3	161.9	159.2
135°	192.3	180.9	171.4	163.3	156.9	154.2	151.8	149.4	146.3	142.7	138.3
137.5°	179.5	169.9	160.9	153.8	149.0	145.9	143.3	140.5	137.3	133.3	128.6
140°	167.1	158.1	150.5	143.8	140.3	137.2	134.5	131.4	127.9	123.6	118.7
142.5°	154.3	146.5	139.1	134.7	131.3	128.2	125.3	122.0	118.1	113.8	108.6
145°	141.3	134.0	128.8	124.8	121.6	118.8	115.6	112.6	108.0	103.5	98.4
147.5°	127.4	122.1	118.0	114.6	111.8	108.8	105.7	101.9	97.6	93.0	88.0
150°	114.5	110.5	107.1	104.3	101.5	98.5	95.3	91.2	87.2	82.3	77.5
152.5°	101.7	98.7	96.2	93.5	90.7	87.8	84.0	80.1	75.8	71.3	66.6
155°	93.4	89.6	85.9	82.2	79.5	76.1	72.4	68.6	64.5	60.2	55.6
157.5°	86.0	82.5	79.1	75.6	71.7	67.5	63.3	58.9	54.5	50.0	45.1
160°	77.9	74.7	71.5	67.9	64.2	60.4	56.5	52.5	48.4	44.2	39.8
162.5°	69.4	66.0	62.9	59.7	56.4	52.9	49.4	45.8	42.1	38.3	34.5
165°	59.4	56.8	54.4	51.1	48.2	45.1	42.0	38.9	35.6	32.4	29.0
167.5°	49.3	47.0	44.6	42.1	39.6	37.0	34.4	31.8	29.1	26.3	24.2
170°	38.5	36.7	34.8	32.8	30.9	28.8	26.8	24.6	22.4	20.9	19.4
172.5°	27.7	26.4	25.0	23.6	22.1	20.6	19.0	17.9	16.8	15.7	14.6
175°	17.0	16.1	15.2	14.6	14.0	13.3	12.7	12.0	11.3	10.5	9.8
177.5°	8.2	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	4.5	4.1	3.7	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
5°	9.0	8.2	7.4	6.6	6.6	6.6	6.5	6.5	6.4	6.3	6.2
7.5°	13.5	12.3	11.1	9.9	9.9	9.8	9.7	9.6	9.5	9.4	9.2
10°	17.9	16.4	14.8	13.2	13.2	13.1	12.9	12.8	12.6	12.4	12.3
12.5°	22.3	20.4	18.5	16.6	16.4	16.3	16.1	15.9	15.7	15.5	15.3
15°	26.7	24.4	22.2	19.9	19.7	19.5	19.2	19.0	18.8	18.6	18.4
17.5°	31.0	28.4	25.8	23.2	22.9	22.7	22.4	22.2	22.0	21.8	21.5
20°	35.4	32.4	29.5	26.5	26.2	25.9	25.5	25.3	25.1	24.9	24.6
22.5°	40.2	36.4	33.1	29.8	29.4	29.0	28.7	28.5	28.3	28.0	27.7
25°	50.7	46.4	43.2	39.9	39.6	39.1	38.7	38.2	37.4	36.4	35.2
27.5°	61.5	56.6	53.3	49.9	49.8	49.5	49.2	48.8	48.0	46.9	45.3
30°	72.1	66.7	63.4	60.0	60.0	59.9	59.9	59.6	58.6	57.3	54.7
32.5°	82.6	77.0	73.4	70.0	70.3	70.4	70.6	70.3	69.1	67.1	63.7
35°	93.0	87.2	83.4	80.1	80.6	81.0	81.4	80.9	79.7	76.3	72.2
37.5°	103.2	97.4	93.3	90.1	91.0	91.7	92.3	91.6	90.2	85.2	79.4
40°	113.2	107.4	103.2	100.2	101.3	102.4	103.2	102.2	99.4	93.6	85.9
42.5°	123.1	117.4	113.1	110.2	111.7	113.1	114.2	112.8	108.5	102.0	91.8
45°	132.9	127.3	122.9	120.3	122.2	123.8	124.8	123.4	117.3	108.4	97.0
47.5°	152.8	144.6	136.7	131.0	130.0	129.3	128.4	126.7	119.7	110.5	99.7
50°	174.1	162.7	150.8	141.7	137.5	134.1	131.1	127.8	119.9	110.1	100.3
52.5°	195.9	181.3	165.1	152.4	144.9	138.5	133.5	128.5	120.0	110.3	101.6
55°	218.1	200.3	179.7	163.1	152.0	142.6	135.6	129.1	120.1	110.9	103.6
57.5°	240.6	219.8	194.4	173.7	158.9	146.3	137.7	129.7	120.5	112.2	106.2
60°	263.4	239.5	209.2	184.4	165.7	149.8	139.5	130.4	121.3	114.3	109.6
62.5°	286.5	259.6	224.2	195.1	172.4	153.1	141.2	131.1	122.4	116.8	113.6
65°	309.8	279.9	239.3	205.8	178.9	156.2	142.8	131.8	123.8	119.8	118.1
67.5°	333.2	300.4	254.5	216.5	185.3	159.0	144.3	132.5	125.5	123.1	123.1
70°	336.9	300.7	253.2	214.6	183.4	157.4	143.1	131.0	124.7	123.2	124.4
72.5°	339.2	300.2	251.7	212.6	181.5	155.7	141.6	129.3	123.4	122.0	123.5
75°	341.6	299.5	251.4	210.7	179.7	154.1	140.3	127.6	122.1	120.7	122.5
77.5°	343.9	298.7	249.3	208.8	178.0	152.7	139.0	126.0	120.9	119.4	121.5
80°	346.1	299.2	247.1	206.8	176.3	151.4	137.8	124.5	119.7	118.0	120.5
82.5°	349.5	297.3	245.0	204.9	174.7	150.2	136.6	123.0	118.6	116.7	119.6
85°	350.7	295.4	242.9	203.0	173.2	149.1	135.6	121.7	117.5	115.3	118.5
87.5°	351.9	293.4	240.7	201.0	171.7	148.1	134.6	120.4	116.4	113.9	117.5
90°	353.1	291.5	238.6	199.1	170.3	147.2	133.7	119.3	115.4	112.6	116.4
92.5°	351.9	293.4	240.7	201.0	171.7	148.1	134.6	120.4	116.4	113.9	117.5
95°	350.7	295.4	242.9	203.0	173.2	149.1	135.6	121.7	117.5	115.3	118.5
97.5°	349.5	297.3	245.0	204.9	174.7	150.2	136.6	123.0	118.6	116.7	119.6
100°	346.1	299.2	247.1	206.8	176.3	151.4	137.8	124.5	119.7	118.0	120.5
102.5°	343.9	298.7	249.3	208.8	178.0	152.7	139.0	126.0	120.9	119.4	121.5
105°	341.6	299.5	251.4	210.7	179.7	154.1	140.3	127.6	122.1	120.7	122.5
107.5°	339.2	300.2	251.7	212.6	181.5	155.7	141.6	129.3	123.4	122.0	123.5
110°	336.9	300.7	253.2	214.6	183.4	157.4	143.1	131.0	124.7	123.2	124.4



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	333.2	300.4	254.5	216.5	185.3	159.0	144.3	132.5	125.5	123.1	123.1
115°	309.8	279.9	239.3	205.8	178.9	156.2	142.8	131.8	123.8	119.8	118.1
117.5°	286.5	259.6	224.2	195.1	172.4	153.1	141.2	131.1	122.4	116.8	113.6
120°	263.4	239.5	209.2	184.4	165.7	149.8	139.5	130.4	121.3	114.3	109.6
122.5°	240.6	219.8	194.4	173.7	158.9	146.3	137.7	129.7	120.5	112.2	106.2
125°	218.1	200.3	179.7	163.1	152.0	142.6	135.6	129.1	120.1	110.9	103.6
127.5°	195.9	181.3	165.1	152.4	144.9	138.5	133.5	128.5	120.0	110.3	101.6
130°	174.1	162.7	150.8	141.7	137.5	134.1	131.1	127.8	119.9	110.1	100.3
132.5°	152.8	144.6	136.7	131.0	130.0	129.3	128.4	126.7	119.7	110.5	99.7
135°	132.9	127.3	122.9	120.3	122.2	123.8	124.8	123.4	117.3	108.4	97.0
137.5°	123.1	117.4	113.1	110.2	111.7	113.1	114.2	112.8	108.5	102.0	91.8
140°	113.2	107.4	103.2	100.2	101.3	102.4	103.2	102.2	99.4	93.6	85.9
142.5°	103.2	97.4	93.3	90.1	91.0	91.7	92.3	91.6	90.2	85.2	79.4
145°	93.0	87.2	83.4	80.1	80.6	81.0	81.4	80.9	79.7	76.3	72.2
147.5°	82.6	77.0	73.4	70.0	70.3	70.4	70.6	70.3	69.1	67.1	63.7
150°	72.1	66.7	63.4	60.0	60.0	59.9	59.9	59.6	58.6	57.3	54.7
152.5°	61.5	56.6	53.3	49.9	49.8	49.5	49.2	48.8	48.0	46.9	45.3
155°	50.7	46.4	43.2	39.9	39.6	39.1	38.7	38.2	37.4	36.4	35.2
157.5°	40.2	36.4	33.1	29.8	29.4	29.0	28.7	28.5	28.3	28.0	27.7
160°	35.4	32.4	29.5	26.5	26.2	25.9	25.5	25.3	25.1	24.9	24.6
162.5°	31.0	28.4	25.8	23.2	22.9	22.7	22.4	22.2	22.0	21.8	21.5
165°	26.7	24.4	22.2	19.9	19.7	19.5	19.2	19.0	18.8	18.6	18.4
167.5°	22.3	20.4	18.5	16.6	16.4	16.3	16.1	15.9	15.7	15.5	15.3
170°	17.9	16.4	14.8	13.2	13.2	13.1	12.9	12.8	12.6	12.4	12.3
172.5°	13.5	12.3	11.1	9.9	9.9	9.8	9.7	9.6	9.5	9.4	9.2
175°	9.0	8.2	7.4	6.6	6.6	6.6	6.5	6.5	6.4	6.3	6.2
177.5°	4.5	4.1	3.7	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
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: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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	3.0	3.0	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3
5°	6.1	6.0	5.9	5.7	5.6	5.4	5.3	5.1	4.9	4.7	4.5
7.5°	9.1	8.9	8.7	8.6	8.4	8.1	7.9	7.7	7.4	7.1	6.8
10°	12.1	11.9	11.7	11.4	11.2	10.9	10.6	10.2	9.9	9.5	9.1
12.5°	15.1	14.9	14.6	14.3	14.0	13.6	13.2	12.8	12.4	11.9	11.4
15°	18.2	17.9	17.5	17.2	16.8	16.4	15.9	15.4	14.9	14.4	13.7
17.5°	21.2	20.9	20.5	20.1	19.6	19.1	18.6	17.9	17.2	16.4	15.6
20°	24.3	23.9	23.4	23.0	22.5	21.7	20.9	20.1	19.3	18.6	17.9
22.5°	27.3	26.9	26.4	25.8	25.0	24.1	23.2	22.6	21.8	21.1	20.2
25°	33.7	32.1	30.3	28.4	27.4	26.6	25.9	25.2	24.4	23.5	22.6
27.5°	43.2	40.9	38.1	35.4	33.2	31.2	29.4	27.8	27.0	25.8	24.5
30°	52.1	48.5	44.8	41.8	39.0	36.5	34.3	32.2	30.0	28.0	26.3
32.5°	59.7	55.0	50.8	47.1	43.8	40.8	38.0	35.2	32.8	30.6	28.6
35°	66.4	60.8	56.0	51.6	47.7	44.0	40.7	37.7	35.1	32.9	31.1
37.5°	72.4	66.1	60.3	55.3	50.7	46.5	42.8	39.8	37.2	35.1	33.1
40°	77.7	70.6	64.1	58.2	53.1	48.4	44.8	41.7	39.2	36.8	34.5
42.5°	82.6	74.3	67.2	60.7	54.9	50.4	46.5	43.6	40.8	38.2	35.8
45°	86.9	77.8	69.6	62.7	56.8	52.0	48.4	45.1	42.2	39.6	37.1
47.5°	89.9	80.6	71.9	64.2	58.5	53.8	49.9	46.5	43.6	40.9	38.5
50°	91.3	83.0	75.3	68.1	61.6	55.7	51.4	47.9	45.0	42.4	40.0
52.5°	93.8	86.5	79.8	74.0	68.2	62.3	56.6	51.3	46.5	44.1	41.6
55°	97.1	91.1	85.3	80.6	75.0	69.1	63.2	57.6	52.6	47.9	43.4
57.5°	101.1	96.3	92.0	87.8	82.1	75.9	69.7	63.8	58.2	52.9	47.4
60°	105.8	102.3	99.3	95.1	89.2	82.7	76.1	69.5	63.2	57.0	50.8
62.5°	111.2	108.8	107.2	102.7	96.4	89.4	82.2	74.8	67.8	60.5	54.0
65°	117.2	116.1	115.7	110.4	103.5	96.0	88.0	79.8	71.8	63.6	56.7
67.5°	123.5	123.9	123.4	118.1	110.7	102.6	93.5	84.5	75.3	66.6	58.9
70°	126.5	128.9	129.4	125.1	117.8	108.9	98.7	88.9	78.5	69.3	61.0
72.5°	125.8	128.6	128.9	125.2	119.1	111.3	101.9	92.2	81.7	71.7	62.8
75°	125.2	128.3	128.7	125.7	120.2	112.5	103.4	93.6	83.5	73.7	64.7
77.5°	124.5	128.1	128.9	126.6	121.7	114.1	105.2	95.6	85.6	75.8	66.4
80°	123.9	127.7	129.3	127.8	123.4	116.1	107.4	98.0	88.1	78.0	68.3
82.5°	123.3	127.4	129.8	129.4	125.5	118.4	109.9	100.8	91.0	80.6	70.4
85°	122.7	127.0	130.5	131.1	127.8	121.0	112.8	104.1	94.3	83.5	72.9
87.5°	122.0	126.5	131.2	132.9	130.2	123.9	115.9	107.7	98.0	86.7	75.7
90°	121.2	126.0	131.8	134.7	132.8	127.0	119.3	111.6	102.0	90.4	78.9
92.5°	122.0	126.5	131.2	132.9	130.2	123.9	115.9	107.7	98.0	86.7	75.7
95°	122.7	127.0	130.5	131.1	127.8	121.0	112.8	104.1	94.3	83.5	72.9
97.5°	123.3	127.4	129.8	129.4	125.5	118.4	109.9	100.8	91.0	80.6	70.4
100°	123.9	127.7	129.3	127.8	123.4	116.1	107.4	98.0	88.1	78.0	68.3
102.5°	124.5	128.1	128.9	126.6	121.7	114.1	105.2	95.6	85.6	75.8	66.4
105°	125.2	128.3	128.7	125.7	120.2	112.5	103.4	93.6	83.5	73.7	64.7
107.5°	125.8	128.6	128.9	125.2	119.1	111.3	101.9	92.2	81.7	71.7	62.8
110°	126.5	128.9	129.4	125.1	117.8	108.9	98.7	88.9	78.5	69.3	61.0



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	123.5	123.9	123.4	118.1	110.7	102.6	93.5	84.5	75.3	66.6	58.9
115°	117.2	116.1	115.7	110.4	103.5	96.0	88.0	79.8	71.8	63.6	56.7
117.5°	111.2	108.8	107.2	102.7	96.4	89.4	82.2	74.8	67.8	60.5	54.0
120°	105.8	102.3	99.3	95.1	89.2	82.7	76.1	69.5	63.2	57.0	50.8
122.5°	101.1	96.3	92.0	87.8	82.1	75.9	69.7	63.8	58.2	52.9	47.4
125°	97.1	91.1	85.3	80.6	75.0	69.1	63.2	57.6	52.6	47.9	43.4
127.5°	93.8	86.5	79.8	74.0	68.2	62.3	56.6	51.3	46.5	44.1	41.6
130°	91.3	83.0	75.3	68.1	61.6	55.7	51.4	47.9	45.0	42.4	40.0
132.5°	89.9	80.6	71.9	64.2	58.5	53.8	49.9	46.5	43.6	40.9	38.5
135°	86.9	77.8	69.6	62.7	56.8	52.0	48.4	45.1	42.2	39.6	37.1
137.5°	82.6	74.3	67.2	60.7	54.9	50.4	46.5	43.6	40.8	38.2	35.8
140°	77.7	70.6	64.1	58.2	53.1	48.4	44.8	41.7	39.2	36.8	34.5
142.5°	72.4	66.1	60.3	55.3	50.7	46.5	42.8	39.8	37.2	35.1	33.1
145°	66.4	60.8	56.0	51.6	47.7	44.0	40.7	37.7	35.1	32.9	31.1
147.5°	59.7	55.0	50.8	47.1	43.8	40.8	38.0	35.2	32.8	30.6	28.6
150°	52.1	48.5	44.8	41.8	39.0	36.5	34.3	32.2	30.0	28.0	26.3
152.5°	43.2	40.9	38.1	35.4	33.2	31.2	29.4	27.8	27.0	25.8	24.5
155°	33.7	32.1	30.3	28.4	27.4	26.6	25.9	25.2	24.4	23.5	22.6
157.5°	27.3	26.9	26.4	25.8	25.0	24.1	23.2	22.6	21.8	21.1	20.2
160°	24.3	23.9	23.4	23.0	22.5	21.7	20.9	20.1	19.3	18.6	17.9
162.5°	21.2	20.9	20.5	20.1	19.6	19.1	18.6	17.9	17.2	16.4	15.6
165°	18.2	17.9	17.5	17.2	16.8	16.4	15.9	15.4	14.9	14.4	13.7
167.5°	15.1	14.9	14.6	14.3	14.0	13.6	13.2	12.8	12.4	11.9	11.4
170°	12.1	11.9	11.7	11.4	11.2	10.9	10.6	10.2	9.9	9.5	9.1
172.5°	9.1	8.9	8.7	8.6	8.4	8.1	7.9	7.7	7.4	7.1	6.8
175°	6.1	6.0	5.9	5.7	5.6	5.4	5.3	5.1	4.9	4.7	4.5
177.5°	3.1	3.0	3.0	2.9	2.8	2.7	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: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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	1.7	1.6	1.5	1.4	1.2	1.1	1.0
5°	4.3	4.1	3.9	3.7	3.5	3.2	3.0	2.7	2.5	2.2	1.9
7.5°	6.5	6.2	5.9	5.5	5.2	4.8	4.5	4.1	3.7	3.3	2.9
10°	8.7	8.3	7.9	7.4	7.0	6.5	6.0	5.5	5.0	4.4	3.9
12.5°	10.9	10.4	9.9	9.3	8.7	8.0	7.4	6.8	6.1	5.4	4.8
15°	13.0	12.3	11.6	10.9	10.2	9.5	8.7	8.0	7.3	6.5	5.7
17.5°	14.9	14.2	13.5	12.7	11.9	11.1	10.3	9.4	8.5	7.6	6.7
20°	17.1	16.3	15.5	14.6	13.7	12.8	11.8	10.8	9.7	8.6	7.6
22.5°	19.4	18.5	17.5	16.4	15.3	14.1	13.0	11.8	10.7	9.5	8.3
25°	21.5	20.3	19.1	17.8	16.6	15.4	14.1	12.9	11.7	10.5	9.2
27.5°	23.2	21.9	20.6	19.3	18.1	16.9	15.6	14.3	13.0	11.5	10.1
30°	24.9	23.5	22.4	21.2	19.9	18.4	16.9	15.4	13.8	12.3	10.8
32.5°	27.1	25.7	24.4	22.8	21.2	19.6	18.0	16.3	14.7	13.0	11.3
35°	29.5	27.6	25.8	24.1	22.4	20.7	18.8	16.9	15.0	13.2	11.6
37.5°	31.0	29.0	27.2	25.4	23.3	21.1	19.1	17.4	15.6	13.9	12.1
40°	32.4	30.4	28.2	26.0	23.8	21.9	20.0	18.2	16.3	14.5	12.6
42.5°	33.7	31.4	29.0	27.0	25.0	22.9	20.9	18.9	17.0	15.0	13.1
45°	34.8	32.4	30.3	28.2	25.9	23.7	21.7	19.6	17.6	15.6	13.6
47.5°	36.1	33.9	31.5	29.0	26.8	24.6	22.4	20.3	18.3	16.2	14.1
50°	37.6	35.0	32.3	30.0	27.7	25.3	23.0	20.9	18.8	16.7	14.5
52.5°	38.9	35.9	33.5	31.0	28.3	25.9	23.7	21.5	19.3	17.1	15.0
55°	39.9	37.2	34.5	31.6	29.1	26.7	24.3	22.0	19.7	17.5	15.3
57.5°	42.6	38.6	35.2	32.4	29.9	27.4	25.0	22.6	20.2	17.9	15.6
60°	45.8	40.9	36.7	33.4	30.7	28.2	25.6	23.1	20.5	18.0	15.5
62.5°	48.2	42.9	38.6	34.9	31.7	28.9	26.3	23.4	20.6	17.6	14.8
65°	50.2	44.7	40.0	35.9	32.4	29.5	26.6	23.3	20.1	17.0	14.3
67.5°	52.0	46.2	41.1	36.6	32.7	29.3	26.1	23.0	19.5	16.2	13.4
70°	53.7	47.4	41.8	36.8	32.7	28.8	25.3	21.8	18.3	15.4	12.5
72.5°	55.1	48.4	42.3	36.9	32.4	28.3	24.4	20.4	17.4	14.5	11.7
75°	56.5	49.3	42.5	36.8	32.1	27.7	23.3	19.7	16.6	13.5	10.5
77.5°	57.9	50.2	43.0	36.9	31.9	27.1	22.4	19.4	15.9	12.5	9.5
80°	59.5	51.1	43.6	37.1	31.5	26.3	22.2	19.1	15.3	11.6	8.4
82.5°	61.2	52.3	44.3	37.3	31.2	25.6	21.3	17.7	14.2	10.7	7.5
85°	63.2	53.7	45.2	37.7	31.0	25.0	20.4	16.6	13.2	9.8	7.0
87.5°	65.5	55.5	46.4	38.4	31.2	24.8	19.7	15.8	12.7	9.5	7.2
90°	68.3	57.7	48.1	39.4	31.7	25.0	19.2	15.4	12.5	9.6	7.7
92.5°	65.5	55.5	46.4	38.4	31.2	24.8	19.7	15.8	12.7	9.5	7.2
95°	63.2	53.7	45.2	37.7	31.0	25.0	20.4	16.6	13.2	9.8	7.0
97.5°	61.2	52.3	44.3	37.3	31.2	25.6	21.3	17.7	14.2	10.7	7.5
100°	59.5	51.1	43.6	37.1	31.5	26.3	22.2	19.1	15.3	11.6	8.4
102.5°	57.9	50.2	43.0	36.9	31.9	27.1	22.4	19.4	15.9	12.5	9.5
105°	56.5	49.3	42.5	36.8	32.1	27.7	23.3	19.7	16.6	13.5	10.5
107.5°	55.1	48.4	42.3	36.9	32.4	28.3	24.4	20.4	17.4	14.5	11.7
110°	53.7	47.4	41.8	36.8	32.7	28.8	25.3	21.8	18.3	15.4	12.5



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	52.0	46.2	41.1	36.6	32.7	29.3	26.1	23.0	19.5	16.2	13.4
115°	50.2	44.7	40.0	35.9	32.4	29.5	26.6	23.3	20.1	17.0	14.3
117.5°	48.2	42.9	38.6	34.9	31.7	28.9	26.3	23.4	20.6	17.6	14.8
120°	45.8	40.9	36.7	33.4	30.7	28.2	25.6	23.1	20.5	18.0	15.5
122.5°	42.6	38.6	35.2	32.4	29.9	27.4	25.0	22.6	20.2	17.9	15.6
125°	39.9	37.2	34.5	31.6	29.1	26.7	24.3	22.0	19.7	17.5	15.3
127.5°	38.9	35.9	33.5	31.0	28.3	25.9	23.7	21.5	19.3	17.1	15.0
130°	37.6	35.0	32.3	30.0	27.7	25.3	23.0	20.9	18.8	16.7	14.5
132.5°	36.1	33.9	31.5	29.0	26.8	24.6	22.4	20.3	18.3	16.2	14.1
135°	34.8	32.4	30.3	28.2	25.9	23.7	21.7	19.6	17.6	15.6	13.6
137.5°	33.7	31.4	29.0	27.0	25.0	22.9	20.9	18.9	17.0	15.0	13.1
140°	32.4	30.4	28.2	26.0	23.8	21.9	20.0	18.2	16.3	14.5	12.6
142.5°	31.0	29.0	27.2	25.4	23.3	21.1	19.1	17.4	15.6	13.9	12.1
145°	29.5	27.6	25.8	24.1	22.4	20.7	18.8	16.9	15.0	13.2	11.6
147.5°	27.1	25.7	24.4	22.8	21.2	19.6	18.0	16.3	14.7	13.0	11.3
150°	24.9	23.5	22.4	21.2	19.9	18.4	16.9	15.4	13.8	12.3	10.8
152.5°	23.2	21.9	20.6	19.3	18.1	16.9	15.6	14.3	13.0	11.5	10.1
155°	21.5	20.3	19.1	17.8	16.6	15.4	14.1	12.9	11.7	10.5	9.2
157.5°	19.4	18.5	17.5	16.4	15.3	14.1	13.0	11.8	10.7	9.5	8.3
160°	17.1	16.3	15.5	14.6	13.7	12.8	11.8	10.8	9.7	8.6	7.6
162.5°	14.9	14.2	13.5	12.7	11.9	11.1	10.3	9.4	8.5	7.6	6.7
165°	13.0	12.3	11.6	10.9	10.2	9.5	8.7	8.0	7.3	6.5	5.7
167.5°	10.9	10.4	9.9	9.3	8.7	8.0	7.4	6.8	6.1	5.4	4.8
170°	8.7	8.3	7.9	7.4	7.0	6.5	6.0	5.5	5.0	4.4	3.9
172.5°	6.5	6.2	5.9	5.5	5.2	4.8	4.5	4.1	3.7	3.3	2.9
175°	4.3	4.1	3.9	3.7	3.5	3.2	3.0	2.7	2.5	2.2	1.9
177.5°	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.2	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: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
7.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.4	0.8	1.3	1.7
10°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
12.5°	4.1	3.4	2.7	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.7
15°	4.9	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
17.5°	5.8	4.8	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
20°	6.5	5.4	4.3	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.3
22.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
25°	8.0	6.7	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
27.5°	8.7	7.2	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
30°	9.3	7.7	6.2	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.2
32.5°	9.6	8.0	6.3	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.3
35°	9.9	8.3	6.6	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.6
37.5°	10.4	8.6	6.9	5.2	3.4	1.7	0.0	1.7	3.4	5.2	6.9
40°	10.8	9.0	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
42.5°	11.2	9.3	7.5	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.5
45°	11.7	9.7	7.7	5.8	3.8	1.9	0.0	1.9	3.8	5.8	7.7
47.5°	12.0	10.0	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0
50°	12.4	10.3	8.2	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.2
52.5°	12.8	10.6	8.4	6.3	4.2	2.1	0.0	2.1	4.2	6.3	8.4
55°	13.1	10.8	8.6	6.5	4.3	2.1	0.0	2.1	4.3	6.5	8.6
57.5°	13.4	11.0	8.5	6.2	4.1	2.0	0.0	2.0	4.1	6.2	8.5
60°	12.9	10.4	8.3	6.2	4.1	2.0	0.0	2.0	4.1	6.2	8.3
62.5°	12.5	10.6	8.1	5.9	3.8	1.9	0.0	1.9	3.8	5.9	8.1
65°	11.9	9.6	7.4	5.2	3.3	1.6	0.0	1.6	3.3	5.2	7.4
67.5°	10.9	8.5	6.6	5.0	3.5	2.3	1.0	2.3	3.5	5.0	6.6
70°	9.9	7.8	6.2	4.8	3.4	2.2	1.0	2.2	3.4	4.8	6.2
72.5°	9.0	7.2	5.7	4.4	3.1	2.0	1.0	2.0	3.1	4.4	5.7
75°	8.4	6.4	4.6	3.6	2.8	1.8	1.0	1.8	2.8	3.6	4.6
77.5°	7.2	4.9	3.5	2.4	1.1	0.2	0.0	0.2	1.1	2.4	3.5
80°	5.8	3.7	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°	4.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.1	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°	5.8	3.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
102.5°	7.2	4.9	3.5	2.4	1.1	0.2	0.0	0.2	1.1	2.4	3.5
105°	8.4	6.4	4.6	3.6	2.8	1.8	1.0	1.8	2.8	3.6	4.6
107.5°	9.0	7.2	5.7	4.4	3.1	2.0	1.0	2.0	3.1	4.4	5.7
110°	9.9	7.8	6.2	4.8	3.4	2.2	1.0	2.2	3.4	4.8	6.2



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	10.9	8.5	6.6	5.0	3.5	2.3	1.0	2.3	3.5	5.0	6.6
115°	11.9	9.6	7.4	5.2	3.3	1.6	0.0	1.6	3.3	5.2	7.4
117.5°	12.5	10.6	8.1	5.9	3.8	1.9	0.0	1.9	3.8	5.9	8.1
120°	12.9	10.4	8.3	6.2	4.1	2.0	0.0	2.0	4.1	6.2	8.3
122.5°	13.4	11.0	8.5	6.2	4.1	2.0	0.0	2.0	4.1	6.2	8.5
125°	13.1	10.8	8.6	6.5	4.3	2.1	0.0	2.1	4.3	6.5	8.6
127.5°	12.8	10.6	8.4	6.3	4.2	2.1	0.0	2.1	4.2	6.3	8.4
130°	12.4	10.3	8.2	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.2
132.5°	12.0	10.0	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0
135°	11.7	9.7	7.7	5.8	3.8	1.9	0.0	1.9	3.8	5.8	7.7
137.5°	11.2	9.3	7.5	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.5
140°	10.8	9.0	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
142.5°	10.4	8.6	6.9	5.2	3.4	1.7	0.0	1.7	3.4	5.2	6.9
145°	9.9	8.3	6.6	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.6
147.5°	9.6	8.0	6.3	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.3
150°	9.3	7.7	6.2	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.2
152.5°	8.7	7.2	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
155°	8.0	6.7	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
157.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
160°	6.5	5.4	4.3	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.3
162.5°	5.8	4.8	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
165°	4.9	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
167.5°	4.1	3.4	2.7	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.7
170°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
172.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.4	0.8	1.3	1.7
175°	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	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: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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	1.2	1.4	1.5	1.6	1.7	1.9	2.0
5°	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.2	3.5	3.7	3.9
7.5°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.8	5.2	5.5	5.9
10°	2.8	3.4	3.9	4.4	5.0	5.5	6.0	6.5	7.0	7.4	7.9
12.5°	3.4	4.1	4.8	5.4	6.1	6.8	7.4	8.0	8.7	9.3	9.9
15°	4.1	4.9	5.7	6.5	7.3	8.0	8.7	9.5	10.2	10.9	11.6
17.5°	4.8	5.8	6.7	7.6	8.5	9.4	10.3	11.1	11.9	12.7	13.5
20°	5.4	6.5	7.6	8.6	9.7	10.8	11.8	12.8	13.7	14.6	15.5
22.5°	6.0	7.1	8.3	9.5	10.7	11.8	13.0	14.1	15.3	16.4	17.5
25°	6.7	8.0	9.2	10.5	11.7	12.9	14.1	15.4	16.6	17.8	19.1
27.5°	7.2	8.7	10.1	11.5	13.0	14.3	15.6	16.9	18.1	19.3	20.6
30°	7.7	9.3	10.8	12.3	13.8	15.4	16.9	18.4	19.9	21.2	22.4
32.5°	8.0	9.6	11.3	13.0	14.7	16.3	18.0	19.6	21.2	22.8	24.4
35°	8.3	9.9	11.6	13.2	15.0	16.9	18.8	20.7	22.4	24.1	25.8
37.5°	8.6	10.4	12.1	13.9	15.6	17.4	19.1	21.1	23.3	25.4	27.2
40°	9.0	10.8	12.6	14.5	16.3	18.2	20.0	21.9	23.8	26.0	28.2
42.5°	9.3	11.2	13.1	15.0	17.0	18.9	20.9	22.9	25.0	27.0	29.0
45°	9.7	11.7	13.6	15.6	17.6	19.6	21.7	23.7	25.9	28.2	30.3
47.5°	10.0	12.0	14.1	16.2	18.3	20.3	22.4	24.6	26.8	29.0	31.5
50°	10.3	12.4	14.5	16.7	18.8	20.9	23.0	25.3	27.7	30.0	32.3
52.5°	10.6	12.8	15.0	17.1	19.3	21.5	23.7	25.9	28.3	31.0	33.5
55°	10.8	13.1	15.3	17.5	19.7	22.0	24.3	26.7	29.1	31.6	34.5
57.5°	11.0	13.4	15.6	17.9	20.2	22.6	25.0	27.4	29.9	32.4	35.2
60°	10.4	12.9	15.5	18.0	20.5	23.1	25.6	28.2	30.7	33.4	36.7
62.5°	10.6	12.5	14.8	17.6	20.6	23.4	26.3	28.9	31.7	34.9	38.6
65°	9.6	11.9	14.3	17.0	20.1	23.3	26.6	29.5	32.4	35.9	40.0
67.5°	8.5	10.9	13.4	16.2	19.5	23.0	26.1	29.3	32.7	36.6	41.1
70°	7.8	9.9	12.5	15.4	18.3	21.8	25.3	28.8	32.7	36.8	41.8
72.5°	7.2	9.0	11.7	14.5	17.4	20.4	24.4	28.3	32.4	36.9	42.3
75°	6.4	8.4	10.5	13.5	16.6	19.7	23.3	27.7	32.1	36.8	42.5
77.5°	4.9	7.2	9.5	12.5	15.9	19.4	22.4	27.1	31.9	36.9	43.0
80°	3.7	5.8	8.4	11.6	15.3	19.1	22.2	26.3	31.5	37.1	43.6
82.5°	2.4	4.8	7.5	10.7	14.2	17.7	21.3	25.6	31.2	37.3	44.3
85°	1.1	4.1	7.0	9.8	13.2	16.6	20.4	25.0	31.0	37.7	45.2
87.5°	0.4	4.2	7.2	9.5	12.7	15.8	19.7	24.8	31.2	38.4	46.4
90°	0.0	4.8	7.7	9.6	12.5	15.4	19.2	25.0	31.7	39.4	48.1
92.5°	0.4	4.2	7.2	9.5	12.7	15.8	19.7	24.8	31.2	38.4	46.4
95°	1.1	4.1	7.0	9.8	13.2	16.6	20.4	25.0	31.0	37.7	45.2
97.5°	2.4	4.8	7.5	10.7	14.2	17.7	21.3	25.6	31.2	37.3	44.3
100°	3.7	5.8	8.4	11.6	15.3	19.1	22.2	26.3	31.5	37.1	43.6
102.5°	4.9	7.2	9.5	12.5	15.9	19.4	22.4	27.1	31.9	36.9	43.0
105°	6.4	8.4	10.5	13.5	16.6	19.7	23.3	27.7	32.1	36.8	42.5
107.5°	7.2	9.0	11.7	14.5	17.4	20.4	24.4	28.3	32.4	36.9	42.3
110°	7.8	9.9	12.5	15.4	18.3	21.8	25.3	28.8	32.7	36.8	41.8



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	8.5	10.9	13.4	16.2	19.5	23.0	26.1	29.3	32.7	36.6	41.1
115°	9.6	11.9	14.3	17.0	20.1	23.3	26.6	29.5	32.4	35.9	40.0
117.5°	10.6	12.5	14.8	17.6	20.6	23.4	26.3	28.9	31.7	34.9	38.6
120°	10.4	12.9	15.5	18.0	20.5	23.1	25.6	28.2	30.7	33.4	36.7
122.5°	11.0	13.4	15.6	17.9	20.2	22.6	25.0	27.4	29.9	32.4	35.2
125°	10.8	13.1	15.3	17.5	19.7	22.0	24.3	26.7	29.1	31.6	34.5
127.5°	10.6	12.8	15.0	17.1	19.3	21.5	23.7	25.9	28.3	31.0	33.5
130°	10.3	12.4	14.5	16.7	18.8	20.9	23.0	25.3	27.7	30.0	32.3
132.5°	10.0	12.0	14.1	16.2	18.3	20.3	22.4	24.6	26.8	29.0	31.5
135°	9.7	11.7	13.6	15.6	17.6	19.6	21.7	23.7	25.9	28.2	30.3
137.5°	9.3	11.2	13.1	15.0	17.0	18.9	20.9	22.9	25.0	27.0	29.0
140°	9.0	10.8	12.6	14.5	16.3	18.2	20.0	21.9	23.8	26.0	28.2
142.5°	8.6	10.4	12.1	13.9	15.6	17.4	19.1	21.1	23.3	25.4	27.2
145°	8.3	9.9	11.6	13.2	15.0	16.9	18.8	20.7	22.4	24.1	25.8
147.5°	8.0	9.6	11.3	13.0	14.7	16.3	18.0	19.6	21.2	22.8	24.4
150°	7.7	9.3	10.8	12.3	13.8	15.4	16.9	18.4	19.9	21.2	22.4
152.5°	7.2	8.7	10.1	11.5	13.0	14.3	15.6	16.9	18.1	19.3	20.6
155°	6.7	8.0	9.2	10.5	11.7	12.9	14.1	15.4	16.6	17.8	19.1
157.5°	6.0	7.1	8.3	9.5	10.7	11.8	13.0	14.1	15.3	16.4	17.5
160°	5.4	6.5	7.6	8.6	9.7	10.8	11.8	12.8	13.7	14.6	15.5
162.5°	4.8	5.8	6.7	7.6	8.5	9.4	10.3	11.1	11.9	12.7	13.5
165°	4.1	4.9	5.7	6.5	7.3	8.0	8.7	9.5	10.2	10.9	11.6
167.5°	3.4	4.1	4.8	5.4	6.1	6.8	7.4	8.0	8.7	9.3	9.9
170°	2.8	3.4	3.9	4.4	5.0	5.5	6.0	6.5	7.0	7.4	7.9
172.5°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.8	5.2	5.5	5.9
175°	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.2	3.5	3.7	3.9
177.5°	0.7	0.8	1.0	1.1	1.2	1.4	1.5	1.6	1.7	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: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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	2.7	2.8	2.9	3.0
5°	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.7	5.9
7.5°	6.2	6.5	6.8	7.1	7.4	7.7	7.9	8.1	8.4	8.6	8.7
10°	8.3	8.7	9.1	9.5	9.9	10.2	10.6	10.9	11.2	11.4	11.7
12.5°	10.4	10.9	11.4	11.9	12.4	12.8	13.2	13.6	14.0	14.3	14.6
15°	12.3	13.0	13.7	14.4	14.9	15.4	15.9	16.4	16.8	17.2	17.5
17.5°	14.2	14.9	15.6	16.4	17.2	17.9	18.6	19.1	19.6	20.1	20.5
20°	16.3	17.1	17.9	18.6	19.3	20.1	20.9	21.7	22.5	23.0	23.4
22.5°	18.5	19.4	20.2	21.1	21.8	22.6	23.2	24.1	25.0	25.8	26.4
25°	20.3	21.5	22.6	23.5	24.4	25.2	25.9	26.6	27.4	28.4	30.3
27.5°	21.9	23.2	24.5	25.8	27.0	27.8	29.4	31.2	33.2	35.4	38.1
30°	23.5	24.9	26.3	28.0	30.0	32.2	34.3	36.5	39.0	41.8	44.8
32.5°	25.7	27.1	28.6	30.6	32.8	35.2	38.0	40.8	43.8	47.1	50.8
35°	27.6	29.5	31.1	32.9	35.1	37.7	40.7	44.0	47.7	51.6	56.0
37.5°	29.0	31.0	33.1	35.1	37.2	39.8	42.8	46.5	50.7	55.3	60.3
40°	30.4	32.4	34.5	36.8	39.2	41.7	44.8	48.4	53.1	58.2	64.1
42.5°	31.4	33.7	35.8	38.2	40.8	43.6	46.5	50.4	54.9	60.7	67.2
45°	32.4	34.8	37.1	39.6	42.2	45.1	48.4	52.0	56.8	62.7	69.6
47.5°	33.9	36.1	38.5	40.9	43.6	46.5	49.9	53.8	58.5	64.2	71.9
50°	35.0	37.6	40.0	42.4	45.0	47.9	51.4	55.7	61.6	68.1	75.3
52.5°	35.9	38.9	41.6	44.1	46.5	51.3	56.6	62.3	68.2	74.0	79.8
55°	37.2	39.9	43.4	47.9	52.6	57.6	63.2	69.1	75.0	80.6	85.3
57.5°	38.6	42.6	47.4	52.9	58.2	63.8	69.7	75.9	82.1	87.8	92.0
60°	40.9	45.8	50.8	57.0	63.2	69.5	76.1	82.7	89.2	95.1	99.3
62.5°	42.9	48.2	54.0	60.5	67.8	74.8	82.2	89.4	96.4	102.7	107.2
65°	44.7	50.2	56.7	63.6	71.8	79.8	88.0	96.0	103.5	110.4	115.7
67.5°	46.2	52.0	58.9	66.6	75.3	84.5	93.5	102.6	110.7	118.1	123.4
70°	47.4	53.7	61.0	69.3	78.5	88.9	98.7	108.9	117.8	125.1	129.4
72.5°	48.4	55.1	62.8	71.7	81.7	92.2	101.9	111.3	119.1	125.2	128.9
75°	49.3	56.5	64.7	73.7	83.5	93.6	103.4	112.5	120.2	125.7	128.7
77.5°	50.2	57.9	66.4	75.8	85.6	95.6	105.2	114.1	121.7	126.6	128.9
80°	51.1	59.5	68.3	78.0	88.1	98.0	107.4	116.1	123.4	127.8	129.3
82.5°	52.3	61.2	70.4	80.6	91.0	100.8	109.9	118.4	125.5	129.4	129.8
85°	53.7	63.2	72.9	83.5	94.3	104.1	112.8	121.0	127.8	131.1	130.5
87.5°	55.5	65.5	75.7	86.7	98.0	107.7	115.9	123.9	130.2	132.9	131.2
90°	57.7	68.3	78.9	90.4	102.0	111.6	119.3	127.0	132.8	134.7	131.8
92.5°	55.5	65.5	75.7	86.7	98.0	107.7	115.9	123.9	130.2	132.9	131.2
95°	53.7	63.2	72.9	83.5	94.3	104.1	112.8	121.0	127.8	131.1	130.5
97.5°	52.3	61.2	70.4	80.6	91.0	100.8	109.9	118.4	125.5	129.4	129.8
100°	51.1	59.5	68.3	78.0	88.1	98.0	107.4	116.1	123.4	127.8	129.3
102.5°	50.2	57.9	66.4	75.8	85.6	95.6	105.2	114.1	121.7	126.6	128.9
105°	49.3	56.5	64.7	73.7	83.5	93.6	103.4	112.5	120.2	125.7	128.7
107.5°	48.4	55.1	62.8	71.7	81.7	92.2	101.9	111.3	119.1	125.2	128.9
110°	47.4	53.7	61.0	69.3	78.5	88.9	98.7	108.9	117.8	125.1	129.4



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	46.2	52.0	58.9	66.6	75.3	84.5	93.5	102.6	110.7	118.1	123.4
115°	44.7	50.2	56.7	63.6	71.8	79.8	88.0	96.0	103.5	110.4	115.7
117.5°	42.9	48.2	54.0	60.5	67.8	74.8	82.2	89.4	96.4	102.7	107.2
120°	40.9	45.8	50.8	57.0	63.2	69.5	76.1	82.7	89.2	95.1	99.3
122.5°	38.6	42.6	47.4	52.9	58.2	63.8	69.7	75.9	82.1	87.8	92.0
125°	37.2	39.9	43.4	47.9	52.6	57.6	63.2	69.1	75.0	80.6	85.3
127.5°	35.9	38.9	41.6	44.1	46.5	51.3	56.6	62.3	68.2	74.0	79.8
130°	35.0	37.6	40.0	42.4	45.0	47.9	51.4	55.7	61.6	68.1	75.3
132.5°	33.9	36.1	38.5	40.9	43.6	46.5	49.9	53.8	58.5	64.2	71.9
135°	32.4	34.8	37.1	39.6	42.2	45.1	48.4	52.0	56.8	62.7	69.6
137.5°	31.4	33.7	35.8	38.2	40.8	43.6	46.5	50.4	54.9	60.7	67.2
140°	30.4	32.4	34.5	36.8	39.2	41.7	44.8	48.4	53.1	58.2	64.1
142.5°	29.0	31.0	33.1	35.1	37.2	39.8	42.8	46.5	50.7	55.3	60.3
145°	27.6	29.5	31.1	32.9	35.1	37.7	40.7	44.0	47.7	51.6	56.0
147.5°	25.7	27.1	28.6	30.6	32.8	35.2	38.0	40.8	43.8	47.1	50.8
150°	23.5	24.9	26.3	28.0	30.0	32.2	34.3	36.5	39.0	41.8	44.8
152.5°	21.9	23.2	24.5	25.8	27.0	27.8	29.4	31.2	33.2	35.4	38.1
155°	20.3	21.5	22.6	23.5	24.4	25.2	25.9	26.6	27.4	28.4	30.3
157.5°	18.5	19.4	20.2	21.1	21.8	22.6	23.2	24.1	25.0	25.8	26.4
160°	16.3	17.1	17.9	18.6	19.3	20.1	20.9	21.7	22.5	23.0	23.4
162.5°	14.2	14.9	15.6	16.4	17.2	17.9	18.6	19.1	19.6	20.1	20.5
165°	12.3	13.0	13.7	14.4	14.9	15.4	15.9	16.4	16.8	17.2	17.5
167.5°	10.4	10.9	11.4	11.9	12.4	12.8	13.2	13.6	14.0	14.3	14.6
170°	8.3	8.7	9.1	9.5	9.9	10.2	10.6	10.9	11.2	11.4	11.7
172.5°	6.2	6.5	6.8	7.1	7.4	7.7	7.9	8.1	8.4	8.6	8.7
175°	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.7	5.9
177.5°	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	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: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.7
5°	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.6	7.4
7.5°	8.9	9.1	9.2	9.4	9.5	9.6	9.7	9.8	9.9	9.9	11.1
10°	11.9	12.1	12.3	12.4	12.6	12.8	12.9	13.1	13.2	13.2	14.8
12.5°	14.9	15.1	15.3	15.5	15.7	15.9	16.1	16.3	16.4	16.6	18.5
15°	17.9	18.2	18.4	18.6	18.8	19.0	19.2	19.5	19.7	19.9	22.2
17.5°	20.9	21.2	21.5	21.8	22.0	22.2	22.4	22.7	22.9	23.2	25.8
20°	23.9	24.3	24.6	24.9	25.1	25.3	25.5	25.9	26.2	26.5	29.5
22.5°	26.9	27.3	27.7	28.0	28.3	28.5	28.7	29.0	29.4	29.8	33.1
25°	32.1	33.7	35.2	36.4	37.4	38.2	38.7	39.1	39.6	39.9	43.2
27.5°	40.9	43.2	45.3	46.9	48.0	48.8	49.2	49.5	49.8	49.9	53.3
30°	48.5	52.1	54.7	57.3	58.6	59.6	59.9	59.9	60.0	60.0	63.4
32.5°	55.0	59.7	63.7	67.1	69.1	70.3	70.6	70.4	70.3	70.0	73.4
35°	60.8	66.4	72.2	76.3	79.7	80.9	81.4	81.0	80.6	80.1	83.4
37.5°	66.1	72.4	79.4	85.2	90.2	91.6	92.3	91.7	91.0	90.1	93.3
40°	70.6	77.7	85.9	93.6	99.4	102.2	103.2	102.4	101.3	100.2	103.2
42.5°	74.3	82.6	91.8	102.0	108.5	112.8	114.2	113.1	111.7	110.2	113.1
45°	77.8	86.9	97.0	108.4	117.3	123.4	124.8	123.8	122.2	120.3	122.9
47.5°	80.6	89.9	99.7	110.5	119.7	126.7	128.4	129.3	130.0	131.0	136.7
50°	83.0	91.3	100.3	110.1	119.9	127.8	131.1	134.1	137.5	141.7	150.8
52.5°	86.5	93.8	101.6	110.3	120.0	128.5	133.5	138.5	144.9	152.4	165.1
55°	91.1	97.1	103.6	110.9	120.1	129.1	135.6	142.6	152.0	163.1	179.7
57.5°	96.3	101.1	106.2	112.2	120.5	129.7	137.7	146.3	158.9	173.7	194.4
60°	102.3	105.8	109.6	114.3	121.3	130.4	139.5	149.8	165.7	184.4	209.2
62.5°	108.8	111.2	113.6	116.8	122.4	131.1	141.2	153.1	172.4	195.1	224.2
65°	116.1	117.2	118.1	119.8	123.8	131.8	142.8	156.2	178.9	205.8	239.3
67.5°	123.9	123.5	123.1	123.1	125.5	132.5	144.3	159.0	185.3	216.5	254.5
70°	128.9	126.5	124.4	123.2	124.7	131.0	143.1	157.4	183.4	214.6	253.2
72.5°	128.6	125.8	123.5	122.0	123.4	129.3	141.6	155.7	181.5	212.6	251.7
75°	128.3	125.2	122.5	120.7	122.1	127.6	140.3	154.1	179.7	210.7	251.4
77.5°	128.1	124.5	121.5	119.4	120.9	126.0	139.0	152.7	178.0	208.8	249.3
80°	127.7	123.9	120.5	118.0	119.7	124.5	137.8	151.4	176.3	206.8	247.1
82.5°	127.4	123.3	119.6	116.7	118.6	123.0	136.6	150.2	174.7	204.9	245.0
85°	127.0	122.7	118.5	115.3	117.5	121.7	135.6	149.1	173.2	203.0	242.9
87.5°	126.5	122.0	117.5	113.9	116.4	120.4	134.6	148.1	171.7	201.0	240.7
90°	126.0	121.2	116.4	112.6	115.4	119.3	133.7	147.2	170.3	199.1	238.6
92.5°	126.5	122.0	117.5	113.9	116.4	120.4	134.6	148.1	171.7	201.0	240.7
95°	127.0	122.7	118.5	115.3	117.5	121.7	135.6	149.1	173.2	203.0	242.9
97.5°	127.4	123.3	119.6	116.7	118.6	123.0	136.6	150.2	174.7	204.9	245.0
100°	127.7	123.9	120.5	118.0	119.7	124.5	137.8	151.4	176.3	206.8	247.1
102.5°	128.1	124.5	121.5	119.4	120.9	126.0	139.0	152.7	178.0	208.8	249.3
105°	128.3	125.2	122.5	120.7	122.1	127.6	140.3	154.1	179.7	210.7	251.4
107.5°	128.6	125.8	123.5	122.0	123.4	129.3	141.6	155.7	181.5	212.6	251.7
110°	128.9	126.5	124.4	123.2	124.7	131.0	143.1	157.4	183.4	214.6	253.2



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	123.9	123.5	123.1	123.1	125.5	132.5	144.3	159.0	185.3	216.5	254.5
115°	116.1	117.2	118.1	119.8	123.8	131.8	142.8	156.2	178.9	205.8	239.3
117.5°	108.8	111.2	113.6	116.8	122.4	131.1	141.2	153.1	172.4	195.1	224.2
120°	102.3	105.8	109.6	114.3	121.3	130.4	139.5	149.8	165.7	184.4	209.2
122.5°	96.3	101.1	106.2	112.2	120.5	129.7	137.7	146.3	158.9	173.7	194.4
125°	91.1	97.1	103.6	110.9	120.1	129.1	135.6	142.6	152.0	163.1	179.7
127.5°	86.5	93.8	101.6	110.3	120.0	128.5	133.5	138.5	144.9	152.4	165.1
130°	83.0	91.3	100.3	110.1	119.9	127.8	131.1	134.1	137.5	141.7	150.8
132.5°	80.6	89.9	99.7	110.5	119.7	126.7	128.4	129.3	130.0	131.0	136.7
135°	77.8	86.9	97.0	108.4	117.3	123.4	124.8	123.8	122.2	120.3	122.9
137.5°	74.3	82.6	91.8	102.0	108.5	112.8	114.2	113.1	111.7	110.2	113.1
140°	70.6	77.7	85.9	93.6	99.4	102.2	103.2	102.4	101.3	100.2	103.2
142.5°	66.1	72.4	79.4	85.2	90.2	91.6	92.3	91.7	91.0	90.1	93.3
145°	60.8	66.4	72.2	76.3	79.7	80.9	81.4	81.0	80.6	80.1	83.4
147.5°	55.0	59.7	63.7	67.1	69.1	70.3	70.6	70.4	70.3	70.0	73.4
150°	48.5	52.1	54.7	57.3	58.6	59.6	59.9	59.9	60.0	60.0	63.4
152.5°	40.9	43.2	45.3	46.9	48.0	48.8	49.2	49.5	49.8	49.9	53.3
155°	32.1	33.7	35.2	36.4	37.4	38.2	38.7	39.1	39.6	39.9	43.2
157.5°	26.9	27.3	27.7	28.0	28.3	28.5	28.7	29.0	29.4	29.8	33.1
160°	23.9	24.3	24.6	24.9	25.1	25.3	25.5	25.9	26.2	26.5	29.5
162.5°	20.9	21.2	21.5	21.8	22.0	22.2	22.4	22.7	22.9	23.2	25.8
165°	17.9	18.2	18.4	18.6	18.8	19.0	19.2	19.5	19.7	19.9	22.2
167.5°	14.9	15.1	15.3	15.5	15.7	15.9	16.1	16.3	16.4	16.6	18.5
170°	11.9	12.1	12.3	12.4	12.6	12.8	12.9	13.1	13.2	13.2	14.8
172.5°	8.9	9.1	9.2	9.4	9.5	9.6	9.7	9.8	9.9	9.9	11.1
175°	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.6	7.4
177.5°	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	4.1	4.5	4.9	5.3	5.7	6.0	6.4	6.7	7.0	7.3	7.6
5°	8.2	9.0	9.8	10.5	11.3	12.0	12.7	13.3	14.0	14.6	15.2
7.5°	12.3	13.5	14.6	15.7	16.8	17.9	19.0	20.6	22.1	23.6	25.0
10°	16.4	17.9	19.4	20.9	22.4	24.6	26.8	28.8	30.9	32.8	34.8
12.5°	20.4	22.3	24.2	26.3	29.1	31.8	34.4	37.0	39.6	42.1	44.6
15°	24.4	26.7	29.0	32.4	35.6	38.9	42.0	45.1	48.2	51.1	54.4
17.5°	28.4	31.0	34.5	38.3	42.1	45.8	49.4	52.9	56.4	59.7	62.9
20°	32.4	35.4	39.8	44.2	48.4	52.5	56.5	60.4	64.2	67.9	71.5
22.5°	36.4	40.2	45.1	50.0	54.5	58.9	63.3	67.5	71.7	75.6	79.1
25°	46.4	50.7	55.6	60.2	64.5	68.6	72.4	76.1	79.5	82.2	85.9
27.5°	56.6	61.5	66.6	71.3	75.8	80.1	84.0	87.8	90.7	93.5	96.2
30°	66.7	72.1	77.5	82.3	87.2	91.2	95.3	98.5	101.5	104.3	107.1
32.5°	77.0	82.6	88.0	93.0	97.6	101.9	105.7	108.8	111.8	114.6	118.0
35°	87.2	93.0	98.4	103.5	108.0	112.6	115.6	118.8	121.6	124.8	128.8
37.5°	97.4	103.2	108.6	113.8	118.1	122.0	125.3	128.2	131.3	134.7	139.1
40°	107.4	113.2	118.7	123.6	127.9	131.4	134.5	137.2	140.3	143.8	150.5
42.5°	117.4	123.1	128.6	133.3	137.3	140.5	143.3	145.9	149.0	153.8	160.9
45°	127.3	132.9	138.3	142.7	146.3	149.4	151.8	154.2	156.9	163.3	171.4
47.5°	144.6	152.8	159.2	161.9	163.3	163.9	163.9	163.3	165.6	172.4	181.5
50°	162.7	174.1	182.5	184.7	185.3	185.5	185.6	184.8	186.6	190.5	196.2
52.5°	181.3	195.9	205.5	207.3	206.9	207.1	207.2	206.6	209.0	213.9	220.2
55°	200.3	218.1	228.2	229.4	228.1	228.8	228.6	228.9	231.3	236.6	242.6
57.5°	219.8	240.6	250.9	251.2	249.3	250.5	250.0	250.7	253.8	258.7	264.0
60°	239.5	263.4	273.4	272.8	270.8	272.2	271.2	272.1	275.7	279.7	283.6
62.5°	259.6	286.5	295.8	294.2	292.3	293.5	292.5	293.2	297.1	299.5	302.1
65°	279.9	309.8	318.2	315.3	313.8	314.7	313.9	314.4	318.0	318.3	319.4
67.5°	300.4	333.2	340.4	336.3	335.3	335.9	334.9	335.5	337.5	336.2	335.5
70°	300.7	336.9	348.3	348.1	349.0	349.8	349.8	351.6	353.4	352.4	350.6
72.5°	300.2	339.2	354.9	358.2	359.3	359.2	358.7	359.5	359.0	356.7	355.4
75°	299.5	341.6	362.0	368.9	369.4	368.6	367.3	366.8	364.1	360.6	359.2
77.5°	298.7	343.9	369.6	379.8	379.2	377.9	375.8	373.6	369.0	364.2	363.0
80°	299.2	346.1	377.4	391.1	388.9	387.2	384.2	380.1	373.8	367.6	367.0
82.5°	297.3	349.5	386.7	402.6	398.5	396.5	392.5	386.4	378.4	370.9	370.9
85°	295.4	350.7	394.1	414.5	407.8	405.7	400.7	392.3	383.0	374.2	374.9
87.5°	293.4	351.9	401.5	425.6	417.5	415.0	409.1	398.6	387.5	377.4	378.9
90°	291.5	353.1	408.9	436.8	427.1	424.3	417.5	405.0	392.5	381.0	382.9
92.5°	293.4	351.9	401.5	425.6	417.5	415.0	409.1	398.6	387.5	377.4	378.9
95°	295.4	350.7	394.1	414.5	407.8	405.7	400.7	392.3	383.0	374.2	374.9
97.5°	297.3	349.5	386.7	402.6	398.5	396.5	392.5	386.4	378.4	370.9	370.9
100°	299.2	346.1	377.4	391.1	388.9	387.2	384.2	380.1	373.8	367.6	367.0
102.5°	298.7	343.9	369.6	379.8	379.2	377.9	375.8	373.6	369.0	364.2	363.0
105°	299.5	341.6	362.0	368.9	369.4	368.6	367.3	366.8	364.1	360.6	359.2
107.5°	300.2	339.2	354.9	358.2	359.3	359.2	358.7	359.5	359.0	356.7	355.4
110°	300.7	336.9	348.3	348.1	349.0	349.8	349.8	351.6	353.4	352.4	350.6



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	300.4	333.2	340.4	336.3	335.3	335.9	334.9	335.5	337.5	336.2	335.5
115°	279.9	309.8	318.2	315.3	313.8	314.7	313.9	314.4	318.0	318.3	319.4
117.5°	259.6	286.5	295.8	294.2	292.3	293.5	292.5	293.2	297.1	299.5	302.1
120°	239.5	263.4	273.4	272.8	270.8	272.2	271.2	272.1	275.7	279.7	283.6
122.5°	219.8	240.6	250.9	251.2	249.3	250.5	250.0	250.7	253.8	258.7	264.0
125°	200.3	218.1	228.2	229.4	228.1	228.8	228.6	228.9	231.3	236.6	242.6
127.5°	181.3	195.9	205.5	207.3	206.9	207.1	207.2	206.6	209.0	213.9	220.2
130°	162.7	174.1	182.5	184.7	185.3	185.5	185.6	184.8	186.6	190.5	196.2
132.5°	144.6	152.8	159.2	161.9	163.3	163.9	163.9	163.3	165.6	172.4	181.5
135°	127.3	132.9	138.3	142.7	146.3	149.4	151.8	154.2	156.9	163.3	171.4
137.5°	117.4	123.1	128.6	133.3	137.3	140.5	143.3	145.9	149.0	153.8	160.9
140°	107.4	113.2	118.7	123.6	127.9	131.4	134.5	137.2	140.3	143.8	150.5
142.5°	97.4	103.2	108.6	113.8	118.1	122.0	125.3	128.2	131.3	134.7	139.1
145°	87.2	93.0	98.4	103.5	108.0	112.6	115.6	118.8	121.6	124.8	128.8
147.5°	77.0	82.6	88.0	93.0	97.6	101.9	105.7	108.8	111.8	114.6	118.0
150°	66.7	72.1	77.5	82.3	87.2	91.2	95.3	98.5	101.5	104.3	107.1
152.5°	56.6	61.5	66.6	71.3	75.8	80.1	84.0	87.8	90.7	93.5	96.2
155°	46.4	50.7	55.6	60.2	64.5	68.6	72.4	76.1	79.5	82.2	85.9
157.5°	36.4	40.2	45.1	50.0	54.5	58.9	63.3	67.5	71.7	75.6	79.1
160°	32.4	35.4	39.8	44.2	48.4	52.5	56.5	60.4	64.2	67.9	71.5
162.5°	28.4	31.0	34.5	38.3	42.1	45.8	49.4	52.9	56.4	59.7	62.9
165°	24.4	26.7	29.0	32.4	35.6	38.9	42.0	45.1	48.2	51.1	54.4
167.5°	20.4	22.3	24.2	26.3	29.1	31.8	34.4	37.0	39.6	42.1	44.6
170°	16.4	17.9	19.4	20.9	22.4	24.6	26.8	28.8	30.9	32.8	34.8
172.5°	12.3	13.5	14.6	15.7	16.8	17.9	19.0	20.6	22.1	23.6	25.0
175°	8.2	9.0	9.8	10.5	11.3	12.0	12.7	13.3	14.0	14.6	15.2
177.5°	4.1	4.5	4.9	5.3	5.7	6.0	6.4	6.7	7.0	7.3	7.6
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: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	7.9	8.2	8.4	8.7	8.9	9.1	9.3	9.4	9.6	9.7	9.8
5°	16.1	17.0	17.8	18.6	19.4	20.1	20.7	21.4	21.9	22.4	22.9
7.5°	26.4	27.7	29.0	30.2	31.3	32.5	33.6	34.7	35.6	36.5	37.4
10°	36.7	38.5	40.3	42.1	43.7	45.3	46.8	48.2	49.4	50.6	51.6
12.5°	47.0	49.3	51.5	53.5	55.5	57.4	59.1	60.8	62.4	63.9	65.4
15°	56.8	59.4	61.9	64.4	66.7	69.0	71.2	73.2	75.3	77.2	79.1
17.5°	66.0	69.4	71.9	74.6	77.3	79.9	82.7	85.6	88.4	91.2	93.9
20°	74.7	77.9	81.0	84.2	87.6	91.0	94.3	97.6	100.5	103.2	105.7
22.5°	82.5	86.0	89.7	93.3	97.2	101.0	104.7	108.1	111.4	114.5	117.0
25°	89.6	93.4	97.7	102.0	106.5	110.9	115.8	120.2	124.0	127.3	130.3
27.5°	98.7	101.7	105.8	111.1	117.6	124.0	130.4	134.8	139.2	142.9	146.3
30°	110.5	114.5	119.2	125.9	132.6	139.3	145.8	151.4	156.9	161.5	165.6
32.5°	122.1	127.4	134.5	141.7	149.0	156.2	163.8	171.1	176.9	181.6	185.8
35°	134.0	141.3	148.9	156.9	165.0	173.6	182.0	189.4	196.3	202.7	208.8
37.5°	146.5	154.3	162.8	171.8	181.3	190.4	198.8	207.1	215.9	225.0	233.7
40°	158.1	167.1	176.6	186.9	196.9	206.4	216.4	226.5	237.0	248.0	259.5
42.5°	169.9	179.5	190.5	201.4	212.0	223.6	235.0	247.0	259.8	273.0	287.4
45°	180.9	192.3	204.0	215.6	228.3	241.2	253.9	267.1	282.1	298.6	317.5
47.5°	192.4	204.6	217.2	230.7	244.9	258.2	272.0	287.4	305.5	325.6	352.4
50°	204.4	216.8	230.7	246.2	260.2	274.1	289.5	308.1	330.0	359.3	391.4
52.5°	227.7	236.7	248.3	260.4	274.9	289.0	307.0	329.1	359.6	394.4	433.9
55°	249.7	258.4	270.3	279.7	290.8	303.7	324.0	354.3	389.9	431.3	481.7
57.5°	270.0	278.4	287.8	297.5	308.6	325.1	348.6	379.4	421.3	473.4	530.5
60°	288.7	296.1	304.2	314.0	327.2	345.8	374.9	412.9	459.5	514.6	578.8
62.5°	306.2	312.0	319.3	329.1	344.6	368.9	402.6	445.2	499.6	560.9	632.3
65°	321.8	326.5	333.7	344.5	361.5	389.1	429.0	479.3	538.6	607.0	689.4
67.5°	335.9	339.8	346.8	358.9	379.5	411.3	454.7	508.5	574.2	654.5	742.1
70°	349.2	352.1	358.8	371.8	395.0	431.5	479.1	538.3	610.5	695.4	789.4
72.5°	356.7	362.0	370.5	384.6	408.9	450.8	499.0	563.8	642.9	730.0	827.5
75°	362.3	369.6	380.7	398.1	426.6	468.0	519.4	586.2	668.7	756.0	860.0
77.5°	368.1	377.5	390.6	410.8	442.7	486.7	542.9	612.8	692.9	781.3	884.8
80°	374.0	385.4	400.3	422.6	456.8	503.3	562.5	633.8	713.0	806.7	913.4
82.5°	380.0	393.3	409.6	433.5	469.0	517.7	578.5	649.2	727.2	825.5	934.0
85°	386.0	401.1	418.5	443.6	479.4	529.8	591.0	659.6	735.8	837.6	946.4
87.5°	392.0	408.8	427.3	453.1	488.9	540.9	601.5	667.3	741.2	846.3	954.6
90°	397.3	415.6	434.8	460.8	495.4	547.4	606.1	667.6	737.9	841.8	947.6
92.5°	392.0	408.8	427.3	453.1	488.9	540.9	601.5	667.3	741.2	846.3	954.6
95°	386.0	401.1	418.5	443.6	479.4	529.8	591.0	659.6	735.8	837.6	946.4
97.5°	380.0	393.3	409.6	433.5	469.0	517.7	578.5	649.2	727.2	825.5	934.0
100°	374.0	385.4	400.3	422.6	456.8	503.3	562.5	633.8	713.0	806.7	913.4
102.5°	368.1	377.5	390.6	410.8	442.7	486.7	542.9	612.8	692.9	781.3	884.8
105°	362.3	369.6	380.7	398.1	426.6	468.0	519.4	586.2	668.7	756.0	860.0
107.5°	356.7	362.0	370.5	384.6	408.9	450.8	499.0	563.8	642.9	730.0	827.5
110°	349.2	352.1	358.8	371.8	395.0	431.5	479.1	538.3	610.5	695.4	789.4



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	335.9	339.8	346.8	358.9	379.5	411.3	454.7	508.5	574.2	654.5	742.1
115°	321.8	326.5	333.7	344.5	361.5	389.1	429.0	479.3	538.6	607.0	689.4
117.5°	306.2	312.0	319.3	329.1	344.6	368.9	402.6	445.2	499.6	560.9	632.3
120°	288.7	296.1	304.2	314.0	327.2	345.8	374.9	412.9	459.5	514.6	578.8
122.5°	270.0	278.4	287.8	297.5	308.6	325.1	348.6	379.4	421.3	473.4	530.5
125°	249.7	258.4	270.3	279.7	290.8	303.7	324.0	354.3	389.9	431.3	481.7
127.5°	227.7	236.7	248.3	260.4	274.9	289.0	307.0	329.1	359.6	394.4	433.9
130°	204.4	216.8	230.7	246.2	260.2	274.1	289.5	308.1	330.0	359.3	391.4
132.5°	192.4	204.6	217.2	230.7	244.9	258.2	272.0	287.4	305.5	325.6	352.4
135°	180.9	192.3	204.0	215.6	228.3	241.2	253.9	267.1	282.1	298.6	317.5
137.5°	169.9	179.5	190.5	201.4	212.0	223.6	235.0	247.0	259.8	273.0	287.4
140°	158.1	167.1	176.6	186.9	196.9	206.4	216.4	226.5	237.0	248.0	259.5
142.5°	146.5	154.3	162.8	171.8	181.3	190.4	198.8	207.1	215.9	225.0	233.7
145°	134.0	141.3	148.9	156.9	165.0	173.6	182.0	189.4	196.3	202.7	208.8
147.5°	122.1	127.4	134.5	141.7	149.0	156.2	163.8	171.1	176.9	181.6	185.8
150°	110.5	114.5	119.2	125.9	132.6	139.3	145.8	151.4	156.9	161.5	165.6
152.5°	98.7	101.7	105.8	111.1	117.6	124.0	130.4	134.8	139.2	142.9	146.3
155°	89.6	93.4	97.7	102.0	106.5	110.9	115.8	120.2	124.0	127.3	130.3
157.5°	82.5	86.0	89.7	93.3	97.2	101.0	104.7	108.1	111.4	114.5	117.0
160°	74.7	77.9	81.0	84.2	87.6	91.0	94.3	97.6	100.5	103.2	105.7
162.5°	66.0	69.4	71.9	74.6	77.3	79.9	82.7	85.6	88.4	91.2	93.9
165°	56.8	59.4	61.9	64.4	66.7	69.0	71.2	73.2	75.3	77.2	79.1
167.5°	47.0	49.3	51.5	53.5	55.5	57.4	59.1	60.8	62.4	63.9	65.4
170°	36.7	38.5	40.3	42.1	43.7	45.3	46.8	48.2	49.4	50.6	51.6
172.5°	26.4	27.7	29.0	30.2	31.3	32.5	33.6	34.7	35.6	36.5	37.4
175°	16.1	17.0	17.8	18.6	19.4	20.1	20.7	21.4	21.9	22.4	22.9
177.5°	7.9	8.2	8.4	8.7	8.9	9.1	9.3	9.4	9.6	9.7	9.8
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: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	9.9	10.0	10.1	10.1	10.1	10.1	10.4	10.3	10.2	10.0	9.9
5°	23.3	23.7	24.0	24.3	24.5	24.6	24.7	24.8	25.2	24.9	24.6
7.5°	38.1	38.8	39.4	39.9	40.3	40.6	40.8	41.0	41.1	41.5	41.1
10°	52.6	53.4	54.2	54.9	55.4	55.9	56.2	56.4	56.5	57.0	56.6
12.5°	66.7	67.9	69.1	70.1	71.0	71.7	72.4	72.9	73.2	73.4	73.8
15°	81.2	83.1	85.0	86.7	88.3	89.7	90.9	92.0	92.9	93.6	94.5
17.5°	96.3	98.2	99.9	101.4	102.7	103.9	104.8	105.6	106.2	106.6	107.2
20°	108.0	109.9	111.3	112.3	112.9	113.3	113.4	113.2	112.8	112.2	111.6
22.5°	119.0	120.5	121.8	122.8	123.4	123.6	123.4	122.9	122.1	121.0	119.9
25°	132.6	134.4	135.6	136.6	137.1	137.1	136.5	135.5	134.1	132.3	130.2
27.5°	149.1	151.2	152.5	153.7	154.7	155.3	155.3	154.9	154.0	152.5	150.6
30°	168.5	171.2	173.5	175.2	178.0	180.2	181.9	182.9	183.4	183.1	182.2
32.5°	189.9	194.7	199.0	202.9	207.6	212.8	217.3	221.1	224.1	226.3	227.4
35°	214.6	221.8	229.5	236.9	244.2	252.2	259.4	265.8	271.1	275.3	278.3
37.5°	242.7	252.3	263.4	274.1	284.4	295.9	306.9	316.9	325.8	333.2	339.1
40°	272.6	285.4	300.0	315.0	329.7	346.0	363.2	378.8	392.6	404.4	413.9
42.5°	304.0	321.0	340.0	363.4	385.9	407.7	430.8	452.1	471.2	487.8	501.6
45°	338.1	364.6	390.5	419.8	449.1	480.2	508.2	537.7	564.4	588.0	607.9
47.5°	381.4	413.8	446.8	481.8	521.0	559.1	598.0	635.9	670.2	700.5	726.2
50°	428.4	467.0	511.1	553.8	601.4	649.8	698.2	748.5	793.9	833.8	867.5
52.5°	479.9	528.5	581.4	634.7	694.3	756.6	817.4	876.9	927.0	967.9	999.8
55°	535.1	594.0	657.1	728.5	801.4	880.1	952.0	1009.0	1052.5	1084.1	1105.0
57.5°	592.6	664.7	742.5	829.1	921.7	1002.9	1083.1	1128.8	1156.6	1175.7	1186.8
60°	655.0	738.5	831.0	926.1	1021.5	1105.2	1174.0	1216.6	1229.5	1239.1	1245.3
62.5°	716.3	810.6	911.1	1013.8	1104.0	1181.2	1231.2	1266.0	1279.5	1289.3	1295.3
65°	778.3	874.6	982.5	1086.9	1174.8	1241.0	1282.8	1310.6	1322.7	1331.1	1338.1
67.5°	837.2	940.5	1050.8	1158.4	1244.9	1299.8	1331.0	1345.3	1355.5	1367.4	1375.7
70°	890.6	1001.9	1116.6	1228.9	1308.3	1344.6	1364.5	1378.0	1390.2	1397.4	1405.4
72.5°	936.4	1052.2	1171.0	1274.4	1343.3	1376.1	1391.1	1404.3	1414.3	1420.2	1429.3
75°	973.1	1091.7	1209.7	1309.0	1370.6	1397.0	1413.9	1425.9	1434.2	1443.4	1450.2
77.5°	999.1	1119.9	1244.5	1340.2	1393.0	1418.0	1431.9	1439.4	1452.4	1462.4	1470.6
80°	1026.0	1146.4	1270.8	1369.8	1418.1	1434.8	1440.6	1454.1	1466.4	1475.8	1487.2
82.5°	1048.7	1173.6	1296.6	1386.3	1428.7	1441.1	1449.4	1464.5	1476.0	1495.8	1501.5
85°	1062.3	1189.4	1313.0	1396.8	1430.7	1442.9	1455.7	1472.5	1481.8	1496.9	1508.8
87.5°	1071.1	1193.8	1318.7	1402.3	1431.8	1444.8	1458.0	1474.2	1480.1	1498.4	1509.3
90°	1062.1	1187.1	1313.2	1400.7	1430.5	1445.9	1457.5	1471.9	1480.6	1502.7	1503.6
92.5°	1071.1	1193.8	1318.7	1402.3	1431.8	1444.8	1458.0	1474.2	1480.1	1498.4	1509.3
95°	1062.3	1189.4	1313.0	1396.8	1430.7	1442.9	1455.7	1472.5	1481.8	1496.9	1508.8
97.5°	1048.7	1173.6	1296.6	1386.3	1428.7	1441.1	1449.4	1464.5	1476.0	1495.8	1501.5
100°	1026.0	1146.4	1270.8	1369.8	1418.1	1434.8	1440.6	1454.1	1466.4	1475.8	1487.2
102.5°	999.1	1119.9	1244.5	1340.2	1393.0	1418.0	1431.9	1439.4	1452.4	1462.4	1470.6
105°	973.1	1091.7	1209.7	1309.0	1370.6	1397.0	1413.9	1425.9	1434.2	1443.4	1450.2
107.5°	936.4	1052.2	1171.0	1274.4	1343.3	1376.1	1391.1	1404.3	1414.3	1420.2	1429.3
110°	890.6	1001.9	1116.6	1228.9	1308.3	1344.6	1364.5	1378.0	1390.2	1397.4	1405.4



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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°	837.2	940.5	1050.8	1158.4	1244.9	1299.8	1331.0	1345.3	1355.5	1367.4	1375.7
115°	778.3	874.6	982.5	1086.9	1174.8	1241.0	1282.8	1310.6	1322.7	1331.1	1338.1
117.5°	716.3	810.6	911.1	1013.8	1104.0	1181.2	1231.2	1266.0	1279.5	1289.3	1295.3
120°	655.0	738.5	831.0	926.1	1021.5	1105.2	1174.0	1216.6	1229.5	1239.1	1245.3
122.5°	592.6	664.7	742.5	829.1	921.7	1002.9	1083.1	1128.8	1156.6	1175.7	1186.8
125°	535.1	594.0	657.1	728.5	801.4	880.1	952.0	1009.0	1052.5	1084.1	1105.0
127.5°	479.9	528.5	581.4	634.7	694.3	756.6	817.4	876.9	927.0	967.9	999.8
130°	428.4	467.0	511.1	553.8	601.4	649.8	698.2	748.5	793.9	833.8	867.5
132.5°	381.4	413.8	446.8	481.8	521.0	559.1	598.0	635.9	670.2	700.4	726.2
135°	338.1	364.6	390.5	419.8	449.1	480.2	508.2	537.7	564.4	588.0	607.9
137.5°	304.0	321.0	340.0	363.4	385.9	407.7	430.8	452.1	471.2	487.8	501.6
140°	272.6	285.4	300.0	315.0	329.7	346.0	363.2	378.8	392.6	404.4	413.9
142.5°	242.7	252.3	263.4	274.1	284.4	295.9	306.9	316.9	325.8	333.2	339.1
145°	214.6	221.8	229.5	236.9	244.2	252.2	259.4	265.8	271.1	275.3	278.3
147.5°	189.9	194.7	199.0	202.9	207.6	212.8	217.3	221.1	224.1	226.3	227.4
150°	168.5	171.2	173.5	175.2	178.0	180.2	181.9	182.9	183.4	183.1	182.2
152.5°	149.1	151.2	152.5	153.7	154.7	155.3	155.3	154.9	154.0	152.5	150.6
155°	132.6	134.4	135.6	136.6	137.1	137.1	136.5	135.5	134.1	132.3	130.2
157.5°	119.0	120.5	121.8	122.8	123.4	123.6	123.4	122.9	122.1	121.0	119.9
160°	108.0	109.9	111.3	112.3	112.9	113.3	113.4	113.2	112.8	112.2	111.6
162.5°	96.3	98.2	99.9	101.4	102.7	103.9	104.8	105.6	106.2	106.6	107.2
165°	81.2	83.1	85.0	86.7	88.3	89.7	90.9	92.0	92.9	93.6	94.5
167.5°	66.7	67.9	69.1	70.1	71.0	71.7	72.4	72.9	73.2	73.4	73.8
170°	52.6	53.4	54.2	54.9	55.4	55.9	56.2	56.4	56.5	57.0	56.6
172.5°	38.1	38.8	39.4	39.9	40.3	40.6	40.8	41.0	41.1	41.5	41.1
175°	23.3	23.7	24.0	24.3	24.5	24.6	24.7	24.8	25.2	24.9	24.6
177.5°	9.9	10.0	10.1	10.1	10.1	10.1	10.4	10.3	10.2	10.0	9.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	9.7	9.6
5°	24.4	24.1
7.5°	40.8	40.4
10°	56.2	55.8
12.5°	73.5	73.1
15°	94.4	94.3
17.5°	107.0	106.8
20°	110.7	109.7
22.5°	118.2	116.4
25°	127.8	125.1
27.5°	148.4	145.3
30°	180.9	178.0
32.5°	228.0	226.1
35°	280.7	279.9
37.5°	344.3	345.4
40°	422.3	425.2
42.5°	514.1	519.5
45°	626.1	634.9
47.5°	749.8	761.9
50°	898.3	913.9
52.5°	1027.0	1039.0
55°	1119.9	1121.7
57.5°	1193.5	1189.1
60°	1249.7	1245.8
62.5°	1297.1	1294.9
65°	1342.7	1343.9
67.5°	1380.1	1380.5
70°	1412.2	1416.1
72.5°	1434.1	1435.3
75°	1453.6	1453.6
77.5°	1476.8	1479.6
80°	1493.1	1496.9
82.5°	1503.8	1505.6
85°	1515.4	1517.1
87.5°	1515.7	1521.9
90°	1512.3	1519.0
92.5°	1515.7	1521.9
95°	1515.4	1517.1
97.5°	1503.8	1505.6
100°	1493.1	1496.9
102.5°	1476.8	1479.6
105°	1453.6	1453.6
107.5°	1434.1	1435.3
110°	1412.2	1416.1



TEST NUMBER: P232048

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1380.1	1380.5
115°	1342.7	1343.9
117.5°	1297.1	1294.9
120°	1249.7	1245.8
122.5°	1193.5	1189.1
125°	1119.9	1121.7
127.5°	1027.0	1039.0
130°	898.3	913.9
132.5°	749.8	761.9
135°	626.1	634.9
137.5°	514.1	519.5
140°	422.3	425.2
142.5°	344.3	345.4
145°	280.7	279.9
147.5°	228.0	226.1
150°	180.9	178.0
152.5°	148.4	145.3
155°	127.8	125.1
157.5°	118.2	116.4
160°	110.7	109.7
162.5°	107.0	106.8
165°	94.4	94.3
167.5°	73.5	73.1
170°	56.2	55.8
172.5°	40.8	40.4
175°	24.4	24.1
177.5°	9.7	9.6
180°	0.0	0.0

(END OF REPORT)