

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: P232023

Luminaire Tested: **FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-23)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH P125 LENS
Light Source: (84) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

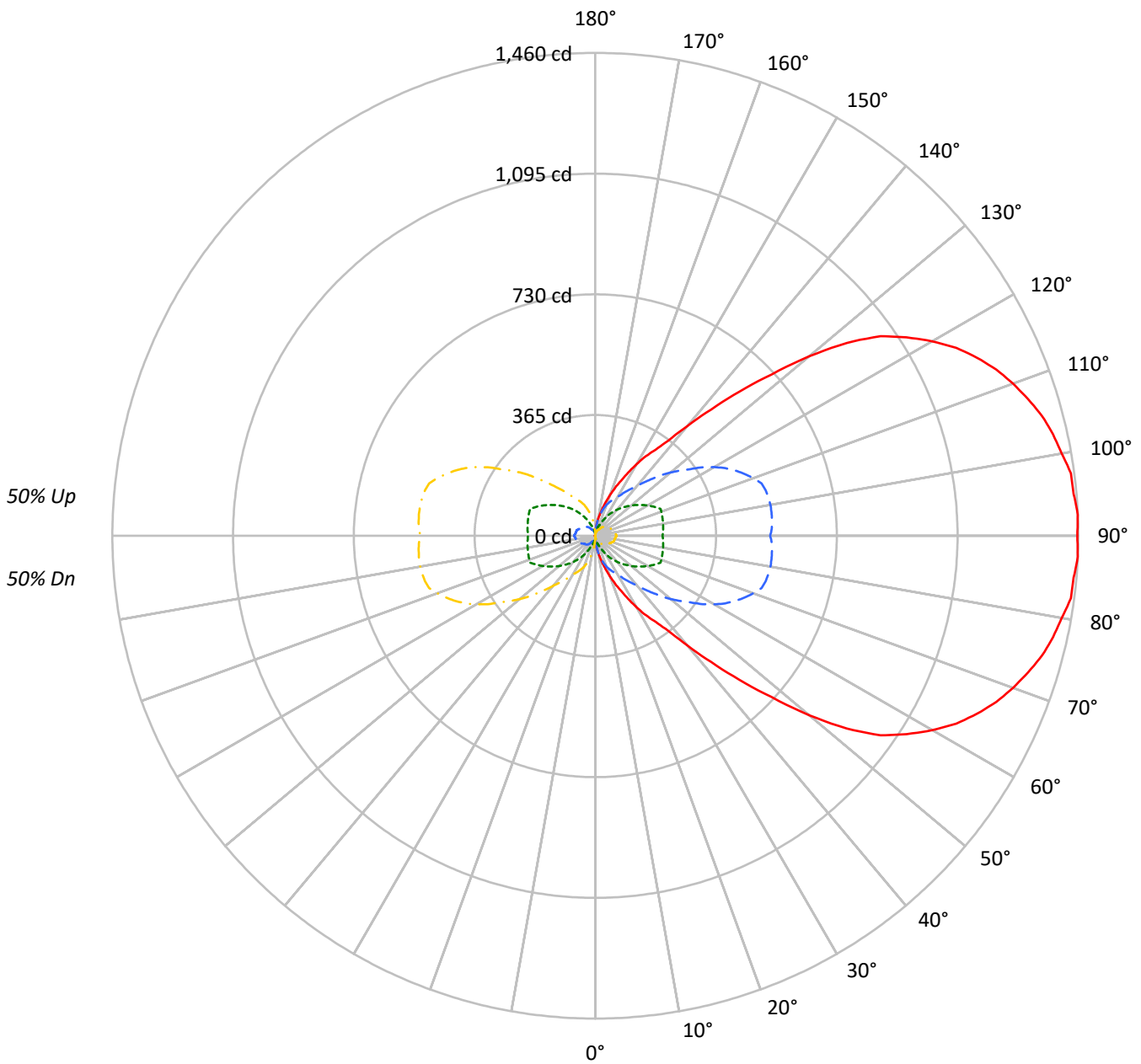
Lumens per Lamp: N/A
Luminaire Lumens: 3473.4 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 28.5
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	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	84	77	71	83	76	71	65	63	58	54	50	47	44	39	36	34	28																												
2	80	69	60	53	73	63	55	48	51	45	40	40	36	31	30	27	23	18																												
3	72	59	49	41	65	53	45	37	43	36	30	34	28	24	25	21	17	12																												
4	64	51	41	33	58	46	37	30	37	30	24	29	23	18	21	17	13	9																												
5	59	44	34	27	53	40	31	24	32	25	20	25	19	15	18	14	10	7																												
6	54	39	29	22	48	35	27	20	29	22	16	22	17	12	16	12	8	5																												
7	49	35	26	19	44	32	23	17	26	19	14	20	14	10	14	10	7	4																												
8	45	31	22	16	41	28	20	15	23	16	12	18	13	9	13	9	6	3																												
9	42	28	20	14	38	26	18	13	21	15	10	16	11	8	12	8	5	3																												
10	39	26	18	12	36	24	16	11	19	13	9	15	10	7	11	7	4	2																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	0	0	0	0
5°	467	157	0	157
10°	837	316	0	316
15°	1235	477	0	477
20°	1733	649	0	649
25°	2242	945	0	945
30°	2889	1387	0	1387
35°	3517	1875	0	1875
40°	4637	2426	0	2426
45°	6425	3067	0	3067
50°	8655	3864	0	3864
55°	10680	4839	0	4839
60°	11909	6073	0	6073
65°	12965	7695	0	7695
70°	13862	9434	9	9434
75°	14727	11408	9	11408
80°	15525	14651	0	14651
85°	16349	20871	0	20871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.0
10°-20°	12.1	0.3
20°-30°	33.8	1.0
30°-40°	73.3	2.1
40°-50°	142.5	4.1
50°-60°	247.4	7.1
60°-70°	349.6	10.1
70°-80°	420.5	12.1
80°-90°	455.8	13.1
90°-100°	455.8	13.1
100°-110°	420.5	12.1
110°-120°	349.6	10.1
120°-130°	247.4	7.1
130°-140°	142.5	4.1
140°-150°	73.3	2.1
150°-160°	33.8	1.0
160°-170°	12.1	0.3
170°-180°	1.7	0.0
0°-30°	47.6	1.4
0°-40°	120.9	3.5
0°-60°	510.8	14.7
0°-90°	1736.7	50.0
90°-120°	1225.9	35.3
90°-150°	1689.2	48.6
90°-180°	1737.0	50.0
0°-180°	3473.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	27	8	0	8	27	3
15°	88	24	0	24	88	27
25°	184	46	0	46	184	88
35°	317	84	0	84	317	207
45°	616	122	0	122	616	487
55°	1052	163	0	163	1052	930
65°	1273	203	0	203	1273	1261
75°	1398	210	1	210	1398	1475
85°	1452	206	0	206	1452	1184
90°	1457	203	0	203	1457	799
95°	1452	206	0	206	1452	1184
105°	1398	210	1	210	1398	1475
115°	1273	203	0	203	1273	1261
125°	1052	163	0	163	1052	930
135°	616	122	0	122	616	487
145°	317	84	0	84	317	207
155°	184	46	0	46	184	88
165°	88	24	0	24	88	27
175°	27	8	0	8	27	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°	12.7	12.9	13.0	13.2	13.4	13.5	13.7	13.3	13.3	13.2	13.2
5°	27.1	27.5	27.8	28.2	28.6	28.2	28.3	28.3	28.2	28.1	27.9
7.5°	41.6	42.2	42.7	43.3	43.2	43.4	43.5	43.5	43.4	43.2	43.0
10°	54.2	55.0	55.8	56.6	56.7	57.0	57.3	57.4	57.4	57.3	57.1
12.5°	67.8	68.8	69.8	70.1	70.7	71.0	71.3	71.4	71.4	71.3	71.0
15°	87.7	88.5	89.2	89.0	89.0	88.8	88.5	88.1	87.5	86.8	85.9
17.5°	109.4	109.7	110.1	109.2	108.6	107.9	106.9	105.8	104.5	103.1	101.6
20°	132.9	132.8	132.7	131.1	129.9	128.3	126.6	124.6	122.4	120.0	117.5
22.5°	157.3	156.8	156.3	153.9	152.0	149.8	147.3	144.4	141.3	138.0	134.5
25°	183.5	182.5	180.4	178.2	175.5	172.4	168.9	165.1	161.0	156.7	152.1
27.5°	215.1	213.5	210.5	207.2	203.3	198.8	193.9	188.4	182.6	176.3	170.3
30°	249.4	247.8	244.5	240.8	236.1	230.6	224.2	216.9	208.8	199.8	192.1
32.5°	285.6	284.5	281.3	277.6	272.7	266.7	259.5	251.0	241.4	231.1	220.4
35°	317.2	317.5	315.7	313.1	309.2	303.9	297.0	288.5	278.4	266.9	254.1
37.5°	361.5	363.0	361.3	358.7	354.3	348.0	339.8	329.5	317.7	305.7	291.7
40°	432.9	433.5	429.0	423.4	415.6	405.8	393.9	380.3	366.4	351.6	334.5
42.5°	517.9	516.9	509.4	500.5	489.0	475.0	458.8	440.6	422.9	404.1	383.9
45°	615.5	612.1	600.6	587.6	571.5	552.5	531.0	510.5	485.0	460.8	436.0
47.5°	722.1	717.9	703.8	687.3	666.2	640.7	611.1	580.4	551.4	521.3	493.2
50°	844.1	840.8	824.5	805.0	778.9	746.4	707.6	668.7	628.2	586.0	552.7
52.5°	958.0	957.9	944.0	926.1	900.3	866.4	824.5	776.6	719.9	664.6	617.6
55°	1052.0	1053.4	1042.8	1028.9	1008.6	981.9	946.4	890.3	818.4	750.3	686.5
57.5°	1116.2	1118.4	1111.6	1102.6	1089.0	1071.0	1042.4	982.6	918.0	834.4	756.9
60°	1175.8	1177.5	1170.5	1161.6	1148.9	1132.8	1101.9	1052.0	987.5	910.2	827.5
62.5°	1230.1	1229.0	1223.6	1214.2	1201.1	1184.9	1153.9	1109.7	1049.6	977.0	890.0
65°	1273.4	1271.6	1266.2	1257.5	1245.9	1230.2	1205.0	1171.2	1112.8	1038.3	949.8
67.5°	1312.3	1310.3	1304.3	1294.6	1281.7	1266.6	1247.8	1219.7	1179.6	1105.6	1011.3
70°	1343.9	1342.0	1336.4	1327.4	1315.2	1298.8	1280.5	1257.3	1225.4	1169.3	1069.1
72.5°	1372.0	1368.0	1361.2	1352.6	1342.6	1325.3	1307.1	1286.0	1255.4	1200.8	1117.5
75°	1398.2	1391.8	1382.3	1372.7	1362.2	1346.7	1327.7	1308.0	1283.7	1232.1	1149.3
77.5°	1417.1	1411.5	1401.7	1392.4	1381.2	1367.0	1347.1	1326.7	1302.5	1263.2	1182.8
80°	1431.6	1428.3	1419.6	1409.5	1397.3	1381.8	1363.9	1344.1	1319.2	1289.1	1210.3
82.5°	1449.7	1440.9	1431.3	1418.1	1407.6	1391.9	1374.9	1355.5	1330.9	1299.3	1233.1
85°	1451.5	1445.3	1440.5	1425.5	1413.6	1397.8	1380.2	1361.0	1335.7	1306.2	1250.4
87.5°	1459.6	1450.9	1441.2	1425.0	1416.2	1400.0	1380.8	1363.9	1336.6	1310.8	1260.1
90°	1456.9	1442.5	1437.9	1425.3	1413.5	1399.1	1378.3	1363.8	1334.0	1311.4	1259.9
92.5°	1459.6	1450.9	1441.2	1425.0	1416.2	1400.0	1380.8	1363.9	1336.6	1310.8	1260.1
95°	1451.5	1445.3	1440.5	1425.5	1413.6	1397.8	1380.2	1361.0	1335.7	1306.2	1250.4
97.5°	1449.7	1440.9	1431.3	1418.1	1407.6	1391.9	1374.9	1355.5	1330.9	1299.3	1233.1
100°	1431.6	1428.3	1419.6	1409.5	1397.3	1381.8	1363.9	1344.1	1319.2	1289.1	1210.3
102.5°	1417.1	1411.5	1401.7	1392.4	1381.2	1367.0	1347.1	1326.7	1302.5	1263.2	1182.8
105°	1398.2	1391.8	1382.3	1372.7	1362.2	1346.7	1327.7	1308.0	1283.7	1232.1	1149.3
107.5°	1372.0	1368.0	1361.2	1352.6	1342.6	1325.3	1307.1	1286.0	1255.4	1200.8	1117.5
110°	1343.9	1342.0	1336.4	1327.4	1315.2	1298.8	1280.5	1257.3	1225.4	1169.3	1069.1



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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°	1312.3	1310.3	1304.3	1294.6	1281.7	1266.6	1247.8	1219.7	1179.6	1105.6	1011.3
115°	1273.4	1271.6	1266.2	1257.5	1245.9	1230.2	1205.0	1171.2	1112.8	1038.3	949.8
117.5°	1230.1	1229.0	1223.6	1214.2	1201.1	1184.9	1153.9	1109.7	1049.6	977.0	890.0
120°	1175.8	1177.5	1170.5	1161.6	1148.9	1132.8	1101.9	1052.0	987.5	910.2	827.5
122.5°	1116.2	1118.4	1111.6	1102.6	1089.0	1071.0	1042.4	982.6	918.0	834.4	756.9
125°	1052.0	1053.4	1042.8	1028.9	1008.6	981.9	946.4	890.3	818.4	750.3	686.5
127.5°	958.0	957.9	944.0	926.1	900.3	866.4	824.5	776.6	719.9	664.6	617.6
130°	844.1	840.8	824.5	805.0	778.9	746.4	707.6	668.7	628.2	586.0	552.7
132.5°	722.1	717.9	703.8	687.3	666.2	640.7	611.1	580.4	551.4	521.3	493.2
135°	615.5	612.1	600.6	587.6	571.5	552.5	531.0	510.5	485.0	460.8	436.0
137.5°	517.9	516.9	509.4	500.5	489.0	475.0	458.8	440.6	422.9	404.1	383.9
140°	432.9	433.5	429.0	423.4	415.6	405.8	393.9	380.3	366.4	351.6	334.5
142.5°	361.5	363.0	361.3	358.7	354.3	348.0	339.8	329.5	317.7	305.7	291.7
145°	317.2	317.5	315.7	313.1	309.2	303.9	297.0	288.5	278.4	266.9	254.1
147.5°	285.6	284.5	281.3	277.6	272.7	266.7	259.5	251.0	241.4	231.1	220.4
150°	249.4	247.8	244.5	240.8	236.1	230.6	224.2	216.9	208.8	199.8	192.1
152.5°	215.1	213.5	210.5	207.2	203.3	198.8	193.9	188.4	182.6	176.3	170.3
155°	183.5	182.5	180.4	178.2	175.5	172.4	168.9	165.1	161.0	156.7	152.1
157.5°	157.3	156.8	156.3	153.9	152.0	149.8	147.3	144.4	141.3	138.0	134.5
160°	132.9	132.8	132.7	131.1	129.9	128.3	126.6	124.6	122.4	120.0	117.5
162.5°	109.4	109.7	110.1	109.2	108.6	107.9	106.9	105.8	104.5	103.1	101.6
165°	87.7	88.5	89.2	89.0	89.0	88.8	88.5	88.1	87.5	86.8	85.9
167.5°	67.8	68.8	69.8	70.1	70.7	71.0	71.3	71.4	71.4	71.3	71.0
170°	54.2	55.0	55.8	56.6	56.7	57.0	57.3	57.4	57.4	57.3	57.1
172.5°	41.6	42.2	42.7	43.3	43.2	43.4	43.5	43.5	43.4	43.2	43.0
175°	27.1	27.5	27.8	28.2	28.6	28.2	28.3	28.3	28.2	28.1	27.9
177.5°	12.7	12.9	13.0	13.2	13.4	13.5	13.7	13.3	13.3	13.2	13.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	13.1	13.0	12.8	12.7	12.5	12.3	12.0	11.8	11.5	11.2	10.9
5°	27.7	27.4	27.0	26.6	26.1	25.6	25.0	24.4	23.7	22.9	22.1
7.5°	42.6	42.2	41.7	41.1	40.4	39.6	38.8	37.8	36.8	35.7	34.5
10°	56.8	56.4	55.8	55.2	54.4	53.5	52.5	51.2	49.9	48.4	46.9
12.5°	70.6	70.1	69.5	68.7	67.8	66.7	65.5	64.1	62.6	61.0	59.2
15°	85.0	84.0	82.9	81.9	80.8	79.6	78.3	76.8	75.2	73.3	71.1
17.5°	100.0	98.4	96.8	95.3	93.7	92.2	90.6	88.9	87.0	85.0	82.9
20°	114.8	112.4	110.1	107.9	105.7	103.5	101.5	99.7	97.9	96.1	93.9
22.5°	130.9	127.4	123.9	120.4	116.7	113.9	111.4	109.0	106.8	104.9	103.2
25°	147.6	143.0	138.3	133.5	129.1	124.9	120.8	117.0	114.6	112.3	110.5
27.5°	164.7	159.0	153.1	147.3	141.8	136.2	131.3	126.3	122.0	118.3	116.3
30°	184.2	176.1	168.3	161.1	154.3	147.6	141.5	135.4	131.2	128.7	126.1
32.5°	208.9	196.5	186.1	176.6	167.0	159.0	153.8	149.2	145.1	140.9	137.9
35°	240.1	225.2	211.0	195.8	184.1	176.8	169.2	164.0	158.7	154.1	149.7
37.5°	275.7	259.0	241.2	226.8	212.0	198.1	188.2	179.6	172.7	166.9	161.8
40°	315.9	297.3	279.0	261.2	243.2	226.1	210.7	197.4	187.9	179.8	173.7
42.5°	363.2	341.4	319.0	298.3	278.5	256.8	236.3	219.7	204.5	194.2	185.7
45°	413.1	388.4	363.1	336.7	312.2	288.6	265.9	243.0	225.3	209.6	198.5
47.5°	465.1	436.4	408.2	378.8	349.2	321.0	295.4	270.7	246.4	227.8	212.8
50°	519.0	486.5	453.7	421.5	390.1	355.8	324.8	297.6	271.2	246.9	227.7
52.5°	573.6	536.5	499.8	464.0	428.2	393.4	356.2	324.0	296.9	267.6	248.2
55°	632.9	585.3	544.7	505.3	467.0	428.3	389.0	351.3	322.5	296.6	273.6
57.5°	691.4	634.5	587.1	544.7	503.7	463.3	423.1	384.8	349.9	323.3	298.9
60°	745.5	680.2	625.4	580.3	537.7	496.2	454.9	414.9	378.4	348.2	323.1
62.5°	801.2	718.5	659.5	610.6	567.0	525.6	483.5	442.6	404.7	370.8	345.1
65°	852.9	766.8	691.8	637.6	591.6	549.9	509.3	466.6	428.0	393.5	365.9
67.5°	910.2	815.9	732.3	663.4	611.3	569.4	530.8	488.7	449.1	414.2	384.8
70°	963.7	860.7	770.7	688.0	629.9	585.0	546.9	508.3	467.0	432.1	401.7
72.5°	1008.5	899.5	801.3	715.6	645.7	596.4	559.0	527.0	482.3	447.7	417.8
75°	1043.8	932.7	825.5	736.7	657.1	605.1	567.1	533.0	492.8	457.7	430.2
77.5°	1069.2	956.8	844.8	755.4	675.3	614.8	571.6	535.8	498.9	464.9	439.8
80°	1094.9	980.7	871.2	773.4	690.2	622.1	574.5	537.3	501.9	469.8	447.1
82.5°	1120.3	1001.1	889.8	786.2	700.4	627.0	575.7	537.4	502.3	472.6	452.6
85°	1134.3	1013.6	900.5	793.6	706.0	629.3	575.1	536.1	500.4	473.7	456.7
87.5°	1137.3	1022.0	907.0	798.2	709.0	630.2	573.7	534.0	497.1	473.9	459.9
90°	1129.7	1013.2	898.4	791.7	703.1	625.4	568.5	528.7	491.7	472.7	462.7
92.5°	1137.3	1022.0	907.0	798.2	709.0	630.2	573.7	534.0	497.1	473.9	459.9
95°	1134.3	1013.6	900.5	793.6	706.0	629.3	575.1	536.1	500.4	473.7	456.7
97.5°	1120.3	1001.1	889.8	786.2	700.4	627.0	575.7	537.4	502.3	472.6	452.6
100°	1094.9	980.7	871.2	773.4	690.2	622.1	574.5	537.3	501.9	469.8	447.1
102.5°	1069.2	956.8	844.8	755.4	675.3	614.8	571.6	535.8	498.9	464.9	439.8
105°	1043.8	932.7	825.5	736.7	657.1	605.1	567.1	533.0	492.8	457.7	430.2
107.5°	1008.5	899.5	801.3	715.6	645.7	596.4	559.0	527.0	482.3	447.7	417.8
110°	963.7	860.7	770.7	688.0	629.9	585.0	546.9	508.3	467.0	432.1	401.7



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	910.2	815.9	732.3	663.4	611.3	569.4	530.8	488.7	449.1	414.2	384.8
115°	852.9	766.8	691.8	637.6	591.6	549.9	509.3	466.6	428.0	393.5	365.9
117.5°	801.2	718.5	659.5	610.6	567.0	525.6	483.5	442.6	404.7	370.8	345.1
120°	745.5	680.2	625.4	580.3	537.7	496.2	454.9	414.9	378.4	348.2	323.1
122.5°	691.4	634.5	587.1	544.7	503.7	463.3	423.1	384.8	349.9	323.3	298.9
125°	632.9	585.3	544.7	505.3	467.0	428.3	389.0	351.3	322.5	296.6	273.6
127.5°	573.6	536.5	499.8	464.0	428.2	393.4	356.2	324.0	296.9	267.6	248.2
130°	519.0	486.5	453.7	421.5	390.1	355.8	324.8	297.6	271.2	246.9	227.7
132.5°	465.1	436.4	408.2	378.8	349.2	321.0	295.4	270.7	246.4	227.8	212.8
135°	413.1	388.4	363.1	336.7	312.2	288.6	265.9	243.0	225.3	209.6	198.5
137.5°	363.2	341.4	319.0	298.3	278.5	256.8	236.3	219.7	204.5	194.2	185.7
140°	315.9	297.3	279.0	261.2	243.2	226.1	210.7	197.4	187.9	179.8	173.7
142.5°	275.7	259.0	241.2	226.8	212.0	198.1	188.2	179.6	172.7	166.9	161.8
145°	240.1	225.2	211.0	195.8	184.1	176.8	169.2	164.0	158.7	154.1	149.7
147.5°	208.9	196.5	186.1	176.6	167.0	159.0	153.8	149.2	145.1	140.9	137.9
150°	184.2	176.1	168.3	161.1	154.3	147.6	141.5	135.4	131.2	128.7	126.1
152.5°	164.7	159.0	153.1	147.3	141.8	136.2	131.3	126.3	122.0	118.3	116.3
155°	147.6	143.0	138.3	133.5	129.1	124.9	120.8	117.0	114.6	112.3	110.5
157.5°	130.9	127.4	123.9	120.4	116.7	113.9	111.4	109.0	106.8	104.9	103.2
160°	114.8	112.4	110.1	107.9	105.7	103.5	101.5	99.7	97.9	96.1	93.9
162.5°	100.0	98.4	96.8	95.3	93.7	92.2	90.6	88.9	87.0	85.0	82.9
165°	85.0	84.0	82.9	81.9	80.8	79.6	78.3	76.8	75.2	73.3	71.1
167.5°	70.6	70.1	69.5	68.7	67.8	66.7	65.5	64.1	62.6	61.0	59.2
170°	56.8	56.4	55.8	55.2	54.4	53.5	52.5	51.2	49.9	48.4	46.9
172.5°	42.6	42.2	41.7	41.1	40.4	39.6	38.8	37.8	36.8	35.7	34.5
175°	27.7	27.4	27.0	26.6	26.1	25.6	25.0	24.4	23.7	22.9	22.1
177.5°	13.1	13.0	12.8	12.7	12.5	12.3	12.0	11.8	11.5	11.2	10.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.5	10.2	9.8	9.4	9.0	8.5	8.1	7.6	7.1	6.7	6.1
5°	21.3	20.4	19.5	18.7	17.8	17.0	16.1	15.2	14.2	13.3	12.3
7.5°	33.2	31.9	30.4	28.9	27.4	25.8	24.1	22.7	21.2	19.8	18.3
10°	45.2	43.5	41.8	39.6	37.5	35.3	33.1	30.7	28.3	26.3	24.3
12.5°	57.2	55.0	52.7	50.3	47.8	45.1	42.2	39.2	36.1	33.0	30.3
15°	68.8	66.4	64.1	60.8	57.8	54.7	51.4	47.8	44.1	40.3	36.3
17.5°	81.0	77.7	74.6	71.3	67.9	64.2	60.4	56.5	52.2	47.6	43.0
20°	91.3	88.6	85.6	81.9	77.9	73.8	69.4	64.9	60.3	55.1	49.7
22.5°	101.5	98.8	95.6	92.4	88.0	83.3	78.4	73.3	68.1	62.6	56.4
25°	108.7	107.3	105.3	101.7	98.2	93.7	88.6	83.4	78.1	72.6	66.5
27.5°	115.5	114.9	114.1	112.6	108.9	105.1	99.9	94.4	88.7	82.9	76.8
30°	124.9	123.9	122.8	121.5	119.4	115.3	110.8	105.0	99.4	92.9	86.8
32.5°	135.0	133.2	131.9	130.4	128.5	125.3	120.7	115.3	109.1	102.8	96.3
35°	146.1	143.1	141.1	139.4	137.3	134.8	130.3	125.6	118.8	112.3	105.7
37.5°	157.2	153.6	150.5	148.4	146.6	143.5	139.7	134.5	128.4	121.7	114.9
40°	168.5	163.8	160.4	157.4	155.2	152.3	148.7	143.5	137.6	130.8	123.9
42.5°	179.3	174.3	169.9	166.8	164.0	161.4	157.3	152.3	146.5	139.7	132.7
45°	190.4	184.0	179.5	175.9	172.8	170.0	166.0	161.0	155.0	148.4	141.4
47.5°	201.0	194.2	188.7	184.8	181.6	179.5	178.1	175.5	172.2	167.9	162.2
50°	214.2	204.6	200.7	199.0	197.9	197.3	197.1	196.2	194.5	191.5	185.9
52.5°	233.9	224.6	219.8	216.7	215.1	214.5	215.1	215.9	216.2	214.9	209.3
55°	257.1	246.1	238.7	234.3	232.2	231.6	232.5	234.6	237.2	237.6	232.6
57.5°	280.0	266.8	257.8	252.4	249.6	248.5	249.4	252.5	257.4	259.5	255.8
60°	301.3	287.3	277.5	270.8	266.8	265.1	265.7	269.8	276.7	281.0	278.9
62.5°	323.1	307.7	296.9	289.1	283.9	281.6	282.0	286.9	295.4	302.2	301.8
65°	343.6	326.8	315.7	307.2	301.0	298.3	298.6	303.7	313.6	322.9	324.7
67.5°	362.1	344.5	333.9	325.3	318.7	315.2	315.0	320.2	331.4	343.4	347.5
70°	379.0	362.0	351.8	343.0	334.9	329.6	327.8	331.6	341.8	352.7	353.1
72.5°	395.0	377.1	364.6	355.0	346.5	340.0	337.2	340.1	349.8	360.0	356.6
75°	408.9	391.0	376.7	366.6	357.9	350.6	346.6	348.7	358.0	368.0	360.5
77.5°	421.1	404.4	388.7	378.0	369.2	361.3	356.0	357.3	366.4	376.5	364.7
80°	432.0	417.4	400.4	389.1	380.3	371.9	365.4	366.1	375.0	385.5	369.0
82.5°	441.7	430.0	411.9	400.0	391.2	382.6	374.9	374.9	383.8	394.6	374.6
85°	450.4	442.0	423.2	410.6	402.0	393.5	384.3	383.7	392.5	404.4	378.4
87.5°	458.7	453.8	434.3	421.0	412.7	403.7	393.7	392.9	401.8	413.2	382.1
90°	466.4	464.5	444.7	431.1	423.0	413.9	403.1	402.2	411.2	422.1	385.9
92.5°	458.7	453.8	434.3	421.0	412.7	403.7	393.7	392.9	401.8	413.2	382.1
95°	450.4	442.0	423.2	410.6	402.0	393.5	384.3	383.7	392.5	404.4	378.4
97.5°	441.7	430.0	411.9	400.0	391.2	382.6	374.9	374.9	383.8	394.6	374.6
100°	432.0	417.4	400.4	389.1	380.3	371.9	365.4	366.1	375.0	385.5	369.0
102.5°	421.1	404.4	388.7	378.0	369.2	361.3	356.0	357.3	366.4	376.5	364.7
105°	408.9	391.0	376.7	366.6	357.9	350.6	346.6	348.7	358.0	368.0	360.5
107.5°	395.0	377.1	364.6	355.0	346.5	340.0	337.2	340.1	349.8	360.0	356.6
110°	379.0	362.0	351.8	343.0	334.9	329.6	327.8	331.6	341.8	352.7	353.1



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	362.1	344.5	333.9	325.3	318.7	315.2	315.0	320.2	331.4	343.4	347.5
115°	343.6	326.8	315.7	307.2	301.0	298.3	298.6	303.7	313.6	322.9	324.7
117.5°	323.1	307.7	296.9	289.1	283.9	281.6	282.0	286.9	295.4	302.2	301.8
120°	301.3	287.3	277.5	270.8	266.8	265.1	265.7	269.8	276.7	281.0	278.9
122.5°	280.0	266.8	257.8	252.4	249.6	248.5	249.4	252.5	257.4	259.5	255.8
125°	257.1	246.1	238.7	234.3	232.2	231.6	232.5	234.6	237.2	237.6	232.6
127.5°	233.9	224.6	219.8	216.7	215.1	214.5	215.1	215.9	216.2	214.9	209.3
130°	214.2	204.6	200.7	199.0	197.9	197.3	197.1	196.2	194.5	191.5	185.9
132.5°	201.0	194.2	188.7	184.8	181.6	179.5	178.1	175.5	172.2	167.9	162.2
135°	190.4	184.0	179.5	175.9	172.8	170.0	166.0	161.0	155.0	148.4	141.4
137.5°	179.3	174.3	169.9	166.8	164.0	161.4	157.3	152.3	146.5	139.7	132.7
140°	168.5	163.8	160.4	157.4	155.2	152.3	148.7	143.5	137.6	130.8	123.9
142.5°	157.2	153.6	150.5	148.4	146.6	143.5	139.7	134.5	128.4	121.7	114.9
145°	146.1	143.1	141.1	139.4	137.3	134.8	130.3	125.6	118.8	112.3	105.7
147.5°	135.0	133.2	131.9	130.4	128.5	125.3	120.7	115.3	109.1	102.8	96.3
150°	124.9	123.9	122.8	121.5	119.4	115.3	110.8	105.0	99.4	92.9	86.8
152.5°	115.5	114.9	114.1	112.6	108.9	105.1	99.9	94.4	88.7	82.9	76.8
155°	108.7	107.3	105.3	101.7	98.2	93.7	88.6	83.4	78.1	72.6	66.5
157.5°	101.5	98.8	95.6	92.4	88.0	83.3	78.4	73.3	68.1	62.6	56.4
160°	91.3	88.6	85.6	81.9	77.9	73.8	69.4	64.9	60.3	55.1	49.7
162.5°	81.0	77.7	74.6	71.3	67.9	64.2	60.4	56.5	52.2	47.6	43.0
165°	68.8	66.4	64.1	60.8	57.8	54.7	51.4	47.8	44.1	40.3	36.3
167.5°	57.2	55.0	52.7	50.3	47.8	45.1	42.2	39.2	36.1	33.0	30.3
170°	45.2	43.5	41.8	39.6	37.5	35.3	33.1	30.7	28.3	26.3	24.3
172.5°	33.2	31.9	30.4	28.9	27.4	25.8	24.1	22.7	21.2	19.8	18.3
175°	21.3	20.4	19.5	18.7	17.8	17.0	16.1	15.2	14.2	13.3	12.3
177.5°	10.5	10.2	9.8	9.4	9.0	8.5	8.1	7.6	7.1	6.7	6.1
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: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.6	5.1	4.6	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7
5°	11.2	10.2	9.1	8.0	8.0	7.9	7.8	7.6	7.5	7.4	7.2
7.5°	16.8	15.2	13.7	12.1	11.9	11.7	11.5	11.3	11.0	10.7	10.5
10°	22.3	20.3	18.2	16.1	15.8	15.5	15.1	14.7	14.3	14.0	13.6
12.5°	27.8	25.3	22.7	20.1	19.6	19.2	18.6	18.1	17.6	17.2	16.8
15°	33.3	30.3	27.2	24.1	23.5	22.8	22.0	21.4	20.8	20.3	19.8
17.5°	38.7	35.2	31.7	28.2	27.3	26.3	25.4	24.6	24.0	23.4	22.8
20°	44.1	40.1	36.2	32.2	31.0	29.8	28.7	27.9	27.2	26.4	25.8
22.5°	50.1	45.0	40.6	36.2	34.8	33.3	32.0	31.1	30.2	29.5	28.9
25°	60.1	54.5	50.2	45.7	44.5	43.0	41.9	40.8	39.5	38.1	36.5
27.5°	70.2	63.9	59.7	55.3	54.3	53.2	52.5	51.6	50.4	48.9	46.9
30°	80.0	73.2	69.1	64.8	64.2	63.4	63.2	62.8	61.4	59.7	56.6
32.5°	89.6	82.7	78.4	74.3	74.2	74.0	74.2	73.8	72.3	69.8	65.9
35°	98.9	92.1	87.6	83.9	84.3	84.6	85.3	84.9	83.3	79.4	74.6
37.5°	108.1	101.3	96.8	93.4	94.4	95.4	96.6	95.9	94.3	88.5	82.6
40°	117.0	110.4	105.9	102.9	104.5	106.3	108.1	107.0	103.8	97.3	90.1
42.5°	125.7	119.3	114.9	112.5	114.8	117.2	119.6	118.1	113.3	106.0	97.2
45°	134.3	128.1	123.8	122.0	125.1	128.3	130.8	129.2	122.4	113.5	103.8
47.5°	153.7	144.9	137.3	132.1	132.4	133.5	134.1	132.2	124.6	116.0	106.9
50°	174.7	162.5	151.1	142.3	139.4	138.0	136.3	132.8	124.3	115.4	106.4
52.5°	196.3	180.5	165.2	152.4	146.1	142.2	138.3	132.9	124.0	115.0	106.5
55°	218.3	198.9	179.5	162.6	152.7	146.0	140.1	133.0	123.8	114.9	107.1
57.5°	240.8	217.7	193.9	172.7	159.1	149.6	141.6	133.2	123.8	115.1	108.1
60°	263.7	236.7	208.6	182.9	165.3	152.9	143.0	133.4	124.0	115.9	109.9
62.5°	286.9	256.0	223.4	193.0	171.4	156.0	144.2	133.7	124.4	117.1	112.5
65°	310.3	275.5	238.3	203.2	177.4	158.8	145.3	134.1	125.0	118.6	115.7
67.5°	334.0	295.2	253.3	213.3	183.2	161.5	146.2	134.5	125.7	120.3	119.2
70°	336.7	295.7	252.6	212.2	181.8	160.1	144.9	133.5	125.0	120.3	120.4
72.5°	337.7	295.4	251.7	211.1	180.3	158.7	143.6	132.3	124.1	119.6	120.0
75°	338.5	294.9	252.2	210.0	178.9	157.3	142.3	131.3	123.2	118.9	119.4
77.5°	339.1	294.2	250.7	208.9	177.5	156.0	141.1	130.4	122.3	118.3	118.8
80°	339.6	294.8	249.2	207.8	176.2	154.8	140.0	129.7	121.6	117.7	118.1
82.5°	341.0	293.2	247.6	206.7	175.0	153.7	139.0	129.0	120.9	117.1	117.3
85°	340.3	291.5	246.1	205.6	173.8	152.7	138.1	128.4	120.3	116.6	116.5
87.5°	339.6	289.9	244.6	204.5	172.7	151.8	137.2	127.8	119.7	116.1	115.6
90°	338.9	288.3	243.1	203.4	171.7	150.9	136.5	127.4	119.3	115.7	114.8
92.5°	339.6	289.9	244.6	204.5	172.7	151.8	137.2	127.8	119.7	116.1	115.6
95°	340.3	291.5	246.1	205.6	173.8	152.7	138.1	128.4	120.3	116.6	116.5
97.5°	341.0	293.2	247.6	206.7	175.0	153.7	139.0	129.0	120.9	117.1	117.3
100°	339.6	294.8	249.2	207.8	176.2	154.8	140.0	129.7	121.6	117.7	118.1
102.5°	339.1	294.2	250.7	208.9	177.5	156.0	141.1	130.4	122.3	118.3	118.8
105°	338.5	294.9	252.2	210.0	178.9	157.3	142.3	131.3	123.2	118.9	119.4
107.5°	337.7	295.4	251.7	211.1	180.3	158.7	143.6	132.3	124.1	119.6	120.0
110°	336.7	295.7	252.6	212.2	181.8	160.1	144.9	133.5	125.0	120.3	120.4



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	334.0	295.2	253.3	213.3	183.2	161.5	146.2	134.5	125.7	120.3	119.2
115°	310.3	275.5	238.3	203.2	177.4	158.8	145.3	134.1	125.0	118.6	115.7
117.5°	286.9	256.0	223.4	193.0	171.4	156.0	144.2	133.7	124.4	117.1	112.5
120°	263.7	236.7	208.6	182.9	165.3	152.9	143.0	133.4	124.0	115.9	109.9
122.5°	240.8	217.7	193.9	172.7	159.1	149.6	141.6	133.2	123.8	115.1	108.1
125°	218.3	198.9	179.5	162.6	152.7	146.0	140.1	133.0	123.8	114.9	107.1
127.5°	196.3	180.5	165.2	152.4	146.1	142.2	138.3	132.9	124.0	115.0	106.5
130°	174.7	162.5	151.1	142.3	139.4	138.0	136.3	132.8	124.3	115.4	106.4
132.5°	153.7	144.9	137.3	132.1	132.4	133.5	134.1	132.2	124.6	116.0	106.9
135°	134.3	128.1	123.8	122.0	125.1	128.3	130.8	129.2	122.4	113.5	103.8
137.5°	125.7	119.3	114.9	112.5	114.8	117.2	119.6	118.1	113.3	106.0	97.2
140°	117.0	110.4	105.9	102.9	104.5	106.3	108.1	107.0	103.8	97.3	90.1
142.5°	108.1	101.3	96.8	93.4	94.4	95.4	96.6	95.9	94.3	88.5	82.6
145°	98.9	92.1	87.6	83.9	84.3	84.6	85.3	84.9	83.3	79.4	74.6
147.5°	89.6	82.7	78.4	74.3	74.2	74.0	74.2	73.8	72.3	69.8	65.9
150°	80.0	73.2	69.1	64.8	64.2	63.4	63.2	62.8	61.4	59.7	56.6
152.5°	70.2	63.9	59.7	55.3	54.3	53.2	52.5	51.6	50.4	48.9	46.9
155°	60.1	54.5	50.2	45.7	44.5	43.0	41.9	40.8	39.5	38.1	36.5
157.5°	50.1	45.0	40.6	36.2	34.8	33.3	32.0	31.1	30.2	29.5	28.9
160°	44.1	40.1	36.2	32.2	31.0	29.8	28.7	27.9	27.2	26.4	25.8
162.5°	38.7	35.2	31.7	28.2	27.3	26.3	25.4	24.6	24.0	23.4	22.8
165°	33.3	30.3	27.2	24.1	23.5	22.8	22.0	21.4	20.8	20.3	19.8
167.5°	27.8	25.3	22.7	20.1	19.6	19.2	18.6	18.1	17.6	17.2	16.8
170°	22.3	20.3	18.2	16.1	15.8	15.5	15.1	14.7	14.3	14.0	13.6
172.5°	16.8	15.2	13.7	12.1	11.9	11.7	11.5	11.3	11.0	10.7	10.5
175°	11.2	10.2	9.1	8.0	8.0	7.9	7.8	7.6	7.5	7.4	7.2
177.5°	5.6	5.1	4.6	4.0	4.0	4.0	3.9	3.9	3.8	3.8	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: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6
5°	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.2	5.0
7.5°	10.2	9.9	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.2
10°	13.3	13.0	12.6	12.2	11.9	11.5	11.1	10.7	10.3	9.9	9.5
12.5°	16.3	15.9	15.5	15.0	14.6	14.2	13.7	13.2	12.7	12.2	11.6
15°	19.3	18.8	18.3	17.8	17.3	16.8	16.2	15.6	15.0	14.4	13.6
17.5°	22.3	21.7	21.2	20.6	19.9	19.3	18.6	17.8	16.9	16.1	15.2
20°	25.2	24.6	23.9	23.2	22.5	21.6	20.6	19.6	18.7	17.7	16.7
22.5°	28.2	27.4	26.7	25.8	24.7	23.6	22.5	21.3	20.2	19.1	18.2
25°	34.6	32.5	30.3	28.0	26.7	25.4	24.2	22.9	21.9	20.9	19.8
27.5°	44.3	41.6	38.5	35.5	32.5	29.6	27.0	24.8	23.7	22.3	20.9
30°	53.4	49.7	45.9	42.3	38.7	35.5	32.6	29.9	26.9	24.1	22.1
32.5°	61.6	57.1	52.6	48.2	44.2	40.8	37.4	34.0	30.8	28.0	25.4
35°	69.2	63.8	58.5	53.5	49.4	45.3	41.3	37.6	34.3	31.4	29.0
37.5°	76.2	69.9	63.7	58.6	53.8	49.1	44.8	40.9	37.5	34.6	31.9
40°	82.7	75.4	68.9	63.2	57.7	52.5	47.9	43.9	40.5	37.2	34.1
42.5°	88.7	80.3	73.6	67.2	61.1	55.6	50.7	46.7	42.9	39.3	36.1
45°	94.1	85.4	77.8	70.8	64.3	58.3	53.5	49.0	44.9	41.2	37.7
47.5°	97.6	89.7	81.8	74.0	67.1	61.1	55.8	51.1	46.7	42.6	39.0
50°	97.8	91.0	84.4	77.5	70.4	63.7	58.0	52.9	48.1	43.9	40.0
52.5°	99.2	93.3	87.8	82.0	75.8	69.2	62.4	55.6	49.3	44.9	40.8
55°	101.2	96.7	92.3	87.7	81.7	74.8	67.6	60.2	53.5	47.3	41.6
57.5°	104.0	100.8	97.8	93.9	88.0	80.4	72.4	64.6	57.3	50.3	44.6
60°	107.3	105.8	104.2	100.4	94.1	85.9	77.0	68.6	60.5	53.3	47.1
62.5°	111.4	111.5	111.4	107.3	100.1	91.0	81.4	72.3	63.2	56.1	49.2
65°	116.2	117.9	119.2	114.5	106.1	96.0	85.7	75.6	66.2	58.6	51.1
67.5°	121.6	124.9	126.3	121.5	112.2	100.9	89.8	78.6	69.2	61.0	53.3
70°	124.1	129.2	131.7	127.5	117.8	105.7	93.7	81.4	72.1	63.2	55.6
72.5°	123.5	128.5	130.5	126.7	118.3	107.5	95.7	84.0	74.9	65.6	57.9
75°	122.6	127.7	129.7	126.5	118.8	108.2	96.2	84.7	74.9	66.2	58.9
77.5°	121.6	126.9	129.1	126.9	119.9	109.4	97.2	85.5	75.1	66.5	59.0
80°	120.4	125.9	128.8	127.8	121.4	110.8	98.5	86.3	75.6	66.9	59.4
82.5°	119.1	124.9	128.6	129.0	123.4	112.7	100.2	87.3	76.3	67.6	60.1
85°	117.7	123.7	128.5	130.5	125.7	114.9	102.2	88.6	77.3	68.6	61.1
87.5°	116.3	122.5	128.5	132.2	128.3	117.4	104.7	90.2	78.7	69.8	62.5
90°	114.8	121.1	128.3	133.8	131.0	120.2	107.6	92.2	80.4	71.4	64.2
92.5°	116.3	122.5	128.5	132.2	128.3	117.4	104.7	90.2	78.7	69.8	62.5
95°	117.7	123.7	128.5	130.5	125.7	114.9	102.2	88.6	77.3	68.6	61.1
97.5°	119.1	124.9	128.6	129.0	123.4	112.7	100.2	87.3	76.3	67.6	60.1
100°	120.4	125.9	128.8	127.8	121.4	110.8	98.5	86.3	75.6	66.9	59.4
102.5°	121.6	126.9	129.1	126.9	119.9	109.4	97.2	85.5	75.1	66.5	59.0
105°	122.6	127.7	129.7	126.5	118.8	108.2	96.2	84.7	74.9	66.2	58.9
107.5°	123.5	128.5	130.5	126.7	118.3	107.5	95.7	84.0	74.9	65.6	57.9
110°	124.1	129.2	131.7	127.5	117.8	105.7	93.7	81.4	72.1	63.2	55.6



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	121.6	124.9	126.3	121.5	112.2	100.9	89.8	78.6	69.2	61.0	53.3
115°	116.2	117.9	119.2	114.5	106.1	96.0	85.7	75.6	66.2	58.6	51.1
117.5°	111.4	111.5	111.4	107.3	100.1	91.0	81.4	72.3	63.2	56.1	49.2
120°	107.3	105.8	104.2	100.4	94.1	85.9	77.0	68.6	60.5	53.3	47.1
122.5°	104.0	100.8	97.8	93.9	88.0	80.4	72.4	64.6	57.3	50.3	44.6
125°	101.2	96.7	92.3	87.7	81.7	74.8	67.6	60.2	53.5	47.3	41.6
127.5°	99.2	93.3	87.8	82.0	75.8	69.2	62.4	55.6	49.3	44.9	40.8
130°	97.8	91.0	84.4	77.5	70.4	63.7	58.0	52.9	48.1	43.9	40.0
132.5°	97.6	89.7	81.8	74.0	67.1	61.1	55.8	51.1	46.7	42.6	39.0
135°	94.1	85.4	77.8	70.8	64.3	58.3	53.5	49.0	44.9	41.2	37.7
137.5°	88.7	80.3	73.6	67.2	61.1	55.6	50.7	46.7	42.9	39.3	36.1
140°	82.7	75.4	68.9	63.2	57.7	52.5	47.9	43.9	40.5	37.2	34.1
142.5°	76.2	69.9	63.7	58.6	53.8	49.1	44.8	40.9	37.5	34.6	31.9
145°	69.2	63.8	58.5	53.5	49.4	45.3	41.3	37.6	34.3	31.4	29.0
147.5°	61.6	57.1	52.6	48.2	44.2	40.8	37.4	34.0	30.8	28.0	25.4
150°	53.4	49.7	45.9	42.3	38.7	35.5	32.6	29.9	26.9	24.1	22.1
152.5°	44.3	41.6	38.5	35.5	32.5	29.6	27.0	24.8	23.7	22.3	20.9
155°	34.6	32.5	30.3	28.0	26.7	25.4	24.2	22.9	21.9	20.9	19.8
157.5°	28.2	27.4	26.7	25.8	24.7	23.6	22.5	21.3	20.2	19.1	18.2
160°	25.2	24.6	23.9	23.2	22.5	21.6	20.6	19.6	18.7	17.7	16.7
162.5°	22.3	21.7	21.2	20.6	19.9	19.3	18.6	17.8	16.9	16.1	15.2
165°	19.3	18.8	18.3	17.8	17.3	16.8	16.2	15.6	15.0	14.4	13.6
167.5°	16.3	15.9	15.5	15.0	14.6	14.2	13.7	13.2	12.7	12.2	11.6
170°	13.3	13.0	12.6	12.2	11.9	11.5	11.1	10.7	10.3	9.9	9.5
172.5°	10.2	9.9	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.2
175°	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.2	5.0
177.5°	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6
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: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.5	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2	1.1
5°	4.8	4.5	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.4	2.1
7.5°	6.9	6.5	6.2	5.8	5.4	5.0	4.7	4.3	3.8	3.4	3.0
10°	9.0	8.5	8.1	7.6	7.1	6.6	6.1	5.5	5.0	4.5	3.9
12.5°	11.1	10.5	9.9	9.3	8.6	8.0	7.3	6.7	6.0	5.3	4.7
15°	12.9	12.1	11.4	10.6	9.8	9.1	8.3	7.6	6.8	6.0	5.3
17.5°	14.4	13.5	12.6	11.8	10.9	10.1	9.3	8.4	7.6	6.8	5.9
20°	15.7	14.8	13.9	13.0	12.1	11.2	10.3	9.3	8.4	7.4	6.5
22.5°	17.2	16.3	15.3	14.2	13.1	12.0	10.9	9.9	8.9	8.0	7.0
25°	18.6	17.4	16.1	15.0	13.9	12.9	11.8	10.8	9.8	8.7	7.7
27.5°	19.5	18.4	17.2	16.1	15.1	14.1	13.0	12.0	10.8	9.6	8.4
30°	20.8	19.6	18.7	17.7	16.6	15.4	14.1	12.8	11.5	10.3	9.1
32.5°	23.2	21.5	20.4	19.0	17.6	16.3	15.2	13.9	12.7	11.3	9.9
35°	26.7	24.2	21.9	20.2	19.1	17.8	16.4	14.9	13.4	11.9	10.5
37.5°	29.1	26.6	24.4	22.5	20.4	18.8	17.3	15.9	14.5	13.0	11.4
40°	31.3	28.8	26.4	24.0	21.9	20.2	18.7	17.1	15.3	13.6	11.9
42.5°	33.2	30.4	27.7	25.5	23.6	21.6	19.6	17.8	16.0	14.2	12.4
45°	34.5	31.6	29.0	26.7	24.4	22.3	20.2	18.4	16.8	15.2	13.5
47.5°	35.6	32.6	29.9	27.3	24.8	22.5	20.8	19.4	17.9	15.6	13.3
50°	36.5	33.3	30.4	27.5	24.8	22.9	21.1	19.0	17.2	15.7	13.7
52.5°	37.1	33.8	30.3	27.3	25.0	22.7	20.3	18.5	17.0	15.4	13.5
55°	37.6	33.6	30.1	27.2	24.5	21.9	20.0	18.2	16.4	14.7	13.3
57.5°	39.0	33.4	29.8	26.6	23.7	21.5	19.6	17.7	15.9	14.3	12.7
60°	40.8	35.4	30.4	25.9	23.3	21.2	19.2	17.2	15.3	13.5	11.7
62.5°	42.8	37.2	31.9	27.5	23.7	21.1	18.6	16.6	14.7	12.8	11.0
65°	44.8	38.8	33.6	29.1	25.3	21.4	18.2	16.2	14.3	12.6	11.1
67.5°	46.7	40.4	35.3	30.6	26.2	22.2	19.1	16.2	14.4	12.7	10.2
70°	48.5	42.3	37.0	31.8	27.0	23.2	19.9	17.1	14.7	11.8	9.6
72.5°	50.3	44.3	38.3	32.8	28.0	24.1	20.7	17.6	14.4	11.5	9.1
75°	52.0	46.3	39.6	33.8	29.0	25.1	21.2	17.6	14.2	11.3	8.1
77.5°	52.4	46.4	40.2	34.7	30.1	26.0	21.5	17.7	14.2	10.2	7.1
80°	52.9	46.7	40.7	35.3	30.5	26.0	21.6	18.0	13.8	9.0	6.1
82.5°	53.8	47.4	41.6	36.0	31.0	25.9	21.5	17.6	12.9	8.3	4.8
85°	54.8	48.4	42.8	37.0	31.5	25.9	21.6	17.4	12.2	7.9	4.2
87.5°	56.2	49.8	44.3	38.2	32.3	26.3	21.9	17.6	12.2	7.8	4.1
90°	57.8	51.5	46.1	39.8	33.4	27.1	22.6	18.1	12.7	8.1	4.5
92.5°	56.2	49.8	44.3	38.2	32.3	26.3	21.9	17.6	12.2	7.8	4.1
95°	54.8	48.4	42.8	37.0	31.5	25.9	21.6	17.4	12.2	7.9	4.2
97.5°	53.8	47.4	41.6	36.0	31.0	25.9	21.5	17.6	12.9	8.3	4.8
100°	52.9	46.7	40.7	35.3	30.5	26.0	21.6	18.0	13.8	9.0	6.1
102.5°	52.4	46.4	40.2	34.7	30.1	26.0	21.5	17.7	14.2	10.2	7.1
105°	52.0	46.3	39.6	33.8	29.0	25.1	21.2	17.6	14.2	11.3	8.1
107.5°	50.3	44.3	38.3	32.8	28.0	24.1	20.7	17.6	14.4	11.5	9.1
110°	48.5	42.3	37.0	31.8	27.0	23.2	19.9	17.1	14.7	11.8	9.6



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	46.7	40.4	35.3	30.6	26.2	22.2	19.1	16.2	14.4	12.7	10.2
115°	44.8	38.8	33.6	29.1	25.3	21.4	18.2	16.2	14.3	12.6	11.1
117.5°	42.8	37.2	31.9	27.5	23.7	21.1	18.6	16.6	14.7	12.8	11.0
120°	40.8	35.4	30.4	25.9	23.3	21.2	19.2	17.2	15.3	13.5	11.7
122.5°	39.0	33.4	29.8	26.6	23.7	21.5	19.6	17.7	15.9	14.3	12.7
125°	37.6	33.6	30.1	27.2	24.5	21.9	20.0	18.2	16.4	14.7	13.3
127.5°	37.1	33.8	30.3	27.3	25.0	22.7	20.3	18.5	17.0	15.4	13.5
130°	36.5	33.3	30.4	27.5	24.8	22.9	21.1	19.0	17.2	15.7	13.7
132.5°	35.6	32.6	29.9	27.3	24.8	22.5	20.8	19.4	17.9	15.6	13.3
135°	34.5	31.6	29.0	26.7	24.4	22.3	20.2	18.4	16.8	15.2	13.5
137.5°	33.2	30.4	27.7	25.5	23.6	21.6	19.6	17.8	16.0	14.2	12.4
140°	31.3	28.8	26.4	24.0	21.9	20.2	18.7	17.1	15.3	13.6	11.9
142.5°	29.1	26.6	24.4	22.5	20.4	18.8	17.3	15.9	14.5	13.0	11.4
145°	26.7	24.2	21.9	20.2	19.1	17.8	16.4	14.9	13.4	11.9	10.5
147.5°	23.2	21.5	20.4	19.0	17.6	16.3	15.2	13.9	12.7	11.3	9.9
150°	20.8	19.6	18.7	17.7	16.6	15.4	14.1	12.8	11.5	10.3	9.1
152.5°	19.5	18.4	17.2	16.1	15.1	14.1	13.0	12.0	10.8	9.6	8.4
155°	18.6	17.4	16.1	15.0	13.9	12.9	11.8	10.8	9.8	8.7	7.7
157.5°	17.2	16.3	15.3	14.2	13.1	12.0	10.9	9.9	8.9	8.0	7.0
160°	15.7	14.8	13.9	13.0	12.1	11.2	10.3	9.3	8.4	7.4	6.5
162.5°	14.4	13.5	12.6	11.8	10.9	10.1	9.3	8.4	7.6	6.8	5.9
165°	12.9	12.1	11.4	10.6	9.8	9.1	8.3	7.6	6.8	6.0	5.3
167.5°	11.1	10.5	9.9	9.3	8.6	8.0	7.3	6.7	6.0	5.3	4.7
170°	9.0	8.5	8.1	7.6	7.1	6.6	6.1	5.5	5.0	4.5	3.9
172.5°	6.9	6.5	6.2	5.8	5.4	5.0	4.7	4.3	3.8	3.4	3.0
175°	4.8	4.5	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.4	2.1
177.5°	2.5	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2	1.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
7.5°	2.6	2.2	1.7	1.3	0.9	0.4	0.0	0.4	0.9	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°	4.0	3.3	2.7	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.7
15°	4.5	3.8	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
17.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
20°	5.5	4.6	3.7	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.7
22.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
25°	6.6	5.6	4.5	3.4	2.2	1.1	0.0	1.1	2.2	3.4	4.5
27.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
30°	7.9	6.6	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
32.5°	8.5	7.1	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
35°	9.1	7.6	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
37.5°	9.8	8.1	6.5	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.5
40°	10.2	8.5	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
42.5°	10.7	9.0	7.3	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.3
45°	11.4	9.4	7.4	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.4
47.5°	11.3	9.4	7.5	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.5
50°	11.6	9.5	7.5	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.5
52.5°	11.3	9.3	7.4	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.4
55°	11.5	9.3	7.3	5.3	3.5	1.7	0.0	1.7	3.5	5.3	7.3
57.5°	10.9	8.8	6.8	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.8
60°	10.0	8.1	6.4	4.8	3.1	1.6	0.0	1.6	3.1	4.8	6.4
62.5°	9.6	8.1	6.1	4.4	2.8	1.4	0.0	1.4	2.8	4.4	6.1
65°	9.0	7.1	5.3	3.6	2.3	1.1	0.0	1.1	2.3	3.6	5.3
67.5°	8.1	6.1	4.4	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.4
70°	7.5	5.5	3.9	2.5	1.6	1.2	0.9	1.2	1.6	2.5	3.9
72.5°	6.7	4.7	2.9	1.8	1.5	1.2	0.9	1.2	1.5	1.8	2.9
75°	6.0	4.0	2.5	1.6	1.1	0.9	0.9	0.9	1.1	1.6	2.5
77.5°	4.9	2.8	1.5	0.7	0.3	0.1	0.0	0.1	0.3	0.7	1.5
80°	3.3	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
82.5°	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.3	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
102.5°	4.9	2.8	1.5	0.7	0.3	0.1	0.0	0.1	0.3	0.7	1.5
105°	6.0	4.0	2.5	1.6	1.1	0.9	0.9	0.9	1.1	1.6	2.5
107.5°	6.7	4.7	2.9	1.8	1.5	1.2	0.9	1.2	1.5	1.8	2.9
110°	7.5	5.5	3.9	2.5	1.6	1.2	0.9	1.2	1.6	2.5	3.9



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	8.1	6.1	4.4	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.4
115°	9.0	7.1	5.3	3.6	2.3	1.1	0.0	1.1	2.3	3.6	5.3
117.5°	9.6	8.1	6.1	4.4	2.8	1.4	0.0	1.4	2.8	4.4	6.1
120°	10.0	8.1	6.4	4.8	3.1	1.6	0.0	1.6	3.1	4.8	6.4
122.5°	10.9	8.8	6.8	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.8
125°	11.5	9.3	7.3	5.3	3.5	1.7	0.0	1.7	3.5	5.3	7.3
127.5°	11.3	9.3	7.4	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.4
130°	11.6	9.5	7.5	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.5
132.5°	11.3	9.4	7.5	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.5
135°	11.4	9.4	7.4	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.4
137.5°	10.7	9.0	7.3	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.3
140°	10.2	8.5	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
142.5°	9.8	8.1	6.5	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.5
145°	9.1	7.6	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
147.5°	8.5	7.1	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
150°	7.9	6.6	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
152.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
155°	6.6	5.6	4.5	3.4	2.2	1.1	0.0	1.1	2.2	3.4	4.5
157.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
160°	5.5	4.6	3.7	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.7
162.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
165°	4.5	3.8	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
167.5°	4.0	3.3	2.7	2.0	1.3	0.7	0.0	0.7	1.3	2.0	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°	2.6	2.2	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
175°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
177.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.8	0.9	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3
5°	1.5	1.8	2.1	2.4	2.6	2.9	3.2	3.5	3.7	4.0	4.3
7.5°	2.2	2.6	3.0	3.4	3.8	4.3	4.7	5.0	5.4	5.8	6.2
10°	2.8	3.4	3.9	4.5	5.0	5.5	6.1	6.6	7.1	7.6	8.1
12.5°	3.3	4.0	4.7	5.3	6.0	6.7	7.3	8.0	8.6	9.3	9.9
15°	3.8	4.5	5.3	6.0	6.8	7.6	8.3	9.1	9.8	10.6	11.4
17.5°	4.3	5.1	5.9	6.8	7.6	8.4	9.3	10.1	10.9	11.8	12.6
20°	4.6	5.5	6.5	7.4	8.4	9.3	10.3	11.2	12.1	13.0	13.9
22.5°	5.0	6.0	7.0	8.0	8.9	9.9	10.9	12.0	13.1	14.2	15.3
25°	5.6	6.6	7.7	8.7	9.8	10.8	11.8	12.9	13.9	15.0	16.1
27.5°	6.0	7.2	8.4	9.6	10.8	12.0	13.0	14.1	15.1	16.1	17.2
30°	6.6	7.9	9.1	10.3	11.5	12.8	14.1	15.4	16.6	17.7	18.7
32.5°	7.1	8.5	9.9	11.3	12.7	13.9	15.2	16.3	17.6	19.0	20.4
35°	7.6	9.1	10.5	11.9	13.4	14.9	16.4	17.8	19.1	20.2	21.9
37.5°	8.1	9.8	11.4	13.0	14.5	15.9	17.3	18.8	20.4	22.5	24.4
40°	8.5	10.2	11.9	13.6	15.3	17.1	18.7	20.2	21.9	24.0	26.4
42.5°	9.0	10.7	12.4	14.2	16.0	17.8	19.6	21.6	23.6	25.5	27.7
45°	9.4	11.4	13.5	15.2	16.8	18.4	20.2	22.3	24.4	26.7	29.0
47.5°	9.4	11.3	13.3	15.6	17.9	19.4	20.8	22.5	24.8	27.3	29.9
50°	9.5	11.6	13.7	15.7	17.2	19.0	21.1	22.9	24.8	27.5	30.4
52.5°	9.3	11.3	13.5	15.4	17.0	18.5	20.3	22.7	25.0	27.3	30.3
55°	9.3	11.5	13.3	14.7	16.4	18.2	20.0	21.9	24.5	27.2	30.1
57.5°	8.8	10.9	12.7	14.3	15.9	17.7	19.6	21.5	23.7	26.6	29.8
60°	8.1	10.0	11.7	13.5	15.3	17.2	19.2	21.2	23.3	25.9	30.4
62.5°	8.1	9.6	11.0	12.8	14.7	16.6	18.6	21.1	23.7	27.5	31.9
65°	7.1	9.0	11.1	12.6	14.3	16.2	18.2	21.4	25.3	29.1	33.6
67.5°	6.1	8.1	10.2	12.7	14.4	16.2	19.1	22.2	26.2	30.6	35.3
70°	5.5	7.5	9.6	11.8	14.7	17.1	19.9	23.2	27.0	31.8	37.0
72.5°	4.7	6.7	9.1	11.5	14.4	17.6	20.7	24.1	28.0	32.8	38.3
75°	4.0	6.0	8.1	11.3	14.2	17.6	21.2	25.1	29.0	33.8	39.6
77.5°	2.8	4.9	7.1	10.2	14.2	17.7	21.5	26.0	30.1	34.7	40.2
80°	1.6	3.3	6.1	9.0	13.8	18.0	21.6	26.0	30.5	35.3	40.7
82.5°	0.7	2.1	4.8	8.3	12.9	17.6	21.5	25.9	31.0	36.0	41.6
85°	0.3	1.6	4.2	7.9	12.2	17.4	21.6	25.9	31.5	37.0	42.8
87.5°	0.1	1.1	4.1	7.8	12.2	17.6	21.9	26.3	32.3	38.2	44.3
90°	0.0	0.9	4.5	8.1	12.7	18.1	22.6	27.1	33.4	39.8	46.1
92.5°	0.1	1.1	4.1	7.8	12.2	17.6	21.9	26.3	32.3	38.2	44.3
95°	0.3	1.6	4.2	7.9	12.2	17.4	21.6	25.9	31.5	37.0	42.8
97.5°	0.7	2.1	4.8	8.3	12.9	17.6	21.5	25.9	31.0	36.0	41.6
100°	1.6	3.3	6.1	9.0	13.8	18.0	21.6	26.0	30.5	35.3	40.7
102.5°	2.8	4.9	7.1	10.2	14.2	17.7	21.5	26.0	30.1	34.7	40.2
105°	4.0	6.0	8.1	11.3	14.2	17.6	21.2	25.1	29.0	33.8	39.6
107.5°	4.7	6.7	9.1	11.5	14.4	17.6	20.7	24.1	28.0	32.8	38.3
110°	5.5	7.5	9.6	11.8	14.7	17.1	19.9	23.2	27.0	31.8	37.0



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	6.1	8.1	10.2	12.7	14.4	16.2	19.1	22.2	26.2	30.6	35.3
115°	7.1	9.0	11.1	12.6	14.3	16.2	18.2	21.4	25.3	29.1	33.6
117.5°	8.1	9.6	11.0	12.8	14.7	16.6	18.6	21.1	23.7	27.5	31.9
120°	8.1	10.0	11.7	13.5	15.3	17.2	19.2	21.2	23.3	25.9	30.4
122.5°	8.8	10.9	12.7	14.3	15.9	17.7	19.6	21.5	23.7	26.6	29.8
125°	9.3	11.5	13.3	14.7	16.4	18.2	20.0	21.9	24.5	27.2	30.1
127.5°	9.3	11.3	13.5	15.4	17.0	18.5	20.3	22.7	25.0	27.3	30.3
130°	9.5	11.6	13.7	15.7	17.2	19.0	21.1	22.9	24.8	27.5	30.4
132.5°	9.4	11.3	13.3	15.6	17.9	19.4	20.8	22.5	24.8	27.3	29.9
135°	9.4	11.4	13.5	15.2	16.8	18.4	20.2	22.3	24.4	26.7	29.0
137.5°	9.0	10.7	12.4	14.2	16.0	17.8	19.6	21.6	23.6	25.5	27.7
140°	8.5	10.2	11.9	13.6	15.3	17.1	18.7	20.2	21.9	24.0	26.4
142.5°	8.1	9.8	11.4	13.0	14.5	15.9	17.3	18.8	20.4	22.5	24.4
145°	7.6	9.1	10.5	11.9	13.4	14.9	16.4	17.8	19.1	20.2	21.9
147.5°	7.1	8.5	9.9	11.3	12.7	13.9	15.2	16.3	17.6	19.0	20.4
150°	6.6	7.9	9.1	10.3	11.5	12.8	14.1	15.4	16.6	17.7	18.7
152.5°	6.0	7.2	8.4	9.6	10.8	12.0	13.0	14.1	15.1	16.1	17.2
155°	5.6	6.6	7.7	8.7	9.8	10.8	11.8	12.9	13.9	15.0	16.1
157.5°	5.0	6.0	7.0	8.0	8.9	9.9	10.9	12.0	13.1	14.2	15.3
160°	4.6	5.5	6.5	7.4	8.4	9.3	10.3	11.2	12.1	13.0	13.9
162.5°	4.3	5.1	5.9	6.8	7.6	8.4	9.3	10.1	10.9	11.8	12.6
165°	3.8	4.5	5.3	6.0	6.8	7.6	8.3	9.1	9.8	10.6	11.4
167.5°	3.3	4.0	4.7	5.3	6.0	6.7	7.3	8.0	8.6	9.3	9.9
170°	2.8	3.4	3.9	4.5	5.0	5.5	6.1	6.6	7.1	7.6	8.1
172.5°	2.2	2.6	3.0	3.4	3.8	4.3	4.7	5.0	5.4	5.8	6.2
175°	1.5	1.8	2.1	2.4	2.6	2.9	3.2	3.5	3.7	4.0	4.3
177.5°	0.8	0.9	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	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: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
5°	4.5	4.8	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7
7.5°	6.5	6.9	7.2	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7
10°	8.5	9.0	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.2	12.6
12.5°	10.5	11.1	11.6	12.2	12.7	13.2	13.7	14.2	14.6	15.0	15.5
15°	12.1	12.9	13.6	14.4	15.0	15.6	16.2	16.8	17.3	17.8	18.3
17.5°	13.5	14.4	15.2	16.1	16.9	17.8	18.6	19.3	19.9	20.6	21.2
20°	14.8	15.7	16.7	17.7	18.7	19.6	20.6	21.6	22.5	23.2	23.9
22.5°	16.3	17.2	18.2	19.1	20.2	21.3	22.5	23.6	24.7	25.8	26.7
25°	17.4	18.6	19.8	20.9	21.9	22.9	24.2	25.4	26.7	28.0	30.3
27.5°	18.4	19.5	20.9	22.3	23.7	24.8	27.0	29.6	32.5	35.5	38.5
30°	19.6	20.8	22.1	24.1	26.9	29.9	32.6	35.5	38.7	42.3	45.9
32.5°	21.5	23.2	25.4	28.0	30.8	34.0	37.4	40.8	44.2	48.2	52.6
35°	24.2	26.7	29.0	31.4	34.3	37.6	41.3	45.3	49.4	53.5	58.5
37.5°	26.6	29.1	31.9	34.6	37.5	40.9	44.8	49.1	53.8	58.6	63.7
40°	28.8	31.3	34.1	37.2	40.5	43.9	47.9	52.5	57.7	63.2	68.9
42.5°	30.4	33.2	36.1	39.3	42.9	46.7	50.7	55.6	61.1	67.2	73.6
45°	31.6	34.5	37.7	41.2	44.9	49.0	53.5	58.3	64.3	70.8	77.8
47.5°	32.6	35.6	39.0	42.6	46.7	51.1	55.8	61.1	67.1	74.0	81.8
50°	33.3	36.5	40.0	43.9	48.1	52.9	58.0	63.7	70.4	77.5	84.4
52.5°	33.8	37.1	40.8	44.9	49.3	55.6	62.4	69.2	75.8	82.0	87.8
55°	33.6	37.6	41.6	47.3	53.5	60.2	67.6	74.8	81.7	87.7	92.3
57.5°	33.4	39.0	44.6	50.3	57.3	64.6	72.4	80.4	88.0	93.9	97.8
60°	35.4	40.8	47.1	53.3	60.5	68.6	77.0	85.9	94.1	100.4	104.2
62.5°	37.2	42.8	49.2	56.1	63.2	72.3	81.4	91.0	100.1	107.3	111.4
65°	38.8	44.8	51.1	58.6	66.2	75.6	85.7	96.0	106.1	114.5	119.2
67.5°	40.4	46.7	53.3	61.0	69.2	78.6	89.8	100.9	112.2	121.5	126.3
70°	42.3	48.5	55.6	63.2	72.1	81.4	93.7	105.7	117.8	127.5	131.7
72.5°	44.3	50.3	57.9	65.6	74.9	84.0	95.7	107.5	118.3	126.7	130.5
75°	46.3	52.0	58.9	66.2	74.9	84.7	96.2	108.2	118.8	126.5	129.7
77.5°	46.4	52.4	59.0	66.5	75.1	85.5	97.2	109.4	119.9	126.9	129.1
80°	46.7	52.9	59.4	66.9	75.6	86.3	98.5	110.8	121.4	127.8	128.8
82.5°	47.4	53.8	60.1	67.6	76.3	87.3	100.2	112.7	123.4	129.0	128.6
85°	48.4	54.8	61.1	68.6	77.3	88.6	102.2	114.9	125.7	130.5	128.5
87.5°	49.8	56.2	62.5	69.8	78.7	90.2	104.7	117.4	128.3	132.2	128.5
90°	51.5	57.8	64.2	71.4	80.4	92.2	107.6	120.2	131.0	133.8	128.3
92.5°	49.8	56.2	62.5	69.8	78.7	90.2	104.7	117.4	128.3	132.2	128.5
95°	48.4	54.8	61.1	68.6	77.3	88.6	102.2	114.9	125.7	130.5	128.5
97.5°	47.4	53.8	60.1	67.6	76.3	87.3	100.2	112.7	123.4	129.0	128.6
100°	46.7	52.9	59.4	66.9	75.6	86.3	98.5	110.8	121.4	127.8	128.8
102.5°	46.4	52.4	59.0	66.5	75.1	85.5	97.2	109.4	119.9	126.9	129.1
105°	46.3	52.0	58.9	66.2	74.9	84.7	96.2	108.2	118.8	126.5	129.7
107.5°	44.3	50.3	57.9	65.6	74.9	84.0	95.7	107.5	118.3	126.7	130.5
110°	42.3	48.5	55.6	63.2	72.1	81.4	93.7	105.7	117.8	127.5	131.7



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	40.4	46.7	53.3	61.0	69.2	78.6	89.8	100.9	112.2	121.5	126.3
115°	38.8	44.8	51.1	58.6	66.2	75.6	85.7	96.0	106.1	114.5	119.2
117.5°	37.2	42.8	49.2	56.1	63.2	72.3	81.4	91.0	100.1	107.3	111.4
120°	35.4	40.8	47.1	53.3	60.5	68.6	77.0	85.9	94.1	100.4	104.2
122.5°	33.4	39.0	44.6	50.3	57.3	64.6	72.4	80.4	88.0	93.9	97.8
125°	33.6	37.6	41.6	47.3	53.5	60.2	67.6	74.8	81.7	87.7	92.3
127.5°	33.8	37.1	40.8	44.9	49.3	55.6	62.4	69.2	75.8	82.0	87.8
130°	33.3	36.5	40.0	43.9	48.1	52.9	58.0	63.7	70.4	77.5	84.4
132.5°	32.6	35.6	39.0	42.6	46.7	51.1	55.8	61.1	67.1	74.0	81.8
135°	31.6	34.5	37.7	41.2	44.9	49.0	53.5	58.3	64.3	70.8	77.8
137.5°	30.4	33.2	36.1	39.3	42.9	46.7	50.7	55.6	61.1	67.2	73.6
140°	28.8	31.3	34.1	37.2	40.5	43.9	47.9	52.5	57.7	63.2	68.9
142.5°	26.6	29.1	31.9	34.6	37.5	40.9	44.8	49.1	53.8	58.6	63.7
145°	24.2	26.7	29.0	31.4	34.3	37.6	41.3	45.3	49.4	53.5	58.5
147.5°	21.5	23.2	25.4	28.0	30.8	34.0	37.4	40.8	44.2	48.2	52.6
150°	19.6	20.8	22.1	24.1	26.9	29.9	32.6	35.5	38.7	42.3	45.9
152.5°	18.4	19.5	20.9	22.3	23.7	24.8	27.0	29.6	32.5	35.5	38.5
155°	17.4	18.6	19.8	20.9	21.9	22.9	24.2	25.4	26.7	28.0	30.3
157.5°	16.3	17.2	18.2	19.1	20.2	21.3	22.5	23.6	24.7	25.8	26.7
160°	14.8	15.7	16.7	17.7	18.7	19.6	20.6	21.6	22.5	23.2	23.9
162.5°	13.5	14.4	15.2	16.1	16.9	17.8	18.6	19.3	19.9	20.6	21.2
165°	12.1	12.9	13.6	14.4	15.0	15.6	16.2	16.8	17.3	17.8	18.3
167.5°	10.5	11.1	11.6	12.2	12.7	13.2	13.7	14.2	14.6	15.0	15.5
170°	8.5	9.0	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.2	12.6
172.5°	6.5	6.9	7.2	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7
175°	4.5	4.8	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7
177.5°	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.6	3.6	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.6
5°	6.9	7.0	7.2	7.4	7.5	7.6	7.8	7.9	8.0	8.0	9.1
7.5°	9.9	10.2	10.5	10.7	11.0	11.3	11.5	11.7	11.9	12.1	13.7
10°	13.0	13.3	13.6	14.0	14.3	14.7	15.1	15.5	15.8	16.1	18.2
12.5°	15.9	16.3	16.8	17.2	17.6	18.1	18.6	19.2	19.6	20.1	22.7
15°	18.8	19.3	19.8	20.3	20.8	21.4	22.0	22.8	23.5	24.1	27.2
17.5°	21.7	22.3	22.8	23.4	24.0	24.6	25.4	26.3	27.3	28.2	31.7
20°	24.6	25.2	25.8	26.4	27.2	27.9	28.7	29.8	31.0	32.2	36.2
22.5°	27.4	28.2	28.9	29.5	30.2	31.1	32.0	33.3	34.8	36.2	40.6
25°	32.5	34.6	36.5	38.1	39.5	40.8	41.9	43.0	44.5	45.7	50.2
27.5°	41.6	44.3	46.9	48.9	50.4	51.6	52.5	53.2	54.3	55.3	59.7
30°	49.7	53.4	56.6	59.7	61.4	62.8	63.2	63.4	64.2	64.8	69.1
32.5°	57.1	61.6	65.9	69.8	72.3	73.8	74.2	74.0	74.2	74.3	78.4
35°	63.8	69.2	74.6	79.4	83.3	84.9	85.3	84.6	84.3	83.9	87.6
37.5°	69.9	76.2	82.6	88.5	94.3	95.9	96.6	95.4	94.4	93.4	96.8
40°	75.4	82.7	90.1	97.3	103.8	107.0	108.1	106.3	104.5	102.9	105.9
42.5°	80.3	88.7	97.2	106.0	113.3	118.1	119.6	117.2	114.8	112.5	114.9
45°	85.4	94.1	103.8	113.5	122.4	129.2	130.8	128.3	125.1	122.0	123.8
47.5°	89.7	97.6	106.9	116.0	124.6	132.2	134.1	133.5	132.4	132.1	137.3
50°	91.0	97.8	106.4	115.4	124.3	132.8	136.3	138.0	139.4	142.3	151.1
52.5°	93.3	99.2	106.5	115.0	124.0	132.9	138.3	142.2	146.1	152.4	165.2
55°	96.7	101.2	107.1	114.9	123.8	133.0	140.1	146.0	152.7	162.6	179.5
57.5°	100.8	104.0	108.1	115.1	123.8	133.2	141.6	149.6	159.1	172.7	193.9
60°	105.8	107.3	109.9	115.9	124.0	133.4	143.0	152.9	165.3	182.9	208.6
62.5°	111.5	111.4	112.5	117.1	124.4	133.7	144.2	156.0	171.4	193.0	223.4
65°	117.9	116.2	115.7	118.6	125.0	134.1	145.3	158.8	177.4	203.2	238.3
67.5°	124.9	121.6	119.2	120.3	125.7	134.5	146.2	161.5	183.2	213.3	253.3
70°	129.2	124.1	120.4	120.3	125.0	133.5	144.9	160.1	181.8	212.2	252.6
72.5°	128.5	123.5	120.0	119.6	124.1	132.3	143.6	158.7	180.3	211.1	251.7
75°	127.7	122.6	119.4	118.9	123.2	131.3	142.3	157.3	178.9	210.0	252.2
77.5°	126.9	121.6	118.8	118.3	122.3	130.4	141.1	156.0	177.5	208.9	250.7
80°	125.9	120.4	118.1	117.7	121.6	129.7	140.0	154.8	176.2	207.8	249.2
82.5°	124.9	119.1	117.3	117.1	120.9	129.0	139.0	153.7	175.0	206.7	247.6
85°	123.7	117.7	116.5	116.6	120.3	128.4	138.1	152.7	173.8	205.6	246.1
87.5°	122.5	116.3	115.6	116.1	119.7	127.8	137.2	151.8	172.7	204.5	244.6
90°	121.1	114.8	114.8	115.7	119.3	127.4	136.5	150.9	171.7	203.4	243.1
92.5°	122.5	116.3	115.6	116.1	119.7	127.8	137.2	151.8	172.7	204.5	244.6
95°	123.7	117.7	116.5	116.6	120.3	128.4	138.1	152.7	173.8	205.6	246.1
97.5°	124.9	119.1	117.3	117.1	120.9	129.0	139.0	153.7	175.0	206.7	247.6
100°	125.9	120.4	118.1	117.7	121.6	129.7	140.0	154.8	176.2	207.8	249.2
102.5°	126.9	121.6	118.8	118.3	122.3	130.4	141.1	156.0	177.5	208.9	250.7
105°	127.7	122.6	119.4	118.9	123.2	131.3	142.3	157.3	178.9	210.0	252.2
107.5°	128.5	123.5	120.0	119.6	124.1	132.3	143.6	158.7	180.3	211.1	251.7
110°	129.2	124.1	120.4	120.3	125.0	133.5	144.9	160.1	181.8	212.2	252.6



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	124.9	121.6	119.2	120.3	125.7	134.5	146.2	161.5	183.2	213.3	253.3
115°	117.9	116.2	115.7	118.6	125.0	134.1	145.3	158.8	177.4	203.2	238.3
117.5°	111.5	111.4	112.5	117.1	124.4	133.7	144.2	156.0	171.4	193.0	223.4
120°	105.8	107.3	109.9	115.9	124.0	133.4	143.0	152.9	165.3	182.9	208.6
122.5°	100.8	104.0	108.1	115.1	123.8	133.2	141.6	149.6	159.1	172.7	193.9
125°	96.7	101.2	107.1	114.9	123.8	133.0	140.1	146.0	152.7	162.6	179.5
127.5°	93.3	99.2	106.5	115.0	124.0	132.9	138.3	142.2	146.1	152.4	165.2
130°	91.0	97.8	106.4	115.4	124.3	132.8	136.3	138.0	139.4	142.3	151.1
132.5°	89.7	97.6	106.9	116.0	124.6	132.2	134.1	133.5	132.4	132.1	137.3
135°	85.4	94.1	103.8	113.5	122.4	129.2	130.8	128.3	125.1	122.0	123.8
137.5°	80.3	88.7	97.2	106.0	113.3	118.1	119.6	117.2	114.8	112.5	114.9
140°	75.4	82.7	90.1	97.3	103.8	107.0	108.1	106.3	104.5	102.9	105.9
142.5°	69.9	76.2	82.6	88.5	94.3	95.9	96.6	95.4	94.4	93.4	96.8
145°	63.8	69.2	74.6	79.4	83.3	84.9	85.3	84.6	84.3	83.9	87.6
147.5°	57.1	61.6	65.9	69.8	72.3	73.8	74.2	74.0	74.2	74.3	78.4
150°	49.7	53.4	56.6	59.7	61.4	62.8	63.2	63.4	64.2	64.8	69.1
152.5°	41.6	44.3	46.9	48.9	50.4	51.6	52.5	53.2	54.3	55.3	59.7
155°	32.5	34.6	36.5	38.1	39.5	40.8	41.9	43.0	44.5	45.7	50.2
157.5°	27.4	28.2	28.9	29.5	30.2	31.1	32.0	33.3	34.8	36.2	40.6
160°	24.6	25.2	25.8	26.4	27.2	27.9	28.7	29.8	31.0	32.2	36.2
162.5°	21.7	22.3	22.8	23.4	24.0	24.6	25.4	26.3	27.3	28.2	31.7
165°	18.8	19.3	19.8	20.3	20.8	21.4	22.0	22.8	23.5	24.1	27.2
167.5°	15.9	16.3	16.8	17.2	17.6	18.1	18.6	19.2	19.6	20.1	22.7
170°	13.0	13.3	13.6	14.0	14.3	14.7	15.1	15.5	15.8	16.1	18.2
172.5°	9.9	10.2	10.5	10.7	11.0	11.3	11.5	11.7	11.9	12.1	13.7
175°	6.9	7.0	7.2	7.4	7.5	7.6	7.8	7.9	8.0	8.0	9.1
177.5°	3.6	3.6	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.6
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: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.1	5.6	6.1	6.7	7.1	7.6	8.1	8.5	9.0	9.4	9.8
5°	10.2	11.2	12.3	13.3	14.2	15.2	16.1	17.0	17.8	18.7	19.5
7.5°	15.2	16.8	18.3	19.8	21.2	22.7	24.1	25.8	27.4	28.9	30.4
10°	20.3	22.3	24.3	26.3	28.3	30.7	33.1	35.3	37.5	39.6	41.8
12.5°	25.3	27.8	30.3	33.0	36.1	39.2	42.2	45.1	47.8	50.3	52.7
15°	30.3	33.3	36.3	40.3	44.1	47.8	51.4	54.7	57.8	60.8	64.1
17.5°	35.2	38.7	43.0	47.6	52.2	56.5	60.4	64.2	67.9	71.3	74.6
20°	40.1	44.1	49.7	55.1	60.3	64.9	69.4	73.8	77.9	81.9	85.6
22.5°	45.0	50.1	56.4	62.6	68.1	73.3	78.4	83.3	88.0	92.4	95.6
25°	54.5	60.1	66.5	72.6	78.1	83.4	88.6	93.7	98.2	101.7	105.3
27.5°	63.9	70.2	76.8	82.9	88.7	94.4	99.9	105.1	108.9	112.6	114.1
30°	73.2	80.0	86.8	92.9	99.4	105.0	110.8	115.3	119.4	121.5	122.8
32.5°	82.7	89.6	96.3	102.8	109.1	115.3	120.7	125.3	128.5	130.4	131.9
35°	92.1	98.9	105.7	112.3	118.8	125.6	130.3	134.8	137.3	139.4	141.1
37.5°	101.3	108.1	114.9	121.7	128.4	134.5	139.7	143.5	146.6	148.4	150.5
40°	110.4	117.0	123.9	130.8	137.6	143.5	148.7	152.3	155.2	157.4	160.4
42.5°	119.3	125.7	132.7	139.7	146.5	152.3	157.3	161.4	164.0	166.8	169.9
45°	128.1	134.3	141.4	148.4	155.0	161.0	166.0	170.0	172.8	175.9	179.5
47.5°	144.9	153.7	162.2	167.9	172.2	175.5	178.1	179.5	181.6	184.8	188.7
50°	162.5	174.7	185.9	191.5	194.5	196.2	197.1	197.3	197.9	199.0	200.7
52.5°	180.5	196.3	209.3	214.9	216.2	215.9	215.1	214.5	215.1	216.7	219.8
55°	198.9	218.3	232.6	237.6	237.2	234.6	232.5	231.6	232.2	234.3	238.7
57.5°	217.7	240.8	255.8	259.5	257.4	252.5	249.4	248.5	249.6	252.4	257.8
60°	236.7	263.7	278.9	281.0	276.7	269.8	265.7	265.1	266.8	270.8	277.5
62.5°	256.0	286.9	301.8	302.2	295.4	286.9	282.0	281.6	283.9	289.1	296.9
65°	275.5	310.3	324.7	322.9	313.6	303.7	298.6	298.3	301.0	307.2	315.7
67.5°	295.2	334.0	347.5	343.4	331.4	320.2	315.0	315.2	318.7	325.3	333.9
70°	295.7	336.7	353.1	352.7	341.8	331.6	327.8	329.6	334.9	343.0	351.8
72.5°	295.4	337.7	356.6	360.0	349.8	340.1	337.2	340.0	346.5	355.0	364.6
75°	294.9	338.5	360.5	368.0	358.0	348.7	346.6	350.6	357.9	366.6	376.7
77.5°	294.2	339.1	364.7	376.5	366.4	357.3	356.0	361.3	369.2	378.0	388.7
80°	294.8	339.6	369.0	385.5	375.0	366.1	365.4	371.9	380.3	389.1	400.4
82.5°	293.2	341.0	374.6	394.6	383.8	374.9	374.9	382.6	391.2	400.0	411.9
85°	291.5	340.3	378.4	404.4	392.5	383.7	384.3	393.5	402.0	410.6	423.2
87.5°	289.9	339.6	382.1	413.2	401.8	392.9	393.7	403.7	412.7	421.0	434.3
90°	288.3	338.9	385.9	422.1	411.2	402.2	403.1	413.9	423.0	431.1	444.7
92.5°	289.9	339.6	382.1	413.2	401.8	392.9	393.7	403.7	412.7	421.0	434.3
95°	291.5	340.3	378.4	404.4	392.5	383.7	384.3	393.5	402.0	410.6	423.2
97.5°	293.2	341.0	374.6	394.6	383.8	374.9	374.9	382.6	391.2	400.0	411.9
100°	294.8	339.6	369.0	385.5	375.0	366.1	365.4	371.9	380.3	389.1	400.4
102.5°	294.2	339.1	364.7	376.5	366.4	357.3	356.0	361.3	369.2	378.0	388.7
105°	294.9	338.5	360.5	368.0	358.0	348.7	346.6	350.6	357.9	366.6	376.7
107.5°	295.4	337.7	356.6	360.0	349.8	340.1	337.2	340.0	346.5	355.0	364.6
110°	295.7	336.7	353.1	352.7	341.8	331.6	327.8	329.6	334.9	343.0	351.8



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	295.2	334.0	347.5	343.4	331.4	320.2	315.0	315.2	318.7	325.3	333.9
115°	275.5	310.3	324.7	322.9	313.6	303.7	298.6	298.3	301.0	307.2	315.7
117.5°	256.0	286.9	301.8	302.2	295.4	286.9	282.0	281.6	283.9	289.1	296.9
120°	236.7	263.7	278.9	281.0	276.7	269.8	265.7	265.1	266.8	270.8	277.5
122.5°	217.7	240.8	255.8	259.5	257.4	252.5	249.4	248.5	249.6	252.4	257.8
125°	198.9	218.3	232.6	237.6	237.2	234.6	232.5	231.6	232.2	234.3	238.7
127.5°	180.5	196.3	209.3	214.9	216.2	215.9	215.1	214.5	215.1	216.7	219.8
130°	162.5	174.7	185.9	191.5	194.5	196.2	197.1	197.3	197.9	199.0	200.7
132.5°	144.9	153.7	162.2	167.9	172.2	175.5	178.1	179.5	181.6	184.8	188.7
135°	128.1	134.3	141.4	148.4	155.0	161.0	166.0	170.0	172.8	175.9	179.5
137.5°	119.3	125.7	132.7	139.7	146.5	152.3	157.3	161.4	164.0	166.8	169.9
140°	110.4	117.0	123.9	130.8	137.6	143.5	148.7	152.3	155.2	157.4	160.4
142.5°	101.3	108.1	114.9	121.7	128.4	134.5	139.7	143.5	146.6	148.4	150.5
145°	92.1	98.9	105.7	112.3	118.8	125.6	130.3	134.8	137.3	139.4	141.1
147.5°	82.7	89.6	96.3	102.8	109.1	115.3	120.7	125.3	128.5	130.4	131.9
150°	73.2	80.0	86.8	92.9	99.4	105.0	110.8	115.3	119.4	121.5	122.8
152.5°	63.9	70.2	76.8	82.9	88.7	94.4	99.9	105.1	108.9	112.6	114.1
155°	54.5	60.1	66.5	72.6	78.1	83.4	88.6	93.7	98.2	101.7	105.3
157.5°	45.0	50.1	56.4	62.6	68.1	73.3	78.4	83.3	88.0	92.4	95.6
160°	40.1	44.1	49.7	55.1	60.3	64.9	69.4	73.8	77.9	81.9	85.6
162.5°	35.2	38.7	43.0	47.6	52.2	56.5	60.4	64.2	67.9	71.3	74.6
165°	30.3	33.3	36.3	40.3	44.1	47.8	51.4	54.7	57.8	60.8	64.1
167.5°	25.3	27.8	30.3	33.0	36.1	39.2	42.2	45.1	47.8	50.3	52.7
170°	20.3	22.3	24.3	26.3	28.3	30.7	33.1	35.3	37.5	39.6	41.8
172.5°	15.2	16.8	18.3	19.8	21.2	22.7	24.1	25.8	27.4	28.9	30.4
175°	10.2	11.2	12.3	13.3	14.2	15.2	16.1	17.0	17.8	18.7	19.5
177.5°	5.1	5.6	6.1	6.7	7.1	7.6	8.1	8.5	9.0	9.4	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: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.2	10.5	10.9	11.2	11.5	11.8	12.0	12.3	12.5	12.7	12.8
5°	20.4	21.3	22.1	22.9	23.7	24.4	25.0	25.6	26.1	26.6	27.0
7.5°	31.9	33.2	34.5	35.7	36.8	37.8	38.8	39.6	40.4	41.1	41.7
10°	43.5	45.2	46.9	48.4	49.9	51.2	52.5	53.5	54.4	55.2	55.8
12.5°	55.0	57.2	59.2	61.0	62.6	64.1	65.5	66.7	67.8	68.7	69.5
15°	66.4	68.8	71.1	73.3	75.2	76.8	78.3	79.6	80.8	81.9	82.9
17.5°	77.7	81.0	82.9	85.0	87.0	88.9	90.6	92.2	93.7	95.3	96.8
20°	88.6	91.3	93.9	96.1	97.9	99.7	101.5	103.5	105.7	107.9	110.1
22.5°	98.8	101.5	103.2	104.9	106.8	109.0	111.4	113.9	116.7	120.4	123.9
25°	107.3	108.7	110.5	112.3	114.6	117.0	120.8	124.9	129.1	133.5	138.3
27.5°	114.9	115.5	116.3	118.3	122.0	126.3	131.3	136.2	141.8	147.3	153.1
30°	123.9	124.9	126.1	128.7	131.2	135.4	141.5	147.6	154.3	161.1	168.3
32.5°	133.2	135.0	137.9	140.9	145.1	149.2	153.8	159.0	167.0	176.6	186.1
35°	143.1	146.1	149.7	154.1	158.7	164.0	169.2	176.8	184.1	195.8	211.0
37.5°	153.6	157.2	161.8	166.9	172.7	179.6	188.2	198.1	212.0	226.8	241.2
40°	163.8	168.5	173.7	179.8	187.9	197.4	210.7	226.1	243.2	261.2	279.0
42.5°	174.3	179.3	185.7	194.2	204.5	219.7	236.3	256.8	278.5	298.3	319.0
45°	184.0	190.4	198.5	209.6	225.3	243.0	265.9	288.6	312.2	336.7	363.1
47.5°	194.2	201.0	212.8	227.8	246.4	270.7	295.4	321.0	349.2	378.8	408.2
50°	204.6	214.2	227.7	246.9	271.2	297.6	324.8	355.8	390.1	421.5	453.7
52.5°	224.6	233.9	248.2	267.6	296.9	324.0	356.2	393.4	428.2	464.0	499.8
55°	246.1	257.1	273.6	296.6	322.5	351.3	389.0	428.3	467.0	505.3	544.7
57.5°	266.8	280.0	298.9	323.3	349.9	384.8	423.1	463.3	503.7	544.7	587.1
60°	287.3	301.3	323.1	348.2	378.4	414.9	454.9	496.2	537.7	580.3	625.4
62.5°	307.7	323.1	345.1	370.8	404.7	442.6	483.5	525.6	567.0	610.6	659.5
65°	326.8	343.6	365.9	393.5	428.0	466.6	509.3	549.9	591.6	637.6	691.8
67.5°	344.5	362.1	384.8	414.2	449.1	488.7	530.8	569.4	611.3	663.4	732.3
70°	362.0	379.0	401.7	432.1	467.0	508.3	546.9	585.0	629.9	688.0	770.7
72.5°	377.1	395.0	417.8	447.7	482.3	527.0	559.0	596.4	645.7	715.6	801.3
75°	391.0	408.9	430.2	457.7	492.8	533.0	567.1	605.1	657.1	736.7	825.5
77.5°	404.4	421.1	439.8	464.9	498.9	535.8	571.6	614.8	675.3	755.4	844.8
80°	417.4	432.0	447.1	469.8	501.9	537.3	574.5	622.1	690.2	773.4	871.2
82.5°	430.0	441.7	452.6	472.6	502.3	537.4	575.7	627.0	700.4	786.2	889.8
85°	442.0	450.4	456.7	473.7	500.4	536.1	575.1	629.3	706.0	793.6	900.5
87.5°	453.8	458.7	459.9	473.9	497.1	534.0	573.7	630.2	709.0	798.2	907.0
90°	464.5	466.4	462.7	472.7	491.7	528.7	568.5	625.4	703.1	791.7	898.4
92.5°	453.8	458.7	459.9	473.9	497.1	534.0	573.7	630.2	709.0	798.2	907.0
95°	442.0	450.4	456.7	473.7	500.4	536.1	575.1	629.3	706.0	793.6	900.5
97.5°	430.0	441.7	452.6	472.6	502.3	537.4	575.7	627.0	700.4	786.2	889.8
100°	417.4	432.0	447.1	469.8	501.9	537.3	574.5	622.1	690.2	773.4	871.2
102.5°	404.4	421.1	439.8	464.9	498.9	535.8	571.6	614.8	675.3	755.4	844.8
105°	391.0	408.9	430.2	457.7	492.8	533.0	567.1	605.1	657.1	736.7	825.5
107.5°	377.1	395.0	417.8	447.7	482.3	527.0	559.0	596.4	645.7	715.6	801.3
110°	362.0	379.0	401.7	432.1	467.0	508.3	546.9	585.0	629.9	688.0	770.7



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	344.5	362.1	384.8	414.2	449.1	488.7	530.8	569.4	611.3	663.4	732.3
115°	326.8	343.6	365.9	393.5	428.0	466.6	509.3	549.9	591.6	637.6	691.8
117.5°	307.7	323.1	345.1	370.8	404.7	442.6	483.5	525.6	567.0	610.6	659.5
120°	287.3	301.3	323.1	348.2	378.4	414.9	454.9	496.2	537.7	580.3	625.4
122.5°	266.8	280.0	298.9	323.3	349.9	384.8	423.1	463.3	503.7	544.7	587.1
125°	246.1	257.1	273.6	296.6	322.5	351.3	389.0	428.3	467.0	505.3	544.7
127.5°	224.6	233.9	248.2	267.6	296.9	324.0	356.2	393.4	428.2	464.0	499.8
130°	204.6	214.2	227.7	246.9	271.2	297.6	324.8	355.8	390.1	421.5	453.7
132.5°	194.2	201.0	212.8	227.8	246.4	270.7	295.4	321.0	349.2	378.8	408.2
135°	184.0	190.4	198.5	209.6	225.3	243.0	265.9	288.6	312.2	336.7	363.1
137.5°	174.3	179.3	185.7	194.2	204.5	219.7	236.3	256.8	278.5	298.3	319.0
140°	163.8	168.5	173.7	179.8	187.9	197.4	210.7	226.1	243.2	261.2	279.0
142.5°	153.6	157.2	161.8	166.9	172.7	179.6	188.2	198.1	212.0	226.8	241.2
145°	143.1	146.1	149.7	154.1	158.7	164.0	169.2	176.8	184.1	195.8	211.0
147.5°	133.2	135.0	137.9	140.9	145.1	149.2	153.8	159.0	167.0	176.6	186.1
150°	123.9	124.9	126.1	128.7	131.2	135.4	141.5	147.6	154.3	161.1	168.3
152.5°	114.9	115.5	116.3	118.3	122.0	126.3	131.3	136.2	141.8	147.3	153.1
155°	107.3	108.7	110.5	112.3	114.6	117.0	120.8	124.9	129.1	133.5	138.3
157.5°	98.8	101.5	103.2	104.9	106.8	109.0	111.4	113.9	116.7	120.4	123.9
160°	88.6	91.3	93.9	96.1	97.9	99.7	101.5	103.5	105.7	107.9	110.1
162.5°	77.7	81.0	82.9	85.0	87.0	88.9	90.6	92.2	93.7	95.3	96.8
165°	66.4	68.8	71.1	73.3	75.2	76.8	78.3	79.6	80.8	81.9	82.9
167.5°	55.0	57.2	59.2	61.0	62.6	64.1	65.5	66.7	67.8	68.7	69.5
170°	43.5	45.2	46.9	48.4	49.9	51.2	52.5	53.5	54.4	55.2	55.8
172.5°	31.9	33.2	34.5	35.7	36.8	37.8	38.8	39.6	40.4	41.1	41.7
175°	20.4	21.3	22.1	22.9	23.7	24.4	25.0	25.6	26.1	26.6	27.0
177.5°	10.2	10.5	10.9	11.2	11.5	11.8	12.0	12.3	12.5	12.7	12.8
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: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	13.0	13.1	13.2	13.2	13.3	13.3	13.7	13.5	13.4	13.2	13.0
5°	27.4	27.7	27.9	28.1	28.2	28.3	28.3	28.2	28.6	28.2	27.8
7.5°	42.2	42.6	43.0	43.2	43.4	43.5	43.5	43.4	43.2	43.3	42.7
10°	56.4	56.8	57.1	57.3	57.4	57.4	57.3	57.0	56.7	56.6	55.8
12.5°	70.1	70.6	71.0	71.3	71.4	71.4	71.3	71.0	70.7	70.1	69.8
15°	84.0	85.0	85.9	86.8	87.5	88.1	88.5	88.8	89.0	89.0	89.2
17.5°	98.4	100.0	101.6	103.1	104.5	105.8	106.9	107.9	108.6	109.2	110.1
20°	112.4	114.8	117.5	120.0	122.4	124.6	126.6	128.3	129.9	131.1	132.7
22.5°	127.4	130.9	134.5	138.0	141.3	144.4	147.3	149.8	152.0	153.9	156.3
25°	143.0	147.6	152.1	156.7	161.0	165.1	168.9	172.4	175.5	178.2	180.4
27.5°	159.0	164.7	170.3	176.3	182.6	188.4	193.9	198.8	203.3	207.2	210.5
30°	176.1	184.2	192.1	199.8	208.8	216.9	224.2	230.6	236.1	240.8	244.5
32.5°	196.5	208.9	220.4	231.1	241.4	251.0	259.5	266.7	272.7	277.6	281.3
35°	225.2	240.1	254.1	266.9	278.4	288.5	297.0	303.9	309.2	313.1	315.7
37.5°	259.0	275.7	291.7	305.7	317.7	329.5	339.8	348.0	354.3	358.7	361.3
40°	297.3	315.9	334.5	351.6	366.4	380.3	393.9	405.8	415.6	423.4	429.0
42.5°	341.4	363.2	383.9	404.1	422.9	440.6	458.8	475.0	489.0	500.5	509.4
45°	388.4	413.1	436.0	460.8	485.0	510.5	531.0	552.5	571.5	587.6	600.6
47.5°	436.4	465.1	493.2	521.3	551.4	580.4	611.1	640.7	666.2	687.3	703.8
50°	486.5	519.0	552.7	586.0	628.2	668.7	707.6	746.4	778.9	805.0	824.5
52.5°	536.5	573.6	617.6	664.6	719.9	776.6	824.5	866.4	900.3	926.1	944.0
55°	585.3	632.9	686.5	750.3	818.4	890.3	946.4	981.9	1008.6	1028.9	1042.8
57.5°	634.5	691.4	756.9	834.4	918.0	982.6	1042.4	1071.0	1089.0	1102.6	1111.6
60°	680.2	745.5	827.5	910.2	987.5	1052.0	1101.9	1132.8	1148.9	1161.6	1170.5
62.5°	718.5	801.2	890.0	977.0	1049.6	1109.7	1153.9	1184.9	1201.1	1214.2	1223.6
65°	766.8	852.9	949.8	1038.3	1112.8	1171.2	1205.0	1230.2	1245.9	1257.5	1266.2
67.5°	815.9	910.2	1011.3	1105.6	1179.6	1219.7	1247.8	1266.6	1281.7	1294.6	1304.3
70°	860.7	963.7	1069.1	1169.3	1225.4	1257.3	1280.5	1298.8	1315.2	1327.4	1336.4
72.5°	899.5	1008.5	1117.5	1200.8	1255.4	1286.0	1307.1	1325.3	1342.6	1352.6	1361.2
75°	932.7	1043.8	1149.3	1232.1	1283.7	1308.0	1327.7	1346.7	1362.2	1372.7	1382.3
77.5°	956.8	1069.2	1182.8	1263.2	1302.5	1326.7	1347.1	1367.0	1381.2	1392.4	1401.7
80°	980.7	1094.9	1210.3	1289.1	1319.2	1344.1	1363.9	1381.8	1397.3	1409.5	1419.6
82.5°	1001.1	1120.3	1233.1	1299.3	1330.9	1355.5	1374.9	1391.9	1407.6	1418.1	1431.3
85°	1013.6	1134.3	1250.4	1306.2	1335.7	1361.0	1380.2	1397.8	1413.6	1425.5	1440.5
87.5°	1022.0	1137.3	1260.1	1310.8	1336.6	1363.9	1380.8	1400.0	1416.2	1425.0	1441.2
90°	1013.2	1129.7	1259.9	1311.4	1334.0	1363.8	1378.3	1399.1	1413.5	1425.3	1437.9
92.5°	1022.0	1137.3	1260.1	1310.8	1336.6	1363.9	1380.8	1400.0	1416.2	1425.0	1441.2
95°	1013.6	1134.3	1250.4	1306.2	1335.7	1361.0	1380.2	1397.8	1413.6	1425.5	1440.5
97.5°	1001.1	1120.3	1233.1	1299.3	1330.9	1355.5	1374.9	1391.9	1407.6	1418.1	1431.3
100°	980.7	1094.9	1210.3	1289.1	1319.2	1344.1	1363.9	1381.8	1397.3	1409.5	1419.6
102.5°	956.8	1069.2	1182.8	1263.2	1302.5	1326.7	1347.1	1367.0	1381.2	1392.4	1401.7
105°	932.7	1043.8	1149.3	1232.1	1283.7	1308.0	1327.7	1346.7	1362.2	1372.7	1382.3
107.5°	899.5	1008.5	1117.5	1200.8	1255.4	1286.0	1307.1	1325.3	1342.6	1352.6	1361.2
110°	860.7	963.7	1069.1	1169.3	1225.4	1257.3	1280.5	1298.8	1315.2	1327.4	1336.4



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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°	815.9	910.2	1011.3	1105.6	1179.6	1219.7	1247.8	1266.6	1281.7	1294.6	1304.3
115°	766.8	852.9	949.8	1038.3	1112.8	1171.2	1205.0	1230.2	1245.9	1257.5	1266.2
117.5°	718.5	801.2	890.0	977.0	1049.6	1109.7	1153.9	1184.9	1201.1	1214.2	1223.6
120°	680.2	745.5	827.5	910.2	987.5	1052.0	1101.9	1132.8	1148.9	1161.6	1170.5
122.5°	634.5	691.4	756.9	834.4	918.0	982.6	1042.4	1071.0	1089.0	1102.6	1111.6
125°	585.3	632.9	686.5	750.3	818.4	890.3	946.4	981.9	1008.6	1028.9	1042.8
127.5°	536.5	573.6	617.6	664.6	719.9	776.6	824.5	866.4	900.3	926.1	944.0
130°	486.5	519.0	552.7	586.0	628.2	668.7	707.6	746.4	778.9	805.0	824.5
132.5°	436.4	465.1	493.2	521.3	551.4	580.4	611.1	640.7	666.2	687.3	703.8
135°	388.4	413.1	436.0	460.8	485.0	510.5	531.0	552.5	571.5	587.6	600.6
137.5°	341.4	363.2	383.9	404.1	422.9	440.6	458.8	475.0	489.0	500.5	509.4
140°	297.3	315.9	334.5	351.6	366.4	380.3	393.9	405.8	415.6	423.4	429.0
142.5°	259.0	275.7	291.7	305.7	317.7	329.5	339.8	348.0	354.3	358.7	361.3
145°	225.2	240.1	254.1	266.9	278.4	288.5	297.0	303.9	309.2	313.1	315.7
147.5°	196.5	208.9	220.4	231.1	241.4	251.0	259.5	266.7	272.7	277.6	281.3
150°	176.1	184.2	192.1	199.8	208.8	216.9	224.2	230.6	236.1	240.8	244.5
152.5°	159.0	164.7	170.3	176.3	182.6	188.4	193.9	198.8	203.3	207.2	210.5
155°	143.0	147.6	152.1	156.7	161.0	165.1	168.9	172.4	175.5	178.2	180.4
157.5°	127.4	130.9	134.5	138.0	141.3	144.4	147.3	149.8	152.0	153.9	156.3
160°	112.4	114.8	117.5	120.0	122.4	124.6	126.6	128.3	129.9	131.1	132.7
162.5°	98.4	100.0	101.6	103.1	104.5	105.8	106.9	107.9	108.6	109.2	110.1
165°	84.0	85.0	85.9	86.8	87.5	88.1	88.5	88.8	89.0	89.0	89.2
167.5°	70.1	70.6	71.0	71.3	71.4	71.4	71.3	71.0	70.7	70.1	69.8
170°	56.4	56.8	57.1	57.3	57.4	57.4	57.3	57.0	56.7	56.6	55.8
172.5°	42.2	42.6	43.0	43.2	43.4	43.5	43.5	43.4	43.2	43.3	42.7
175°	27.4	27.7	27.9	28.1	28.2	28.3	28.3	28.2	28.6	28.2	27.8
177.5°	13.0	13.1	13.2	13.2	13.3	13.3	13.7	13.5	13.4	13.2	13.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	12.9	12.7
5°	27.5	27.1
7.5°	42.2	41.6
10°	55.0	54.2
12.5°	68.8	67.8
15°	88.5	87.7
17.5°	109.7	109.4
20°	132.8	132.9
22.5°	156.8	157.3
25°	182.5	183.5
27.5°	213.5	215.1
30°	247.8	249.4
32.5°	284.5	285.6
35°	317.5	317.2
37.5°	363.0	361.5
40°	433.5	432.9
42.5°	516.9	517.9
45°	612.1	615.5
47.5°	717.9	722.1
50°	840.8	844.1
52.5°	957.9	958.0
55°	1053.4	1052.0
57.5°	1118.4	1116.2
60°	1177.5	1175.8
62.5°	1229.0	1230.1
65°	1271.6	1273.4
67.5°	1310.3	1312.3
70°	1342.0	1343.9
72.5°	1368.0	1372.0
75°	1391.8	1398.2
77.5°	1411.5	1417.1
80°	1428.3	1431.6
82.5°	1440.9	1449.7
85°	1445.3	1451.5
87.5°	1450.9	1459.6
90°	1442.5	1456.9
92.5°	1450.9	1459.6
95°	1445.3	1451.5
97.5°	1440.9	1449.7
100°	1428.3	1431.6
102.5°	1411.5	1417.1
105°	1391.8	1398.2
107.5°	1368.0	1372.0
110°	1342.0	1343.9



TEST NUMBER: P232023

CATALOG NUMBER: FVS4WM-3-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1310.3	1312.3
115°	1271.6	1273.4
117.5°	1229.0	1230.1
120°	1177.5	1175.8
122.5°	1118.4	1116.2
125°	1053.4	1052.0
127.5°	957.9	958.0
130°	840.8	844.1
132.5°	717.9	722.1
135°	612.1	615.5
137.5°	516.9	517.9
140°	433.5	432.9
142.5°	363.0	361.5
145°	317.5	317.2
147.5°	284.5	285.6
150°	247.8	249.4
152.5°	213.5	215.1
155°	182.5	183.5
157.5°	156.8	157.3
160°	132.8	132.9
162.5°	109.7	109.4
165°	88.5	87.7
167.5°	68.8	67.8
170°	55.0	54.2
172.5°	42.2	41.6
175°	27.5	27.1
177.5°	12.9	12.7
180°	0.0	0.0

(END OF REPORT)