

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: P232020

Luminaire Tested: **FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232020
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-LD4-30-1STD-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH P125 LENS
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

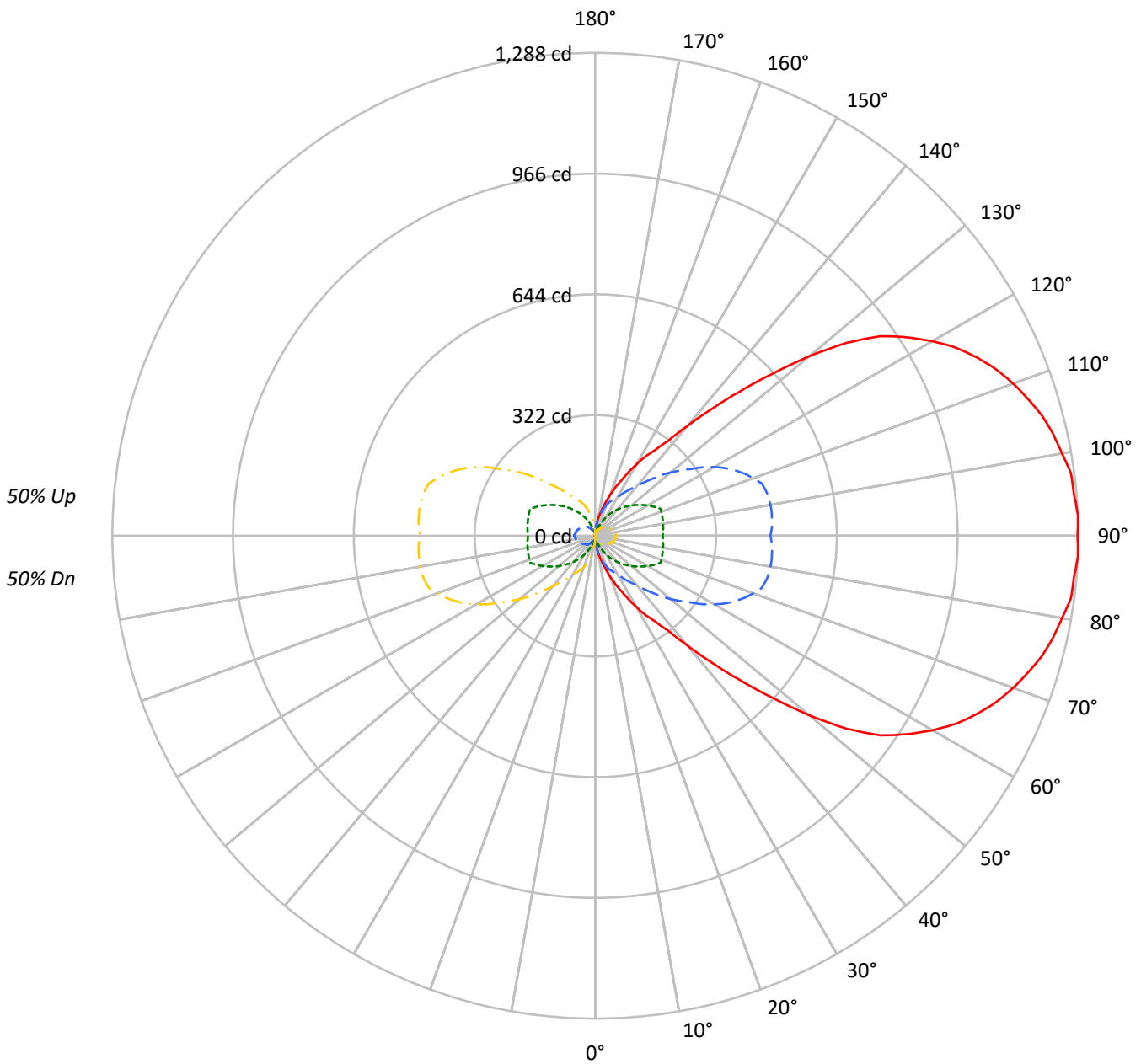
Lumens per Lamp: N/A
Luminaire Lumens: 3065.6 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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	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°	412	139	0	139
10°	740	279	0	279
15°	1090	422	0	422
20°	1529	573	0	573
25°	1978	834	0	834
30°	2550	1224	0	1224
35°	3105	1654	0	1654
40°	4093	2143	0	2143
45°	5670	2708	0	2708
50°	7639	3410	0	3410
55°	9426	4271	0	4271
60°	10511	5359	0	5359
65°	11443	6790	0	6790
70°	12234	8327	8	8327
75°	12997	10072	8	10072
80°	13702	12931	0	12931
85°	14430	18425	0	18425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	10.6	0.3
20°-30°	29.8	1.0
30°-40°	64.7	2.1
40°-50°	125.8	4.1
50°-60°	218.4	7.1
60°-70°	308.6	10.1
70°-80°	371.1	12.1
80°-90°	402.3	13.1
90°-100°	402.3	13.1
100°-110°	371.1	12.1
110°-120°	308.6	10.1
120°-130°	218.4	7.1
130°-140°	125.8	4.1
140°-150°	64.7	2.1
150°-160°	29.8	1.0
160°-170°	10.6	0.3
170°-180°	1.5	0.0
0°-30°	42.0	1.4
0°-40°	106.7	3.5
0°-60°	450.8	14.7
0°-90°	1532.8	50.0
90°-120°	1082.0	35.3
90°-150°	1490.8	48.6
90°-180°	1533.0	50.0
0°-180°	3065.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	24	7	0	7	24	3
15°	77	21	0	21	77	23
25°	162	40	0	40	162	78
35°	280	74	0	74	280	183
45°	543	108	0	108	543	430
55°	928	144	0	144	928	821
65°	1124	179	0	179	1124	1113
75°	1234	185	1	185	1234	1302
85°	1281	182	0	182	1281	1045
90°	1286	180	0	180	1286	705
95°	1281	182	0	182	1281	1045
105°	1234	185	1	185	1234	1302
115°	1124	179	0	179	1124	1113
125°	928	144	0	144	928	821
135°	543	108	0	108	543	430
145°	280	74	0	74	280	183
155°	162	40	0	40	162	78
165°	77	21	0	21	77	23
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°	11.2	11.4	11.5	11.7	11.8	11.9	12.1	11.7	11.7	11.7	11.6
5°	23.9	24.2	24.6	24.9	25.2	24.9	25.0	25.0	24.9	24.8	24.6
7.5°	36.7	37.2	37.7	38.2	38.1	38.3	38.4	38.4	38.3	38.1	37.9
10°	47.9	48.6	49.3	50.1	50.1	50.4	50.6	50.7	50.7	50.6	50.4
12.5°	59.8	60.7	61.5	61.9	62.3	62.7	62.9	63.0	63.0	62.9	62.7
15°	77.4	78.1	78.7	78.5	78.5	78.4	78.1	77.7	77.2	76.6	75.8
17.5°	96.5	96.8	97.1	96.3	95.8	95.2	94.3	93.3	92.2	91.0	89.7
20°	117.3	117.2	117.2	115.7	114.6	113.3	111.7	110.0	108.0	105.9	103.7
22.5°	138.8	138.4	137.9	135.8	134.2	132.2	130.0	127.5	124.7	121.8	118.7
25°	161.9	161.0	159.2	157.2	154.8	152.1	149.0	145.7	142.1	138.3	134.2
27.5°	189.8	188.4	185.7	182.8	179.4	175.5	171.1	166.3	161.1	155.6	150.3
30°	220.2	218.8	215.9	212.6	208.5	203.6	197.9	191.4	184.2	176.3	169.5
32.5°	252.1	251.1	248.3	245.0	240.7	235.4	229.0	221.6	213.1	204.0	194.6
35°	280.0	280.2	278.6	276.4	273.0	268.2	262.2	254.7	245.7	235.6	224.3
37.5°	319.1	320.4	318.9	316.6	312.7	307.2	299.9	290.9	280.4	269.9	257.5
40°	382.1	382.6	378.7	373.8	366.9	358.1	347.7	335.7	323.3	310.3	295.3
42.5°	457.1	456.2	449.6	441.8	431.6	419.3	405.0	388.9	373.3	356.7	338.8
45°	543.2	540.2	530.1	518.6	504.3	487.6	468.6	450.6	428.1	406.8	384.9
47.5°	637.3	633.6	621.1	606.6	588.0	565.5	539.3	512.2	486.7	460.1	435.4
50°	745.0	742.1	727.7	710.5	687.5	658.8	624.5	590.1	554.4	517.2	487.8
52.5°	845.5	845.4	833.2	817.3	794.6	764.7	727.7	685.4	635.4	586.5	545.1
55°	928.5	929.8	920.4	908.1	890.1	866.6	835.3	785.8	722.4	662.2	605.9
57.5°	985.1	987.0	981.1	973.1	961.1	945.3	920.0	867.2	810.2	736.4	668.0
60°	1037.8	1039.3	1033.1	1025.3	1014.1	999.8	972.5	928.5	871.5	803.3	730.3
62.5°	1085.6	1084.7	1079.9	1071.6	1060.1	1045.8	1018.4	979.4	926.3	862.2	785.5
65°	1123.9	1122.3	1117.5	1109.8	1099.6	1085.7	1063.5	1033.7	982.1	916.4	838.2
67.5°	1158.2	1156.4	1151.1	1142.6	1131.2	1117.9	1101.3	1076.5	1041.1	975.7	892.5
70°	1186.1	1184.4	1179.5	1171.5	1160.7	1146.3	1130.2	1109.6	1081.6	1032.0	943.6
72.5°	1210.9	1207.4	1201.4	1193.8	1185.0	1169.7	1153.6	1135.0	1108.0	1059.8	986.3
75°	1234.0	1228.3	1220.0	1211.6	1202.3	1188.6	1171.8	1154.4	1132.9	1087.4	1014.3
77.5°	1250.8	1245.8	1237.2	1228.9	1219.1	1206.5	1189.0	1170.9	1149.5	1114.9	1043.9
80°	1263.5	1260.6	1252.9	1244.0	1233.3	1219.5	1203.8	1186.3	1164.3	1137.7	1068.2
82.5°	1279.5	1271.8	1263.2	1251.5	1242.3	1228.5	1213.5	1196.3	1174.7	1146.7	1088.3
85°	1281.1	1275.6	1271.4	1258.1	1247.6	1233.7	1218.2	1201.3	1178.9	1152.9	1103.6
87.5°	1288.2	1280.6	1272.0	1257.6	1249.9	1235.6	1218.7	1203.8	1179.7	1156.9	1112.2
90°	1285.9	1273.1	1269.1	1257.9	1247.6	1234.8	1216.5	1203.7	1177.4	1157.4	1112.0
92.5°	1288.2	1280.6	1272.0	1257.6	1249.9	1235.6	1218.7	1203.8	1179.7	1156.9	1112.2
95°	1281.1	1275.6	1271.4	1258.1	1247.6	1233.7	1218.2	1201.3	1178.9	1152.9	1103.6
97.5°	1279.5	1271.8	1263.2	1251.5	1242.3	1228.5	1213.5	1196.3	1174.7	1146.7	1088.3
100°	1263.5	1260.6	1252.9	1244.0	1233.3	1219.5	1203.8	1186.3	1164.3	1137.7	1068.2
102.5°	1250.8	1245.8	1237.2	1228.9	1219.1	1206.5	1189.0	1170.9	1149.5	1114.9	1043.9
105°	1234.0	1228.3	1220.0	1211.6	1202.3	1188.6	1171.8	1154.4	1132.9	1087.4	1014.3
107.5°	1210.9	1207.4	1201.4	1193.8	1185.0	1169.7	1153.6	1135.0	1108.0	1059.8	986.3
110°	1186.1	1184.4	1179.5	1171.5	1160.7	1146.3	1130.2	1109.6	1081.6	1032.0	943.6



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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°	1158.2	1156.4	1151.1	1142.6	1131.2	1117.9	1101.3	1076.5	1041.1	975.7	892.5
115°	1123.9	1122.3	1117.5	1109.8	1099.6	1085.7	1063.5	1033.7	982.1	916.4	838.2
117.5°	1085.6	1084.7	1079.9	1071.6	1060.1	1045.8	1018.4	979.4	926.3	862.2	785.5
120°	1037.8	1039.3	1033.1	1025.3	1014.1	999.8	972.5	928.5	871.5	803.3	730.3
122.5°	985.1	987.0	981.1	973.1	961.1	945.3	920.0	867.2	810.2	736.4	668.0
125°	928.5	929.8	920.4	908.1	890.1	866.6	835.3	785.8	722.4	662.2	605.9
127.5°	845.5	845.4	833.2	817.3	794.6	764.7	727.7	685.4	635.4	586.5	545.1
130°	745.0	742.1	727.7	710.5	687.5	658.8	624.5	590.1	554.4	517.2	487.8
132.5°	637.3	633.6	621.1	606.6	588.0	565.5	539.3	512.2	486.7	460.1	435.4
135°	543.2	540.2	530.1	518.6	504.3	487.6	468.6	450.6	428.1	406.8	384.9
137.5°	457.1	456.2	449.6	441.8	431.6	419.3	405.0	388.9	373.3	356.7	338.8
140°	382.1	382.6	378.7	373.8	366.9	358.1	347.7	335.7	323.3	310.3	295.3
142.5°	319.1	320.4	318.9	316.6	312.7	307.2	299.9	290.9	280.4	269.9	257.5
145°	280.0	280.2	278.6	276.4	273.0	268.2	262.2	254.7	245.7	235.6	224.3
147.5°	252.1	251.1	248.3	245.0	240.7	235.4	229.0	221.6	213.1	204.0	194.6
150°	220.2	218.8	215.9	212.6	208.5	203.6	197.9	191.4	184.2	176.3	169.5
152.5°	189.8	188.4	185.7	182.8	179.4	175.5	171.1	166.3	161.1	155.6	150.3
155°	161.9	161.0	159.2	157.2	154.8	152.1	149.0	145.7	142.1	138.3	134.2
157.5°	138.8	138.4	137.9	135.8	134.2	132.2	130.0	127.5	124.7	121.8	118.7
160°	117.3	117.2	117.2	115.7	114.6	113.3	111.7	110.0	108.0	105.9	103.7
162.5°	96.5	96.8	97.1	96.3	95.8	95.2	94.3	93.3	92.2	91.0	89.7
165°	77.4	78.1	78.7	78.5	78.5	78.4	78.1	77.7	77.2	76.6	75.8
167.5°	59.8	60.7	61.5	61.9	62.3	62.7	62.9	63.0	63.0	62.9	62.7
170°	47.9	48.6	49.3	50.1	50.1	50.4	50.6	50.7	50.7	50.6	50.4
172.5°	36.7	37.2	37.7	38.2	38.1	38.3	38.4	38.4	38.3	38.1	37.9
175°	23.9	24.2	24.6	24.9	25.2	24.9	25.0	25.0	24.9	24.8	24.6
177.5°	11.2	11.4	11.5	11.7	11.8	11.9	12.1	11.7	11.7	11.7	11.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	11.5	11.4	11.3	11.2	11.0	10.8	10.6	10.4	10.1	9.9	9.6
5°	24.4	24.1	23.8	23.5	23.0	22.6	22.1	21.5	20.9	20.2	19.5
7.5°	37.6	37.2	36.8	36.2	35.6	34.9	34.2	33.4	32.5	31.5	30.4
10°	50.2	49.8	49.3	48.7	48.0	47.2	46.3	45.2	44.0	42.7	41.3
12.5°	62.3	61.9	61.3	60.7	59.9	58.9	57.8	56.6	55.3	53.8	52.3
15°	75.0	74.1	73.1	72.3	71.3	70.3	69.1	67.8	66.4	64.7	62.8
17.5°	88.3	86.8	85.4	84.1	82.7	81.3	79.9	78.4	76.8	75.1	73.2
20°	101.3	99.1	97.2	95.2	93.2	91.3	89.6	87.9	86.3	84.8	82.8
22.5°	115.5	112.5	109.4	106.2	103.0	100.5	98.3	96.2	94.2	92.5	91.0
25°	130.3	126.3	122.1	117.9	114.0	110.3	106.7	103.3	101.1	99.1	97.5
27.5°	145.4	140.3	135.1	130.0	125.1	120.3	115.9	111.5	107.7	104.4	102.6
30°	162.6	155.4	148.5	142.2	136.2	130.2	124.9	119.6	115.9	113.6	111.3
32.5°	184.4	173.4	164.2	155.8	147.4	140.3	135.7	131.7	128.1	124.4	121.7
35°	211.9	198.8	186.2	172.8	162.5	156.1	149.3	144.8	140.1	136.0	132.1
37.5°	243.4	228.7	212.9	200.2	187.1	174.8	166.1	158.5	152.4	147.3	142.8
40°	278.8	262.5	246.2	230.5	214.6	199.5	186.0	174.2	165.9	158.7	153.3
42.5°	320.6	301.4	281.6	263.3	245.8	226.6	208.5	193.9	180.5	171.4	163.9
45°	364.6	342.8	320.5	297.2	275.6	254.7	234.7	214.4	198.8	185.0	175.2
47.5°	410.6	385.2	360.3	334.3	308.3	283.3	260.7	238.9	217.4	201.0	187.8
50°	458.0	429.4	400.4	372.0	344.3	314.0	286.7	262.6	239.3	217.8	200.9
52.5°	506.3	473.5	441.1	409.5	377.9	347.2	314.4	285.9	261.9	236.1	219.0
55°	558.6	516.6	480.7	446.0	412.2	378.0	343.3	310.1	284.6	261.7	241.4
57.5°	610.3	560.0	518.2	480.7	444.6	408.9	373.4	339.6	308.8	285.3	263.8
60°	657.9	600.3	552.0	512.1	474.6	437.9	401.5	366.2	334.0	307.3	285.1
62.5°	707.1	634.1	582.1	538.9	500.4	463.9	426.7	390.7	357.2	327.2	304.5
65°	752.7	676.7	610.5	562.7	522.1	485.3	449.5	411.9	377.8	347.3	322.9
67.5°	803.3	720.0	646.3	585.5	539.6	502.5	468.5	431.4	396.4	365.6	339.6
70°	850.5	759.6	680.2	607.2	556.0	516.4	482.7	448.6	412.2	381.3	354.6
72.5°	890.1	793.9	707.2	631.5	569.9	526.5	493.3	465.1	425.7	395.1	368.7
75°	921.3	823.2	728.6	650.2	580.0	534.1	500.6	470.4	435.0	404.0	379.6
77.5°	943.7	844.5	745.6	666.7	596.0	542.6	504.5	472.9	440.3	410.4	388.2
80°	966.3	865.6	768.9	682.6	609.2	549.1	507.1	474.2	443.0	414.7	394.6
82.5°	988.7	883.6	785.4	693.9	618.2	553.4	508.1	474.3	443.3	417.1	399.5
85°	1001.2	894.6	794.8	700.4	623.1	555.4	507.6	473.1	441.6	418.1	403.1
87.5°	1003.8	902.0	800.5	704.5	625.8	556.3	506.3	471.2	438.7	418.2	406.0
90°	997.1	894.2	792.9	698.8	620.6	552.0	501.7	466.6	433.9	417.2	408.4
92.5°	1003.8	902.0	800.5	704.5	625.8	556.3	506.3	471.2	438.7	418.2	406.0
95°	1001.2	894.6	794.8	700.4	623.1	555.4	507.6	473.1	441.6	418.1	403.1
97.5°	988.7	883.6	785.4	693.9	618.2	553.4	508.1	474.3	443.3	417.1	399.5
100°	966.3	865.6	768.9	682.6	609.2	549.1	507.1	474.2	443.0	414.7	394.6
102.5°	943.7	844.5	745.6	666.7	596.0	542.6	504.5	472.9	440.3	410.4	388.2
105°	921.3	823.2	728.6	650.2	580.0	534.1	500.6	470.4	435.0	404.0	379.6
107.5°	890.1	793.9	707.2	631.5	569.9	526.5	493.3	465.1	425.7	395.1	368.7
110°	850.5	759.6	680.2	607.2	556.0	516.4	482.7	448.6	412.2	381.3	354.6



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	803.3	720.0	646.3	585.5	539.6	502.5	468.5	431.4	396.4	365.6	339.6
115°	752.7	676.7	610.5	562.7	522.1	485.3	449.5	411.9	377.8	347.3	322.9
117.5°	707.1	634.1	582.1	538.9	500.4	463.9	426.7	390.7	357.2	327.2	304.5
120°	657.9	600.3	552.0	512.1	474.6	437.9	401.5	366.2	334.0	307.3	285.1
122.5°	610.3	560.0	518.2	480.7	444.6	408.9	373.4	339.6	308.8	285.3	263.8
125°	558.6	516.6	480.7	446.0	412.2	378.0	343.3	310.1	284.6	261.7	241.4
127.5°	506.3	473.5	441.1	409.5	377.9	347.2	314.4	285.9	261.9	236.1	219.0
130°	458.0	429.4	400.4	372.0	344.3	314.0	286.7	262.6	239.3	217.8	200.9
132.5°	410.6	385.2	360.3	334.3	308.3	283.3	260.7	238.9	217.4	201.0	187.8
135°	364.6	342.8	320.5	297.2	275.6	254.7	234.7	214.4	198.8	185.0	175.2
137.5°	320.6	301.4	281.6	263.3	245.8	226.6	208.5	193.9	180.5	171.4	163.9
140°	278.8	262.5	246.2	230.5	214.6	199.5	186.0	174.2	165.9	158.7	153.3
142.5°	243.4	228.7	212.9	200.2	187.1	174.8	166.1	158.5	152.4	147.3	142.8
145°	211.9	198.8	186.2	172.8	162.5	156.1	149.3	144.8	140.1	136.0	132.1
147.5°	184.4	173.4	164.2	155.8	147.4	140.3	135.7	131.7	128.1	124.4	121.7
150°	162.6	155.4	148.5	142.2	136.2	130.2	124.9	119.6	115.9	113.6	111.3
152.5°	145.4	140.3	135.1	130.0	125.1	120.3	115.9	111.5	107.7	104.4	102.6
155°	130.3	126.3	122.1	117.9	114.0	110.3	106.7	103.3	101.1	99.1	97.5
157.5°	115.5	112.5	109.4	106.2	103.0	100.5	98.3	96.2	94.2	92.5	91.0
160°	101.3	99.1	97.2	95.2	93.2	91.3	89.6	87.9	86.3	84.8	82.9
162.5°	88.3	86.8	85.4	84.1	82.7	81.3	79.9	78.4	76.8	75.1	73.2
165°	75.0	74.1	73.1	72.3	71.3	70.3	69.1	67.8	66.4	64.7	62.8
167.5°	62.3	61.9	61.3	60.7	59.9	58.9	57.8	56.6	55.3	53.8	52.3
170°	50.2	49.8	49.3	48.7	48.0	47.2	46.3	45.2	44.0	42.7	41.3
172.5°	37.6	37.2	36.8	36.2	35.6	34.9	34.2	33.4	32.5	31.5	30.4
175°	24.4	24.1	23.8	23.5	23.0	22.6	22.1	21.5	20.9	20.2	19.5
177.5°	11.5	11.4	11.3	11.2	11.0	10.8	10.6	10.4	10.1	9.9	9.6
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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	9.3	9.0	8.6	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.4
5°	18.8	18.0	17.2	16.5	15.7	15.0	14.2	13.4	12.6	11.7	10.8
7.5°	29.3	28.1	26.8	25.5	24.2	22.7	21.3	20.0	18.7	17.5	16.2
10°	39.9	38.3	36.8	34.9	33.1	31.2	29.2	27.1	25.0	23.2	21.5
12.5°	50.4	48.5	46.5	44.3	42.1	39.7	37.2	34.6	31.9	29.1	26.7
15°	60.8	58.6	56.6	53.7	51.0	48.2	45.4	42.2	38.9	35.5	32.1
17.5°	71.5	68.6	65.9	63.0	59.9	56.7	53.3	49.8	46.0	42.0	37.9
20°	80.6	78.3	75.6	72.3	68.8	65.1	61.3	57.3	53.2	48.6	43.8
22.5°	89.5	87.2	84.4	81.6	77.8	73.6	69.2	64.7	60.1	55.2	49.8
25°	95.9	94.6	92.9	89.7	86.7	82.8	78.3	73.7	68.9	64.0	58.7
27.5°	101.9	101.3	100.6	99.3	96.1	92.8	88.2	83.3	78.3	73.1	67.7
30°	110.2	109.4	108.4	107.2	105.3	101.7	97.8	92.7	87.7	82.0	76.6
32.5°	119.2	117.5	116.4	115.1	113.4	110.5	106.5	101.8	96.3	90.7	85.0
35°	129.0	126.3	124.5	123.0	121.2	119.0	115.0	110.9	104.9	99.1	93.3
37.5°	138.8	135.6	132.8	131.0	129.4	126.6	123.3	118.7	113.3	107.4	101.4
40°	148.7	144.6	141.6	138.9	137.0	134.5	131.2	126.6	121.4	115.4	109.4
42.5°	158.2	153.8	150.0	147.2	144.7	142.5	138.8	134.4	129.3	123.3	117.2
45°	168.1	162.4	158.4	155.2	152.5	150.1	146.6	142.1	136.8	130.9	124.8
47.5°	177.4	171.4	166.5	163.1	160.2	158.4	157.2	154.9	152.0	148.2	143.1
50°	189.0	180.6	177.1	175.6	174.6	174.1	174.0	173.2	171.7	169.0	164.1
52.5°	206.4	198.2	194.0	191.3	189.8	189.3	189.9	190.6	190.8	189.6	184.7
55°	226.8	217.2	210.7	206.8	204.9	204.4	205.2	207.1	209.3	209.7	205.3
57.5°	247.1	235.4	227.5	222.8	220.3	219.3	220.1	222.9	227.2	229.0	225.8
60°	265.9	253.5	244.9	239.0	235.5	234.0	234.5	238.1	244.3	248.0	246.1
62.5°	285.1	271.6	262.0	255.1	250.6	248.5	248.8	253.2	260.8	266.7	266.4
65°	303.2	288.4	278.6	271.1	265.7	263.3	263.5	268.0	276.8	285.0	286.6
67.5°	319.5	304.1	294.7	287.1	281.3	278.2	278.0	282.6	292.5	303.1	306.7
70°	334.4	319.5	310.5	302.7	295.6	290.9	289.3	292.7	301.7	311.3	311.6
72.5°	348.6	332.9	321.8	313.3	305.8	300.1	297.6	300.2	308.7	317.7	314.7
75°	360.9	345.1	332.5	323.6	315.9	309.5	305.9	307.7	315.9	324.8	318.2
77.5°	371.7	357.0	343.1	333.6	325.8	318.9	314.2	315.4	323.4	332.3	321.9
80°	381.2	368.4	353.5	343.4	335.6	328.3	322.5	323.1	331.0	340.2	325.7
82.5°	389.8	379.5	363.6	353.0	345.3	337.7	330.9	330.9	338.7	348.3	330.6
85°	397.5	390.1	373.5	362.4	354.8	347.3	339.2	338.6	346.4	356.9	333.9
87.5°	404.8	400.5	383.3	371.6	364.2	356.3	347.5	346.8	354.7	364.7	337.3
90°	411.6	410.0	392.5	380.5	373.3	365.3	355.8	355.0	362.9	372.5	340.6
92.5°	404.8	400.5	383.3	371.6	364.2	356.3	347.5	346.8	354.7	364.7	337.3
95°	397.5	390.1	373.5	362.4	354.8	347.3	339.2	338.6	346.4	356.9	333.9
97.5°	389.8	379.5	363.6	353.0	345.3	337.7	330.9	330.9	338.7	348.3	330.6
100°	381.2	368.4	353.5	343.4	335.6	328.3	322.5	323.1	331.0	340.2	325.7
102.5°	371.7	357.0	343.1	333.6	325.8	318.9	314.2	315.4	323.4	332.3	321.9
105°	360.9	345.1	332.5	323.6	315.9	309.5	305.9	307.7	315.9	324.8	318.2
107.5°	348.6	332.9	321.8	313.3	305.8	300.1	297.6	300.2	308.7	317.7	314.7
110°	334.4	319.5	310.5	302.7	295.6	290.9	289.3	292.7	301.7	311.3	311.6



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	319.5	304.1	294.7	287.1	281.3	278.2	278.0	282.6	292.5	303.1	306.7
115°	303.2	288.4	278.6	271.1	265.7	263.3	263.5	268.0	276.8	285.0	286.6
117.5°	285.1	271.6	262.0	255.1	250.6	248.5	248.8	253.2	260.8	266.7	266.4
120°	265.9	253.5	244.9	239.0	235.5	234.0	234.5	238.1	244.3	248.0	246.1
122.5°	247.1	235.4	227.5	222.8	220.3	219.3	220.1	222.9	227.2	229.0	225.8
125°	226.8	217.2	210.7	206.8	204.9	204.4	205.2	207.1	209.3	209.7	205.3
127.5°	206.4	198.2	194.0	191.3	189.8	189.3	189.9	190.6	190.8	189.6	184.7
130°	189.0	180.6	177.1	175.6	174.6	174.1	174.0	173.2	171.7	169.0	164.1
132.5°	177.4	171.4	166.5	163.1	160.2	158.4	157.2	154.9	152.0	148.2	143.1
135°	168.1	162.4	158.4	155.2	152.5	150.1	146.6	142.1	136.8	130.9	124.8
137.5°	158.2	153.8	150.0	147.2	144.7	142.5	138.8	134.4	129.3	123.3	117.2
140°	148.7	144.6	141.6	138.9	137.0	134.5	131.2	126.6	121.4	115.4	109.4
142.5°	138.8	135.6	132.8	131.0	129.4	126.6	123.3	118.7	113.3	107.4	101.4
145°	129.0	126.3	124.5	123.0	121.2	119.0	115.0	110.9	104.9	99.1	93.3
147.5°	119.2	117.5	116.4	115.1	113.4	110.5	106.5	101.8	96.3	90.7	85.0
150°	110.2	109.4	108.4	107.2	105.3	101.7	97.8	92.7	87.7	82.0	76.6
152.5°	101.9	101.3	100.6	99.3	96.1	92.8	88.2	83.3	78.3	73.1	67.7
155°	95.9	94.6	92.9	89.7	86.7	82.8	78.3	73.7	68.9	64.0	58.7
157.5°	89.5	87.2	84.4	81.6	77.8	73.6	69.2	64.7	60.1	55.2	49.8
160°	80.6	78.3	75.6	72.3	68.8	65.1	61.3	57.3	53.2	48.6	43.8
162.5°	71.5	68.6	65.9	63.0	59.9	56.7	53.3	49.8	46.0	42.0	37.9
165°	60.8	58.6	56.6	53.7	51.0	48.2	45.4	42.2	38.9	35.5	32.1
167.5°	50.4	48.5	46.5	44.3	42.1	39.7	37.2	34.6	31.9	29.1	26.7
170°	39.9	38.3	36.8	34.9	33.1	31.2	29.2	27.1	25.0	23.2	21.5
172.5°	29.3	28.1	26.8	25.5	24.2	22.7	21.3	20.0	18.7	17.5	16.2
175°	18.8	18.0	17.2	16.5	15.7	15.0	14.2	13.4	12.6	11.7	10.8
177.5°	9.3	9.0	8.6	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.4
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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.0	4.5	4.0	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3
5°	9.9	9.0	8.0	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4
7.5°	14.8	13.4	12.1	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.2
10°	19.7	17.9	16.0	14.2	13.9	13.6	13.3	13.0	12.7	12.3	12.0
12.5°	24.5	22.3	20.0	17.7	17.3	16.9	16.4	16.0	15.5	15.2	14.8
15°	29.4	26.7	24.0	21.3	20.7	20.1	19.5	18.9	18.4	18.0	17.5
17.5°	34.1	31.1	28.0	24.8	24.0	23.2	22.4	21.8	21.2	20.7	20.1
20°	39.0	35.4	31.9	28.4	27.4	26.3	25.3	24.6	24.0	23.3	22.8
22.5°	44.3	39.7	35.9	31.9	30.6	29.4	28.2	27.5	26.7	26.1	25.5
25°	53.1	48.1	44.3	40.3	39.2	38.0	37.0	36.0	34.9	33.6	32.2
27.5°	62.0	56.4	52.7	48.7	47.9	46.9	46.3	45.6	44.5	43.2	41.4
30°	70.6	64.6	61.0	57.2	56.7	56.0	55.8	55.4	54.2	52.7	50.0
32.5°	79.1	73.0	69.2	65.6	65.5	65.3	65.5	65.1	63.8	61.6	58.1
35°	87.3	81.3	77.3	74.0	74.4	74.7	75.3	74.9	73.5	70.1	65.9
37.5°	95.4	89.4	85.4	82.4	83.3	84.2	85.3	84.7	83.3	78.2	72.9
40°	103.2	97.4	93.5	90.9	92.3	93.8	95.4	94.5	91.7	85.9	79.5
42.5°	110.9	105.3	101.4	99.3	101.3	103.5	105.6	104.3	100.0	93.6	85.7
45°	118.6	113.1	109.3	107.7	110.4	113.3	115.4	114.1	108.1	100.2	91.6
47.5°	135.6	127.9	121.2	116.7	116.8	117.8	118.4	116.8	110.0	102.4	94.3
50°	154.2	143.4	133.4	125.6	123.0	121.8	120.3	117.2	109.7	101.8	93.9
52.5°	173.2	159.3	145.8	134.6	129.0	125.5	122.1	117.3	109.5	101.5	94.0
55°	192.7	175.6	158.4	143.5	134.8	128.9	123.6	117.4	109.3	101.4	94.5
57.5°	212.5	192.1	171.2	152.5	140.4	132.0	125.0	117.6	109.3	101.6	95.4
60°	232.7	208.9	184.1	161.4	145.9	134.9	126.2	117.8	109.5	102.3	97.0
62.5°	253.2	225.9	197.1	170.4	151.3	137.6	127.2	118.0	109.8	103.4	99.3
65°	273.9	243.1	210.3	179.3	156.5	140.2	128.2	118.4	110.3	104.7	102.1
67.5°	294.8	260.5	223.5	188.3	161.7	142.5	129.0	118.7	111.0	106.2	105.2
70°	297.2	260.9	222.9	187.3	160.4	141.3	127.9	117.8	110.4	106.2	106.3
72.5°	298.0	260.7	222.1	186.3	159.1	140.0	126.7	116.9	109.5	105.6	105.9
75°	298.8	260.2	222.5	185.4	157.8	138.8	125.5	116.0	108.7	105.0	105.4
77.5°	299.3	259.7	221.2	184.4	156.7	137.7	124.5	115.2	108.0	104.4	104.8
80°	299.7	260.2	219.9	183.4	155.5	136.6	123.5	114.5	107.3	103.9	104.2
82.5°	301.0	258.7	218.6	182.4	154.5	135.7	122.6	113.9	106.7	103.4	103.5
85°	300.4	257.3	217.2	181.5	153.5	134.8	121.8	113.4	106.2	102.9	102.8
87.5°	299.7	255.9	215.9	180.5	152.5	133.9	121.1	112.9	105.7	102.5	102.0
90°	299.1	254.5	214.6	179.5	151.6	133.2	120.4	112.5	105.3	102.1	101.3
92.5°	299.7	255.9	215.9	180.5	152.5	133.9	121.1	112.9	105.7	102.5	102.0
95°	300.4	257.3	217.2	181.5	153.5	134.8	121.8	113.4	106.2	102.9	102.8
97.5°	301.0	258.7	218.6	182.4	154.5	135.7	122.6	113.9	106.7	103.4	103.5
100°	299.7	260.2	219.9	183.4	155.5	136.6	123.5	114.5	107.3	103.9	104.2
102.5°	299.3	259.7	221.2	184.4	156.7	137.7	124.5	115.2	108.0	104.4	104.8
105°	298.8	260.2	222.5	185.4	157.8	138.8	125.5	116.0	108.7	105.0	105.4
107.5°	298.0	260.7	222.1	186.3	159.1	140.0	126.7	116.9	109.5	105.6	105.9
110°	297.2	260.9	222.9	187.3	160.4	141.3	127.9	117.8	110.4	106.2	106.3



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	294.8	260.5	223.5	188.3	161.7	142.5	129.0	118.7	111.0	106.2	105.2
115°	273.9	243.1	210.3	179.3	156.5	140.2	128.2	118.4	110.3	104.7	102.1
117.5°	253.2	225.9	197.1	170.4	151.3	137.6	127.2	118.0	109.8	103.4	99.3
120°	232.7	208.9	184.1	161.4	145.9	134.9	126.2	117.8	109.5	102.3	97.0
122.5°	212.5	192.1	171.2	152.5	140.4	132.0	125.0	117.6	109.3	101.6	95.4
125°	192.7	175.6	158.4	143.5	134.8	128.9	123.6	117.4	109.3	101.4	94.5
127.5°	173.2	159.3	145.8	134.6	129.0	125.5	122.1	117.3	109.5	101.5	94.0
130°	154.2	143.4	133.4	125.6	123.0	121.8	120.3	117.2	109.7	101.8	93.9
132.5°	135.6	127.9	121.2	116.7	116.8	117.8	118.4	116.8	110.0	102.4	94.3
135°	118.6	113.1	109.3	107.7	110.4	113.3	115.4	114.1	108.1	100.2	91.6
137.5°	110.9	105.3	101.4	99.3	101.3	103.5	105.6	104.3	100.0	93.6	85.7
140°	103.2	97.4	93.5	90.9	92.3	93.8	95.4	94.5	91.7	85.9	79.5
142.5°	95.4	89.4	85.4	82.4	83.3	84.2	85.3	84.7	83.3	78.2	72.9
145°	87.3	81.3	77.3	74.0	74.4	74.7	75.3	74.9	73.5	70.1	65.9
147.5°	79.1	73.0	69.2	65.6	65.5	65.3	65.5	65.1	63.8	61.6	58.1
150°	70.6	64.6	61.0	57.2	56.7	56.0	55.8	55.4	54.2	52.7	50.0
152.5°	62.0	56.4	52.7	48.7	47.9	46.9	46.3	45.6	44.5	43.2	41.4
155°	53.1	48.1	44.3	40.3	39.2	38.0	37.0	36.0	34.9	33.6	32.2
157.5°	44.3	39.7	35.9	31.9	30.6	29.4	28.2	27.5	26.7	26.1	25.5
160°	39.0	35.4	31.9	28.4	27.4	26.3	25.3	24.6	24.0	23.3	22.8
162.5°	34.1	31.1	28.0	24.8	24.0	23.2	22.4	21.8	21.2	20.7	20.1
165°	29.4	26.7	24.0	21.3	20.7	20.1	19.5	18.9	18.4	18.0	17.5
167.5°	24.5	22.3	20.0	17.7	17.3	16.9	16.4	16.0	15.5	15.2	14.8
170°	19.7	17.9	16.0	14.2	13.9	13.6	13.3	13.0	12.7	12.3	12.0
172.5°	14.8	13.4	12.0	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.2
175°	9.9	9.0	8.0	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4
177.5°	5.0	4.5	4.0	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3
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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3
5°	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.6	4.4
7.5°	9.0	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.7	6.4
10°	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.5	9.1	8.7	8.4
12.5°	14.4	14.0	13.6	13.3	12.9	12.5	12.1	11.7	11.2	10.7	10.2
15°	17.0	16.6	16.2	15.7	15.3	14.8	14.3	13.8	13.2	12.7	12.0
17.5°	19.7	19.2	18.7	18.2	17.6	17.0	16.4	15.7	14.9	14.2	13.4
20°	22.3	21.7	21.1	20.5	19.9	19.1	18.2	17.3	16.5	15.6	14.7
22.5°	24.9	24.2	23.5	22.8	21.8	20.8	19.8	18.8	17.8	16.8	16.0
25°	30.5	28.7	26.8	24.7	23.5	22.4	21.3	20.2	19.3	18.4	17.5
27.5°	39.1	36.7	34.0	31.3	28.7	26.1	23.8	21.8	20.8	19.7	18.4
30°	47.1	43.8	40.5	37.3	34.1	31.3	28.8	26.3	23.7	21.2	19.4
32.5°	54.4	50.4	46.4	42.5	39.0	36.0	33.0	30.0	27.1	24.7	22.4
35°	61.1	56.3	51.6	47.3	43.6	40.0	36.4	33.2	30.3	27.6	25.5
37.5°	67.3	61.7	56.2	51.8	47.5	43.3	39.5	36.1	33.1	30.5	28.1
40°	73.0	66.5	60.8	55.7	50.9	46.3	42.3	38.7	35.7	32.8	30.1
42.5°	78.2	70.9	64.9	59.3	53.9	49.1	44.7	41.1	37.8	34.7	31.9
45°	83.1	75.4	68.7	62.5	56.7	51.4	47.1	43.2	39.7	36.3	33.3
47.5°	86.2	79.2	72.2	65.3	59.2	53.8	49.2	45.1	41.3	37.6	34.4
50°	86.3	80.3	74.5	68.4	62.1	56.1	51.2	46.7	42.5	38.7	35.3
52.5°	87.5	82.3	77.5	72.4	66.9	61.0	55.1	49.2	43.6	39.7	36.0
55°	89.4	85.3	81.4	77.4	72.1	66.1	59.7	53.1	47.3	41.7	36.7
57.5°	91.8	89.0	86.3	82.9	77.7	71.0	63.9	57.0	50.6	44.4	39.3
60°	94.8	93.4	92.0	88.6	83.0	75.9	67.9	60.6	53.4	47.0	41.6
62.5°	98.3	98.5	98.3	94.7	88.4	80.3	71.9	63.8	55.8	49.5	43.4
65°	102.6	104.1	105.2	101.1	93.7	84.7	75.6	66.7	58.4	51.8	45.1
67.5°	107.3	110.3	111.5	107.3	99.1	89.0	79.2	69.3	61.1	53.8	47.0
70°	109.6	114.1	116.2	112.6	104.0	93.2	82.7	71.8	63.7	55.8	49.0
72.5°	109.0	113.5	115.2	111.8	104.4	94.8	84.4	74.1	66.1	57.9	51.0
75°	108.3	112.8	114.5	111.7	104.8	95.5	84.9	74.8	66.1	58.4	51.9
77.5°	107.3	112.0	114.0	112.0	105.8	96.5	85.7	75.4	66.3	58.6	52.0
80°	106.3	111.1	113.7	112.8	107.2	97.8	86.9	76.2	66.7	59.0	52.4
82.5°	105.1	110.2	113.6	113.9	108.9	99.5	88.4	77.1	67.3	59.6	53.0
85°	103.9	109.2	113.5	115.2	111.0	101.4	90.2	78.2	68.2	60.5	53.9
87.5°	102.6	108.1	113.4	116.7	113.3	103.6	92.4	79.6	69.4	61.6	55.1
90°	101.3	106.9	113.3	118.1	115.7	106.1	94.9	81.4	71.0	63.0	56.6
92.5°	102.6	108.1	113.4	116.7	113.3	103.6	92.4	79.6	69.4	61.6	55.1
95°	103.9	109.2	113.5	115.2	111.0	101.4	90.2	78.2	68.2	60.5	53.9
97.5°	105.1	110.2	113.6	113.9	108.9	99.5	88.4	77.1	67.3	59.6	53.0
100°	106.3	111.1	113.7	112.8	107.2	97.8	86.9	76.2	66.7	59.0	52.4
102.5°	107.3	112.0	114.0	112.0	105.8	96.5	85.7	75.4	66.3	58.6	52.0
105°	108.3	112.8	114.5	111.7	104.8	95.5	84.9	74.8	66.1	58.4	51.9
107.5°	109.0	113.5	115.2	111.8	104.4	94.8	84.4	74.1	66.1	57.9	51.0
110°	109.6	114.1	116.2	112.6	104.0	93.2	82.7	71.8	63.7	55.8	49.0



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	107.3	110.3	111.5	107.3	99.1	89.0	79.2	69.3	61.1	53.8	47.0
115°	102.6	104.1	105.2	101.1	93.7	84.7	75.6	66.7	58.4	51.8	45.1
117.5°	98.3	98.5	98.3	94.7	88.4	80.3	71.9	63.8	55.8	49.5	43.4
120°	94.8	93.4	92.0	88.6	83.0	75.9	67.9	60.6	53.4	47.0	41.6
122.5°	91.8	89.0	86.3	82.9	77.7	71.0	63.9	57.0	50.6	44.4	39.3
125°	89.4	85.3	81.4	77.4	72.1	66.1	59.7	53.1	47.3	41.7	36.7
127.5°	87.5	82.3	77.5	72.4	66.9	61.0	55.1	49.2	43.6	39.7	36.0
130°	86.3	80.3	74.5	68.4	62.1	56.1	51.2	46.7	42.5	38.7	35.3
132.5°	86.2	79.2	72.2	65.3	59.2	53.8	49.2	45.1	41.3	37.6	34.4
135°	83.1	75.4	68.7	62.5	56.7	51.4	47.1	43.2	39.7	36.3	33.3
137.5°	78.2	70.9	64.9	59.3	53.9	49.1	44.7	41.1	37.8	34.7	31.9
140°	73.0	66.5	60.8	55.7	50.9	46.3	42.3	38.7	35.7	32.8	30.1
142.5°	67.3	61.7	56.2	51.8	47.5	43.3	39.5	36.1	33.1	30.5	28.1
145°	61.1	56.3	51.6	47.3	43.6	40.0	36.4	33.2	30.3	27.6	25.5
147.5°	54.4	50.4	46.4	42.5	39.0	36.0	33.0	30.0	27.1	24.7	22.4
150°	47.1	43.8	40.5	37.3	34.1	31.3	28.8	26.3	23.7	21.2	19.4
152.5°	39.1	36.7	34.0	31.3	28.7	26.1	23.8	21.8	20.8	19.7	18.4
155°	30.5	28.7	26.8	24.7	23.5	22.4	21.3	20.2	19.3	18.4	17.5
157.5°	24.9	24.2	23.5	22.8	21.8	20.8	19.8	18.8	17.8	16.8	16.0
160°	22.3	21.7	21.1	20.5	19.9	19.1	18.2	17.3	16.5	15.6	14.7
162.5°	19.7	19.2	18.7	18.2	17.6	17.0	16.4	15.7	14.9	14.2	13.4
165°	17.0	16.6	16.2	15.7	15.3	14.8	14.3	13.8	13.2	12.7	12.0
167.5°	14.4	14.0	13.6	13.3	12.9	12.5	12.1	11.7	11.2	10.7	10.2
170°	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.5	9.1	8.7	8.4
172.5°	9.0	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.7	6.4
175°	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.6	4.4
177.5°	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	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°	4.2	4.0	3.8	3.5	3.3	3.1	2.8	2.6	2.3	2.1	1.8
7.5°	6.1	5.8	5.5	5.1	4.8	4.5	4.1	3.8	3.4	3.0	2.7
10°	8.0	7.5	7.1	6.7	6.3	5.8	5.4	4.9	4.4	3.9	3.5
12.5°	9.8	9.2	8.7	8.2	7.6	7.0	6.4	5.9	5.3	4.7	4.1
15°	11.3	10.7	10.0	9.3	8.7	8.0	7.3	6.7	6.0	5.3	4.7
17.5°	12.7	11.9	11.1	10.4	9.6	8.9	8.2	7.4	6.7	6.0	5.2
20°	13.8	13.0	12.2	11.5	10.7	9.9	9.1	8.2	7.4	6.5	5.7
22.5°	15.2	14.3	13.5	12.5	11.5	10.6	9.6	8.7	7.9	7.0	6.1
25°	16.4	15.3	14.2	13.2	12.3	11.3	10.4	9.5	8.6	7.7	6.8
27.5°	17.2	16.2	15.2	14.2	13.3	12.4	11.5	10.5	9.5	8.5	7.4
30°	18.4	17.3	16.4	15.6	14.6	13.5	12.4	11.3	10.1	9.1	8.0
32.5°	20.5	18.9	17.9	16.7	15.5	14.4	13.3	12.3	11.1	9.9	8.7
35°	23.5	21.3	19.3	17.8	16.8	15.7	14.4	13.1	11.8	10.5	9.2
37.5°	25.6	23.4	21.5	19.8	17.9	16.5	15.2	14.0	12.7	11.4	10.0
40°	27.6	25.4	23.3	21.2	19.3	17.7	16.5	15.0	13.5	12.0	10.5
42.5°	29.3	26.8	24.4	22.5	20.7	19.0	17.3	15.7	14.1	12.5	11.0
45°	30.5	27.8	25.6	23.5	21.5	19.7	17.9	16.3	14.9	13.4	11.9
47.5°	31.4	28.8	26.4	24.1	21.9	19.9	18.3	17.1	15.8	13.8	11.8
50°	32.2	29.4	26.9	24.2	21.9	20.2	18.6	16.8	15.2	13.9	12.1
52.5°	32.7	29.8	26.8	24.1	22.1	20.0	17.9	16.4	15.0	13.6	11.9
55°	33.2	29.7	26.5	24.0	21.6	19.3	17.6	16.0	14.5	13.0	11.8
57.5°	34.4	29.5	26.3	23.5	20.9	19.0	17.2	15.6	14.0	12.7	11.2
60°	36.0	31.3	26.8	22.8	20.6	18.7	17.0	15.2	13.5	12.0	10.4
62.5°	37.8	32.8	28.1	24.2	20.9	18.6	16.5	14.7	13.0	11.4	9.8
65°	39.5	34.3	29.6	25.7	22.3	18.9	16.1	14.4	12.6	11.1	9.8
67.5°	41.2	35.7	31.2	27.0	23.1	19.7	16.8	14.3	12.7	11.2	9.1
70°	42.8	37.4	32.6	28.0	23.8	20.5	17.6	15.1	13.0	10.5	8.5
72.5°	44.5	39.1	33.8	28.9	24.8	21.3	18.2	15.6	12.7	10.2	8.1
75°	45.9	40.9	35.0	29.8	25.6	22.1	18.7	15.6	12.6	10.0	7.2
77.5°	46.2	40.9	35.5	30.7	26.6	22.9	18.9	15.6	12.6	9.1	6.3
80°	46.8	41.3	36.0	31.2	26.9	22.9	19.1	15.9	12.2	8.0	5.4
82.5°	47.5	41.9	36.7	31.8	27.3	22.8	19.0	15.5	11.4	7.4	4.3
85°	48.5	42.8	37.8	32.6	27.8	22.9	19.0	15.4	10.8	7.0	3.7
87.5°	49.7	44.0	39.1	33.7	28.5	23.2	19.3	15.5	10.8	6.9	3.6
90°	51.1	45.5	40.7	35.1	29.5	23.9	19.9	16.0	11.2	7.2	4.0
92.5°	49.7	44.0	39.1	33.7	28.5	23.2	19.3	15.5	10.8	6.9	3.6
95°	48.5	42.8	37.8	32.6	27.8	22.9	19.0	15.4	10.8	7.0	3.7
97.5°	47.5	41.9	36.7	31.8	27.3	22.8	19.0	15.5	11.4	7.4	4.3
100°	46.8	41.3	36.0	31.2	26.9	22.9	19.1	15.9	12.2	8.0	5.4
102.5°	46.2	40.9	35.5	30.7	26.6	22.9	18.9	15.6	12.6	9.1	6.3
105°	45.9	40.9	35.0	29.8	25.6	22.1	18.7	15.6	12.6	10.0	7.2
107.5°	44.5	39.1	33.8	28.9	24.8	21.3	18.2	15.6	12.7	10.2	8.1
110°	42.8	37.4	32.6	28.0	23.8	20.5	17.6	15.1	13.0	10.5	8.5



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	41.2	35.7	31.2	27.0	23.1	19.7	16.8	14.3	12.7	11.2	9.1
115°	39.5	34.3	29.6	25.7	22.3	18.9	16.1	14.4	12.6	11.1	9.8
117.5°	37.8	32.8	28.1	24.2	20.9	18.6	16.5	14.7	13.0	11.4	9.8
120°	36.0	31.3	26.8	22.8	20.6	18.7	17.0	15.2	13.5	12.0	10.4
122.5°	34.4	29.5	26.3	23.5	20.9	19.0	17.2	15.6	14.0	12.7	11.2
125°	33.2	29.7	26.5	24.0	21.6	19.3	17.6	16.0	14.5	13.0	11.8
127.5°	32.7	29.8	26.8	24.1	22.1	20.0	17.9	16.4	15.0	13.6	11.9
130°	32.2	29.4	26.9	24.2	21.9	20.2	18.6	16.8	15.2	13.9	12.1
132.5°	31.4	28.8	26.4	24.1	21.9	19.9	18.3	17.1	15.8	13.8	11.8
135°	30.5	27.8	25.6	23.5	21.5	19.7	17.9	16.3	14.9	13.4	11.9
137.5°	29.3	26.8	24.4	22.5	20.7	19.0	17.3	15.7	14.1	12.5	11.0
140°	27.6	25.4	23.3	21.2	19.3	17.7	16.5	15.0	13.5	12.0	10.5
142.5°	25.6	23.4	21.5	19.8	17.9	16.5	15.2	14.0	12.7	11.4	10.0
145°	23.5	21.3	19.3	17.8	16.8	15.7	14.4	13.1	11.8	10.5	9.2
147.5°	20.5	18.9	17.9	16.7	15.5	14.4	13.3	12.3	11.1	9.9	8.7
150°	18.4	17.3	16.4	15.6	14.6	13.5	12.4	11.3	10.1	9.1	8.0
152.5°	17.2	16.2	15.2	14.2	13.3	12.4	11.5	10.5	9.5	8.5	7.4
155°	16.4	15.3	14.2	13.2	12.3	11.3	10.4	9.5	8.6	7.7	6.8
157.5°	15.2	14.3	13.5	12.5	11.5	10.6	9.6	8.7	7.9	7.0	6.1
160°	13.8	13.0	12.2	11.5	10.7	9.9	9.1	8.2	7.4	6.5	5.7
162.5°	12.7	11.9	11.1	10.4	9.6	8.9	8.2	7.4	6.7	6.0	5.2
165°	11.3	10.7	10.0	9.3	8.7	8.0	7.3	6.7	6.0	5.3	4.7
167.5°	9.8	9.2	8.7	8.2	7.6	7.0	6.4	5.9	5.3	4.7	4.1
170°	8.0	7.5	7.1	6.7	6.3	5.8	5.4	4.9	4.4	3.9	3.5
172.5°	6.1	5.8	5.5	5.1	4.8	4.5	4.1	3.8	3.4	3.0	2.7
175°	4.2	4.0	3.8	3.5	3.3	3.1	2.8	2.6	2.3	2.1	1.8
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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	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°	1.6	1.3	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
7.5°	2.3	1.9	1.5	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.5
10°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
12.5°	3.5	2.9	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
15°	4.0	3.3	2.7	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.7
17.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
20°	4.9	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
22.5°	5.3	4.4	3.5	2.6	1.8	0.9	0.0	0.9	1.8	2.6	3.5
25°	5.8	4.9	3.9	3.0	2.0	1.0	0.0	1.0	2.0	3.0	3.9
27.5°	6.4	5.3	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
30°	6.9	5.8	4.7	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.7
32.5°	7.4	6.2	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
35°	8.0	6.7	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
37.5°	8.6	7.2	5.7	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.7
40°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
42.5°	9.5	8.0	6.4	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.4
45°	10.1	8.3	6.5	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.5
47.5°	10.0	8.3	6.6	5.0	3.3	1.6	0.0	1.6	3.3	5.0	6.6
50°	10.3	8.4	6.6	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.6
52.5°	9.9	8.2	6.6	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.6
55°	10.2	8.3	6.4	4.7	3.1	1.5	0.0	1.5	3.1	4.7	6.4
57.5°	9.7	7.8	6.0	4.4	2.8	1.4	0.0	1.4	2.8	4.4	6.0
60°	8.9	7.2	5.7	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.7
62.5°	8.5	7.2	5.4	3.9	2.5	1.2	0.0	1.2	2.5	3.9	5.4
65°	8.0	6.3	4.7	3.2	2.0	1.0	0.0	1.0	2.0	3.2	4.7
67.5°	7.2	5.5	3.9	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.9
70°	6.6	4.9	3.5	2.2	1.4	1.0	0.8	1.0	1.4	2.2	3.5
72.5°	5.9	4.2	2.6	1.6	1.3	1.1	0.8	1.1	1.3	1.6	2.6
75°	5.4	3.5	2.2	1.4	1.0	0.8	0.8	0.8	1.0	1.4	2.2
77.5°	4.4	2.5	1.3	0.7	0.3	0.1	0.0	0.1	0.3	0.7	1.3
80°	2.9	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
82.5°	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.9	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
102.5°	4.4	2.5	1.3	0.7	0.3	0.1	0.0	0.1	0.3	0.7	1.3
105°	5.4	3.5	2.2	1.4	1.0	0.8	0.8	0.8	1.0	1.4	2.2
107.5°	5.9	4.2	2.6	1.6	1.3	1.1	0.8	1.1	1.3	1.6	2.6
110°	6.6	4.9	3.5	2.2	1.4	1.0	0.8	1.0	1.4	2.2	3.5



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	7.2	5.5	3.9	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.9
115°	8.0	6.3	4.7	3.2	2.0	1.0	0.0	1.0	2.0	3.2	4.7
117.5°	8.5	7.2	5.4	3.9	2.5	1.2	0.0	1.2	2.5	3.9	5.4
120°	8.9	7.2	5.7	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.7
122.5°	9.7	7.8	6.0	4.4	2.8	1.4	0.0	1.4	2.8	4.4	6.0
125°	10.2	8.3	6.4	4.7	3.1	1.5	0.0	1.5	3.1	4.7	6.4
127.5°	9.9	8.2	6.6	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.6
130°	10.3	8.4	6.6	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.6
132.5°	10.0	8.3	6.6	5.0	3.3	1.6	0.0	1.6	3.3	5.0	6.6
135°	10.1	8.3	6.5	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.5
137.5°	9.5	8.0	6.4	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.4
140°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
142.5°	8.6	7.2	5.7	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.7
145°	8.0	6.7	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
147.5°	7.4	6.2	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
150°	6.9	5.8	4.7	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.7
152.5°	6.4	5.3	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
155°	5.8	4.9	3.9	3.0	2.0	1.0	0.0	1.0	2.0	3.0	3.9
157.5°	5.3	4.4	3.5	2.6	1.8	0.9	0.0	0.9	1.8	2.6	3.5
160°	4.9	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
162.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
165°	4.0	3.3	2.7	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.7
167.5°	3.5	2.9	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
170°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
172.5°	2.3	1.9	1.5	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.5
175°	1.6	1.3	1.1	0.8	0.5	0.3	0.0	0.3	0.5	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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	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°	1.3	1.6	1.8	2.1	2.3	2.6	2.8	3.1	3.3	3.5	3.8
7.5°	1.9	2.3	2.7	3.0	3.4	3.8	4.1	4.5	4.8	5.1	5.5
10°	2.5	3.0	3.5	3.9	4.4	4.9	5.4	5.8	6.3	6.7	7.1
12.5°	2.9	3.5	4.1	4.7	5.3	5.9	6.4	7.0	7.6	8.2	8.7
15°	3.3	4.0	4.7	5.3	6.0	6.7	7.3	8.0	8.7	9.3	10.0
17.5°	3.8	4.5	5.2	6.0	6.7	7.4	8.2	8.9	9.6	10.4	11.1
20°	4.0	4.9	5.7	6.5	7.4	8.2	9.1	9.9	10.7	11.5	12.2
22.5°	4.4	5.3	6.1	7.0	7.9	8.7	9.6	10.6	11.5	12.5	13.5
25°	4.9	5.8	6.8	7.7	8.6	9.5	10.4	11.3	12.3	13.2	14.2
27.5°	5.3	6.4	7.4	8.5	9.5	10.5	11.5	12.4	13.3	14.2	15.2
30°	5.8	6.9	8.0	9.1	10.1	11.3	12.4	13.5	14.6	15.6	16.4
32.5°	6.2	7.4	8.7	9.9	11.1	12.3	13.3	14.4	15.5	16.7	17.9
35°	6.7	8.0	9.2	10.5	11.8	13.1	14.4	15.7	16.8	17.8	19.3
37.5°	7.2	8.6	10.0	11.4	12.7	14.0	15.2	16.5	17.9	19.8	21.5
40°	7.5	9.0	10.5	12.0	13.5	15.0	16.5	17.7	19.3	21.2	23.3
42.5°	8.0	9.5	11.0	12.5	14.1	15.7	17.3	19.0	20.7	22.5	24.4
45°	8.3	10.1	11.9	13.4	14.9	16.3	17.9	19.7	21.5	23.5	25.6
47.5°	8.3	10.0	11.8	13.8	15.8	17.1	18.3	19.9	21.9	24.1	26.4
50°	8.4	10.3	12.1	13.9	15.2	16.8	18.6	20.2	21.9	24.2	26.9
52.5°	8.2	9.9	11.9	13.6	15.0	16.4	17.9	20.0	22.1	24.1	26.8
55°	8.3	10.2	11.8	13.0	14.5	16.0	17.6	19.3	21.6	24.0	26.5
57.5°	7.8	9.7	11.2	12.7	14.0	15.6	17.2	19.0	20.9	23.5	26.3
60°	7.2	8.9	10.4	12.0	13.5	15.2	17.0	18.7	20.6	22.8	26.8
62.5°	7.2	8.5	9.8	11.4	13.0	14.7	16.5	18.6	20.9	24.2	28.1
65°	6.3	8.0	9.8	11.1	12.6	14.4	16.1	18.9	22.3	25.7	29.6
67.5°	5.5	7.2	9.1	11.2	12.7	14.3	16.8	19.7	23.1	27.0	31.2
70°	4.9	6.6	8.5	10.5	13.0	15.1	17.6	20.5	23.8	28.0	32.6
72.5°	4.2	5.9	8.1	10.2	12.7	15.6	18.2	21.3	24.8	28.9	33.8
75°	3.5	5.4	7.2	10.0	12.6	15.6	18.7	22.1	25.6	29.8	35.0
77.5°	2.5	4.4	6.3	9.1	12.6	15.6	18.9	22.9	26.6	30.7	35.5
80°	1.4	2.9	5.4	8.0	12.2	15.9	19.1	22.9	26.9	31.2	36.0
82.5°	0.7	1.9	4.3	7.4	11.4	15.5	19.0	22.8	27.3	31.8	36.7
85°	0.3	1.4	3.7	7.0	10.8	15.4	19.0	22.9	27.8	32.6	37.8
87.5°	0.1	1.0	3.6	6.9	10.8	15.5	19.3	23.2	28.5	33.7	39.1
90°	0.0	0.8	4.0	7.2	11.2	16.0	19.9	23.9	29.5	35.1	40.7
92.5°	0.1	1.0	3.6	6.9	10.8	15.5	19.3	23.2	28.5	33.7	39.1
95°	0.3	1.4	3.7	7.0	10.8	15.4	19.0	22.9	27.8	32.6	37.8
97.5°	0.7	1.9	4.3	7.4	11.4	15.5	19.0	22.8	27.3	31.8	36.7
100°	1.4	2.9	5.4	8.0	12.2	15.9	19.1	22.9	26.9	31.2	36.0
102.5°	2.5	4.4	6.3	9.1	12.6	15.6	18.9	22.9	26.6	30.7	35.5
105°	3.5	5.4	7.2	10.0	12.6	15.6	18.7	22.1	25.6	29.8	35.0
107.5°	4.2	5.9	8.1	10.2	12.7	15.6	18.2	21.3	24.8	28.9	33.8
110°	4.9	6.6	8.5	10.5	13.0	15.1	17.6	20.5	23.8	28.0	32.6



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	5.5	7.2	9.1	11.2	12.7	14.3	16.8	19.7	23.1	27.0	31.2
115°	6.3	8.0	9.8	11.1	12.6	14.4	16.1	18.9	22.3	25.7	29.6
117.5°	7.2	8.5	9.8	11.4	13.0	14.7	16.5	18.6	20.9	24.2	28.1
120°	7.2	8.9	10.4	12.0	13.5	15.2	17.0	18.7	20.6	22.8	26.8
122.5°	7.8	9.7	11.2	12.7	14.0	15.6	17.2	19.0	20.9	23.5	26.3
125°	8.3	10.2	11.8	13.0	14.5	16.0	17.6	19.3	21.6	24.0	26.5
127.5°	8.2	9.9	11.9	13.6	15.0	16.4	17.9	20.0	22.1	24.1	26.8
130°	8.4	10.3	12.1	13.9	15.2	16.8	18.6	20.2	21.9	24.2	26.9
132.5°	8.3	10.0	11.8	13.8	15.8	17.1	18.3	19.9	21.9	24.1	26.4
135°	8.3	10.1	11.9	13.4	14.9	16.3	17.9	19.7	21.5	23.5	25.6
137.5°	8.0	9.5	11.0	12.5	14.1	15.7	17.3	19.0	20.7	22.5	24.4
140°	7.5	9.0	10.5	12.0	13.5	15.0	16.5	17.7	19.3	21.2	23.3
142.5°	7.2	8.6	10.0	11.4	12.7	14.0	15.2	16.5	17.9	19.8	21.5
145°	6.7	8.0	9.2	10.5	11.8	13.1	14.4	15.7	16.8	17.8	19.3
147.5°	6.2	7.4	8.7	9.9	11.1	12.3	13.3	14.4	15.5	16.7	17.9
150°	5.8	6.9	8.0	9.1	10.1	11.3	12.4	13.5	14.6	15.6	16.4
152.5°	5.3	6.4	7.4	8.5	9.5	10.5	11.5	12.4	13.3	14.2	15.2
155°	4.9	5.8	6.8	7.7	8.6	9.5	10.4	11.3	12.3	13.2	14.2
157.5°	4.4	5.3	6.1	7.0	7.9	8.7	9.6	10.6	11.5	12.5	13.5
160°	4.0	4.9	5.7	6.5	7.4	8.2	9.1	9.9	10.7	11.5	12.2
162.5°	3.8	4.5	5.2	6.0	6.7	7.4	8.2	8.9	9.6	10.4	11.1
165°	3.3	4.0	4.7	5.3	6.0	6.7	7.3	8.0	8.7	9.3	10.0
167.5°	2.9	3.5	4.1	4.7	5.3	5.9	6.4	7.0	7.6	8.2	8.7
170°	2.5	3.0	3.5	3.9	4.4	4.9	5.4	5.8	6.3	6.7	7.1
172.5°	1.9	2.3	2.7	3.0	3.4	3.8	4.1	4.5	4.8	5.1	5.5
175°	1.3	1.6	1.8	2.1	2.3	2.6	2.8	3.1	3.3	3.5	3.8
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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1
5°	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9
7.5°	5.8	6.1	6.4	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6
10°	7.5	8.0	8.4	8.7	9.1	9.5	9.8	10.1	10.5	10.8	11.1
12.5°	9.2	9.8	10.2	10.7	11.2	11.7	12.1	12.5	12.9	13.3	13.6
15°	10.7	11.3	12.0	12.7	13.2	13.8	14.3	14.8	15.3	15.7	16.2
17.5°	11.9	12.7	13.4	14.2	14.9	15.7	16.4	17.0	17.6	18.2	18.7
20°	13.0	13.8	14.7	15.6	16.5	17.3	18.2	19.1	19.9	20.5	21.1
22.5°	14.3	15.2	16.0	16.8	17.8	18.8	19.8	20.8	21.8	22.8	23.5
25°	15.3	16.4	17.5	18.4	19.3	20.2	21.3	22.4	23.5	24.7	26.8
27.5°	16.2	17.2	18.4	19.7	20.8	21.8	23.8	26.1	28.7	31.3	34.0
30°	17.3	18.4	19.4	21.2	23.7	26.3	28.8	31.3	34.1	37.3	40.5
32.5°	18.9	20.5	22.4	24.7	27.1	30.0	33.0	36.0	39.0	42.5	46.4
35°	21.3	23.5	25.5	27.6	30.3	33.2	36.4	40.0	43.6	47.3	51.6
37.5°	23.4	25.6	28.1	30.5	33.1	36.1	39.5	43.3	47.5	51.8	56.2
40°	25.4	27.6	30.1	32.8	35.7	38.7	42.3	46.3	50.9	55.7	60.8
42.5°	26.8	29.3	31.9	34.7	37.8	41.1	44.7	49.1	53.9	59.3	64.9
45°	27.8	30.5	33.3	36.3	39.7	43.2	47.1	51.4	56.7	62.5	68.7
47.5°	28.8	31.4	34.4	37.6	41.3	45.1	49.2	53.8	59.2	65.3	72.2
50°	29.4	32.2	35.3	38.7	42.5	46.7	51.2	56.1	62.1	68.4	74.5
52.5°	29.8	32.7	36.0	39.7	43.6	49.2	55.1	61.0	66.9	72.4	77.5
55°	29.7	33.2	36.7	41.7	47.3	53.1	59.7	66.1	72.1	77.4	81.4
57.5°	29.5	34.4	39.3	44.4	50.6	57.0	63.9	71.0	77.7	82.9	86.3
60°	31.3	36.0	41.6	47.0	53.4	60.6	67.9	75.9	83.0	88.6	92.0
62.5°	32.8	37.8	43.4	49.5	55.8	63.8	71.9	80.3	88.4	94.7	98.3
65°	34.3	39.5	45.1	51.8	58.4	66.7	75.6	84.7	93.7	101.1	105.2
67.5°	35.7	41.2	47.0	53.8	61.1	69.3	79.2	89.0	99.1	107.3	111.5
70°	37.4	42.8	49.0	55.8	63.7	71.8	82.7	93.2	104.0	112.6	116.2
72.5°	39.1	44.5	51.0	57.9	66.1	74.1	84.4	94.8	104.4	111.8	115.2
75°	40.9	45.9	51.9	58.4	66.1	74.8	84.9	95.5	104.8	111.7	114.5
77.5°	40.9	46.2	52.0	58.6	66.3	75.4	85.7	96.5	105.8	112.0	114.0
80°	41.3	46.8	52.4	59.0	66.7	76.2	86.9	97.8	107.2	112.8	113.7
82.5°	41.9	47.5	53.0	59.6	67.3	77.1	88.4	99.4	108.9	113.9	113.6
85°	42.8	48.5	53.9	60.5	68.2	78.2	90.2	101.4	111.0	115.2	113.5
87.5°	44.0	49.7	55.1	61.6	69.4	79.6	92.4	103.6	113.3	116.7	113.4
90°	45.5	51.1	56.6	63.0	71.0	81.4	94.9	106.1	115.7	118.1	113.3
92.5°	44.0	49.7	55.1	61.6	69.4	79.6	92.4	103.6	113.3	116.7	113.4
95°	42.8	48.5	53.9	60.5	68.2	78.2	90.2	101.4	111.0	115.2	113.5
97.5°	41.9	47.5	53.0	59.6	67.3	77.1	88.4	99.4	108.9	113.9	113.6
100°	41.3	46.8	52.4	59.0	66.7	76.2	86.9	97.8	107.2	112.8	113.7
102.5°	40.9	46.2	52.0	58.6	66.3	75.4	85.7	96.5	105.8	112.0	114.0
105°	40.9	45.9	51.9	58.4	66.1	74.8	84.9	95.5	104.8	111.7	114.5
107.5°	39.1	44.5	51.0	57.9	66.1	74.1	84.4	94.8	104.4	111.8	115.2
110°	37.4	42.8	49.0	55.8	63.7	71.8	82.7	93.2	104.0	112.6	116.2



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	35.7	41.2	47.0	53.8	61.1	69.3	79.2	89.0	99.1	107.3	111.5
115°	34.3	39.5	45.1	51.8	58.4	66.7	75.6	84.7	93.7	101.1	105.2
117.5°	32.8	37.8	43.4	49.5	55.8	63.8	71.9	80.3	88.4	94.7	98.3
120°	31.3	36.0	41.6	47.0	53.4	60.6	67.9	75.9	83.0	88.6	92.0
122.5°	29.5	34.4	39.3	44.4	50.6	57.0	63.9	71.0	77.7	82.9	86.3
125°	29.7	33.2	36.7	41.7	47.3	53.1	59.7	66.1	72.1	77.4	81.4
127.5°	29.8	32.7	36.0	39.7	43.6	49.2	55.1	61.0	66.9	72.4	77.5
130°	29.4	32.2	35.3	38.7	42.5	46.7	51.2	56.1	62.1	68.4	74.5
132.5°	28.8	31.4	34.4	37.6	41.3	45.1	49.2	53.8	59.2	65.3	72.2
135°	27.8	30.5	33.3	36.3	39.7	43.2	47.1	51.4	56.7	62.5	68.7
137.5°	26.8	29.3	31.9	34.7	37.8	41.1	44.7	49.1	53.9	59.3	64.9
140°	25.4	27.6	30.1	32.8	35.7	38.7	42.3	46.3	50.9	55.7	60.8
142.5°	23.4	25.6	28.1	30.5	33.1	36.1	39.5	43.3	47.5	51.8	56.2
145°	21.3	23.5	25.5	27.6	30.3	33.2	36.4	40.0	43.6	47.3	51.6
147.5°	18.9	20.5	22.4	24.7	27.1	30.0	33.0	36.0	39.0	42.5	46.4
150°	17.3	18.4	19.4	21.2	23.7	26.3	28.8	31.3	34.1	37.3	40.5
152.5°	16.2	17.2	18.4	19.7	20.8	21.8	23.8	26.1	28.7	31.3	34.0
155°	15.3	16.4	17.5	18.4	19.3	20.2	21.3	22.4	23.5	24.7	26.8
157.5°	14.3	15.2	16.0	16.8	17.8	18.8	19.8	20.8	21.8	22.8	23.5
160°	13.0	13.8	14.7	15.6	16.5	17.3	18.2	19.1	19.9	20.5	21.1
162.5°	11.9	12.7	13.4	14.2	14.9	15.7	16.4	17.0	17.6	18.2	18.7
165°	10.7	11.3	12.0	12.7	13.2	13.8	14.3	14.8	15.3	15.7	16.2
167.5°	9.2	9.8	10.2	10.7	11.2	11.7	12.1	12.5	12.9	13.3	13.6
170°	7.5	8.0	8.4	8.7	9.1	9.5	9.8	10.1	10.5	10.8	11.1
172.5°	5.8	6.1	6.4	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6
175°	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9
177.5°	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.5	4.0
5°	6.0	6.2	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	8.0
7.5°	8.8	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5	10.6	12.1
10°	11.5	11.8	12.0	12.3	12.7	13.0	13.3	13.6	13.9	14.2	16.0
12.5°	14.0	14.4	14.8	15.2	15.5	16.0	16.4	16.9	17.3	17.7	20.0
15°	16.6	17.0	17.5	18.0	18.4	18.9	19.5	20.1	20.7	21.3	24.0
17.5°	19.2	19.7	20.1	20.7	21.2	21.8	22.4	23.2	24.0	24.8	28.0
20°	21.7	22.3	22.8	23.3	24.0	24.6	25.3	26.3	27.4	28.4	31.9
22.5°	24.2	24.9	25.5	26.1	26.7	27.5	28.2	29.4	30.6	31.9	35.9
25°	28.7	30.5	32.2	33.6	34.9	36.0	37.0	38.0	39.2	40.3	44.3
27.5°	36.7	39.1	41.4	43.2	44.5	45.6	46.3	46.9	47.9	48.7	52.7
30°	43.8	47.1	50.0	52.7	54.2	55.4	55.8	56.0	56.7	57.2	61.0
32.5°	50.4	54.4	58.1	61.6	63.8	65.1	65.5	65.3	65.5	65.6	69.2
35°	56.3	61.1	65.9	70.1	73.5	74.9	75.3	74.7	74.4	74.0	77.3
37.5°	61.7	67.3	72.9	78.2	83.3	84.7	85.3	84.2	83.3	82.4	85.4
40°	66.5	73.0	79.5	85.9	91.7	94.5	95.4	93.8	92.3	90.9	93.5
42.5°	70.9	78.2	85.7	93.6	100.0	104.3	105.6	103.5	101.3	99.3	101.4
45°	75.4	83.1	91.6	100.2	108.1	114.1	115.4	113.3	110.4	107.7	109.3
47.5°	79.2	86.2	94.3	102.4	110.0	116.8	118.4	117.8	116.8	116.7	121.2
50°	80.3	86.3	93.9	101.8	109.7	117.2	120.3	121.8	123.0	125.6	133.4
52.5°	82.3	87.5	94.0	101.5	109.5	117.3	122.1	125.5	129.0	134.6	145.8
55°	85.3	89.4	94.5	101.4	109.3	117.4	123.6	128.9	134.8	143.5	158.4
57.5°	89.0	91.8	95.4	101.6	109.3	117.6	125.0	132.0	140.4	152.5	171.2
60°	93.4	94.8	97.0	102.3	109.5	117.8	126.2	134.9	145.9	161.4	184.1
62.5°	98.5	98.3	99.3	103.4	109.8	118.0	127.2	137.6	151.3	170.4	197.1
65°	104.1	102.6	102.1	104.7	110.3	118.4	128.2	140.2	156.5	179.3	210.3
67.5°	110.3	107.3	105.2	106.2	111.0	118.7	129.0	142.5	161.7	188.3	223.5
70°	114.1	109.6	106.3	106.2	110.4	117.8	127.9	141.3	160.4	187.3	222.9
72.5°	113.5	109.0	105.9	105.6	109.5	116.9	126.7	140.0	159.1	186.3	222.1
75°	112.8	108.3	105.4	105.0	108.7	116.0	125.5	138.8	157.8	185.4	222.5
77.5°	112.0	107.3	104.8	104.4	108.0	115.2	124.5	137.7	156.7	184.4	221.2
80°	111.1	106.3	104.2	103.9	107.3	114.5	123.5	136.6	155.5	183.4	219.9
82.5°	110.2	105.1	103.5	103.4	106.7	113.9	122.6	135.7	154.5	182.4	218.6
85°	109.2	103.9	102.8	102.9	106.2	113.4	121.8	134.8	153.5	181.5	217.2
87.5°	108.1	102.6	102.0	102.5	105.7	112.9	121.1	133.9	152.5	180.5	215.9
90°	106.9	101.3	101.3	102.1	105.3	112.5	120.4	133.2	151.6	179.5	214.6
92.5°	108.1	102.6	102.0	102.5	105.7	112.9	121.1	133.9	152.5	180.5	215.9
95°	109.2	103.9	102.8	102.9	106.2	113.4	121.8	134.8	153.5	181.5	217.2
97.5°	110.2	105.1	103.5	103.4	106.7	113.9	122.6	135.7	154.5	182.4	218.6
100°	111.1	106.3	104.2	103.9	107.3	114.5	123.5	136.6	155.5	183.4	219.9
102.5°	112.0	107.3	104.8	104.4	108.0	115.2	124.5	137.7	156.7	184.4	221.2
105°	112.8	108.3	105.4	105.0	108.7	116.0	125.5	138.8	157.8	185.4	222.5
107.5°	113.5	109.0	105.9	105.6	109.5	116.9	126.7	140.0	159.1	186.3	222.1
110°	114.1	109.6	106.3	106.2	110.4	117.8	127.9	141.3	160.4	187.3	222.9



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	110.3	107.3	105.2	106.2	111.0	118.7	129.0	142.5	161.7	188.3	223.5
115°	104.1	102.6	102.1	104.7	110.3	118.4	128.2	140.2	156.5	179.3	210.3
117.5°	98.5	98.3	99.3	103.4	109.8	118.0	127.2	137.6	151.3	170.4	197.1
120°	93.4	94.8	97.0	102.3	109.5	117.8	126.2	134.9	145.9	161.4	184.1
122.5°	89.0	91.8	95.4	101.6	109.3	117.6	125.0	132.0	140.4	152.5	171.2
125°	85.3	89.4	94.5	101.4	109.3	117.4	123.6	128.9	134.8	143.5	158.4
127.5°	82.3	87.5	94.0	101.5	109.5	117.3	122.1	125.5	129.0	134.6	145.8
130°	80.3	86.3	93.9	101.8	109.7	117.2	120.3	121.8	123.0	125.6	133.4
132.5°	79.2	86.2	94.3	102.4	110.0	116.8	118.4	117.8	116.8	116.7	121.2
135°	75.4	83.1	91.6	100.2	108.1	114.1	115.4	113.3	110.4	107.7	109.3
137.5°	70.9	78.2	85.7	93.6	100.0	104.3	105.6	103.5	101.3	99.3	101.4
140°	66.5	73.0	79.5	85.9	91.7	94.5	95.4	93.8	92.3	90.9	93.5
142.5°	61.7	67.3	72.9	78.2	83.3	84.7	85.3	84.2	83.3	82.4	85.4
145°	56.3	61.1	65.9	70.1	73.5	74.9	75.3	74.7	74.4	74.0	77.3
147.5°	50.4	54.4	58.1	61.6	63.8	65.1	65.5	65.3	65.5	65.6	69.2
150°	43.8	47.1	50.0	52.7	54.2	55.4	55.8	56.0	56.7	57.2	61.0
152.5°	36.7	39.1	41.4	43.2	44.5	45.6	46.3	46.9	47.9	48.7	52.7
155°	28.7	30.5	32.2	33.6	34.9	36.0	37.0	38.0	39.2	40.3	44.3
157.5°	24.2	24.9	25.5	26.1	26.7	27.5	28.2	29.4	30.6	31.9	35.9
160°	21.7	22.3	22.8	23.3	24.0	24.6	25.3	26.3	27.4	28.4	31.9
162.5°	19.2	19.7	20.1	20.7	21.2	21.8	22.4	23.2	24.0	24.8	28.0
165°	16.6	17.0	17.5	18.0	18.4	18.9	19.5	20.1	20.7	21.3	24.0
167.5°	14.0	14.4	14.8	15.2	15.5	16.0	16.4	16.9	17.3	17.7	20.0
170°	11.5	11.8	12.0	12.3	12.7	13.0	13.3	13.6	13.9	14.2	16.0
172.5°	8.8	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5	10.6	12.1
175°	6.0	6.2	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	8.0
177.5°	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.5	4.0
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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.5	5.0	5.4	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.6
5°	9.0	9.9	10.8	11.7	12.6	13.4	14.2	15.0	15.7	16.5	17.2
7.5°	13.4	14.8	16.2	17.5	18.7	20.0	21.3	22.7	24.2	25.5	26.8
10°	17.9	19.7	21.5	23.2	25.0	27.1	29.2	31.2	33.1	34.9	36.8
12.5°	22.3	24.5	26.7	29.1	31.9	34.6	37.2	39.7	42.1	44.3	46.5
15°	26.7	29.4	32.1	35.5	38.9	42.2	45.4	48.2	51.0	53.7	56.6
17.5°	31.1	34.1	37.9	42.0	46.0	49.8	53.3	56.7	59.9	63.0	65.9
20°	35.4	39.0	43.8	48.6	53.2	57.3	61.3	65.1	68.8	72.3	75.6
22.5°	39.7	44.3	49.8	55.2	60.1	64.7	69.2	73.6	77.8	81.6	84.4
25°	48.1	53.1	58.7	64.0	68.9	73.7	78.3	82.8	86.7	89.7	92.9
27.5°	56.4	62.0	67.7	73.1	78.3	83.3	88.2	92.8	96.1	99.3	100.6
30°	64.6	70.6	76.6	82.0	87.7	92.7	97.8	101.7	105.3	107.2	108.4
32.5°	73.0	79.1	85.0	90.7	96.3	101.8	106.5	110.5	113.4	115.1	116.4
35°	81.3	87.3	93.3	99.1	104.9	110.9	115.0	119.0	121.2	123.0	124.5
37.5°	89.4	95.4	101.4	107.4	113.3	118.7	123.3	126.6	129.4	131.0	132.8
40°	97.4	103.2	109.4	115.4	121.4	126.6	131.2	134.5	137.0	138.9	141.6
42.5°	105.3	110.9	117.2	123.3	129.3	134.4	138.8	142.5	144.7	147.2	150.0
45°	113.1	118.6	124.8	130.9	136.8	142.1	146.6	150.1	152.5	155.2	158.4
47.5°	127.9	135.6	143.1	148.2	152.0	154.9	157.2	158.4	160.2	163.1	166.5
50°	143.4	154.2	164.1	169.0	171.7	173.2	174.0	174.1	174.6	175.6	177.1
52.5°	159.3	173.2	184.7	189.6	190.8	190.6	189.9	189.3	189.8	191.3	194.0
55°	175.6	192.7	205.3	209.7	209.3	207.1	205.2	204.4	204.9	206.8	210.7
57.5°	192.1	212.5	225.8	229.0	227.2	222.9	220.1	219.3	220.3	222.8	227.5
60°	208.9	232.7	246.1	248.0	244.3	238.1	234.5	234.0	235.5	239.0	244.9
62.5°	225.9	253.2	266.4	266.7	260.8	253.2	248.8	248.5	250.6	255.1	262.0
65°	243.1	273.9	286.6	285.0	276.8	268.0	263.5	263.3	265.7	271.1	278.6
67.5°	260.5	294.8	306.7	303.1	292.5	282.6	278.0	278.2	281.3	287.1	294.7
70°	260.9	297.2	311.6	311.3	301.7	292.7	289.3	290.9	295.6	302.7	310.5
72.5°	260.7	298.0	314.7	317.7	308.7	300.2	297.6	300.1	305.8	313.3	321.8
75°	260.2	298.8	318.2	324.8	315.9	307.7	305.9	309.5	315.9	323.6	332.5
77.5°	259.7	299.3	321.9	332.3	323.4	315.4	314.2	318.9	325.8	333.6	343.1
80°	260.2	299.7	325.7	340.2	331.0	323.1	322.5	328.3	335.6	343.4	353.5
82.5°	258.7	301.0	330.6	348.3	338.7	330.9	330.9	337.7	345.3	353.0	363.6
85°	257.3	300.4	333.9	356.9	346.4	338.6	339.2	347.3	354.8	362.4	373.5
87.5°	255.9	299.7	337.3	364.7	354.7	346.8	347.5	356.3	364.2	371.6	383.3
90°	254.5	299.1	340.6	372.5	362.9	355.0	355.8	365.3	373.3	380.5	392.5
92.5°	255.9	299.7	337.3	364.7	354.7	346.8	347.5	356.3	364.2	371.6	383.3
95°	257.3	300.4	333.9	356.9	346.4	338.6	339.2	347.3	354.8	362.4	373.5
97.5°	258.7	301.0	330.6	348.3	338.7	330.9	330.9	337.7	345.3	353.0	363.6
100°	260.2	299.7	325.7	340.2	331.0	323.1	322.5	328.3	335.6	343.4	353.5
102.5°	259.7	299.3	321.9	332.3	323.4	315.4	314.2	318.9	325.8	333.6	343.1
105°	260.2	298.8	318.2	324.8	315.9	307.7	305.9	309.5	315.9	323.6	332.5
107.5°	260.7	298.0	314.7	317.7	308.7	300.2	297.6	300.1	305.8	313.3	321.8
110°	260.9	297.2	311.6	311.3	301.7	292.7	289.3	290.9	295.6	302.7	310.5



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	260.5	294.8	306.7	303.1	292.5	282.6	278.0	278.2	281.3	287.1	294.7
115°	243.1	273.9	286.6	285.0	276.8	268.0	263.5	263.3	265.7	271.1	278.6
117.5°	225.9	253.2	266.4	266.7	260.8	253.2	248.8	248.5	250.6	255.1	262.0
120°	208.9	232.7	246.1	248.0	244.3	238.1	234.5	234.0	235.5	239.0	244.9
122.5°	192.1	212.5	225.8	229.0	227.2	222.9	220.1	219.3	220.3	222.8	227.5
125°	175.6	192.7	205.3	209.7	209.3	207.1	205.2	204.4	204.9	206.8	210.7
127.5°	159.3	173.2	184.7	189.6	190.8	190.6	189.9	189.3	189.8	191.3	194.0
130°	143.4	154.2	164.1	169.0	171.7	173.2	174.0	174.1	174.6	175.6	177.1
132.5°	127.9	135.6	143.1	148.2	152.0	154.9	157.2	158.4	160.2	163.1	166.5
135°	113.1	118.6	124.8	130.9	136.8	142.1	146.6	150.1	152.5	155.2	158.4
137.5°	105.3	110.9	117.2	123.3	129.3	134.4	138.8	142.5	144.7	147.2	150.0
140°	97.4	103.2	109.4	115.4	121.4	126.6	131.2	134.5	137.0	138.9	141.6
142.5°	89.4	95.4	101.4	107.4	113.3	118.7	123.3	126.6	129.4	131.0	132.8
145°	81.3	87.3	93.3	99.1	104.9	110.9	115.0	119.0	121.2	123.0	124.5
147.5°	73.0	79.1	85.0	90.7	96.3	101.8	106.5	110.5	113.4	115.1	116.4
150°	64.6	70.6	76.6	82.0	87.7	92.7	97.8	101.7	105.3	107.2	108.4
152.5°	56.4	62.0	67.7	73.1	78.3	83.3	88.2	92.8	96.1	99.3	100.6
155°	48.1	53.1	58.7	64.0	68.9	73.7	78.3	82.8	86.7	89.7	92.9
157.5°	39.7	44.3	49.8	55.2	60.1	64.7	69.2	73.6	77.8	81.6	84.4
160°	35.4	39.0	43.8	48.6	53.2	57.3	61.3	65.1	68.8	72.3	75.6
162.5°	31.1	34.1	37.9	42.0	46.0	49.8	53.3	56.7	59.9	63.0	65.9
165°	26.7	29.4	32.1	35.5	38.9	42.2	45.4	48.2	51.0	53.7	56.6
167.5°	22.3	24.5	26.7	29.1	31.9	34.6	37.2	39.7	42.1	44.3	46.5
170°	17.9	19.7	21.5	23.2	25.0	27.1	29.2	31.2	33.1	34.9	36.8
172.5°	13.4	14.8	16.2	17.5	18.7	20.0	21.3	22.7	24.2	25.5	26.8
175°	9.0	9.9	10.8	11.7	12.6	13.4	14.2	15.0	15.7	16.5	17.2
177.5°	4.5	5.0	5.4	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	9.0	9.3	9.6	9.9	10.1	10.4	10.6	10.8	11.0	11.2	11.3
5°	18.0	18.8	19.5	20.2	20.9	21.5	22.1	22.6	23.0	23.5	23.8
7.5°	28.1	29.3	30.4	31.5	32.5	33.4	34.2	34.9	35.6	36.2	36.8
10°	38.3	39.9	41.3	42.7	44.0	45.2	46.3	47.2	48.0	48.7	49.3
12.5°	48.5	50.4	52.3	53.8	55.3	56.6	57.8	58.9	59.9	60.7	61.3
15°	58.6	60.8	62.8	64.7	66.4	67.8	69.1	70.3	71.3	72.3	73.1
17.5°	68.6	71.5	73.2	75.1	76.8	78.4	79.9	81.3	82.7	84.1	85.4
20°	78.3	80.6	82.8	84.8	86.3	87.9	89.6	91.3	93.2	95.2	97.2
22.5°	87.2	89.5	91.0	92.5	94.2	96.2	98.3	100.5	103.0	106.2	109.4
25°	94.6	95.9	97.5	99.1	101.1	103.3	106.7	110.3	114.0	117.9	122.1
27.5°	101.3	101.9	102.6	104.4	107.7	111.5	115.9	120.3	125.1	130.0	135.1
30°	109.4	110.2	111.3	113.6	115.9	119.6	124.9	130.2	136.2	142.2	148.5
32.5°	117.5	119.2	121.7	124.4	128.1	131.7	135.7	140.3	147.4	155.8	164.2
35°	126.3	129.0	132.1	136.0	140.1	144.8	149.3	156.1	162.5	172.8	186.2
37.5°	135.6	138.8	142.8	147.3	152.4	158.5	166.1	174.8	187.1	200.2	212.9
40°	144.6	148.7	153.3	158.7	165.9	174.2	186.0	199.5	214.6	230.5	246.2
42.5°	153.8	158.2	163.9	171.4	180.5	193.9	208.5	226.6	245.8	263.3	281.6
45°	162.4	168.1	175.2	185.0	198.8	214.4	234.7	254.7	275.6	297.2	320.5
47.5°	171.4	177.4	187.8	201.0	217.4	238.9	260.7	283.3	308.3	334.3	360.3
50°	180.6	189.0	200.9	217.8	239.3	262.6	286.7	314.0	344.3	372.0	400.4
52.5°	198.2	206.4	219.0	236.1	261.9	285.9	314.4	347.2	377.9	409.5	441.1
55°	217.2	226.8	241.4	261.7	284.6	310.1	343.3	378.0	412.2	446.0	480.7
57.5°	235.4	247.1	263.8	285.3	308.8	339.6	373.4	408.9	444.6	480.7	518.2
60°	253.5	265.9	285.1	307.3	334.0	366.2	401.5	437.9	474.6	512.1	552.0
62.5°	271.6	285.1	304.5	327.2	357.2	390.7	426.7	463.9	500.4	538.9	582.1
65°	288.4	303.2	322.9	347.3	377.8	411.9	449.5	485.3	522.1	562.7	610.5
67.5°	304.1	319.5	339.6	365.6	396.4	431.4	468.5	502.5	539.6	585.5	646.3
70°	319.5	334.4	354.6	381.3	412.2	448.6	482.7	516.4	556.0	607.2	680.2
72.5°	332.9	348.6	368.7	395.1	425.7	465.1	493.3	526.5	569.9	631.5	707.2
75°	345.1	360.9	379.6	404.0	435.0	470.4	500.6	534.1	580.0	650.2	728.6
77.5°	357.0	371.7	388.2	410.4	440.3	472.9	504.5	542.6	596.0	666.7	745.6
80°	368.4	381.2	394.6	414.7	443.0	474.2	507.1	549.1	609.2	682.6	768.9
82.5°	379.5	389.8	399.5	417.1	443.3	474.3	508.1	553.4	618.2	693.9	785.4
85°	390.1	397.5	403.1	418.1	441.6	473.1	507.6	555.4	623.1	700.4	794.8
87.5°	400.5	404.8	406.0	418.2	438.7	471.2	506.3	556.3	625.8	704.5	800.5
90°	410.0	411.6	408.4	417.2	433.9	466.6	501.7	552.0	620.6	698.8	792.9
92.5°	400.5	404.8	405.9	418.2	438.7	471.2	506.3	556.3	625.8	704.5	800.5
95°	390.1	397.5	403.1	418.1	441.6	473.1	507.6	555.4	623.1	700.4	794.8
97.5°	379.5	389.8	399.5	417.1	443.3	474.3	508.1	553.4	618.2	693.9	785.4
100°	368.4	381.2	394.6	414.7	443.0	474.2	507.1	549.1	609.2	682.6	768.9
102.5°	357.0	371.7	388.2	410.4	440.3	472.9	504.5	542.6	596.0	666.7	745.6
105°	345.1	360.9	379.6	404.0	435.0	470.4	500.6	534.1	580.0	650.2	728.6
107.5°	332.9	348.6	368.7	395.1	425.7	465.1	493.3	526.5	569.9	631.5	707.2
110°	319.5	334.4	354.6	381.3	412.2	448.6	482.7	516.4	556.0	607.2	680.2



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	304.1	319.5	339.6	365.6	396.4	431.4	468.5	502.5	539.6	585.5	646.3
115°	288.4	303.2	322.9	347.3	377.8	411.9	449.5	485.3	522.1	562.7	610.5
117.5°	271.6	285.1	304.5	327.2	357.2	390.7	426.7	463.9	500.4	538.9	582.1
120°	253.5	265.9	285.1	307.3	334.0	366.2	401.5	437.9	474.6	512.1	552.0
122.5°	235.4	247.1	263.8	285.3	308.8	339.6	373.4	408.9	444.6	480.7	518.2
125°	217.2	226.8	241.4	261.7	284.6	310.1	343.3	378.0	412.2	446.0	480.7
127.5°	198.2	206.4	219.0	236.1	261.9	285.9	314.4	347.2	377.9	409.5	441.1
130°	180.6	189.0	200.9	217.8	239.3	262.6	286.7	314.0	344.3	372.0	400.4
132.5°	171.4	177.4	187.8	201.0	217.4	238.9	260.7	283.3	308.3	334.3	360.3
135°	162.4	168.1	175.2	185.0	198.8	214.4	234.7	254.7	275.6	297.2	320.5
137.5°	153.8	158.2	163.9	171.4	180.5	193.9	208.5	226.6	245.8	263.3	281.6
140°	144.6	148.7	153.3	158.7	165.9	174.2	186.0	199.5	214.6	230.5	246.2
142.5°	135.6	138.8	142.8	147.3	152.4	158.5	166.1	174.8	187.1	200.2	212.9
145°	126.3	129.0	132.1	136.0	140.1	144.8	149.3	156.1	162.5	172.8	186.2
147.5°	117.5	119.2	121.7	124.4	128.1	131.7	135.7	140.3	147.4	155.8	164.2
150°	109.4	110.2	111.3	113.6	115.9	119.6	124.9	130.2	136.2	142.2	148.5
152.5°	101.3	101.9	102.6	104.4	107.7	111.5	115.9	120.3	125.1	130.0	135.1
155°	94.6	95.9	97.5	99.1	101.1	103.3	106.7	110.3	114.0	117.9	122.1
157.5°	87.2	89.5	91.0	92.5	94.2	96.2	98.3	100.5	103.0	106.2	109.4
160°	78.3	80.6	82.8	84.8	86.3	87.9	89.6	91.3	93.2	95.2	97.2
162.5°	68.6	71.5	73.2	75.1	76.8	78.4	79.9	81.3	82.7	84.1	85.4
165°	58.6	60.8	62.8	64.7	66.4	67.8	69.1	70.3	71.3	72.3	73.1
167.5°	48.5	50.4	52.3	53.8	55.3	56.6	57.8	58.9	59.9	60.7	61.3
170°	38.3	39.9	41.3	42.7	44.0	45.2	46.3	47.2	48.0	48.7	49.3
172.5°	28.1	29.3	30.4	31.5	32.5	33.4	34.2	34.9	35.6	36.2	36.8
175°	18.0	18.8	19.5	20.2	20.9	21.5	22.1	22.6	23.0	23.5	23.8
177.5°	9.0	9.3	9.6	9.9	10.1	10.4	10.6	10.8	11.0	11.2	11.3
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: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	11.4	11.5	11.6	11.7	11.7	11.7	12.1	11.9	11.8	11.7	11.5
5°	24.1	24.4	24.6	24.8	24.9	25.0	25.0	24.9	25.2	24.9	24.6
7.5°	37.2	37.6	37.9	38.1	38.3	38.4	38.4	38.3	38.1	38.2	37.7
10°	49.8	50.2	50.4	50.6	50.7	50.7	50.6	50.4	50.1	50.1	49.3
12.5°	61.9	62.3	62.7	62.9	63.0	63.0	62.9	62.7	62.3	61.9	61.5
15°	74.1	75.0	75.8	76.6	77.2	77.7	78.1	78.4	78.5	78.5	78.7
17.5°	86.8	88.3	89.7	91.0	92.2	93.3	94.3	95.2	95.8	96.3	97.1
20°	99.1	101.3	103.7	105.9	108.0	110.0	111.7	113.3	114.6	115.7	117.2
22.5°	112.5	115.5	118.7	121.8	124.7	127.5	130.0	132.2	134.2	135.8	137.9
25°	126.3	130.3	134.2	138.3	142.1	145.7	149.0	152.1	154.8	157.2	159.2
27.5°	140.3	145.4	150.3	155.6	161.1	166.3	171.1	175.5	179.4	182.8	185.7
30°	155.4	162.6	169.5	176.3	184.2	191.4	197.9	203.6	208.5	212.6	215.9
32.5°	173.4	184.4	194.6	204.0	213.1	221.6	229.0	235.4	240.7	245.0	248.3
35°	198.8	211.9	224.3	235.6	245.7	254.7	262.2	268.2	273.0	276.4	278.6
37.5°	228.7	243.4	257.5	269.9	280.4	290.9	299.9	307.2	312.7	316.6	318.9
40°	262.5	278.8	295.3	310.3	323.3	335.7	347.7	358.1	366.9	373.8	378.7
42.5°	301.4	320.6	338.8	356.7	373.3	388.9	405.0	419.3	431.6	441.8	449.6
45°	342.8	364.6	384.9	406.8	428.1	450.6	468.6	487.6	504.3	518.6	530.1
47.5°	385.2	410.6	435.4	460.1	486.7	512.2	539.3	565.5	588.0	606.6	621.1
50°	429.4	458.0	487.8	517.2	554.4	590.1	624.5	658.8	687.5	710.5	727.7
52.5°	473.5	506.3	545.1	586.5	635.4	685.4	727.7	764.7	794.6	817.3	833.2
55°	516.6	558.6	605.9	662.2	722.4	785.8	835.3	866.6	890.1	908.1	920.4
57.5°	560.0	610.3	668.0	736.4	810.2	867.2	920.0	945.3	961.1	973.1	981.1
60°	600.3	657.9	730.3	803.3	871.5	928.5	972.5	999.8	1014.1	1025.3	1033.1
62.5°	634.1	707.1	785.5	862.2	926.3	979.4	1018.4	1045.8	1060.1	1071.6	1079.9
65°	676.7	752.7	838.2	916.4	982.1	1033.7	1063.5	1085.7	1099.6	1109.8	1117.5
67.5°	720.0	803.3	892.5	975.7	1041.1	1076.5	1101.3	1117.9	1131.2	1142.6	1151.1
70°	759.6	850.5	943.6	1032.0	1081.6	1109.6	1130.2	1146.3	1160.7	1171.5	1179.5
72.5°	793.9	890.1	986.3	1059.8	1108.0	1135.0	1153.6	1169.7	1185.0	1193.8	1201.4
75°	823.2	921.3	1014.3	1087.4	1132.9	1154.4	1171.8	1188.6	1202.3	1211.6	1220.0
77.5°	844.5	943.7	1043.9	1114.9	1149.5	1170.9	1189.0	1206.5	1219.1	1228.9	1237.2
80°	865.6	966.3	1068.2	1137.7	1164.3	1186.3	1203.8	1219.5	1233.3	1244.0	1252.9
82.5°	883.6	988.7	1088.3	1146.7	1174.6	1196.3	1213.5	1228.5	1242.3	1251.5	1263.2
85°	894.6	1001.2	1103.6	1152.9	1178.9	1201.3	1218.2	1233.7	1247.6	1258.1	1271.4
87.5°	902.0	1003.8	1112.2	1156.9	1179.7	1203.8	1218.7	1235.6	1249.9	1257.6	1272.0
90°	894.2	997.1	1112.0	1157.4	1177.4	1203.7	1216.5	1234.8	1247.6	1257.9	1269.1
92.5°	902.0	1003.8	1112.2	1156.9	1179.7	1203.8	1218.7	1235.6	1249.9	1257.6	1272.0
95°	894.6	1001.2	1103.6	1152.9	1178.9	1201.3	1218.2	1233.7	1247.6	1258.1	1271.4
97.5°	883.6	988.7	1088.3	1146.7	1174.6	1196.3	1213.5	1228.5	1242.3	1251.5	1263.2
100°	865.6	966.3	1068.2	1137.7	1164.3	1186.3	1203.8	1219.5	1233.3	1244.0	1252.9
102.5°	844.5	943.7	1043.9	1114.9	1149.5	1170.9	1189.0	1206.5	1219.1	1228.9	1237.2
105°	823.2	921.3	1014.3	1087.4	1132.9	1154.4	1171.8	1188.6	1202.3	1211.6	1220.0
107.5°	793.9	890.1	986.3	1059.8	1108.0	1135.0	1153.6	1169.7	1185.0	1193.8	1201.4
110°	759.6	850.5	943.6	1032.0	1081.6	1109.6	1130.2	1146.3	1160.7	1171.5	1179.5



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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°	720.0	803.3	892.5	975.7	1041.1	1076.5	1101.3	1117.9	1131.2	1142.6	1151.1
115°	676.7	752.7	838.2	916.4	982.1	1033.7	1063.5	1085.7	1099.6	1109.8	1117.5
117.5°	634.1	707.1	785.5	862.2	926.3	979.4	1018.4	1045.8	1060.1	1071.6	1079.9
120°	600.3	657.9	730.3	803.3	871.5	928.5	972.5	999.8	1014.1	1025.3	1033.1
122.5°	560.0	610.3	668.0	736.4	810.2	867.2	920.0	945.3	961.1	973.1	981.1
125°	516.6	558.6	605.9	662.2	722.4	785.8	835.3	866.6	890.1	908.1	920.4
127.5°	473.5	506.3	545.1	586.5	635.4	685.4	727.7	764.7	794.6	817.3	833.2
130°	429.4	458.0	487.8	517.2	554.4	590.1	624.5	658.8	687.5	710.5	727.7
132.5°	385.2	410.6	435.4	460.1	486.7	512.2	539.3	565.5	588.0	606.6	621.1
135°	342.8	364.6	384.9	406.8	428.1	450.6	468.6	487.6	504.3	518.6	530.1
137.5°	301.4	320.6	338.8	356.7	373.3	388.9	405.0	419.3	431.6	441.8	449.6
140°	262.5	278.8	295.3	310.3	323.3	335.7	347.7	358.1	366.9	373.8	378.7
142.5°	228.7	243.4	257.5	269.9	280.4	290.9	299.9	307.2	312.7	316.6	318.9
145°	198.8	211.9	224.3	235.6	245.7	254.7	262.2	268.2	273.0	276.4	278.6
147.5°	173.4	184.4	194.6	204.0	213.1	221.6	229.0	235.4	240.7	245.0	248.3
150°	155.4	162.6	169.5	176.3	184.2	191.4	197.9	203.6	208.5	212.6	215.9
152.5°	140.3	145.4	150.3	155.6	161.1	166.3	171.1	175.5	179.4	182.8	185.7
155°	126.3	130.3	134.2	138.3	142.1	145.7	149.0	152.1	154.8	157.2	159.2
157.5°	112.5	115.5	118.7	121.8	124.7	127.5	130.0	132.2	134.2	135.8	137.9
160°	99.1	101.3	103.7	105.9	108.0	110.0	111.7	113.3	114.6	115.7	117.2
162.5°	86.8	88.3	89.7	91.0	92.2	93.3	94.3	95.2	95.8	96.3	97.1
165°	74.1	75.0	75.8	76.6	77.2	77.7	78.1	78.4	78.5	78.5	78.7
167.5°	61.9	62.3	62.7	62.9	63.0	63.0	62.9	62.7	62.3	61.9	61.5
170°	49.8	50.2	50.4	50.6	50.7	50.7	50.6	50.4	50.1	50.1	49.3
172.5°	37.2	37.6	37.9	38.1	38.3	38.4	38.4	38.3	38.1	38.2	37.7
175°	24.1	24.4	24.6	24.8	24.9	25.0	25.0	24.9	25.2	24.9	24.6
177.5°	11.4	11.5	11.6	11.7	11.7	11.7	12.1	11.9	11.8	11.7	11.5
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°	11.4	11.2
5°	24.2	23.9
7.5°	37.2	36.7
10°	48.6	47.9
12.5°	60.7	59.8
15°	78.1	77.4
17.5°	96.8	96.5
20°	117.2	117.3
22.5°	138.4	138.8
25°	161.0	161.9
27.5°	188.4	189.8
30°	218.8	220.2
32.5°	251.1	252.1
35°	280.2	280.0
37.5°	320.4	319.1
40°	382.6	382.1
42.5°	456.2	457.1
45°	540.2	543.2
47.5°	633.6	637.3
50°	742.1	745.0
52.5°	845.4	845.5
55°	929.8	928.5
57.5°	987.0	985.1
60°	1039.3	1037.8
62.5°	1084.7	1085.6
65°	1122.3	1123.9
67.5°	1156.4	1158.2
70°	1184.4	1186.1
72.5°	1207.4	1210.9
75°	1228.3	1234.0
77.5°	1245.8	1250.8
80°	1260.6	1263.5
82.5°	1271.8	1279.5
85°	1275.6	1281.1
87.5°	1280.6	1288.2
90°	1273.1	1285.9
92.5°	1280.6	1288.2
95°	1275.6	1281.1
97.5°	1271.8	1279.5
100°	1260.6	1263.5
102.5°	1245.8	1250.8
105°	1228.3	1234.0
107.5°	1207.4	1210.9
110°	1184.4	1186.1



TEST NUMBER: P232020

CATALOG NUMBER: FVS4WM-3-LD4-30-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1156.4	1158.2
115°	1122.3	1123.9
117.5°	1084.7	1085.6
120°	1039.3	1037.8
122.5°	987.0	985.1
125°	929.8	928.5
127.5°	845.4	845.5
130°	742.1	745.0
132.5°	633.6	637.3
135°	540.2	543.2
137.5°	456.2	457.1
140°	382.6	382.1
142.5°	320.4	319.1
145°	280.2	280.0
147.5°	251.1	252.1
150°	218.8	220.2
152.5°	188.4	189.8
155°	161.0	161.9
157.5°	138.4	138.8
160°	117.2	117.3
162.5°	96.8	96.5
165°	78.1	77.4
167.5°	60.7	59.8
170°	48.6	47.9
172.5°	37.2	36.7
175°	24.2	23.9
177.5°	11.4	11.2
180°	0.0	0.0

(END OF REPORT)