

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: P231970

Luminaire Tested: **FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

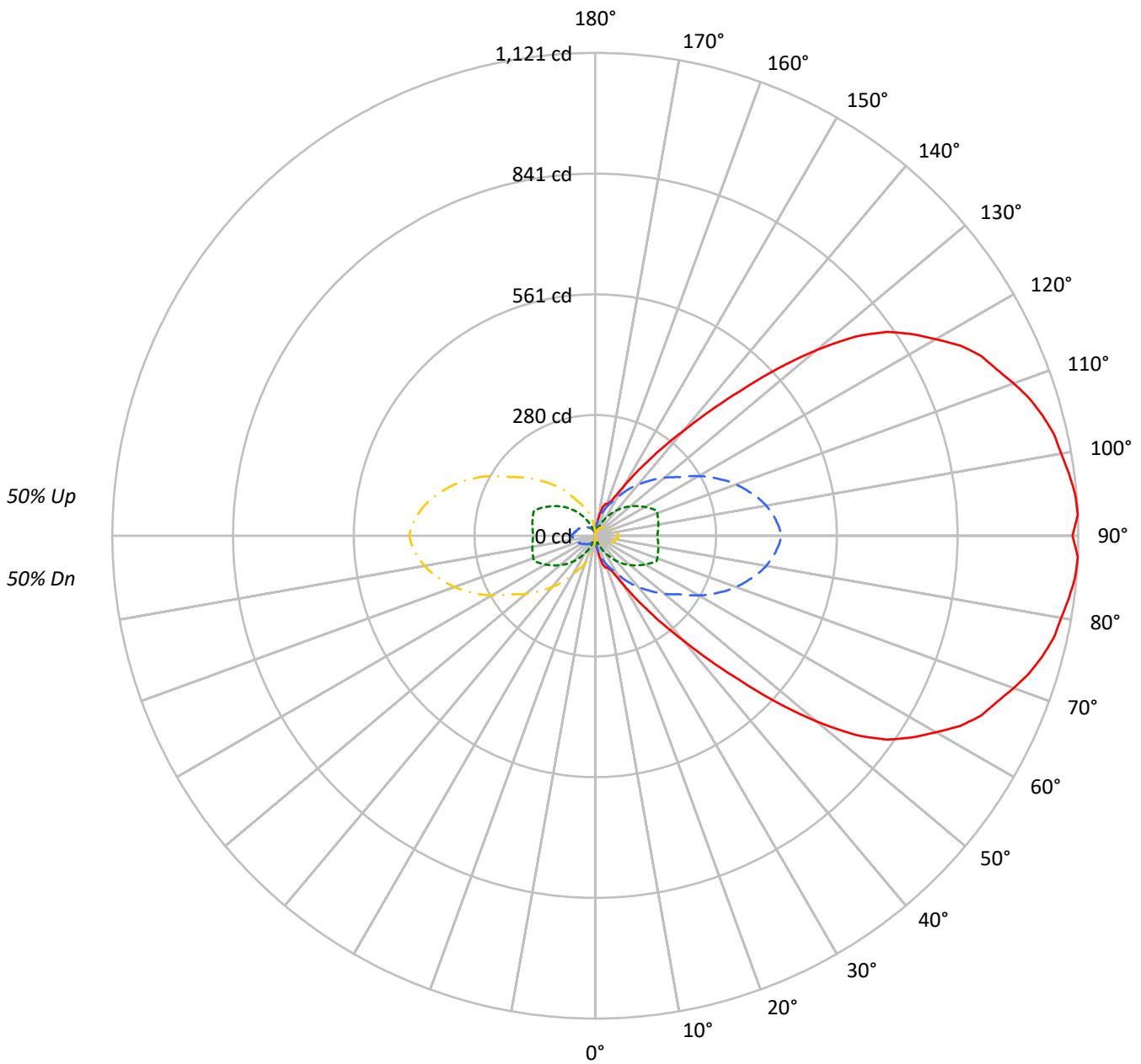
Lumens per Lamp: N/A
Luminaire Lumens: 2612.7 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 24.51 / 15.62 / 16.56
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	33	28
2	80	69	60	53	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	59	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	33	58	46	37	30	37	30	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	12	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9	9	9	9
5°	233	85	0	85
10°	484	161	0	161
15°	756	239	0	239
20°	779	322	0	322
25°	844	495	0	495
30°	1179	769	0	769
35°	1775	1075	5	1075
40°	2605	1420	5	1420
45°	3810	1824	5	1824
50°	5293	2273	5	2273
55°	6445	2827	5	2827
60°	7110	3538	5	3538
65°	7737	4481	5	4481
70°	8200	5522	5	5522
75°	8712	6742	5	6742
80°	9157	8818	0	8818
85°	9684	13069	0	13069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	8.3	0.3
20°-30°	22.2	0.8
30°-40°	51.4	2.0
40°-50°	103.0	3.9
50°-60°	183.6	7.0
60°-70°	265.2	10.2
70°-80°	321.4	12.3
80°-90°	350.1	13.4
90°-100°	350.1	13.4
100°-110°	321.4	12.3
110°-120°	265.2	10.2
120°-130°	183.6	7.0
130°-140°	103.0	3.9
140°-150°	51.4	2.0
150°-160°	22.2	0.8
160°-170°	8.3	0.3
170°-180°	1.1	0.0
0°-30°	31.6	1.2
0°-40°	83.1	3.2
0°-60°	369.6	14.1
0°-90°	1306.4	50.0
90°-120°	936.7	35.9
90°-150°	1274.7	48.8
90°-180°	1306.0	50.0
0°-180°	2612.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	18	6	0	6	18	2
15°	70	16	0	16	70	19
25°	90	31	0	31	90	45
35°	208	62	1	62	208	137
45°	474	92	1	92	474	378
55°	825	120	1	120	825	730
65°	988	147	1	147	988	975
75°	1075	151	1	151	1075	1134
85°	1118	146	0	146	1118	908
90°	1107	144	0	144	1107	611
95°	1118	146	0	146	1118	908
105°	1075	151	1	151	1075	1134
115°	988	147	1	147	988	975
125°	825	120	1	120	825	730
135°	474	92	1	92	474	378
145°	208	62	1	62	208	137
155°	90	31	0	31	90	45
165°	70	16	0	16	70	19
175°	18	6	0	6	18	2
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.3	8.3	8.3	8.2
5°	17.6	17.8	18.0	18.2	18.4	18.2	18.2	18.1	18.0	17.9	17.8
7.5°	30.9	31.1	31.4	31.6	31.3	31.2	31.0	30.8	30.5	30.1	29.7
10°	40.7	41.0	41.3	41.6	41.3	41.3	41.2	41.0	40.7	40.4	40.0
12.5°	55.8	56.0	56.2	55.8	55.5	55.1	54.6	54.0	53.2	52.4	51.5
15°	69.8	69.9	70.0	69.4	68.9	68.3	67.6	66.8	65.8	64.7	63.5
17.5°	77.7	77.9	78.2	77.9	77.7	77.4	76.9	76.4	75.6	74.8	73.8
20°	77.7	78.5	79.4	80.1	80.7	81.3	81.7	81.9	82.0	81.8	81.5
22.5°	83.1	84.5	85.9	86.8	87.7	88.4	88.9	89.1	89.0	88.6	88.0
25°	89.8	91.9	93.7	95.4	96.8	97.9	98.7	99.2	99.4	99.2	98.6
27.5°	107.4	109.6	111.0	112.2	113.1	113.6	113.7	113.4	112.8	111.8	111.0
30°	132.3	134.2	135.0	135.5	135.4	134.9	133.9	132.5	130.8	128.7	127.1
32.5°	167.5	168.7	168.1	167.2	165.4	163.0	160.0	156.5	152.5	148.8	145.9
35°	208.1	208.4	206.4	204.0	200.6	196.3	191.3	185.7	179.5	173.9	168.2
37.5°	259.1	258.1	253.9	249.1	243.1	235.9	227.8	218.8	209.5	201.6	193.4
40°	316.1	313.8	307.6	300.6	292.0	281.9	270.5	257.9	245.5	233.5	221.2
42.5°	390.2	386.0	376.2	365.3	352.3	337.3	320.6	302.4	286.2	269.9	252.9
45°	474.5	468.2	455.0	440.4	423.0	403.0	380.8	359.5	335.0	312.0	289.3
47.5°	574.6	565.3	547.1	527.3	504.1	477.8	449.1	419.7	390.8	360.8	334.6
50°	671.1	661.4	641.7	619.6	592.7	561.2	525.3	489.0	452.4	417.1	385.2
52.5°	759.1	753.6	737.0	716.6	689.1	654.1	611.4	568.2	522.8	479.1	439.6
55°	825.3	824.6	814.4	800.5	779.9	752.2	715.2	662.5	602.7	549.0	497.3
57.5°	871.4	872.8	867.3	859.5	847.6	831.3	803.3	749.0	693.5	623.7	559.7
60°	912.6	913.7	908.6	902.4	893.4	882.1	855.4	812.3	757.1	692.2	624.4
62.5°	955.7	953.2	947.6	939.6	929.5	918.1	894.0	857.8	807.3	748.0	678.1
65°	987.9	983.9	977.4	969.1	959.5	950.0	932.4	904.7	856.1	794.0	723.5
67.5°	1008.5	1007.6	1003.5	995.6	983.5	975.0	966.3	947.0	910.8	846.9	768.9
70°	1033.4	1030.5	1025.4	1018.9	1011.7	1000.1	988.2	976.8	955.7	901.4	817.5
72.5°	1057.1	1053.4	1046.7	1037.6	1028.7	1018.9	1008.0	995.8	977.7	931.8	857.5
75°	1075.3	1071.1	1064.3	1054.7	1043.2	1032.3	1021.6	1011.4	996.8	956.0	884.3
77.5°	1090.4	1086.2	1079.1	1066.2	1053.1	1041.1	1034.5	1025.9	1011.9	981.0	909.6
80°	1097.7	1098.4	1091.1	1074.2	1059.1	1051.3	1042.8	1039.4	1027.0	1004.3	931.3
82.5°	1108.6	1106.9	1096.9	1083.3	1071.6	1062.5	1050.9	1045.3	1036.4	1012.7	951.9
85°	1117.7	1107.5	1093.3	1090.6	1082.5	1073.0	1058.5	1047.8	1040.4	1018.1	966.3
87.5°	1120.8	1102.5	1103.7	1095.1	1081.7	1074.6	1061.4	1050.7	1043.3	1022.0	972.9
90°	1107.4	1103.2	1103.8	1091.0	1074.0	1072.8	1061.3	1053.4	1044.3	1022.5	970.3
92.5°	1120.8	1102.5	1103.7	1095.1	1081.7	1074.6	1061.4	1050.7	1043.3	1022.0	972.9
95°	1117.7	1107.5	1093.3	1090.6	1082.5	1073.0	1058.5	1047.8	1040.4	1018.1	966.3
97.5°	1108.6	1106.9	1096.9	1083.3	1071.6	1062.5	1050.9	1045.3	1036.4	1012.7	951.9
100°	1097.7	1098.4	1091.1	1074.2	1059.1	1051.3	1042.8	1039.4	1027.0	1004.3	931.3
102.5°	1090.4	1086.2	1079.1	1066.2	1053.1	1041.1	1034.5	1025.9	1011.9	981.0	909.6
105°	1075.3	1071.1	1064.3	1054.7	1043.2	1032.3	1021.6	1011.4	996.8	956.0	884.3
107.5°	1057.1	1053.4	1046.7	1037.6	1028.7	1018.9	1008.0	995.8	977.7	931.8	857.5
110°	1033.4	1030.5	1025.4	1018.9	1011.7	1000.1	988.2	976.8	955.7	901.4	817.5



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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°	1008.5	1007.6	1003.5	995.6	983.5	975.0	966.3	947.0	910.8	846.9	768.9
115°	987.9	983.9	977.4	969.1	959.5	950.0	932.4	904.7	856.1	794.0	723.5
117.5°	955.7	953.2	947.6	939.6	929.5	918.1	894.0	857.8	807.3	748.0	678.1
120°	912.6	913.7	908.6	902.4	893.4	882.1	855.4	812.3	757.1	692.2	624.4
122.5°	871.4	872.8	867.3	859.5	847.6	831.3	803.3	749.0	693.6	623.7	559.7
125°	825.3	824.6	814.4	800.5	779.9	752.2	715.2	662.5	602.7	549.0	497.3
127.5°	759.1	753.6	737.0	716.6	689.1	654.1	611.4	568.2	522.8	479.1	439.6
130°	671.1	661.4	641.7	619.6	592.7	561.2	525.3	489.0	452.4	417.1	385.2
132.5°	574.6	565.3	547.1	527.3	504.1	477.8	449.1	419.7	390.8	360.8	334.6
135°	474.5	468.2	455.0	440.4	423.0	403.0	380.8	359.5	335.0	312.0	289.3
137.5°	390.2	386.0	376.2	365.3	352.3	337.3	320.6	302.4	286.2	269.9	252.9
140°	316.1	313.8	307.6	300.6	292.0	281.9	270.5	257.9	245.5	233.5	221.2
142.5°	259.1	258.1	253.9	249.1	243.1	235.9	227.8	218.8	209.5	201.6	193.4
145°	208.1	208.4	206.4	204.0	200.6	196.3	191.3	185.7	179.5	173.9	168.2
147.5°	167.5	168.7	168.1	167.2	165.4	163.0	160.0	156.5	152.5	148.8	145.9
150°	132.3	134.2	135.0	135.5	135.4	134.9	133.9	132.5	130.8	128.7	127.1
152.5°	107.4	109.6	111.0	112.2	113.1	113.6	113.7	113.4	112.8	111.8	111.0
155°	89.8	91.9	93.7	95.4	96.8	97.9	98.7	99.2	99.4	99.2	98.6
157.5°	83.1	84.5	85.9	86.8	87.7	88.4	88.9	89.1	89.0	88.6	88.0
160°	77.7	78.5	79.4	80.1	80.7	81.3	81.7	81.9	82.0	81.8	81.5
162.5°	77.7	77.9	78.2	77.9	77.7	77.4	76.9	76.4	75.6	74.8	73.8
165°	69.8	69.9	70.0	69.4	68.9	68.3	67.6	66.8	65.8	64.7	63.5
167.5°	55.8	56.0	56.2	55.8	55.5	55.1	54.6	54.0	53.2	52.4	51.5
170°	40.7	41.0	41.3	41.6	41.3	41.3	41.2	41.0	40.7	40.4	40.0
172.5°	30.9	31.1	31.4	31.6	31.3	31.2	31.0	30.8	30.5	30.1	29.7
175°	17.6	17.8	18.0	18.2	18.4	18.2	18.2	18.1	18.0	17.9	17.8
177.5°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.3	8.3	8.3	8.2
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	8.2	8.1	8.1	8.0	7.9	7.8	7.6	7.5	7.3	7.2	7.0
5°	17.6	17.4	17.1	16.8	16.5	16.1	15.7	15.3	14.8	14.3	13.8
7.5°	29.2	28.6	28.0	27.3	26.6	25.8	24.9	24.1	23.1	22.3	21.5
10°	39.5	39.0	38.4	37.7	37.0	36.2	35.2	34.0	32.7	31.4	30.1
12.5°	50.4	49.3	48.1	46.8	45.6	44.6	43.5	42.4	41.1	39.8	38.4
15°	62.3	60.9	59.4	57.8	56.1	54.4	52.6	50.7	48.8	47.2	45.5
17.5°	72.6	71.3	69.6	67.8	65.8	63.8	61.7	59.6	57.3	55.1	52.8
20°	80.9	79.7	78.1	76.3	74.4	72.3	70.0	67.5	65.0	62.5	60.0
22.5°	87.2	86.5	85.5	84.2	82.5	80.2	77.7	74.9	72.1	69.2	66.4
25°	97.7	96.5	94.8	92.7	90.6	88.4	85.7	82.6	79.3	75.8	72.5
27.5°	110.1	108.8	106.9	104.6	101.9	98.6	95.4	91.5	87.4	83.0	78.9
30°	125.3	123.1	121.0	118.1	115.0	111.3	107.2	102.4	97.9	93.9	89.7
32.5°	142.6	139.1	136.0	132.9	129.6	125.6	120.9	115.9	111.0	105.9	101.3
35°	162.3	156.7	152.5	148.2	143.9	139.6	134.9	129.5	123.9	118.3	112.7
37.5°	184.9	177.5	170.5	164.4	158.7	153.3	148.0	142.7	136.8	130.5	124.3
40°	209.5	199.9	190.8	182.7	174.9	167.8	161.5	155.2	149.1	142.6	135.7
42.5°	238.2	225.4	212.9	202.8	193.4	183.9	175.3	168.2	161.0	154.2	147.0
45°	271.7	253.8	238.5	224.0	211.8	200.6	190.8	181.2	173.3	165.5	157.9
47.5°	309.8	286.0	266.2	247.4	231.9	217.9	206.2	195.6	185.6	177.0	168.5
50°	352.6	323.6	295.8	273.4	253.4	236.3	221.6	209.5	198.6	188.4	179.1
52.5°	400.2	364.4	330.4	300.7	276.0	255.1	237.6	223.2	211.6	200.0	192.1
55°	450.9	406.9	367.7	330.8	299.8	274.5	253.3	237.2	226.0	216.2	208.2
57.5°	503.9	451.7	405.1	363.4	325.5	294.3	273.9	257.2	242.8	231.6	222.9
60°	557.0	497.7	443.1	394.7	355.4	322.2	295.5	277.1	261.0	247.4	237.0
62.5°	608.1	540.9	482.4	431.5	386.5	348.2	318.5	296.5	279.3	262.7	250.4
65°	649.8	584.3	522.1	465.9	417.1	374.8	339.8	313.4	296.9	279.2	264.8
67.5°	694.0	625.3	559.5	498.5	444.5	397.9	360.1	331.7	312.5	295.6	278.7
70°	736.5	661.3	594.1	526.6	469.9	421.0	379.8	347.9	326.1	311.5	292.1
72.5°	772.0	692.8	619.9	552.2	491.3	440.0	396.3	362.6	338.4	325.6	305.3
75°	799.8	718.5	642.0	572.4	507.6	455.9	411.8	376.8	352.1	335.8	315.7
77.5°	817.0	736.7	659.2	590.2	525.8	471.8	427.1	391.0	364.6	346.1	326.0
80°	836.4	754.2	679.0	607.0	541.1	484.3	439.3	402.8	375.9	356.3	336.0
82.5°	855.8	769.2	693.7	619.3	552.4	493.5	448.7	412.6	385.9	366.3	345.6
85°	865.3	778.2	703.1	627.1	559.8	499.5	455.6	420.5	394.9	375.8	354.4
87.5°	865.7	784.0	709.7	632.5	565.0	503.9	461.0	427.4	403.3	385.3	363.0
90°	858.0	778.5	705.7	629.3	563.1	503.6	463.0	432.0	410.2	393.2	369.5
92.5°	865.7	784.0	709.7	632.5	565.0	503.9	461.0	427.4	403.3	385.3	363.0
95°	865.3	778.2	703.1	627.1	559.8	499.5	455.6	420.5	394.9	375.8	354.4
97.5°	855.8	769.2	693.7	619.3	552.4	493.5	448.7	412.6	385.9	366.3	345.6
100°	836.4	754.2	679.0	607.0	541.1	484.3	439.3	402.8	375.9	356.3	336.0
102.5°	817.0	736.7	659.2	590.2	525.8	471.8	427.1	391.0	364.6	346.1	326.0
105°	799.8	718.5	642.0	572.4	507.6	455.9	411.8	376.8	352.1	335.8	315.7
107.5°	772.0	692.8	619.9	552.2	491.3	440.0	396.3	362.6	338.4	325.6	305.3
110°	736.5	661.3	594.1	526.6	469.9	421.0	379.8	347.9	326.1	311.5	292.1



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	694.0	625.3	559.5	498.5	444.5	397.9	360.1	331.7	312.5	295.6	278.7
115°	649.8	584.3	522.1	465.9	417.1	374.8	339.8	313.4	296.9	279.2	264.8
117.5°	608.1	540.9	482.4	431.5	386.5	348.2	318.5	296.5	279.3	262.7	250.4
120°	557.0	497.7	443.1	394.7	355.4	322.2	295.5	277.1	261.0	247.4	237.0
122.5°	503.9	451.7	405.1	363.4	325.5	294.3	273.9	257.2	242.8	231.6	222.9
125°	450.9	406.9	367.7	330.8	299.8	274.5	253.3	237.2	226.0	216.2	208.2
127.5°	400.2	364.4	330.4	300.7	276.0	255.1	237.6	223.2	211.6	200.0	192.1
130°	352.6	323.6	295.8	273.4	253.4	236.3	221.6	209.5	198.6	188.4	179.1
132.5°	309.8	286.0	266.2	247.4	231.9	217.9	206.2	195.6	185.6	177.0	168.5
135°	271.7	253.8	238.5	224.0	211.8	200.6	190.8	181.2	173.3	165.5	157.9
137.5°	238.2	225.4	212.9	202.8	193.4	183.9	175.3	168.2	161.0	154.2	147.0
140°	209.5	199.9	190.8	182.7	174.9	167.8	161.5	155.2	149.1	142.6	135.7
142.5°	184.9	177.5	170.5	164.4	158.7	153.3	148.0	142.7	136.8	130.5	124.3
145°	162.3	156.7	152.5	148.2	143.9	139.6	134.9	129.5	123.9	118.3	112.7
147.5°	142.6	139.1	136.0	132.9	129.6	125.6	120.9	115.9	111.0	105.9	101.3
150°	125.3	123.1	121.0	118.1	115.0	111.3	107.2	102.4	97.9	93.9	89.7
152.5°	110.1	108.8	106.9	104.6	101.9	98.6	95.4	91.5	87.4	83.0	78.9
155°	97.7	96.5	94.8	92.7	90.6	88.4	85.7	82.6	79.3	75.8	72.5
157.5°	87.2	86.5	85.5	84.2	82.5	80.2	77.7	74.9	72.1	69.2	66.4
160°	80.9	79.7	78.1	76.3	74.4	72.3	70.0	67.5	65.0	62.5	60.0
162.5°	72.6	71.3	69.6	67.8	65.8	63.8	61.7	59.6	57.3	55.1	52.8
165°	62.3	60.9	59.4	57.8	56.1	54.4	52.6	50.7	48.8	47.2	45.5
167.5°	50.4	49.3	48.1	46.8	45.6	44.6	43.5	42.4	41.1	39.8	38.4
170°	39.5	39.0	38.4	37.7	37.0	36.2	35.2	34.0	32.7	31.4	30.1
172.5°	29.2	28.6	28.0	27.3	26.6	25.8	24.9	24.1	23.1	22.3	21.5
175°	17.6	17.4	17.1	16.8	16.5	16.1	15.7	15.3	14.8	14.3	13.8
177.5°	8.2	8.1	8.1	8.0	7.9	7.8	7.6	7.5	7.3	7.2	7.0
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	6.8	6.6	6.4	6.2	5.9	5.7	5.4	5.2	4.9	4.6	4.3
5°	13.3	12.7	12.1	11.6	11.2	10.7	10.2	9.7	9.1	8.6	8.0
7.5°	20.7	19.8	18.9	18.0	17.0	16.0	15.0	14.1	13.3	12.5	11.7
10°	28.7	27.2	25.8	24.5	23.2	21.8	20.4	19.0	17.6	16.4	15.3
12.5°	36.8	35.0	33.2	31.3	29.4	27.6	25.9	24.1	22.3	20.4	18.9
15°	43.8	42.0	40.4	38.0	35.8	33.5	31.2	29.1	27.0	24.8	22.5
17.5°	50.8	48.5	46.3	44.1	41.7	39.2	36.7	34.1	31.6	29.0	26.4
20°	57.4	54.9	52.3	49.8	47.2	44.5	41.8	39.0	36.1	33.3	30.3
22.5°	63.6	60.8	58.1	55.4	52.5	49.5	46.5	43.5	40.5	37.4	34.2
25°	69.1	66.1	63.1	60.3	58.4	56.0	53.4	50.7	48.1	45.3	42.2
27.5°	75.7	73.4	71.3	69.3	67.3	65.2	62.6	59.8	56.9	53.9	50.7
30°	86.2	83.0	80.2	78.1	75.9	73.7	71.4	68.5	65.8	62.4	59.2
32.5°	96.6	92.7	89.3	86.4	84.2	82.0	79.7	77.1	74.1	70.8	67.4
35°	107.5	102.5	98.4	94.8	92.2	90.0	87.7	85.5	82.3	79.1	75.5
37.5°	118.2	112.6	107.2	103.4	100.1	97.7	95.5	93.1	90.4	87.3	83.6
40°	129.1	122.5	116.8	111.4	107.9	105.0	102.9	100.7	98.2	95.2	91.6
42.5°	139.5	132.6	125.9	120.1	115.5	112.1	110.1	108.1	105.8	103.0	99.6
45°	150.1	142.2	135.2	128.7	122.8	119.4	117.0	115.2	113.1	110.5	107.4
47.5°	160.3	152.0	144.1	137.3	130.7	127.5	126.8	126.9	126.8	125.8	123.1
50°	170.2	162.0	156.5	152.3	148.7	145.9	144.5	144.2	144.5	144.3	140.8
52.5°	185.6	180.2	175.2	171.1	167.7	164.6	162.7	161.6	161.7	163.2	158.5
55°	201.8	197.1	192.9	189.1	186.2	183.4	181.0	179.1	178.4	181.4	176.4
57.5°	216.7	212.6	209.7	206.4	204.1	201.8	199.3	196.7	195.1	199.0	194.6
60°	230.0	226.9	224.9	223.0	221.4	219.9	217.7	214.4	212.4	216.2	212.9
62.5°	243.1	240.1	239.2	238.7	238.1	237.6	236.0	232.5	229.8	233.2	231.4
65°	255.6	252.0	252.6	253.7	254.2	254.7	253.9	250.5	247.2	250.0	250.0
67.5°	267.2	262.9	265.0	267.8	269.8	271.4	271.6	268.6	264.6	266.6	268.6
70°	278.5	273.9	276.7	280.5	282.4	283.3	282.8	279.7	275.5	274.9	273.7
72.5°	289.0	281.3	281.4	284.3	286.6	287.9	287.9	286.2	283.6	282.1	277.1
75°	296.8	287.0	285.4	288.0	290.8	292.4	292.9	292.3	291.4	290.0	280.9
77.5°	304.2	292.5	289.7	291.9	294.9	297.0	297.7	298.0	299.0	298.5	284.9
80°	311.1	297.9	294.1	295.8	299.0	301.5	302.4	303.4	306.5	307.4	288.9
82.5°	317.5	303.2	298.6	299.7	303.1	306.1	307.1	308.6	313.8	316.6	294.4
85°	323.4	308.3	303.2	303.7	307.2	310.6	311.7	313.5	320.9	326.4	297.6
87.5°	329.0	313.3	307.8	307.7	311.3	315.2	316.3	318.8	328.3	335.3	300.8
90°	333.7	318.0	312.5	311.9	315.5	319.8	321.0	324.0	335.6	344.1	304.0
92.5°	329.0	313.3	307.8	307.7	311.3	315.2	316.3	318.8	328.3	335.3	300.8
95°	323.4	308.3	303.2	303.7	307.2	310.6	311.7	313.5	320.9	326.4	297.6
97.5°	317.5	303.2	298.6	299.7	303.1	306.1	307.1	308.6	313.8	316.6	294.4
100°	311.1	297.9	294.1	295.8	299.0	301.5	302.4	303.4	306.5	307.4	288.9
102.5°	304.2	292.5	289.7	291.9	294.9	297.0	297.7	298.0	299.0	298.5	284.9
105°	296.8	287.0	285.4	288.0	290.8	292.4	292.9	292.3	291.4	290.0	280.9
107.5°	289.0	281.3	281.4	284.3	286.6	287.9	287.9	286.2	283.6	282.1	277.1
110°	278.5	273.9	276.7	280.5	282.4	283.3	282.8	279.7	275.5	274.9	273.7



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	267.2	262.9	265.0	267.8	269.8	271.4	271.6	268.6	264.6	266.6	268.6
115°	255.6	252.0	252.6	253.7	254.2	254.7	253.9	250.5	247.2	250.0	250.0
117.5°	243.1	240.1	239.2	238.7	238.1	237.6	236.0	232.5	229.8	233.2	231.4
120°	230.0	226.9	224.9	223.0	221.4	219.9	217.7	214.4	212.4	216.2	212.9
122.5°	216.7	212.6	209.7	206.4	204.1	201.8	199.3	196.7	195.1	199.0	194.6
125°	201.8	197.1	192.9	189.1	186.2	183.4	181.0	179.1	178.4	181.4	176.4
127.5°	185.6	180.2	175.2	171.1	167.7	164.6	162.7	161.6	161.7	163.2	158.5
130°	170.2	162.0	156.5	152.3	148.7	145.9	144.5	144.2	144.5	144.3	140.8
132.5°	160.3	152.0	144.1	137.3	130.7	127.5	126.8	126.9	126.8	125.8	123.1
135°	150.1	142.2	135.2	128.7	122.8	119.4	117.0	115.2	113.1	110.5	107.4
137.5°	139.5	132.6	125.9	120.1	115.5	112.1	110.1	108.1	105.8	103.0	99.6
140°	129.1	122.5	116.8	111.4	107.9	105.0	102.9	100.7	98.2	95.2	91.6
142.5°	118.2	112.6	107.2	103.4	100.1	97.7	95.5	93.1	90.4	87.3	83.6
145°	107.5	102.5	98.4	94.8	92.2	90.0	87.7	85.5	82.3	79.1	75.5
147.5°	96.6	92.7	89.3	86.4	84.2	82.0	79.7	77.1	74.1	70.8	67.4
150°	86.2	83.0	80.2	78.1	75.9	73.7	71.4	68.5	65.8	62.4	59.2
152.5°	75.7	73.4	71.3	69.3	67.3	65.2	62.6	59.8	56.9	53.9	50.7
155°	69.1	66.1	63.1	60.3	58.4	56.0	53.4	50.7	48.1	45.3	42.2
157.5°	63.6	60.8	58.1	55.4	52.5	49.5	46.5	43.5	40.5	37.4	34.2
160°	57.4	54.9	52.3	49.8	47.2	44.5	41.8	39.0	36.1	33.3	30.3
162.5°	50.8	48.5	46.3	44.1	41.7	39.2	36.7	34.1	31.6	29.0	26.4
165°	43.8	42.0	40.4	38.0	35.8	33.5	31.2	29.1	27.0	24.8	22.5
167.5°	36.8	35.0	33.2	31.3	29.4	27.6	25.9	24.1	22.3	20.4	18.9
170°	28.7	27.2	25.8	24.5	23.2	21.8	20.4	19.0	17.6	16.4	15.3
172.5°	20.7	19.8	18.9	18.0	17.0	16.0	15.0	14.1	13.3	12.5	11.7
175°	13.3	12.7	12.1	11.6	11.2	10.7	10.2	9.7	9.1	8.6	8.0
177.5°	6.8	6.6	6.4	6.2	5.9	5.7	5.4	5.2	4.9	4.6	4.3
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	4.0	3.7	3.4	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.8
5°	7.4	6.8	6.2	5.6	5.5	5.4	5.4	5.3	5.2	5.0	4.9
7.5°	10.8	9.9	9.0	8.1	8.0	7.9	7.7	7.6	7.4	7.2	7.0
10°	14.1	13.0	11.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.3
12.5°	17.5	16.0	14.6	13.1	12.9	12.6	12.4	12.1	11.9	11.8	11.8
15°	20.8	19.1	17.4	15.6	15.3	15.0	14.7	14.3	14.3	14.3	14.2
17.5°	24.0	22.1	20.1	18.1	17.7	17.4	16.9	16.8	16.8	16.8	16.7
20°	27.3	25.1	22.9	20.6	20.2	19.7	19.2	19.3	19.4	19.4	19.1
22.5°	30.9	28.1	25.6	23.1	22.6	22.0	21.7	21.9	21.9	21.8	21.6
25°	38.9	35.8	33.4	30.8	30.4	29.9	29.7	29.6	29.2	28.3	27.3
27.5°	47.2	43.7	41.1	38.5	38.3	38.0	38.1	38.2	37.4	36.2	34.7
30°	55.4	51.5	48.9	46.1	46.2	46.2	46.6	46.9	45.4	43.9	41.5
32.5°	63.5	59.4	56.6	53.8	54.2	54.6	55.2	55.1	53.3	50.9	47.8
35°	71.6	67.4	64.3	61.5	62.3	63.0	63.8	63.1	60.9	57.4	53.5
37.5°	79.7	75.2	71.9	69.2	70.3	71.4	72.6	71.1	68.5	63.5	58.4
40°	87.6	83.1	79.6	76.8	78.4	79.9	81.3	78.9	74.9	69.2	62.8
42.5°	95.5	90.9	87.2	84.5	86.6	88.5	90.1	86.6	81.2	74.7	66.7
45°	103.3	98.6	94.7	92.2	94.7	97.0	98.1	94.1	87.2	79.0	70.2
47.5°	117.3	110.5	103.9	99.1	99.4	100.2	99.8	95.7	88.4	80.2	71.7
50°	132.6	122.9	113.3	106.0	103.9	102.9	100.7	95.6	87.8	79.4	71.4
52.5°	148.4	135.7	122.9	112.8	108.2	105.4	101.5	95.3	87.3	78.9	71.5
55°	164.6	148.8	132.6	119.7	112.3	107.6	102.2	95.1	87.0	78.6	71.9
57.5°	181.3	162.2	142.4	126.6	116.3	109.7	102.8	95.0	86.8	78.8	72.8
60°	198.3	175.9	152.3	133.5	120.1	111.5	103.3	95.0	86.9	79.5	74.2
62.5°	215.6	189.8	162.4	140.3	123.9	113.3	103.8	95.1	87.1	80.5	76.4
65°	233.2	203.9	172.5	147.2	127.5	114.9	104.2	95.2	87.5	81.7	79.0
67.5°	251.0	218.1	182.7	154.1	131.1	116.3	104.6	95.5	88.1	83.1	81.9
70°	252.6	218.1	182.2	153.0	130.1	115.4	103.6	94.6	87.6	83.1	82.9
72.5°	252.9	217.5	181.5	151.8	129.2	114.4	102.6	93.7	86.8	82.5	82.5
75°	253.1	216.7	181.9	150.7	128.4	113.5	101.6	92.8	86.1	82.0	82.0
77.5°	253.0	215.8	180.8	149.5	127.6	112.7	100.7	92.1	85.6	81.4	81.4
80°	252.8	215.7	179.7	148.4	126.9	111.8	99.8	91.3	85.0	81.0	80.8
82.5°	253.5	214.0	178.6	147.2	126.2	111.1	99.0	90.7	84.6	80.5	80.0
85°	252.3	212.2	177.6	146.1	125.5	110.4	98.3	90.1	84.2	80.1	79.3
87.5°	251.2	210.5	176.5	144.9	125.0	109.8	97.7	89.6	83.9	79.8	78.5
90°	250.0	208.7	175.4	143.8	124.4	109.2	97.1	89.2	83.7	79.5	77.7
92.5°	251.2	210.5	176.5	144.9	125.0	109.8	97.7	89.6	83.9	79.8	78.5
95°	252.3	212.2	177.6	146.1	125.5	110.4	98.3	90.1	84.2	80.1	79.3
97.5°	253.5	214.0	178.6	147.2	126.2	111.1	99.0	90.7	84.6	80.5	80.0
100°	252.8	215.7	179.7	148.4	126.9	111.8	99.8	91.3	85.0	81.0	80.8
102.5°	253.0	215.8	180.8	149.5	127.6	112.7	100.7	92.1	85.6	81.4	81.4
105°	253.1	216.7	181.9	150.7	128.4	113.5	101.6	92.8	86.1	82.0	82.0
107.5°	252.9	217.5	181.5	151.8	129.2	114.4	102.6	93.7	86.8	82.5	82.5
110°	252.6	218.1	182.2	153.0	130.1	115.4	103.6	94.6	87.6	83.1	82.9



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	251.0	218.1	182.7	154.1	131.1	116.3	104.6	95.5	88.1	83.1	81.9
115°	233.2	203.9	172.5	147.2	127.5	114.9	104.2	95.2	87.5	81.7	79.0
117.5°	215.6	189.8	162.4	140.3	123.9	113.3	103.8	95.1	87.1	80.5	76.4
120°	198.3	175.9	152.3	133.5	120.1	111.5	103.3	95.0	86.9	79.5	74.2
122.5°	181.3	162.2	142.4	126.6	116.3	109.7	102.8	95.0	86.8	78.8	72.8
125°	164.6	148.8	132.6	119.7	112.3	107.6	102.2	95.1	87.0	78.6	71.9
127.5°	148.4	135.7	122.9	112.8	108.2	105.4	101.5	95.3	87.3	78.9	71.5
130°	132.6	122.9	113.3	106.0	103.9	102.9	100.7	95.6	87.8	79.4	71.4
132.5°	117.3	110.5	103.9	99.1	99.4	100.2	99.8	95.7	88.4	80.2	71.7
135°	103.3	98.6	94.7	92.2	94.7	97.0	98.1	94.1	87.2	79.0	70.2
137.5°	95.5	90.9	87.2	84.5	86.6	88.5	90.1	86.6	81.2	74.7	66.7
140°	87.6	83.1	79.6	76.8	78.4	79.9	81.3	78.9	74.9	69.2	62.8
142.5°	79.7	75.2	71.9	69.2	70.3	71.4	72.6	71.1	68.5	63.5	58.4
145°	71.6	67.4	64.3	61.5	62.3	63.0	63.8	63.1	60.9	57.4	53.5
147.5°	63.5	59.4	56.6	53.8	54.2	54.6	55.2	55.1	53.3	50.9	47.8
150°	55.4	51.5	48.9	46.1	46.2	46.2	46.6	46.9	45.4	43.9	41.5
152.5°	47.2	43.7	41.1	38.5	38.3	38.0	38.1	38.2	37.4	36.2	34.7
155°	38.9	35.8	33.4	30.8	30.4	29.9	29.7	29.6	29.2	28.3	27.3
157.5°	30.9	28.1	25.6	23.1	22.6	22.0	21.7	21.9	21.9	21.8	21.6
160°	27.3	25.1	22.9	20.6	20.2	19.7	19.2	19.3	19.4	19.4	19.1
162.5°	24.0	22.1	20.1	18.1	17.7	17.4	16.9	16.8	16.8	16.8	16.7
165°	20.8	19.1	17.4	15.6	15.3	15.0	14.7	14.3	14.3	14.3	14.2
167.5°	17.5	16.0	14.6	13.1	12.9	12.6	12.4	12.1	11.9	11.8	11.8
170°	14.1	13.0	11.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.3
172.5°	10.8	9.9	9.0	8.1	8.0	7.9	7.7	7.6	7.4	7.2	7.0
175°	7.4	6.8	6.2	5.6	5.5	5.4	5.4	5.3	5.2	5.0	4.9
177.5°	4.0	3.7	3.4	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	2.7	2.7	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.0	1.9
5°	4.8	4.7	4.5	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5
7.5°	6.8	6.8	6.6	6.5	6.4	6.3	6.1	5.9	5.7	5.5	5.3
10°	9.2	9.1	9.0	8.8	8.7	8.5	8.2	8.0	7.7	7.4	7.1
12.5°	11.7	11.5	11.4	11.1	10.9	10.6	10.3	10.0	9.6	9.3	8.9
15°	14.1	13.9	13.6	13.4	13.1	12.7	12.4	12.0	11.6	11.2	10.7
17.5°	16.5	16.2	15.9	15.6	15.3	14.9	14.5	13.9	13.4	12.8	12.2
20°	18.9	18.6	18.3	17.9	17.5	16.9	16.3	15.7	15.1	14.4	13.8
22.5°	21.3	20.9	20.6	20.1	19.5	18.8	18.1	17.4	16.7	16.0	15.4
25°	26.1	24.8	23.5	22.1	21.4	20.7	19.9	19.1	18.5	17.9	17.2
27.5°	32.9	31.1	29.0	27.1	25.3	23.7	22.2	21.1	20.5	19.6	18.7
30°	39.1	36.4	33.7	31.3	29.0	27.2	25.6	24.2	22.7	21.3	20.2
32.5°	44.4	40.9	37.6	34.7	32.2	30.2	28.2	26.4	24.7	23.2	21.9
35°	49.0	44.7	41.0	37.6	35.0	32.5	30.1	28.1	26.4	24.7	23.0
37.5°	53.0	48.2	43.7	40.3	37.1	34.2	31.7	29.7	27.7	25.8	24.1
40°	56.5	51.0	46.3	42.3	38.8	35.6	33.2	30.9	28.7	26.9	25.3
42.5°	59.7	53.4	48.5	44.0	40.0	37.1	34.4	31.9	29.8	28.1	26.4
45°	62.5	55.8	50.2	45.4	41.4	38.3	35.5	33.0	31.0	29.3	27.6
47.5°	64.1	57.8	51.8	46.4	42.8	39.5	36.5	34.3	32.3	30.4	28.8
50°	64.3	58.9	53.9	49.3	45.1	40.8	37.8	35.5	33.5	31.7	30.0
52.5°	65.5	60.9	56.9	53.5	49.7	45.6	41.7	38.0	34.8	33.1	31.1
55°	67.2	63.8	60.9	58.3	54.8	50.7	46.4	42.4	38.9	35.5	32.4
57.5°	69.5	67.5	65.7	63.6	60.2	55.6	50.9	46.6	42.5	38.5	35.2
60°	72.3	71.8	71.0	69.0	65.4	60.4	55.2	50.3	45.5	41.1	37.4
62.5°	75.7	76.7	76.7	74.8	70.5	64.9	59.1	53.5	48.1	43.5	39.2
65°	79.8	82.0	82.8	80.9	75.5	69.2	62.8	56.4	50.5	45.5	40.6
67.5°	84.3	87.5	88.7	86.8	80.5	73.4	66.2	59.1	52.9	47.2	41.9
70°	86.5	90.9	93.2	91.7	85.2	77.4	69.4	61.6	55.0	48.7	43.0
72.5°	85.9	90.1	92.6	91.0	85.9	79.1	71.4	63.8	56.9	50.1	43.9
75°	85.2	89.4	92.1	90.9	86.6	80.2	72.7	65.3	58.3	51.5	45.2
77.5°	84.2	88.7	91.8	91.1	87.7	81.5	74.2	67.1	60.0	53.0	46.6
80°	83.1	87.9	91.6	91.8	89.3	83.2	76.1	69.1	61.8	54.6	48.1
82.5°	81.8	87.1	91.5	92.6	91.1	85.1	78.2	71.3	63.9	56.5	49.7
85°	80.5	86.3	91.4	93.7	93.2	87.3	80.7	73.8	66.2	58.6	51.5
87.5°	79.1	85.3	91.2	94.8	95.4	89.6	83.3	76.5	68.8	61.0	53.5
90°	77.7	84.3	91.0	95.9	97.7	92.2	86.2	79.5	71.6	63.7	55.8
92.5°	79.1	85.3	91.2	94.8	95.4	89.6	83.3	76.5	68.8	61.0	53.5
95°	80.5	86.3	91.4	93.7	93.2	87.3	80.7	73.8	66.2	58.6	51.5
97.5°	81.8	87.1	91.5	92.6	91.1	85.1	78.2	71.3	63.9	56.5	49.7
100°	83.1	87.9	91.6	91.8	89.3	83.2	76.1	69.1	61.8	54.6	48.1
102.5°	84.2	88.7	91.8	91.1	87.7	81.5	74.2	67.1	60.0	53.0	46.6
105°	85.2	89.4	92.1	90.9	86.6	80.2	72.7	65.3	58.3	51.5	45.2
107.5°	85.9	90.1	92.6	91.0	85.9	79.1	71.4	63.8	56.9	50.1	43.9
110°	86.5	90.9	93.2	91.7	85.2	77.4	69.4	61.6	55.0	48.7	43.0



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	84.3	87.5	88.7	86.8	80.5	73.4	66.2	59.1	52.9	47.2	41.9
115°	79.8	82.0	82.8	80.9	75.5	69.2	62.8	56.4	50.5	45.5	40.6
117.5°	75.7	76.7	76.7	74.8	70.5	64.9	59.1	53.5	48.1	43.5	39.2
120°	72.3	71.8	71.0	69.0	65.4	60.4	55.2	50.3	45.5	41.1	37.4
122.5°	69.5	67.5	65.7	63.6	60.2	55.6	50.9	46.6	42.5	38.5	35.2
125°	67.2	63.8	60.9	58.3	54.8	50.7	46.4	42.4	38.9	35.5	32.4
127.5°	65.5	60.9	56.9	53.5	49.7	45.6	41.7	38.0	34.8	33.1	31.1
130°	64.3	58.9	53.9	49.3	45.1	40.8	37.8	35.5	33.5	31.7	30.0
132.5°	64.1	57.8	51.8	46.4	42.8	39.5	36.5	34.3	32.3	30.4	28.8
135°	62.5	55.8	50.2	45.4	41.4	38.3	35.5	33.0	31.0	29.3	27.6
137.5°	59.7	53.4	48.5	44.0	40.0	37.1	34.4	31.9	29.8	28.1	26.4
140°	56.5	51.0	46.3	42.3	38.8	35.6	33.2	30.9	28.7	26.9	25.3
142.5°	53.0	48.2	43.7	40.3	37.1	34.2	31.7	29.7	27.7	25.8	24.1
145°	49.0	44.7	41.0	37.6	35.0	32.5	30.1	28.1	26.4	24.7	23.0
147.5°	44.4	40.9	37.6	34.7	32.2	30.2	28.2	26.4	24.7	23.2	21.9
150°	39.1	36.4	33.7	31.3	29.0	27.2	25.6	24.2	22.7	21.3	20.2
152.5°	32.9	31.1	29.0	27.1	25.3	23.7	22.2	21.1	20.5	19.6	18.7
155°	26.1	24.8	23.5	22.1	21.4	20.7	19.9	19.1	18.5	17.9	17.2
157.5°	21.3	20.9	20.6	20.1	19.5	18.8	18.1	17.4	16.7	16.0	15.4
160°	18.9	18.6	18.3	17.9	17.5	16.9	16.3	15.7	15.1	14.4	13.8
162.5°	16.5	16.2	15.9	15.6	15.3	14.9	14.5	13.9	13.4	12.8	12.2
165°	14.1	13.9	13.6	13.4	13.1	12.7	12.4	12.0	11.6	11.2	10.7
167.5°	11.7	11.5	11.4	11.1	10.9	10.6	10.3	10.0	9.6	9.3	8.9
170°	9.2	9.1	9.0	8.8	8.7	8.5	8.2	8.0	7.7	7.4	7.1
172.5°	6.8	6.8	6.6	6.5	6.4	6.3	6.1	5.9	5.7	5.5	5.3
175°	4.8	4.7	4.5	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5
177.5°	2.7	2.7	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.0	1.9
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
5°	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5
7.5°	5.1	4.8	4.6	4.3	4.0	3.8	3.5	3.2	2.9	2.6	2.3
10°	6.8	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.9	3.5	3.0
12.5°	8.5	8.1	7.7	7.2	6.7	6.3	5.8	5.3	4.8	4.2	3.7
15°	10.1	9.6	9.1	8.5	7.9	7.4	6.8	6.2	5.6	5.0	4.4
17.5°	11.6	11.0	10.4	9.7	9.1	8.4	7.8	7.2	6.5	5.8	5.1
20°	13.1	12.4	11.8	11.1	10.4	9.7	9.0	8.2	7.4	6.6	5.8
22.5°	14.7	14.0	13.3	12.5	11.6	10.8	9.9	9.1	8.2	7.3	6.4
25°	16.4	15.5	14.6	13.7	12.7	11.8	10.9	9.9	8.9	7.9	6.9
27.5°	17.8	16.8	15.8	14.8	13.8	12.6	11.5	10.4	9.4	8.4	7.3
30°	19.1	18.1	16.9	15.6	14.4	13.3	12.3	11.2	10.1	9.0	7.9
32.5°	20.4	18.9	17.7	16.5	15.4	14.2	13.1	11.9	10.8	9.6	8.4
35°	21.4	20.1	18.8	17.6	16.4	15.1	13.8	12.5	11.3	10.0	8.9
37.5°	22.6	21.2	19.9	18.6	17.1	15.6	14.3	13.0	11.8	10.6	9.2
40°	23.8	22.4	20.8	19.3	17.7	16.3	15.0	13.5	12.1	10.7	9.4
42.5°	24.9	23.3	21.6	20.1	18.6	17.0	15.2	13.7	12.4	11.1	9.8
45°	25.9	24.3	22.6	21.0	19.2	17.5	15.9	14.3	12.9	11.5	10.1
47.5°	27.0	25.3	23.5	21.7	19.9	18.2	16.5	14.9	13.2	11.6	10.0
50°	28.1	26.2	24.4	22.5	20.7	18.9	17.1	15.2	13.3	11.7	10.3
52.5°	29.1	27.3	25.3	23.3	21.3	19.4	17.3	15.5	13.8	12.1	10.6
55°	30.3	28.2	26.1	24.0	21.9	19.8	17.8	16.0	14.2	12.5	10.9
57.5°	32.1	29.2	26.8	24.6	22.4	20.3	18.3	16.3	14.4	12.7	10.9
60°	33.8	30.6	27.8	25.3	23.0	20.7	18.6	16.4	14.4	12.5	10.7
62.5°	35.2	31.7	28.6	25.9	23.4	21.1	18.5	16.3	14.3	12.3	10.6
65°	36.3	32.6	29.3	26.4	23.7	20.9	18.6	16.3	14.0	12.0	10.2
67.5°	37.2	33.4	29.9	26.7	23.7	20.9	18.5	16.0	13.7	11.6	9.5
70°	38.1	34.0	30.4	26.9	23.6	20.8	17.9	15.4	13.3	11.0	9.0
72.5°	39.0	34.7	30.7	27.0	23.7	20.4	17.2	14.8	12.4	10.3	8.5
75°	39.9	35.4	31.1	27.2	23.7	19.9	16.8	14.2	11.6	9.5	7.8
77.5°	41.1	36.0	31.4	27.4	23.6	19.4	16.5	13.6	10.9	8.7	6.9
80°	42.2	36.7	31.7	27.2	22.9	19.0	16.0	13.1	10.3	8.0	6.0
82.5°	43.5	37.4	32.0	27.1	22.4	18.4	15.2	12.3	9.8	7.4	5.1
85°	44.9	38.2	32.4	27.1	22.1	17.9	14.6	11.7	9.5	7.3	4.9
87.5°	46.6	39.3	33.1	27.4	22.2	17.6	14.1	11.5	9.5	7.4	5.3
90°	48.5	40.7	34.0	27.9	22.5	17.6	14.0	11.5	9.7	7.9	6.1
92.5°	46.6	39.3	33.1	27.4	22.2	17.6	14.1	11.5	9.5	7.4	5.3
95°	44.9	38.2	32.4	27.1	22.1	17.9	14.6	11.7	9.5	7.3	4.9
97.5°	43.5	37.4	32.0	27.1	22.4	18.4	15.2	12.3	9.8	7.4	5.1
100°	42.2	36.7	31.7	27.2	22.9	19.0	16.0	13.1	10.3	8.0	6.0
102.5°	41.1	36.0	31.4	27.4	23.6	19.4	16.5	13.6	10.9	8.7	6.9
105°	39.9	35.4	31.1	27.2	23.7	19.9	16.8	14.2	11.6	9.5	7.8
107.5°	39.0	34.7	30.7	27.0	23.7	20.4	17.2	14.8	12.4	10.3	8.5
110°	38.1	34.0	30.4	26.9	23.6	20.8	17.9	15.4	13.3	11.0	9.0



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	37.2	33.4	29.9	26.7	23.7	20.9	18.5	16.0	13.7	11.6	9.5
115°	36.3	32.6	29.3	26.4	23.7	20.9	18.6	16.3	14.0	12.0	10.2
117.5°	35.2	31.7	28.6	25.9	23.4	21.1	18.5	16.3	14.3	12.3	10.6
120°	33.8	30.6	27.8	25.3	23.0	20.7	18.6	16.4	14.4	12.5	10.7
122.5°	32.1	29.2	26.8	24.6	22.4	20.3	18.3	16.3	14.4	12.7	10.9
125°	30.3	28.2	26.1	24.0	21.9	19.8	17.8	16.0	14.2	12.5	10.9
127.5°	29.1	27.3	25.3	23.3	21.3	19.4	17.3	15.5	13.8	12.1	10.6
130°	28.1	26.2	24.4	22.5	20.7	18.9	17.1	15.2	13.3	11.7	10.3
132.5°	27.0	25.3	23.5	21.7	19.9	18.2	16.5	14.9	13.2	11.6	10.0
135°	25.9	24.3	22.6	21.0	19.2	17.5	15.9	14.3	12.9	11.5	10.1
137.5°	24.9	23.3	21.6	20.1	18.6	17.0	15.2	13.7	12.4	11.1	9.8
140°	23.8	22.4	20.8	19.3	17.7	16.3	15.0	13.5	12.1	10.7	9.4
142.5°	22.6	21.2	19.9	18.6	17.1	15.6	14.3	13.0	11.8	10.6	9.2
145°	21.4	20.1	18.8	17.6	16.4	15.1	13.8	12.5	11.3	10.0	8.9
147.5°	20.4	18.9	17.7	16.5	15.4	14.2	13.1	11.9	10.8	9.6	8.4
150°	19.1	18.1	16.9	15.6	14.4	13.3	12.3	11.2	10.1	9.0	7.9
152.5°	17.8	16.8	15.8	14.8	13.8	12.6	11.5	10.4	9.4	8.4	7.3
155°	16.4	15.5	14.6	13.7	12.7	11.8	10.9	9.9	8.9	7.9	6.9
157.5°	14.7	14.0	13.3	12.5	11.6	10.8	9.9	9.1	8.2	7.3	6.4
160°	13.1	12.4	11.8	11.1	10.4	9.7	9.0	8.2	7.4	6.6	5.8
162.5°	11.6	11.0	10.4	9.7	9.1	8.4	7.8	7.2	6.5	5.8	5.1
165°	10.1	9.6	9.1	8.5	7.9	7.4	6.8	6.2	5.6	5.0	4.4
167.5°	8.5	8.1	7.7	7.2	6.7	6.3	5.8	5.3	4.8	4.2	3.7
170°	6.8	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.9	3.5	3.0
172.5°	5.1	4.8	4.6	4.3	4.0	3.8	3.5	3.2	2.9	2.6	2.3
175°	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5
177.5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
5°	1.3	1.1	0.9	0.7	0.4	0.2	0.0	0.2	0.4	0.7	0.9
7.5°	2.0	1.6	1.3	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.3
10°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
12.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
15°	3.8	3.1	2.5	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.5
17.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0	0.7	1.5	2.2	3.0
20°	5.0	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
22.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
25°	5.9	4.9	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
27.5°	6.3	5.2	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
30°	6.7	5.6	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
32.5°	7.2	6.1	5.0	3.9	2.8	1.7	0.6	1.7	2.8	3.9	5.0
35°	7.7	6.5	5.3	4.1	3.0	1.8	0.6	1.8	3.0	4.1	5.3
37.5°	7.9	6.7	5.4	4.2	3.0	1.8	0.6	1.8	3.0	4.2	5.4
40°	8.1	6.9	5.6	4.3	3.1	1.8	0.6	1.8	3.1	4.3	5.6
42.5°	8.4	7.1	5.8	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.8
45°	8.6	7.2	5.8	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.8
47.5°	8.6	7.2	5.9	4.6	3.2	1.9	0.6	1.9	3.2	4.6	5.9
50°	8.9	7.5	6.1	4.7	3.3	2.0	0.6	2.0	3.3	4.7	6.1
52.5°	9.1	7.7	6.2	4.8	3.4	2.0	0.6	2.0	3.4	4.8	6.2
55°	9.4	7.8	6.2	4.7	3.3	2.0	0.6	2.0	3.3	4.7	6.2
57.5°	9.2	7.6	6.2	4.8	3.4	2.0	0.6	2.0	3.4	4.8	6.2
60°	9.2	7.7	6.1	4.6	3.2	1.9	0.6	1.9	3.2	4.6	6.1
62.5°	8.9	7.3	5.8	4.3	3.0	1.8	0.6	1.8	3.0	4.3	5.8
65°	8.4	6.8	5.3	3.9	2.7	1.6	0.6	1.6	2.7	3.9	5.3
67.5°	7.7	6.2	4.8	3.6	2.6	1.6	0.6	1.6	2.6	3.6	4.8
70°	7.2	5.8	4.5	3.5	2.5	1.5	0.6	1.5	2.5	3.5	4.5
72.5°	6.8	5.3	4.2	3.1	2.1	1.3	0.6	1.3	2.1	3.1	4.2
75°	6.2	4.7	3.5	2.5	1.7	1.1	0.6	1.1	1.7	2.5	3.5
77.5°	5.3	4.2	3.0	1.8	0.7	0.1	0.0	0.1	0.7	1.8	3.0
80°	4.3	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
82.5°	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.3	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
102.5°	5.3	4.2	3.0	1.8	0.7	0.1	0.0	0.1	0.7	1.8	3.0
105°	6.2	4.7	3.5	2.5	1.7	1.1	0.6	1.1	1.7	2.5	3.5
107.5°	6.8	5.3	4.2	3.1	2.1	1.3	0.6	1.3	2.1	3.1	4.2
110°	7.2	5.8	4.5	3.5	2.5	1.5	0.6	1.5	2.5	3.5	4.5



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	7.7	6.2	4.8	3.6	2.6	1.6	0.6	1.6	2.6	3.6	4.8
115°	8.4	6.8	5.3	3.9	2.7	1.6	0.6	1.6	2.7	3.9	5.3
117.5°	8.9	7.3	5.8	4.3	3.0	1.8	0.6	1.8	3.0	4.3	5.8
120°	9.2	7.7	6.1	4.6	3.2	1.9	0.6	1.9	3.2	4.6	6.1
122.5°	9.2	7.6	6.2	4.8	3.4	2.0	0.6	2.0	3.4	4.8	6.2
125°	9.4	7.8	6.2	4.7	3.3	2.0	0.6	2.0	3.3	4.7	6.2
127.5°	9.1	7.7	6.2	4.8	3.4	2.0	0.6	2.0	3.4	4.8	6.2
130°	8.9	7.5	6.1	4.7	3.3	2.0	0.6	2.0	3.3	4.7	6.1
132.5°	8.6	7.2	5.9	4.6	3.2	1.9	0.6	1.9	3.2	4.6	5.9
135°	8.6	7.2	5.8	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.8
137.5°	8.4	7.1	5.8	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.8
140°	8.1	6.9	5.6	4.3	3.1	1.8	0.6	1.8	3.1	4.3	5.6
142.5°	7.9	6.7	5.4	4.2	3.0	1.8	0.6	1.8	3.0	4.2	5.4
145°	7.7	6.5	5.3	4.1	3.0	1.8	0.6	1.8	3.0	4.1	5.3
147.5°	7.2	6.1	5.0	3.9	2.8	1.7	0.6	1.7	2.8	3.9	5.0
150°	6.7	5.6	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
152.5°	6.3	5.2	4.2	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2
155°	5.9	4.9	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
157.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
160°	5.0	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
162.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0	0.7	1.5	2.2	3.0
165°	3.8	3.1	2.5	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.5
167.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
170°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
172.5°	2.0	1.6	1.3	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.3
175°	1.3	1.1	0.9	0.7	0.4	0.2	0.0	0.2	0.4	0.7	0.9
177.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
5°	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.8	3.0
7.5°	1.6	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.0	4.3	4.6
10°	2.2	2.6	3.0	3.5	3.9	4.3	4.7	5.0	5.4	5.8	6.1
12.5°	2.7	3.2	3.7	4.2	4.8	5.3	5.8	6.3	6.7	7.2	7.7
15°	3.1	3.8	4.4	5.0	5.6	6.2	6.8	7.4	7.9	8.5	9.1
17.5°	3.7	4.4	5.1	5.8	6.5	7.2	7.8	8.4	9.1	9.7	10.4
20°	4.1	5.0	5.8	6.6	7.4	8.2	9.0	9.7	10.4	11.1	11.8
22.5°	4.6	5.5	6.4	7.3	8.2	9.1	9.9	10.8	11.6	12.5	13.3
25°	4.9	5.9	6.9	7.9	8.9	9.9	10.9	11.8	12.7	13.7	14.6
27.5°	5.2	6.3	7.3	8.4	9.4	10.4	11.5	12.6	13.8	14.8	15.8
30°	5.6	6.7	7.9	9.0	10.1	11.2	12.3	13.3	14.4	15.6	16.9
32.5°	6.1	7.2	8.4	9.6	10.8	11.9	13.1	14.2	15.4	16.5	17.7
35°	6.5	7.7	8.9	10.0	11.3	12.5	13.8	15.1	16.4	17.6	18.8
37.5°	6.7	7.9	9.2	10.6	11.8	13.0	14.3	15.6	17.1	18.6	19.9
40°	6.9	8.1	9.4	10.7	12.1	13.5	15.0	16.3	17.7	19.3	20.8
42.5°	7.1	8.4	9.8	11.1	12.4	13.7	15.2	17.0	18.6	20.1	21.6
45°	7.2	8.6	10.1	11.5	12.9	14.3	15.9	17.5	19.2	21.0	22.6
47.5°	7.2	8.6	10.0	11.6	13.2	14.9	16.5	18.2	19.9	21.7	23.5
50°	7.5	8.9	10.3	11.7	13.3	15.2	17.1	18.9	20.7	22.5	24.4
52.5°	7.7	9.1	10.6	12.1	13.8	15.5	17.3	19.4	21.3	23.3	25.3
55°	7.8	9.4	10.9	12.5	14.2	16.0	17.8	19.8	21.9	24.0	26.1
57.5°	7.6	9.2	10.9	12.7	14.4	16.3	18.3	20.3	22.4	24.6	26.8
60°	7.7	9.2	10.7	12.5	14.4	16.4	18.6	20.7	23.0	25.3	27.8
62.5°	7.3	8.9	10.6	12.3	14.3	16.3	18.5	21.1	23.4	25.9	28.6
65°	6.8	8.4	10.2	12.0	14.0	16.3	18.6	20.9	23.7	26.4	29.3
67.5°	6.2	7.7	9.5	11.6	13.7	16.0	18.5	20.9	23.7	26.7	29.9
70°	5.8	7.2	9.0	11.0	13.3	15.4	17.9	20.8	23.6	26.9	30.4
72.5°	5.3	6.8	8.5	10.3	12.4	14.8	17.2	20.4	23.7	27.0	30.7
75°	4.7	6.2	7.8	9.5	11.6	14.2	16.8	19.9	23.7	27.2	31.1
77.5°	4.2	5.3	6.9	8.7	10.9	13.6	16.5	19.4	23.6	27.4	31.4
80°	3.2	4.3	6.0	8.0	10.3	13.1	16.0	19.0	22.9	27.2	31.7
82.5°	1.9	3.2	5.1	7.4	9.8	12.3	15.2	18.4	22.4	27.1	32.0
85°	0.7	2.7	4.9	7.3	9.5	11.7	14.6	17.9	22.1	27.1	32.4
87.5°	0.3	3.0	5.3	7.4	9.5	11.5	14.1	17.6	22.2	27.4	33.1
90°	0.0	3.6	6.1	7.9	9.7	11.5	14.0	17.6	22.5	27.9	34.0
92.5°	0.3	3.0	5.3	7.4	9.5	11.5	14.1	17.6	22.2	27.4	33.1
95°	0.7	2.7	4.9	7.3	9.5	11.7	14.6	17.9	22.1	27.1	32.4
97.5°	1.9	3.2	5.1	7.4	9.8	12.3	15.2	18.4	22.4	27.1	32.0
100°	3.2	4.3	6.0	8.0	10.3	13.1	16.0	19.0	22.9	27.2	31.7
102.5°	4.2	5.3	6.9	8.7	10.9	13.6	16.5	19.4	23.6	27.4	31.4
105°	4.7	6.2	7.8	9.5	11.6	14.2	16.8	19.9	23.7	27.2	31.1
107.5°	5.3	6.8	8.5	10.3	12.4	14.8	17.2	20.4	23.7	27.0	30.7
110°	5.8	7.2	9.0	11.0	13.3	15.4	17.9	20.8	23.6	26.9	30.4



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	6.2	7.7	9.5	11.6	13.7	16.0	18.5	20.9	23.7	26.7	29.9
115°	6.8	8.4	10.2	12.0	14.0	16.3	18.6	20.9	23.7	26.4	29.3
117.5°	7.3	8.9	10.6	12.3	14.3	16.3	18.5	21.1	23.4	25.9	28.6
120°	7.7	9.2	10.7	12.5	14.4	16.4	18.6	20.7	23.0	25.3	27.8
122.5°	7.6	9.2	10.9	12.7	14.4	16.3	18.3	20.3	22.4	24.6	26.8
125°	7.8	9.4	10.9	12.5	14.2	16.0	17.8	19.8	21.9	24.0	26.1
127.5°	7.7	9.1	10.6	12.1	13.8	15.5	17.3	19.4	21.3	23.3	25.3
130°	7.5	8.9	10.3	11.7	13.3	15.2	17.1	18.9	20.7	22.5	24.4
132.5°	7.2	8.6	10.0	11.6	13.2	14.9	16.5	18.2	19.9	21.7	23.5
135°	7.2	8.6	10.1	11.5	12.9	14.3	15.9	17.5	19.2	21.0	22.6
137.5°	7.1	8.4	9.8	11.1	12.4	13.7	15.2	17.0	18.6	20.1	21.6
140°	6.9	8.1	9.4	10.7	12.1	13.5	15.0	16.3	17.7	19.3	20.8
142.5°	6.7	7.9	9.2	10.6	11.8	13.0	14.3	15.6	17.1	18.6	19.9
145°	6.5	7.7	8.9	10.0	11.3	12.5	13.8	15.1	16.4	17.6	18.8
147.5°	6.1	7.2	8.4	9.6	10.8	11.9	13.1	14.2	15.4	16.5	17.7
150°	5.6	6.7	7.9	9.0	10.1	11.2	12.3	13.3	14.4	15.6	16.9
152.5°	5.2	6.3	7.3	8.4	9.4	10.4	11.5	12.6	13.8	14.8	15.8
155°	4.9	5.9	6.9	7.9	8.9	9.9	10.9	11.8	12.7	13.7	14.6
157.5°	4.6	5.5	6.4	7.3	8.2	9.1	9.9	10.8	11.6	12.5	13.3
160°	4.1	5.0	5.8	6.6	7.4	8.2	9.0	9.7	10.4	11.1	11.8
162.5°	3.7	4.4	5.1	5.8	6.5	7.2	7.8	8.4	9.1	9.7	10.4
165°	3.1	3.8	4.4	5.0	5.6	6.2	6.8	7.4	7.9	8.5	9.1
167.5°	2.7	3.2	3.7	4.2	4.8	5.3	5.8	6.3	6.7	7.2	7.7
170°	2.2	2.6	3.0	3.5	3.9	4.3	4.7	5.0	5.4	5.8	6.1
172.5°	1.6	2.0	2.3	2.6	2.9	3.2	3.5	3.8	4.0	4.3	4.6
175°	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.8	3.0
177.5°	0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.5	2.6
5°	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5
7.5°	4.8	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.4	6.5	6.6
10°	6.5	6.8	7.1	7.4	7.7	8.0	8.2	8.5	8.7	8.8	9.0
12.5°	8.1	8.5	8.9	9.3	9.6	10.0	10.3	10.6	10.9	11.1	11.4
15°	9.6	10.1	10.7	11.2	11.6	12.0	12.4	12.7	13.1	13.4	13.6
17.5°	11.0	11.6	12.2	12.8	13.4	13.9	14.5	14.9	15.3	15.6	15.9
20°	12.4	13.1	13.8	14.4	15.1	15.7	16.3	16.9	17.5	17.9	18.3
22.5°	14.0	14.7	15.4	16.0	16.7	17.4	18.1	18.8	19.5	20.1	20.6
25°	15.5	16.4	17.2	17.9	18.5	19.1	19.9	20.7	21.4	22.1	23.5
27.5°	16.8	17.8	18.7	19.6	20.5	21.1	22.2	23.7	25.3	27.1	29.0
30°	18.1	19.1	20.2	21.3	22.7	24.2	25.6	27.2	29.0	31.3	33.7
32.5°	18.9	20.4	21.9	23.2	24.7	26.4	28.2	30.2	32.2	34.7	37.6
35°	20.1	21.4	23.0	24.7	26.4	28.1	30.1	32.5	35.0	37.6	41.0
37.5°	21.2	22.6	24.1	25.8	27.7	29.7	31.7	34.2	37.1	40.3	43.7
40°	22.4	23.8	25.3	26.9	28.7	30.9	33.2	35.6	38.8	42.3	46.3
42.5°	23.3	24.9	26.4	28.1	29.8	31.9	34.4	37.1	40.0	44.0	48.5
45°	24.3	25.9	27.6	29.3	31.0	33.0	35.5	38.3	41.4	45.4	50.2
47.5°	25.3	27.0	28.8	30.4	32.3	34.3	36.5	39.5	42.8	46.4	51.8
50°	26.2	28.1	30.0	31.7	33.5	35.5	37.8	40.8	45.1	49.3	53.9
52.5°	27.3	29.1	31.1	33.1	34.8	38.0	41.7	45.6	49.7	53.5	56.9
55°	28.2	30.3	32.4	35.5	38.9	42.4	46.4	50.7	54.8	58.3	60.9
57.5°	29.2	32.1	35.2	38.5	42.5	46.6	50.9	55.6	60.2	63.6	65.7
60°	30.6	33.8	37.4	41.1	45.5	50.3	55.2	60.4	65.4	69.0	71.0
62.5°	31.7	35.2	39.2	43.5	48.1	53.5	59.1	64.9	70.5	74.8	76.7
65°	32.6	36.3	40.6	45.5	50.5	56.4	62.8	69.2	75.5	80.9	82.8
67.5°	33.4	37.2	41.9	47.2	52.9	59.1	66.2	73.4	80.5	86.8	88.7
70°	34.0	38.1	43.0	48.7	55.0	61.6	69.4	77.4	85.2	91.7	93.2
72.5°	34.7	39.0	43.9	50.1	56.9	63.8	71.4	79.1	85.9	91.0	92.6
75°	35.4	39.9	45.2	51.5	58.3	65.3	72.7	80.2	86.6	90.9	92.1
77.5°	36.0	41.1	46.6	53.0	60.0	67.1	74.2	81.5	87.7	91.1	91.8
80°	36.7	42.2	48.1	54.6	61.8	69.1	76.1	83.2	89.3	91.8	91.6
82.5°	37.4	43.5	49.7	56.5	63.9	71.3	78.2	85.1	91.1	92.6	91.5
85°	38.2	44.9	51.5	58.6	66.2	73.8	80.7	87.3	93.2	93.7	91.4
87.5°	39.3	46.6	53.5	61.0	68.8	76.5	83.3	89.6	95.4	94.8	91.2
90°	40.7	48.5	55.8	63.7	71.6	79.5	86.2	92.2	97.7	95.9	91.0
92.5°	39.3	46.6	53.5	61.0	68.8	76.5	83.3	89.6	95.4	94.8	91.2
95°	38.2	44.9	51.5	58.6	66.2	73.8	80.7	87.3	93.2	93.7	91.4
97.5°	37.4	43.5	49.7	56.5	63.9	71.3	78.2	85.1	91.1	92.6	91.5
100°	36.7	42.2	48.1	54.6	61.8	69.1	76.1	83.2	89.3	91.8	91.6
102.5°	36.0	41.1	46.6	53.0	60.0	67.1	74.2	81.5	87.7	91.1	91.8
105°	35.4	39.9	45.2	51.5	58.3	65.3	72.7	80.2	86.6	90.9	92.1
107.5°	34.7	39.0	43.9	50.1	56.9	63.8	71.4	79.1	85.9	91.0	92.6
110°	34.0	38.1	43.0	48.7	55.0	61.6	69.4	77.4	85.2	91.7	93.2



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	33.4	37.2	41.9	47.2	52.9	59.1	66.2	73.4	80.5	86.8	88.7
115°	32.6	36.3	40.6	45.5	50.5	56.4	62.8	69.2	75.5	80.9	82.8
117.5°	31.7	35.2	39.2	43.5	48.1	53.5	59.1	64.9	70.5	74.8	76.7
120°	30.6	33.8	37.4	41.1	45.5	50.3	55.2	60.4	65.4	69.0	71.0
122.5°	29.2	32.1	35.2	38.5	42.5	46.6	50.9	55.6	60.2	63.6	65.7
125°	28.2	30.3	32.4	35.5	38.9	42.4	46.4	50.7	54.8	58.3	60.9
127.5°	27.3	29.1	31.1	33.1	34.8	38.0	41.7	45.6	49.7	53.5	56.9
130°	26.2	28.1	30.0	31.7	33.5	35.5	37.8	40.8	45.1	49.3	53.9
132.5°	25.3	27.0	28.8	30.4	32.3	34.3	36.5	39.5	42.8	46.4	51.8
135°	24.3	25.9	27.6	29.3	31.0	33.0	35.5	38.3	41.4	45.4	50.2
137.5°	23.3	24.9	26.4	28.1	29.8	31.9	34.4	37.1	40.0	44.0	48.5
140°	22.4	23.8	25.3	26.9	28.7	30.9	33.2	35.6	38.8	42.3	46.3
142.5°	21.2	22.6	24.1	25.8	27.7	29.7	31.7	34.2	37.1	40.3	43.7
145°	20.1	21.4	23.0	24.7	26.4	28.1	30.1	32.5	35.0	37.6	41.0
147.5°	18.9	20.4	21.9	23.2	24.7	26.4	28.2	30.2	32.2	34.7	37.6
150°	18.1	19.1	20.2	21.3	22.7	24.2	25.6	27.2	29.0	31.3	33.7
152.5°	16.8	17.8	18.7	19.6	20.5	21.1	22.2	23.7	25.3	27.1	29.0
155°	15.5	16.4	17.2	17.9	18.5	19.1	19.9	20.7	21.4	22.1	23.5
157.5°	14.0	14.7	15.4	16.0	16.7	17.4	18.1	18.8	19.5	20.1	20.6
160°	12.4	13.1	13.8	14.4	15.1	15.7	16.3	16.9	17.5	17.9	18.3
162.5°	11.0	11.6	12.2	12.8	13.4	13.9	14.5	14.9	15.3	15.6	15.9
165°	9.6	10.1	10.7	11.2	11.6	12.0	12.4	12.7	13.1	13.4	13.6
167.5°	8.1	8.5	8.9	9.3	9.6	10.0	10.3	10.6	10.9	11.1	11.4
170°	6.5	6.8	7.1	7.4	7.7	8.0	8.2	8.5	8.7	8.8	9.0
172.5°	4.8	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.4	6.5	6.6
175°	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5
177.5°	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.5	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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.4
5°	4.7	4.8	4.9	5.0	5.2	5.3	5.4	5.4	5.5	5.6	6.2
7.5°	6.8	6.8	7.0	7.2	7.4	7.6	7.7	7.9	8.0	8.1	9.0
10°	9.1	9.2	9.3	9.4	9.6	9.8	10.0	10.2	10.4	10.6	11.8
12.5°	11.5	11.7	11.8	11.8	11.9	12.1	12.4	12.6	12.9	13.1	14.6
15°	13.9	14.1	14.2	14.3	14.3	14.3	14.7	15.0	15.3	15.6	17.4
17.5°	16.2	16.5	16.7	16.8	16.8	16.8	16.9	17.4	17.7	18.1	20.1
20°	18.6	18.9	19.1	19.4	19.4	19.3	19.2	19.7	20.2	20.6	22.9
22.5°	20.9	21.3	21.6	21.8	21.9	21.9	21.7	22.0	22.6	23.1	25.6
25°	24.8	26.1	27.3	28.3	29.2	29.6	29.7	29.9	30.4	30.8	33.4
27.5°	31.1	32.9	34.7	36.2	37.4	38.2	38.1	38.0	38.3	38.5	41.1
30°	36.4	39.1	41.5	43.9	45.4	46.9	46.6	46.2	46.2	46.1	48.9
32.5°	40.9	44.4	47.8	50.9	53.3	55.1	55.2	54.6	54.2	53.8	56.6
35°	44.7	49.0	53.5	57.4	60.9	63.1	63.8	63.0	62.3	61.5	64.3
37.5°	48.2	53.0	58.4	63.5	68.5	71.1	72.6	71.4	70.3	69.2	71.9
40°	51.0	56.5	62.8	69.2	74.9	78.9	81.3	79.9	78.4	76.8	79.6
42.5°	53.4	59.7	66.7	74.7	81.2	86.6	90.1	88.5	86.6	84.5	87.2
45°	55.8	62.5	70.2	79.0	87.2	94.1	98.1	97.0	94.7	92.2	94.7
47.5°	57.8	64.1	71.7	80.2	88.4	95.7	99.8	100.2	99.4	99.1	103.9
50°	58.9	64.3	71.4	79.4	87.8	95.6	100.7	102.9	103.9	106.0	113.3
52.5°	60.9	65.5	71.5	78.9	87.3	95.3	101.5	105.4	108.2	112.8	122.9
55°	63.8	67.2	71.9	78.6	87.0	95.1	102.2	107.6	112.3	119.7	132.6
57.5°	67.5	69.5	72.8	78.8	86.8	95.0	102.8	109.7	116.3	126.6	142.4
60°	71.8	72.3	74.2	79.5	86.9	95.0	103.3	111.5	120.1	133.5	152.3
62.5°	76.7	75.7	76.4	80.5	87.1	95.1	103.8	113.3	123.9	140.3	162.4
65°	82.0	79.8	79.0	81.7	87.5	95.2	104.2	114.9	127.5	147.2	172.5
67.5°	87.5	84.3	81.9	83.1	88.1	95.5	104.6	116.3	131.1	154.1	182.7
70°	90.9	86.5	82.9	83.1	87.6	94.6	103.6	115.4	130.1	153.0	182.2
72.5°	90.1	85.9	82.5	82.5	86.8	93.7	102.6	114.4	129.2	151.8	181.5
75°	89.4	85.2	82.0	82.0	86.1	92.8	101.6	113.5	128.4	150.7	181.9
77.5°	88.7	84.2	81.4	81.4	85.6	92.1	100.7	112.7	127.6	149.5	180.8
80°	87.9	83.1	80.8	81.0	85.0	91.3	99.8	111.8	126.9	148.4	179.7
82.5°	87.1	81.8	80.0	80.5	84.6	90.7	99.0	111.1	126.2	147.2	178.6
85°	86.3	80.5	79.3	80.1	84.2	90.1	98.3	110.4	125.5	146.1	177.6
87.5°	85.3	79.1	78.5	79.8	83.9	89.6	97.7	109.8	125.0	144.9	176.5
90°	84.3	77.7	77.7	79.5	83.7	89.2	97.1	109.2	124.4	143.8	175.4
92.5°	85.3	79.1	78.5	79.8	83.9	89.6	97.7	109.8	125.0	144.9	176.5
95°	86.3	80.5	79.3	80.1	84.2	90.1	98.3	110.4	125.5	146.1	177.6
97.5°	87.1	81.8	80.0	80.5	84.6	90.7	99.0	111.1	126.2	147.2	178.6
100°	87.9	83.1	80.8	81.0	85.0	91.3	99.8	111.8	126.9	148.4	179.7
102.5°	88.7	84.2	81.4	81.4	85.6	92.1	100.7	112.7	127.6	149.5	180.8
105°	89.4	85.2	82.0	82.0	86.1	92.8	101.6	113.5	128.4	150.7	181.9
107.5°	90.1	85.9	82.5	82.5	86.8	93.7	102.6	114.4	129.2	151.8	181.5
110°	90.9	86.5	82.9	83.1	87.6	94.6	103.6	115.4	130.1	153.0	182.2



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	87.5	84.3	81.9	83.1	88.1	95.5	104.6	116.3	131.1	154.1	182.7
115°	82.0	79.8	79.0	81.7	87.5	95.2	104.2	114.9	127.5	147.2	172.5
117.5°	76.7	75.7	76.4	80.5	87.1	95.1	103.8	113.3	123.9	140.3	162.4
120°	71.8	72.3	74.2	79.5	86.9	95.0	103.3	111.5	120.1	133.5	152.3
122.5°	67.5	69.5	72.8	78.8	86.8	95.0	102.8	109.7	116.3	126.6	142.4
125°	63.8	67.2	71.9	78.6	87.0	95.1	102.2	107.6	112.3	119.7	132.6
127.5°	60.9	65.5	71.5	78.9	87.3	95.3	101.5	105.4	108.2	112.8	122.9
130°	58.9	64.3	71.4	79.4	87.8	95.6	100.7	102.9	103.9	106.0	113.3
132.5°	57.8	64.1	71.7	80.2	88.4	95.7	99.8	100.2	99.4	99.1	103.9
135°	55.8	62.5	70.2	79.0	87.2	94.1	98.1	97.0	94.7	92.2	94.7
137.5°	53.4	59.7	66.7	74.7	81.2	86.6	90.1	88.5	86.6	84.5	87.2
140°	51.0	56.5	62.8	69.2	74.9	78.9	81.3	79.9	78.4	76.8	79.6
142.5°	48.2	53.0	58.4	63.5	68.5	71.1	72.6	71.4	70.3	69.2	71.9
145°	44.7	49.0	53.5	57.4	60.9	63.1	63.8	63.0	62.3	61.5	64.3
147.5°	40.9	44.4	47.8	50.9	53.3	55.1	55.2	54.6	54.2	53.8	56.6
150°	36.4	39.1	41.5	43.9	45.4	46.9	46.6	46.2	46.2	46.1	48.9
152.5°	31.1	32.9	34.7	36.2	37.4	38.2	38.1	38.0	38.3	38.5	41.1
155°	24.8	26.1	27.3	28.3	29.2	29.6	29.7	29.9	30.4	30.8	33.4
157.5°	20.9	21.3	21.6	21.8	21.9	21.9	21.7	22.0	22.6	23.1	25.6
160°	18.6	18.9	19.1	19.4	19.4	19.3	19.2	19.7	20.2	20.6	22.9
162.5°	16.2	16.5	16.7	16.8	16.8	16.8	16.9	17.4	17.7	18.1	20.1
165°	13.9	14.1	14.2	14.3	14.3	14.3	14.7	15.0	15.3	15.6	17.4
167.5°	11.5	11.7	11.8	11.8	11.9	12.1	12.4	12.6	12.9	13.1	14.6
170°	9.1	9.2	9.3	9.4	9.6	9.8	10.0	10.2	10.4	10.6	11.8
172.5°	6.8	6.8	7.0	7.2	7.4	7.6	7.7	7.9	8.0	8.1	9.0
175°	4.7	4.8	4.9	5.0	5.2	5.3	5.4	5.4	5.5	5.6	6.2
177.5°	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.4
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	3.7	4.0	4.3	4.6	4.9	5.2	5.4	5.7	5.9	6.2	6.4
5°	6.8	7.4	8.0	8.6	9.1	9.7	10.2	10.7	11.2	11.6	12.1
7.5°	9.9	10.8	11.7	12.5	13.3	14.1	15.0	16.0	17.0	18.0	18.9
10°	13.0	14.1	15.3	16.4	17.6	19.0	20.4	21.8	23.2	24.5	25.8
12.5°	16.0	17.5	18.9	20.4	22.3	24.1	25.9	27.6	29.4	31.3	33.2
15°	19.1	20.8	22.5	24.8	27.0	29.1	31.2	33.5	35.8	38.0	40.4
17.5°	22.1	24.0	26.4	29.0	31.6	34.1	36.7	39.2	41.7	44.1	46.3
20°	25.1	27.3	30.3	33.3	36.1	39.0	41.8	44.5	47.2	49.8	52.3
22.5°	28.1	30.9	34.2	37.4	40.5	43.5	46.5	49.5	52.5	55.4	58.1
25°	35.8	38.9	42.2	45.3	48.1	50.7	53.4	56.0	58.4	60.3	63.1
27.5°	43.7	47.2	50.7	53.9	56.9	59.8	62.6	65.2	67.3	69.3	71.3
30°	51.5	55.4	59.2	62.4	65.8	68.5	71.4	73.7	75.9	78.1	80.2
32.5°	59.4	63.5	67.4	70.8	74.1	77.1	79.7	82.0	84.2	86.4	89.3
35°	67.4	71.6	75.5	79.1	82.3	85.5	87.7	90.0	92.2	94.8	98.4
37.5°	75.2	79.7	83.6	87.3	90.4	93.1	95.5	97.7	100.1	103.4	107.2
40°	83.1	87.6	91.6	95.2	98.2	100.7	102.9	105.0	107.9	111.4	116.8
42.5°	90.9	95.5	99.6	103.0	105.8	108.1	110.1	112.1	115.5	120.1	125.9
45°	98.6	103.3	107.4	110.5	113.1	115.2	117.0	119.4	122.8	128.7	135.2
47.5°	110.5	117.3	123.1	125.8	126.8	126.9	126.8	127.5	130.7	137.3	144.1
50°	122.9	132.6	140.8	144.3	144.5	144.2	144.5	145.9	148.7	152.3	156.5
52.5°	135.7	148.4	158.5	163.2	161.7	161.6	162.7	164.6	167.7	171.1	175.2
55°	148.8	164.6	176.4	181.4	178.4	179.1	181.0	183.4	186.2	189.1	192.9
57.5°	162.2	181.3	194.6	199.0	195.1	196.7	199.3	201.8	204.1	206.4	209.7
60°	175.9	198.3	212.9	216.2	212.4	214.4	217.7	219.9	221.4	223.0	224.9
62.5°	189.8	215.6	231.4	233.2	229.8	232.5	236.0	237.6	238.1	238.7	239.2
65°	203.9	233.2	250.0	250.0	247.2	250.5	253.9	254.7	254.2	253.7	252.6
67.5°	218.1	251.0	268.6	266.6	264.6	268.6	271.6	271.4	269.8	267.8	265.0
70°	218.1	252.6	273.7	274.9	275.5	279.7	282.8	283.3	282.4	280.5	276.7
72.5°	217.5	252.9	277.1	282.1	283.6	286.2	287.9	287.9	286.6	284.3	281.4
75°	216.7	253.1	280.9	290.0	291.4	292.3	292.9	292.4	290.8	288.0	285.4
77.5°	215.8	253.0	284.9	298.5	299.0	298.0	297.7	297.0	294.9	291.9	289.7
80°	215.7	252.8	288.9	307.4	306.5	303.4	302.4	301.5	299.0	295.8	294.1
82.5°	214.0	253.5	294.4	316.6	313.8	308.6	307.1	306.1	303.1	299.7	298.6
85°	212.2	252.3	297.6	326.4	320.9	313.5	311.7	310.6	307.2	303.7	303.2
87.5°	210.5	251.2	300.8	335.3	328.3	318.8	316.3	315.2	311.3	307.7	307.8
90°	208.7	250.0	304.0	344.1	335.6	324.0	321.0	319.8	315.5	311.9	312.5
92.5°	210.5	251.2	300.8	335.3	328.3	318.8	316.3	315.2	311.3	307.7	307.8
95°	212.2	252.3	297.6	326.4	320.9	313.5	311.7	310.6	307.2	303.7	303.2
97.5°	214.0	253.5	294.4	316.6	313.8	308.6	307.1	306.1	303.1	299.7	298.6
100°	215.7	252.8	288.9	307.4	306.5	303.4	302.4	301.5	299.0	295.8	294.1
102.5°	215.8	253.0	284.9	298.5	299.0	298.0	297.7	297.0	294.9	291.9	289.7
105°	216.7	253.1	280.9	290.0	291.4	292.3	292.9	292.4	290.8	288.0	285.4
107.5°	217.5	252.9	277.1	282.1	283.6	286.2	287.9	287.9	286.6	284.3	281.4
110°	218.1	252.6	273.7	274.9	275.5	279.7	282.8	283.3	282.4	280.5	276.7



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	218.1	251.0	268.6	266.6	264.6	268.6	271.6	271.4	269.8	267.8	265.0
115°	203.9	233.2	250.0	250.0	247.2	250.5	253.9	254.7	254.2	253.7	252.6
117.5°	189.8	215.6	231.4	233.2	229.8	232.5	236.0	237.6	238.1	238.7	239.2
120°	175.9	198.3	212.9	216.2	212.4	214.4	217.7	219.9	221.4	223.0	224.9
122.5°	162.2	181.3	194.6	199.0	195.1	196.7	199.3	201.8	204.1	206.4	209.7
125°	148.8	164.6	176.4	181.4	178.4	179.1	181.0	183.4	186.2	189.1	192.9
127.5°	135.7	148.4	158.5	163.2	161.7	161.6	162.7	164.6	167.7	171.1	175.2
130°	122.9	132.6	140.8	144.3	144.5	144.2	144.5	145.9	148.7	152.3	156.5
132.5°	110.5	117.3	123.1	125.8	126.8	126.9	126.8	127.5	130.7	137.3	144.1
135°	98.6	103.3	107.4	110.5	113.1	115.2	117.0	119.4	122.8	128.7	135.2
137.5°	90.9	95.5	99.6	103.0	105.8	108.1	110.1	112.1	115.5	120.1	125.9
140°	83.1	87.6	91.6	95.2	98.2	100.7	102.9	105.0	107.9	111.4	116.8
142.5°	75.2	79.7	83.6	87.3	90.4	93.1	95.5	97.7	100.1	103.4	107.2
145°	67.4	71.6	75.5	79.1	82.3	85.5	87.7	90.0	92.2	94.8	98.4
147.5°	59.4	63.5	67.4	70.8	74.1	77.1	79.7	82.0	84.2	86.4	89.3
150°	51.5	55.4	59.2	62.4	65.8	68.5	71.4	73.7	75.9	78.1	80.2
152.5°	43.7	47.2	50.7	53.9	56.9	59.8	62.6	65.2	67.3	69.3	71.3
155°	35.8	38.9	42.2	45.3	48.1	50.7	53.4	56.0	58.4	60.3	63.1
157.5°	28.1	30.9	34.2	37.4	40.5	43.5	46.5	49.5	52.5	55.4	58.1
160°	25.1	27.3	30.3	33.3	36.1	39.0	41.8	44.5	47.2	49.8	52.3
162.5°	22.1	24.0	26.4	29.0	31.6	34.1	36.7	39.2	41.7	44.1	46.3
165°	19.1	20.8	22.5	24.8	27.0	29.1	31.2	33.5	35.8	38.0	40.4
167.5°	16.0	17.5	18.9	20.4	22.3	24.1	25.9	27.6	29.4	31.3	33.2
170°	13.0	14.1	15.3	16.4	17.6	19.0	20.4	21.8	23.2	24.5	25.8
172.5°	9.9	10.8	11.7	12.5	13.3	14.1	15.0	16.0	17.0	18.0	18.9
175°	6.8	7.4	8.0	8.6	9.1	9.7	10.2	10.7	11.2	11.6	12.1
177.5°	3.7	4.0	4.3	4.6	4.9	5.2	5.4	5.7	5.9	6.2	6.4
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	6.6	6.8	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.0	8.1
5°	12.7	13.3	13.8	14.3	14.8	15.3	15.7	16.1	16.5	16.8	17.1
7.5°	19.8	20.7	21.5	22.3	23.1	24.1	24.9	25.8	26.6	27.3	28.0
10°	27.2	28.7	30.1	31.4	32.7	34.0	35.2	36.2	37.0	37.7	38.4
12.5°	35.0	36.8	38.4	39.8	41.1	42.4	43.5	44.6	45.6	46.8	48.1
15°	42.0	43.8	45.5	47.2	48.8	50.7	52.6	54.4	56.1	57.8	59.4
17.5°	48.5	50.8	52.8	55.1	57.3	59.6	61.7	63.8	65.8	67.8	69.6
20°	54.9	57.4	60.0	62.5	65.0	67.5	70.0	72.3	74.4	76.3	78.1
22.5°	60.8	63.6	66.4	69.2	72.1	74.9	77.7	80.2	82.5	84.2	85.5
25°	66.1	69.1	72.5	75.8	79.3	82.6	85.7	88.4	90.6	92.7	94.8
27.5°	73.4	75.7	78.9	83.0	87.4	91.5	95.4	98.6	101.9	104.6	106.9
30°	83.0	86.2	89.7	93.9	97.9	102.4	107.2	111.3	115.0	118.1	121.0
32.5°	92.7	96.6	101.3	105.9	111.0	115.9	120.9	125.6	129.6	132.9	136.0
35°	102.5	107.5	112.7	118.3	123.9	129.5	134.9	139.6	143.9	148.2	152.5
37.5°	112.6	118.2	124.3	130.5	136.8	142.7	148.0	153.3	158.7	164.4	170.5
40°	122.5	129.1	135.7	142.6	149.1	155.2	161.5	167.8	174.9	182.7	190.8
42.5°	132.6	139.5	147.0	154.2	161.0	168.2	175.3	183.9	193.4	202.8	212.9
45°	142.2	150.1	157.9	165.5	173.3	181.2	190.8	200.6	211.8	224.0	238.5
47.5°	152.0	160.3	168.5	177.0	185.6	195.6	206.2	217.9	231.9	247.4	266.2
50°	162.0	170.2	179.1	188.4	198.6	209.5	221.6	236.3	253.4	273.4	295.8
52.5°	180.2	185.6	192.1	200.0	211.6	223.2	237.6	255.1	276.0	300.7	330.4
55°	197.1	201.8	208.2	216.2	226.0	237.2	253.3	274.5	299.8	330.8	367.7
57.5°	212.6	216.7	222.9	231.6	242.8	257.2	273.9	294.3	325.5	363.4	405.1
60°	226.9	230.0	237.0	247.4	261.0	277.1	295.5	322.2	355.4	394.7	443.1
62.5°	240.1	243.1	250.4	262.7	279.3	296.5	318.5	348.2	386.5	431.5	482.4
65°	252.0	255.6	264.8	279.2	296.9	313.4	339.8	374.8	417.1	465.9	522.1
67.5°	262.9	267.2	278.7	295.6	312.5	331.7	360.1	397.9	444.5	498.5	559.5
70°	273.9	278.5	292.1	311.5	326.1	347.9	379.8	420.9	469.9	526.6	594.1
72.5°	281.3	289.0	305.3	325.6	338.4	362.6	396.3	440.0	491.3	552.2	619.9
75°	287.0	296.8	315.7	335.8	352.1	376.8	411.8	455.9	507.6	572.4	642.0
77.5°	292.5	304.2	326.0	346.1	364.6	391.0	427.1	471.8	525.8	590.2	659.2
80°	297.9	311.1	336.0	356.3	375.9	402.8	439.3	484.3	541.1	607.0	679.0
82.5°	303.2	317.5	345.6	366.3	385.9	412.6	448.7	493.5	552.4	619.3	693.7
85°	308.3	323.4	354.4	375.8	394.9	420.5	455.6	499.5	559.8	627.1	703.1
87.5°	313.3	329.0	363.0	385.3	403.3	427.4	461.0	503.9	565.0	632.5	709.7
90°	318.0	333.7	369.5	393.2	410.2	432.0	463.0	503.6	563.1	629.3	705.7
92.5°	313.3	329.0	363.0	385.3	403.3	427.4	461.0	503.9	565.0	632.5	709.7
95°	308.3	323.4	354.4	375.8	394.9	420.5	455.6	499.5	559.8	627.1	703.1
97.5°	303.2	317.5	345.6	366.3	385.9	412.6	448.7	493.5	552.4	619.3	693.7
100°	297.9	311.1	336.0	356.3	375.9	402.8	439.3	484.3	541.1	607.0	679.0
102.5°	292.5	304.2	326.0	346.1	364.6	391.0	427.1	471.8	525.8	590.2	659.2
105°	287.0	296.8	315.7	335.8	352.1	376.8	411.8	455.9	507.6	572.4	642.0
107.5°	281.3	289.0	305.3	325.6	338.4	362.6	396.3	440.0	491.3	552.2	619.9
110°	273.9	278.5	292.1	311.5	326.1	347.9	379.8	420.9	469.9	526.6	594.1



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	262.9	267.2	278.7	295.6	312.5	331.7	360.1	397.9	444.5	498.5	559.5
115°	252.0	255.6	264.8	279.2	296.9	313.4	339.8	374.8	417.1	465.9	522.1
117.5°	240.1	243.1	250.4	262.7	279.3	296.5	318.5	348.2	386.5	431.5	482.4
120°	226.9	230.0	237.0	247.4	261.0	277.1	295.5	322.2	355.4	394.7	443.1
122.5°	212.6	216.7	222.9	231.6	242.8	257.2	273.9	294.3	325.5	363.4	405.1
125°	197.1	201.8	208.2	216.2	226.0	237.2	253.3	274.5	299.8	330.8	367.7
127.5°	180.2	185.6	192.1	200.0	211.6	223.2	237.6	255.1	276.0	300.7	330.4
130°	162.0	170.2	179.1	188.4	198.6	209.5	221.6	236.3	253.4	273.4	295.8
132.5°	152.0	160.3	168.5	177.0	185.6	195.6	206.2	217.9	231.9	247.4	266.2
135°	142.2	150.1	157.9	165.5	173.3	181.2	190.8	200.6	211.8	224.0	238.5
137.5°	132.6	139.5	147.0	154.2	161.0	168.2	175.3	183.9	193.4	202.8	212.9
140°	122.5	129.1	135.7	142.6	149.1	155.2	161.5	167.8	174.9	182.7	190.8
142.5°	112.6	118.2	124.3	130.5	136.8	142.7	148.0	153.3	158.7	164.4	170.5
145°	102.5	107.5	112.7	118.3	123.9	129.5	134.9	139.6	143.9	148.2	152.5
147.5°	92.7	96.6	101.3	105.9	111.0	115.9	120.9	125.6	129.6	132.9	136.0
150°	83.0	86.2	89.7	93.9	97.9	102.4	107.2	111.3	115.0	118.1	121.0
152.5°	73.4	75.7	78.9	83.0	87.4	91.5	95.4	98.6	101.9	104.6	106.9
155°	66.1	69.1	72.5	75.8	79.3	82.6	85.7	88.4	90.6	92.7	94.8
157.5°	60.8	63.6	66.4	69.2	72.1	74.9	77.7	80.2	82.5	84.2	85.5
160°	54.9	57.4	60.0	62.5	65.0	67.5	70.0	72.3	74.4	76.3	78.1
162.5°	48.5	50.8	52.8	55.1	57.3	59.6	61.7	63.8	65.8	67.8	69.6
165°	42.0	43.8	45.5	47.2	48.8	50.7	52.6	54.4	56.1	57.8	59.4
167.5°	35.0	36.8	38.4	39.8	41.1	42.4	43.5	44.6	45.6	46.8	48.1
170°	27.2	28.7	30.1	31.4	32.7	34.0	35.2	36.2	37.0	37.7	38.4
172.5°	19.8	20.7	21.5	22.3	23.1	24.1	24.9	25.8	26.6	27.3	28.0
175°	12.7	13.3	13.8	14.3	14.8	15.3	15.7	16.1	16.5	16.8	17.1
177.5°	6.6	6.8	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.0	8.1
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: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	8.1	8.2	8.2	8.3	8.3	8.3	8.5	8.4	8.3	8.2	8.1
5°	17.4	17.6	17.8	17.9	18.0	18.1	18.2	18.2	18.4	18.2	18.0
7.5°	28.6	29.2	29.7	30.1	30.5	30.8	31.0	31.2	31.3	31.6	31.4
10°	39.0	39.5	40.0	40.4	40.7	41.0	41.2	41.3	41.3	41.6	41.3
12.5°	49.3	50.4	51.5	52.4	53.2	54.0	54.6	55.1	55.5	55.8	56.2
15°	60.9	62.3	63.5	64.7	65.8	66.8	67.6	68.3	68.9	69.4	70.0
17.5°	71.3	72.6	73.8	74.8	75.6	76.4	76.9	77.4	77.7	77.9	78.2
20°	79.7	80.9	81.5	81.8	82.0	81.9	81.7	81.3	80.7	80.1	79.4
22.5°	86.5	87.2	88.0	88.6	89.0	89.1	88.9	88.4	87.7	86.8	85.9
25°	96.5	97.7	98.6	99.2	99.4	99.2	98.7	97.9	96.8	95.4	93.7
27.5°	108.8	110.1	111.0	111.8	112.8	113.4	113.7	113.6	113.1	112.2	111.0
30°	123.1	125.3	127.1	128.7	130.8	132.5	133.9	134.9	135.4	135.5	135.0
32.5°	139.1	142.6	145.9	148.8	152.5	156.5	160.0	163.0	165.4	167.2	168.1
35°	156.7	162.3	168.2	173.9	179.5	185.7	191.3	196.3	200.6	204.0	206.4
37.5°	177.5	184.9	193.4	201.6	209.5	218.8	227.8	235.9	243.1	249.1	253.9
40°	199.9	209.5	221.2	233.5	245.5	257.9	270.5	281.9	292.0	300.6	307.6
42.5°	225.4	238.2	252.9	269.9	286.2	302.4	320.6	337.3	352.3	365.3	376.2
45°	253.8	271.7	289.3	312.0	335.0	359.5	380.8	403.0	423.0	440.4	455.0
47.5°	286.0	309.8	334.6	360.8	390.8	419.7	449.1	477.8	504.1	527.3	547.1
50°	323.6	352.6	385.2	417.1	452.4	489.0	525.3	561.2	592.7	619.6	641.7
52.5°	364.4	400.2	439.6	479.1	522.8	568.2	611.4	654.1	689.1	716.6	737.0
55°	406.9	450.9	497.3	549.0	602.7	662.5	715.2	752.2	779.9	800.5	814.4
57.5°	451.7	503.9	559.7	623.7	693.5	749.0	803.3	831.3	847.6	859.5	867.3
60°	497.7	557.0	624.4	692.2	757.1	812.3	855.4	882.1	893.4	902.4	908.6
62.5°	540.9	608.1	678.1	748.0	807.3	857.8	894.0	918.1	929.5	939.6	947.6
65°	584.3	649.8	723.5	794.0	856.1	904.7	932.4	950.0	959.5	969.1	977.4
67.5°	625.3	694.0	768.9	846.9	910.8	947.0	966.3	975.0	983.5	995.6	1003.5
70°	661.3	736.5	817.5	901.4	955.7	976.8	988.2	1000.1	1011.7	1018.9	1025.4
72.5°	692.8	772.0	857.5	931.8	977.7	995.8	1008.0	1018.9	1028.7	1037.6	1046.7
75°	718.5	799.8	884.3	956.0	996.8	1011.4	1021.6	1032.3	1043.2	1054.7	1064.3
77.5°	736.7	817.0	909.6	981.0	1011.9	1025.9	1034.5	1041.1	1053.1	1066.2	1079.1
80°	754.2	836.4	931.3	1004.3	1027.0	1039.4	1042.8	1051.3	1059.1	1074.2	1091.1
82.5°	769.2	855.8	951.9	1012.7	1036.4	1045.3	1050.9	1062.5	1071.6	1083.3	1096.9
85°	778.2	865.3	966.3	1018.1	1040.4	1047.8	1058.5	1073.0	1082.5	1090.6	1093.3
87.5°	784.0	865.7	972.9	1022.0	1043.3	1050.7	1061.4	1074.6	1081.7	1095.1	1103.7
90°	778.5	858.0	970.3	1022.5	1044.3	1053.4	1061.3	1072.8	1074.0	1091.0	1103.8
92.5°	784.0	865.7	972.9	1022.0	1043.3	1050.7	1061.4	1074.6	1081.7	1095.1	1103.7
95°	778.2	865.3	966.3	1018.1	1040.4	1047.8	1058.5	1073.0	1082.5	1090.6	1093.3
97.5°	769.2	855.8	951.9	1012.7	1036.4	1045.3	1050.9	1062.5	1071.6	1083.3	1096.9
100°	754.2	836.4	931.3	1004.3	1027.0	1039.4	1042.8	1051.3	1059.1	1074.2	1091.1
102.5°	736.7	817.0	909.6	981.0	1011.9	1025.9	1034.5	1041.1	1053.1	1066.2	1079.1
105°	718.5	799.8	884.3	956.0	996.8	1011.4	1021.6	1032.3	1043.2	1054.7	1064.3
107.5°	692.8	772.0	857.5	931.8	977.7	995.8	1008.0	1018.9	1028.7	1037.6	1046.7
110°	661.3	736.5	817.5	901.4	955.7	976.8	988.2	1000.1	1011.7	1018.9	1025.4



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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°	625.3	694.0	768.9	846.9	910.8	947.0	966.3	975.0	983.5	995.6	1003.5
115°	584.3	649.8	723.5	794.0	856.1	904.7	932.4	950.0	959.5	969.1	977.4
117.5°	540.9	608.1	678.1	748.0	807.3	857.8	894.0	918.1	929.5	939.6	947.6
120°	497.7	557.0	624.4	692.2	757.1	812.3	855.4	882.1	893.4	902.4	908.6
122.5°	451.7	503.9	559.7	623.7	693.5	749.0	803.3	831.3	847.6	859.5	867.3
125°	406.9	450.9	497.3	549.0	602.7	662.5	715.2	752.2	779.9	800.5	814.4
127.5°	364.4	400.2	439.6	479.1	522.8	568.2	611.4	654.1	689.1	716.6	737.0
130°	323.6	352.6	385.2	417.1	452.4	489.0	525.3	561.2	592.7	619.6	641.7
132.5°	286.0	309.8	334.6	360.8	390.8	419.7	449.1	477.8	504.1	527.3	547.1
135°	253.8	271.7	289.3	312.0	335.0	359.5	380.8	403.0	423.0	440.4	455.0
137.5°	225.4	238.2	252.9	269.9	286.2	302.4	320.6	337.3	352.3	365.3	376.2
140°	199.9	209.5	221.2	233.5	245.5	257.9	270.5	281.9	292.0	300.6	307.6
142.5°	177.5	184.9	193.4	201.6	209.5	218.8	227.8	235.9	243.1	249.1	253.9
145°	156.7	162.3	168.2	173.9	179.5	185.7	191.3	196.3	200.6	204.0	206.4
147.5°	139.1	142.6	145.9	148.8	152.5	156.5	160.0	163.0	165.4	167.2	168.1
150°	123.1	125.3	127.1	128.7	130.8	132.5	133.9	134.9	135.4	135.5	135.0
152.5°	108.8	110.1	111.0	111.8	112.8	113.4	113.7	113.6	113.1	112.2	111.0
155°	96.5	97.7	98.6	99.2	99.4	99.2	98.7	97.9	96.8	95.4	93.7
157.5°	86.5	87.2	88.0	88.6	89.0	89.1	88.9	88.4	87.7	86.8	85.9
160°	79.7	80.9	81.5	81.8	82.0	81.9	81.7	81.3	80.7	80.1	79.4
162.5°	71.3	72.6	73.8	74.8	75.6	76.4	76.9	77.4	77.7	77.9	78.2
165°	60.9	62.3	63.5	64.7	65.8	66.8	67.6	68.3	68.9	69.4	70.0
167.5°	49.3	50.4	51.5	52.4	53.2	54.0	54.6	55.1	55.5	55.8	56.2
170°	39.0	39.5	40.0	40.4	40.7	41.0	41.2	41.3	41.3	41.6	41.3
172.5°	28.6	29.2	29.7	30.1	30.5	30.8	31.0	31.2	31.3	31.6	31.4
175°	17.4	17.6	17.8	17.9	18.0	18.1	18.2	18.2	18.4	18.2	18.0
177.5°	8.1	8.2	8.2	8.3	8.3	8.3	8.5	8.4	8.3	8.2	8.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.6	0.6
2.5°	8.0	7.9
5°	17.8	17.6
7.5°	31.1	30.9
10°	41.0	40.7
12.5°	56.0	55.8
15°	69.9	69.8
17.5°	77.9	77.7
20°	78.5	77.7
22.5°	84.5	83.1
25°	91.9	89.8
27.5°	109.6	107.4
30°	134.2	132.3
32.5°	168.7	167.5
35°	208.4	208.1
37.5°	258.1	259.1
40°	313.8	316.1
42.5°	386.0	390.2
45°	468.2	474.5
47.5°	565.3	574.6
50°	661.4	671.1
52.5°	753.6	759.1
55°	824.6	825.3
57.5°	872.8	871.4
60°	913.7	912.6
62.5°	953.2	955.7
65°	983.9	987.9
67.5°	1007.6	1008.5
70°	1030.5	1033.4
72.5°	1053.4	1057.1
75°	1071.1	1075.3
77.5°	1086.2	1090.4
80°	1098.4	1097.7
82.5°	1106.9	1108.6
85°	1107.5	1117.7
87.5°	1102.5	1120.8
90°	1103.2	1107.4
92.5°	1102.5	1120.8
95°	1107.5	1117.7
97.5°	1106.9	1108.6
100°	1098.4	1097.7
102.5°	1086.2	1090.4
105°	1071.1	1075.3
107.5°	1053.4	1057.1
110°	1030.5	1033.4



TEST NUMBER: P231970

CATALOG NUMBER: FVS4WM-4-LD4-40-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1007.6	1008.5
115°	983.9	987.9
117.5°	953.2	955.7
120°	913.7	912.6
122.5°	872.8	871.4
125°	824.6	825.3
127.5°	753.6	759.1
130°	661.4	671.1
132.5°	565.3	574.6
135°	468.2	474.5
137.5°	386.0	390.2
140°	313.8	316.1
142.5°	258.1	259.1
145°	208.4	208.1
147.5°	168.7	167.5
150°	134.2	132.3
152.5°	109.6	107.4
155°	91.9	89.8
157.5°	84.5	83.1
160°	78.5	77.7
162.5°	77.9	77.7
165°	69.9	69.8
167.5°	56.0	55.8
170°	41.0	40.7
172.5°	31.1	30.9
175°	17.8	17.6
177.5°	8.0	7.9
180°	0.0	0.0

(END OF REPORT)