

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: P232019

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-23)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-50-1LO-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH P125 LENS
Light Source: (84) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

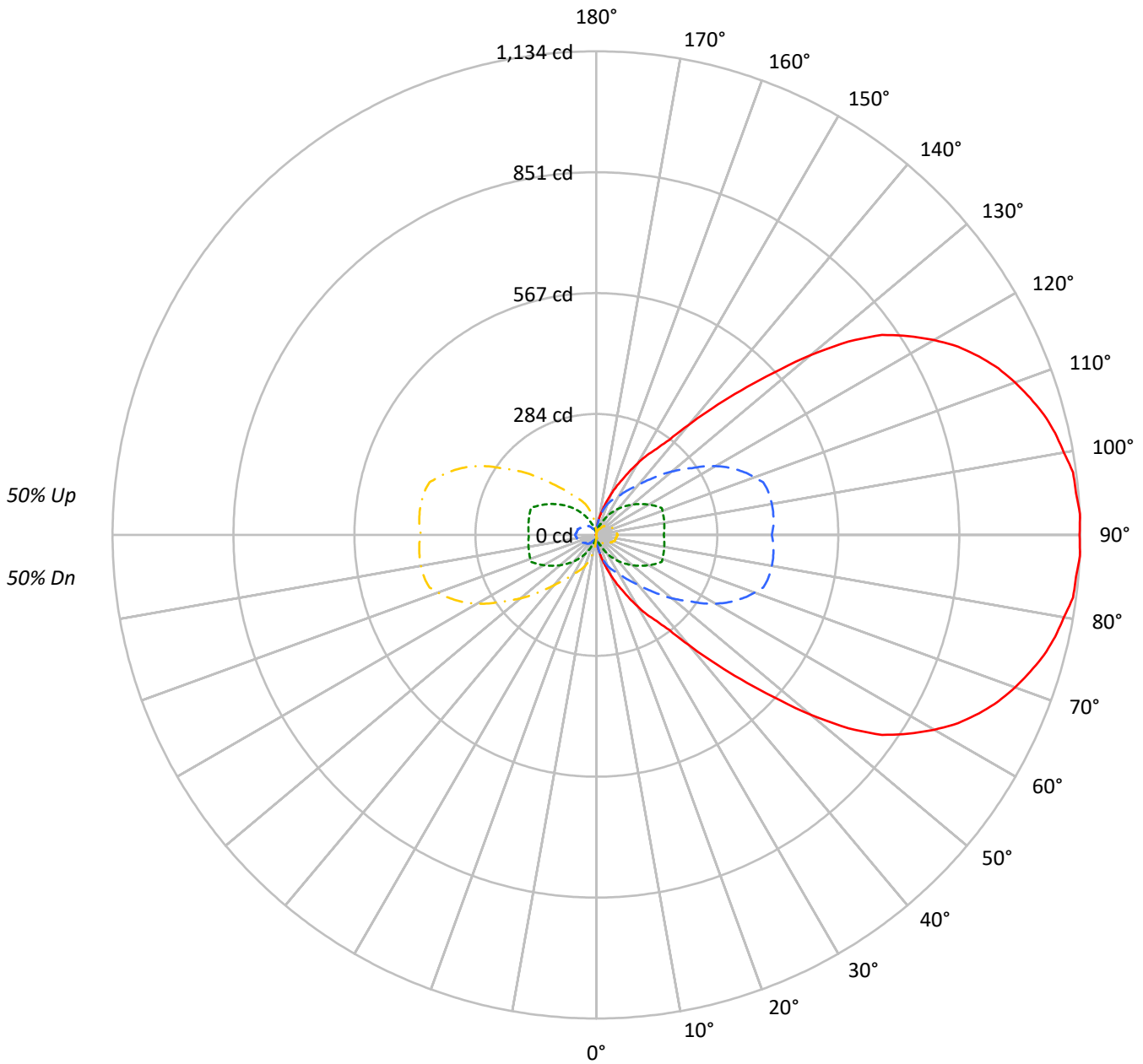
Lumens per Lamp: N/A
Luminaire Lumens: 2699.8 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	364	121	0	121
10°	650	245	0	245
15°	959	370	0	370
20°	1347	504	0	504
25°	1743	734	0	734
30°	2246	1077	0	1077
35°	2734	1457	0	1457
40°	3605	1886	0	1886
45°	4994	2383	0	2383
50°	6728	3003	0	3003
55°	8301	3762	0	3762
60°	9256	4718	0	4718
65°	10078	5980	0	5980
70°	10775	7331	7	7331
75°	11446	8866	7	8866
80°	12067	11387	0	11387
85°	12707	16222	0	16222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	9.4	0.3
20°-30°	26.3	1.0
30°-40°	57.0	2.1
40°-50°	110.8	4.1
50°-60°	192.3	7.1
60°-70°	271.7	10.1
70°-80°	326.8	12.1
80°-90°	354.3	13.1
90°-100°	354.3	13.1
100°-110°	326.8	12.1
110°-120°	271.7	10.1
120°-130°	192.3	7.1
130°-140°	110.8	4.1
140°-150°	57.0	2.1
150°-160°	26.3	1.0
160°-170°	9.4	0.3
170°-180°	1.3	0.0
0°-30°	37.0	1.4
0°-40°	94.0	3.5
0°-60°	397.0	14.7
0°-90°	1349.9	50.0
90°-120°	952.9	35.3
90°-150°	1312.9	48.6
90°-180°	1350.0	50.0
0°-180°	2699.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	21	6	0	6	21	3
15°	68	19	0	19	68	21
25°	143	36	0	36	143	68
35°	247	65	0	65	247	161
45°	478	95	0	95	478	379
55°	818	126	0	126	818	723
65°	990	158	0	158	990	980
75°	1087	163	1	163	1087	1146
85°	1128	160	0	160	1128	920
90°	1132	158	0	158	1132	621
95°	1128	160	0	160	1128	920
105°	1087	163	1	163	1087	1146
115°	990	158	0	158	990	980
125°	818	126	0	126	818	723
135°	478	95	0	95	478	379
145°	247	65	0	65	247	161
155°	143	36	0	36	143	68
165°	68	19	0	19	68	21
175°	21	6	0	6	21	3
180°	0	0	0	0	0	



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	9.8	9.9	10.1	10.2	10.3	10.5	10.6	10.3	10.3	10.2	10.2
5°	21.1	21.4	21.7	22.0	22.2	22.0	22.0	22.0	22.0	21.9	21.7
7.5°	32.3	32.7	33.2	33.6	33.5	33.7	33.8	33.8	33.7	33.6	33.4
10°	42.1	42.7	43.4	44.0	44.0	44.3	44.5	44.6	44.6	44.5	44.4
12.5°	52.7	53.5	54.2	54.5	54.9	55.2	55.4	55.5	55.5	55.4	55.2
15°	68.1	68.7	69.3	69.1	69.1	69.0	68.8	68.4	68.0	67.4	66.8
17.5°	85.0	85.3	85.5	84.8	84.4	83.8	83.1	82.2	81.2	80.1	78.9
20°	103.3	103.2	103.2	101.9	100.9	99.8	98.4	96.8	95.1	93.3	91.3
22.5°	122.2	121.8	121.4	119.6	118.1	116.4	114.4	112.2	109.9	107.3	104.5
25°	142.6	141.8	140.2	138.5	136.4	134.0	131.3	128.3	125.1	121.8	118.2
27.5°	167.2	165.9	163.6	161.0	158.0	154.6	150.7	146.5	141.9	137.0	132.4
30°	193.9	192.7	190.1	187.2	183.6	179.3	174.3	168.6	162.3	155.3	149.3
32.5°	222.0	221.2	218.7	215.8	212.0	207.3	201.7	195.1	187.7	179.6	171.4
35°	246.6	246.8	245.4	243.4	240.4	236.2	230.9	224.3	216.4	207.4	197.5
37.5°	281.0	282.1	280.8	278.8	275.4	270.5	264.1	256.2	247.0	237.7	226.8
40°	336.5	337.0	333.5	329.1	323.1	315.4	306.2	295.6	284.7	273.3	260.0
42.5°	402.5	401.7	395.9	389.0	380.1	369.2	356.6	342.5	328.7	314.1	298.4
45°	478.4	475.7	466.8	456.7	444.2	429.4	412.7	396.8	377.0	358.2	338.9
47.5°	561.3	558.1	547.0	534.2	517.8	498.0	474.9	451.1	428.6	405.2	383.4
50°	656.1	653.5	640.9	625.7	605.5	580.2	550.0	519.7	488.2	455.4	429.6
52.5°	744.6	744.5	733.8	719.8	699.7	673.5	640.9	603.7	559.6	516.5	480.0
55°	817.7	818.8	810.5	799.7	783.9	763.2	735.6	692.1	636.2	583.2	533.6
57.5°	867.6	869.3	864.1	857.0	846.4	832.5	810.2	763.7	713.5	648.5	588.3
60°	913.9	915.3	909.8	902.9	893.1	880.5	856.4	817.7	767.5	707.4	643.2
62.5°	956.1	955.3	951.1	943.7	933.6	921.0	896.9	862.5	815.8	759.3	691.7
65°	989.8	988.4	984.2	977.4	968.4	956.2	936.6	910.3	864.9	807.0	738.2
67.5°	1020.0	1018.4	1013.8	1006.3	996.3	984.5	969.9	948.1	916.9	859.3	786.0
70°	1044.6	1043.1	1038.8	1031.7	1022.2	1009.5	995.3	977.2	952.5	908.8	831.0
72.5°	1066.4	1063.3	1058.0	1051.4	1043.6	1030.1	1015.9	999.6	975.7	933.4	868.6
75°	1086.7	1081.7	1074.4	1067.0	1058.9	1046.8	1032.0	1016.7	997.7	957.7	893.3
77.5°	1101.5	1097.2	1089.5	1082.3	1073.6	1062.6	1047.1	1031.2	1012.3	981.8	919.4
80°	1112.7	1110.2	1103.4	1095.6	1086.1	1074.0	1060.2	1044.7	1025.4	1001.9	940.7
82.5°	1126.8	1120.0	1112.5	1102.2	1094.1	1081.9	1068.7	1053.6	1034.5	1009.9	958.4
85°	1128.2	1123.4	1119.7	1108.0	1098.7	1086.5	1072.8	1057.9	1038.3	1015.3	971.9
87.5°	1134.5	1127.7	1120.2	1107.6	1100.7	1088.1	1073.3	1060.2	1038.9	1018.8	979.4
90°	1132.4	1121.2	1117.7	1107.8	1098.7	1087.4	1071.3	1060.1	1036.9	1019.3	979.3
92.5°	1134.5	1127.7	1120.2	1107.6	1100.7	1088.1	1073.3	1060.2	1038.9	1018.8	979.4
95°	1128.2	1123.4	1119.7	1108.0	1098.7	1086.5	1072.8	1057.9	1038.3	1015.3	971.9
97.5°	1126.8	1120.0	1112.5	1102.2	1094.1	1081.9	1068.7	1053.6	1034.5	1009.9	958.4
100°	1112.7	1110.2	1103.4	1095.6	1086.1	1074.0	1060.2	1044.7	1025.4	1001.9	940.7
102.5°	1101.5	1097.2	1089.5	1082.3	1073.6	1062.6	1047.1	1031.2	1012.3	981.8	919.4
105°	1086.7	1081.7	1074.4	1067.0	1058.9	1046.8	1032.0	1016.7	997.7	957.7	893.3
107.5°	1066.4	1063.3	1058.0	1051.4	1043.6	1030.1	1015.9	999.6	975.7	933.4	868.6
110°	1044.6	1043.1	1038.8	1031.7	1022.2	1009.5	995.3	977.2	952.5	908.8	831.0



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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°	1020.0	1018.4	1013.8	1006.3	996.3	984.5	969.9	948.1	916.9	859.3	786.0
115°	989.8	988.4	984.2	977.4	968.4	956.2	936.6	910.3	864.9	807.0	738.2
117.5°	956.1	955.3	951.1	943.7	933.6	921.0	896.9	862.5	815.8	759.3	691.7
120°	913.9	915.3	909.8	902.9	893.1	880.5	856.4	817.7	767.5	707.4	643.2
122.5°	867.6	869.3	864.1	857.0	846.4	832.5	810.2	763.7	713.5	648.5	588.3
125°	817.7	818.8	810.5	799.7	783.9	763.2	735.6	692.1	636.2	583.2	533.6
127.5°	744.6	744.5	733.8	719.8	699.7	673.5	640.9	603.7	559.6	516.5	480.0
130°	656.1	653.5	640.9	625.7	605.5	580.2	550.0	519.7	488.2	455.4	429.6
132.5°	561.3	558.1	547.0	534.2	517.8	498.0	474.9	451.1	428.6	405.2	383.4
135°	478.4	475.7	466.8	456.7	444.2	429.4	412.7	396.8	377.0	358.2	338.9
137.5°	402.5	401.7	395.9	389.0	380.1	369.2	356.6	342.5	328.7	314.1	298.4
140°	336.5	337.0	333.5	329.1	323.1	315.4	306.2	295.6	284.7	273.3	260.0
142.5°	281.0	282.1	280.8	278.8	275.4	270.5	264.1	256.2	247.0	237.7	226.8
145°	246.6	246.8	245.4	243.4	240.4	236.2	230.9	224.3	216.4	207.4	197.5
147.5°	222.0	221.2	218.7	215.8	212.0	207.3	201.7	195.1	187.7	179.6	171.4
150°	193.9	192.7	190.1	187.2	183.6	179.3	174.3	168.6	162.3	155.3	149.3
152.5°	167.2	165.9	163.6	161.0	158.0	154.6	150.7	146.5	141.9	137.0	132.4
155°	142.6	141.8	140.2	138.5	136.4	134.0	131.3	128.3	125.1	121.8	118.2
157.5°	122.2	121.8	121.4	119.6	118.1	116.4	114.4	112.2	109.9	107.3	104.5
160°	103.3	103.2	103.2	101.9	100.9	99.8	98.4	96.8	95.1	93.3	91.3
162.5°	85.0	85.3	85.5	84.8	84.4	83.8	83.1	82.2	81.2	80.1	78.9
165°	68.1	68.7	69.3	69.1	69.1	69.0	68.8	68.4	68.0	67.4	66.8
167.5°	52.7	53.5	54.2	54.5	54.9	55.2	55.4	55.5	55.5	55.4	55.2
170°	42.1	42.7	43.4	44.0	44.0	44.3	44.5	44.6	44.6	44.5	44.4
172.5°	32.3	32.7	33.2	33.6	33.5	33.7	33.8	33.8	33.7	33.6	33.4
175°	21.1	21.4	21.7	22.0	22.2	22.0	22.0	22.0	22.0	21.9	21.7
177.5°	9.8	9.9	10.1	10.2	10.3	10.5	10.6	10.3	10.3	10.2	10.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.4
5°	21.5	21.3	21.0	20.7	20.3	19.9	19.4	18.9	18.4	17.8	17.2
7.5°	33.1	32.8	32.4	31.9	31.4	30.8	30.1	29.4	28.6	27.8	26.8
10°	44.1	43.8	43.4	42.9	42.3	41.6	40.8	39.8	38.8	37.6	36.4
12.5°	54.9	54.5	54.0	53.4	52.7	51.8	50.9	49.8	48.6	47.4	46.0
15°	66.1	65.3	64.4	63.7	62.8	61.9	60.8	59.7	58.5	57.0	55.3
17.5°	77.7	76.4	75.2	74.0	72.8	71.6	70.4	69.1	67.6	66.1	64.4
20°	89.2	87.3	85.6	83.8	82.1	80.4	78.9	77.4	76.1	74.7	73.0
22.5°	101.8	99.1	96.3	93.5	90.7	88.5	86.5	84.7	83.0	81.5	80.1
25°	114.7	111.2	107.5	103.8	100.4	97.1	93.9	90.9	89.0	87.3	85.9
27.5°	128.0	123.5	119.0	114.5	110.2	105.9	102.1	98.2	94.8	91.9	90.4
30°	143.2	136.9	130.8	125.2	120.0	114.7	110.0	105.3	102.0	100.0	98.0
32.5°	162.4	152.7	144.6	137.3	129.8	123.6	119.6	116.0	112.8	109.6	107.2
35°	186.6	175.1	164.0	152.2	143.1	137.5	131.5	127.5	123.4	119.8	116.4
37.5°	214.3	201.3	187.5	176.3	164.8	153.9	146.3	139.6	134.2	129.7	125.8
40°	245.6	231.1	216.8	203.0	189.0	175.7	163.8	153.4	146.1	139.8	135.0
42.5°	282.3	265.4	248.0	231.8	216.4	199.6	183.7	170.8	158.9	150.9	144.3
45°	321.1	301.9	282.2	261.7	242.7	224.3	206.7	188.9	175.1	162.9	154.3
47.5°	361.5	339.2	317.3	294.4	271.5	249.5	229.6	210.4	191.5	177.1	165.4
50°	403.4	378.1	352.7	327.6	303.2	276.5	252.5	231.2	210.7	191.9	176.9
52.5°	445.8	417.0	388.5	360.7	332.9	305.8	276.9	251.8	230.7	208.0	192.9
55°	491.9	455.0	423.4	392.8	363.0	332.9	302.4	273.0	250.6	230.5	212.6
57.5°	537.4	493.1	456.3	423.4	391.5	360.2	328.9	299.1	272.0	251.2	232.3
60°	579.4	528.6	486.1	451.0	417.9	385.7	353.6	322.5	294.1	270.6	251.1
62.5°	622.7	558.4	512.5	474.5	440.7	408.5	375.8	344.0	314.5	288.2	268.2
65°	662.9	596.0	537.6	495.5	459.8	427.4	395.9	362.7	332.7	305.8	284.4
67.5°	707.4	634.1	569.2	515.6	475.1	442.5	412.6	379.9	349.1	321.9	299.1
70°	749.0	669.0	599.0	534.7	489.6	454.7	425.1	395.1	363.0	335.8	312.3
72.5°	783.9	699.1	622.8	556.2	501.9	463.6	434.4	409.7	374.9	347.9	324.7
75°	811.3	725.0	641.6	572.6	510.8	470.4	440.8	414.3	383.0	355.7	334.3
77.5°	831.1	743.7	656.6	587.1	524.9	477.9	444.3	416.5	387.8	361.4	341.8
80°	851.0	762.3	677.2	601.1	536.5	483.6	446.6	417.6	390.2	365.1	347.5
82.5°	870.8	778.2	691.6	611.1	544.4	487.4	447.5	417.7	390.4	367.3	351.8
85°	881.7	787.8	699.9	616.8	548.7	489.1	447.1	416.7	388.9	368.2	355.0
87.5°	884.0	794.4	705.0	620.4	551.1	489.9	445.9	415.1	386.4	368.3	357.5
90°	878.1	787.5	698.3	615.4	546.5	486.1	441.9	411.0	382.2	367.4	359.7
92.5°	884.0	794.4	705.0	620.4	551.1	489.9	445.9	415.1	386.4	368.3	357.5
95°	881.7	787.8	699.9	616.8	548.7	489.1	447.1	416.7	388.9	368.2	355.0
97.5°	870.8	778.2	691.6	611.1	544.4	487.4	447.5	417.7	390.4	367.3	351.8
100°	851.0	762.3	677.2	601.1	536.5	483.6	446.6	417.6	390.2	365.1	347.5
102.5°	831.1	743.7	656.6	587.1	524.9	477.9	444.3	416.5	387.8	361.4	341.8
105°	811.3	725.0	641.6	572.6	510.8	470.4	440.8	414.3	383.0	355.7	334.3
107.5°	783.9	699.1	622.8	556.2	501.9	463.6	434.4	409.7	374.9	347.9	324.7
110°	749.0	669.0	599.0	534.7	489.6	454.7	425.1	395.1	363.0	335.8	312.3



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	707.4	634.1	569.2	515.6	475.1	442.5	412.6	379.9	349.1	321.9	299.1
115°	662.9	596.0	537.6	495.5	459.8	427.4	395.9	362.7	332.7	305.8	284.4
117.5°	622.7	558.4	512.5	474.5	440.7	408.5	375.8	344.0	314.5	288.2	268.2
120°	579.4	528.6	486.1	451.0	417.9	385.7	353.6	322.5	294.1	270.6	251.1
122.5°	537.4	493.1	456.3	423.4	391.5	360.2	328.9	299.1	272.0	251.2	232.3
125°	491.9	455.0	423.4	392.8	363.0	332.9	302.4	273.0	250.6	230.5	212.6
127.5°	445.8	417.0	388.5	360.7	332.9	305.8	276.9	251.8	230.7	208.0	192.9
130°	403.4	378.1	352.7	327.6	303.2	276.5	252.5	231.2	210.7	191.9	176.9
132.5°	361.5	339.2	317.3	294.4	271.5	249.5	229.6	210.4	191.5	177.1	165.4
135°	321.1	301.9	282.2	261.7	242.7	224.3	206.7	188.9	175.1	162.9	154.3
137.5°	282.3	265.4	248.0	231.8	216.4	199.6	183.7	170.8	158.9	150.9	144.3
140°	245.6	231.1	216.8	203.0	189.0	175.7	163.8	153.4	146.1	139.8	135.0
142.5°	214.3	201.3	187.5	176.3	164.8	153.9	146.3	139.6	134.2	129.7	125.8
145°	186.6	175.1	164.0	152.2	143.1	137.5	131.5	127.5	123.4	119.8	116.4
147.5°	162.4	152.7	144.6	137.3	129.8	123.6	119.6	116.0	112.8	109.6	107.2
150°	143.2	136.9	130.8	125.2	120.0	114.7	110.0	105.3	102.0	100.0	98.0
152.5°	128.0	123.5	119.0	114.5	110.2	105.9	102.1	98.2	94.8	91.9	90.4
155°	114.7	111.2	107.5	103.8	100.4	97.1	93.9	90.9	89.0	87.3	85.9
157.5°	101.8	99.1	96.3	93.5	90.7	88.5	86.5	84.7	83.0	81.5	80.1
160°	89.2	87.3	85.6	83.8	82.1	80.4	78.9	77.4	76.1	74.7	73.0
162.5°	77.7	76.4	75.2	74.0	72.8	71.6	70.4	69.1	67.6	66.1	64.4
165°	66.1	65.3	64.4	63.7	62.8	61.9	60.8	59.7	58.5	57.0	55.3
167.5°	54.9	54.5	54.0	53.4	52.7	51.8	50.9	49.8	48.6	47.4	46.0
170°	44.1	43.8	43.4	42.9	42.3	41.6	40.8	39.8	38.8	37.6	36.4
172.5°	33.1	32.8	32.4	31.9	31.4	30.8	30.1	29.4	28.6	27.8	26.8
175°	21.5	21.3	21.0	20.7	20.3	19.9	19.4	18.9	18.4	17.8	17.2
177.5°	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	8.1	7.9	7.6	7.3	6.9	6.6	6.3	5.9	5.5	5.2	4.8
5°	16.5	15.8	15.1	14.5	13.8	13.2	12.5	11.8	11.0	10.3	9.5
7.5°	25.8	24.8	23.6	22.5	21.2	20.0	18.7	17.6	16.5	15.3	14.2
10°	35.2	33.8	32.5	30.8	29.2	27.4	25.7	23.8	21.9	20.4	18.9
12.5°	44.4	42.7	40.9	39.1	37.1	35.0	32.8	30.5	28.1	25.6	23.5
15°	53.5	51.6	49.8	47.3	44.9	42.5	40.0	37.2	34.3	31.3	28.2
17.5°	63.0	60.4	58.0	55.5	52.8	49.9	47.0	43.9	40.5	37.0	33.4
20°	71.0	68.9	66.6	63.6	60.6	57.3	54.0	50.5	46.9	42.8	38.6
22.5°	78.9	76.8	74.3	71.8	68.5	64.8	60.9	57.0	52.9	48.6	43.8
25°	84.5	83.4	81.8	79.0	76.4	72.9	68.9	64.8	60.7	56.4	51.7
27.5°	89.8	89.3	88.6	87.5	84.7	81.7	77.7	73.3	68.9	64.4	59.7
30°	97.0	96.3	95.5	94.5	92.8	89.6	86.1	81.6	77.2	72.2	67.5
32.5°	104.9	103.5	102.5	101.3	99.9	97.4	93.8	89.6	84.8	79.9	74.9
35°	113.6	111.2	109.6	108.4	106.7	104.8	101.3	97.6	92.4	87.3	82.2
37.5°	122.2	119.4	116.9	115.3	114.0	111.5	108.6	104.5	99.8	94.6	89.3
40°	130.9	127.3	124.7	122.3	120.6	118.4	115.6	111.5	106.9	101.7	96.3
42.5°	139.3	135.5	132.1	129.6	127.5	125.5	122.3	118.4	113.8	108.6	103.2
45°	148.0	143.0	139.5	136.7	134.3	132.2	129.1	125.2	120.5	115.3	109.9
47.5°	156.2	150.9	146.6	143.6	141.1	139.5	138.5	136.4	133.8	130.5	126.1
50°	166.5	159.0	156.0	154.7	153.8	153.3	153.2	152.5	151.2	148.8	144.5
52.5°	181.7	174.6	170.8	168.4	167.1	166.7	167.2	167.8	168.0	167.0	162.7
55°	199.8	191.2	185.5	182.1	180.4	180.0	180.7	182.4	184.4	184.6	180.8
57.5°	217.7	207.3	200.4	196.2	194.0	193.1	193.8	196.3	200.1	201.7	198.8
60°	234.2	223.3	215.7	210.5	207.4	206.1	206.5	209.7	215.1	218.4	216.7
62.5°	251.1	239.2	230.8	224.7	220.7	218.8	219.1	223.0	229.6	234.9	234.6
65°	267.1	254.0	245.4	238.7	233.9	231.9	232.0	236.0	243.8	251.0	252.4
67.5°	281.4	267.8	259.6	252.9	247.7	245.0	244.8	248.8	257.5	266.9	270.1
70°	294.6	281.4	273.4	266.6	260.3	256.1	254.8	257.7	265.7	274.1	274.4
72.5°	307.0	293.1	283.4	275.9	269.3	264.3	262.1	264.3	271.8	279.8	277.2
75°	317.8	303.9	292.8	285.0	278.2	272.5	269.4	271.0	278.2	286.0	280.3
77.5°	327.3	314.4	302.1	293.8	287.0	280.8	276.7	277.7	284.8	292.7	283.5
80°	335.8	324.5	311.2	302.5	295.6	289.1	284.0	284.5	291.4	299.6	286.9
82.5°	343.3	334.2	320.2	310.9	304.1	297.4	291.3	291.4	298.3	306.7	291.2
85°	350.1	343.6	328.9	319.1	312.5	305.8	298.7	298.2	305.1	314.3	294.1
87.5°	356.5	352.8	337.5	327.3	320.8	313.8	306.0	305.4	312.3	321.2	297.1
90°	362.5	361.1	345.6	335.1	328.8	321.7	313.3	312.6	319.6	328.1	300.0
92.5°	356.5	352.8	337.5	327.3	320.8	313.8	306.0	305.4	312.3	321.2	297.1
95°	350.1	343.6	328.9	319.1	312.5	305.8	298.7	298.2	305.1	314.3	294.1
97.5°	343.3	334.2	320.2	310.9	304.1	297.4	291.3	291.4	298.3	306.7	291.2
100°	335.8	324.5	311.2	302.5	295.6	289.1	284.0	284.5	291.4	299.6	286.9
102.5°	327.3	314.4	302.1	293.8	287.0	280.8	276.7	277.7	284.8	292.7	283.5
105°	317.8	303.9	292.8	285.0	278.2	272.5	269.4	271.0	278.2	286.0	280.3
107.5°	307.0	293.1	283.4	275.9	269.3	264.3	262.1	264.3	271.8	279.8	277.2
110°	294.6	281.4	273.4	266.6	260.3	256.1	254.8	257.7	265.7	274.1	274.4



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	281.4	267.8	259.6	252.9	247.7	245.0	244.8	248.8	257.5	266.9	270.1
115°	267.1	254.0	245.4	238.7	233.9	231.9	232.0	236.0	243.8	251.0	252.4
117.5°	251.1	239.2	230.8	224.7	220.7	218.8	219.1	223.0	229.6	234.9	234.6
120°	234.2	223.3	215.7	210.5	207.4	206.1	206.5	209.7	215.1	218.4	216.7
122.5°	217.7	207.3	200.4	196.2	194.0	193.1	193.8	196.3	200.1	201.7	198.8
125°	199.8	191.2	185.5	182.1	180.4	180.0	180.7	182.4	184.4	184.6	180.8
127.5°	181.7	174.6	170.8	168.4	167.1	166.7	167.2	167.8	168.0	167.0	162.7
130°	166.5	159.0	156.0	154.7	153.8	153.3	153.2	152.5	151.2	148.8	144.5
132.5°	156.2	150.9	146.6	143.6	141.1	139.5	138.5	136.4	133.8	130.5	126.1
135°	148.0	143.0	139.5	136.7	134.3	132.2	129.1	125.2	120.5	115.3	109.9
137.5°	139.3	135.5	132.1	129.6	127.5	125.5	122.3	118.4	113.8	108.6	103.2
140°	130.9	127.3	124.7	122.3	120.6	118.4	115.6	111.5	106.9	101.7	96.3
142.5°	122.2	119.4	116.9	115.3	114.0	111.5	108.6	104.5	99.8	94.6	89.3
145°	113.6	111.2	109.6	108.4	106.7	104.8	101.3	97.6	92.4	87.3	82.2
147.5°	104.9	103.5	102.5	101.3	99.9	97.4	93.8	89.6	84.8	79.9	74.9
150°	97.0	96.3	95.5	94.5	92.8	89.6	86.1	81.6	77.2	72.2	67.5
152.5°	89.8	89.3	88.6	87.5	84.7	81.7	77.7	73.3	68.9	64.4	59.7
155°	84.5	83.4	81.8	79.0	76.4	72.9	68.9	64.8	60.7	56.4	51.7
157.5°	78.9	76.8	74.3	71.8	68.5	64.8	60.9	57.0	52.9	48.6	43.8
160°	71.0	68.9	66.6	63.6	60.6	57.3	54.0	50.5	46.9	42.8	38.6
162.5°	63.0	60.4	58.0	55.5	52.8	49.9	47.0	43.9	40.5	37.0	33.4
165°	53.5	51.6	49.8	47.3	44.9	42.5	40.0	37.2	34.3	31.3	28.2
167.5°	44.4	42.7	40.9	39.1	37.1	35.0	32.8	30.5	28.1	25.6	23.5
170°	35.2	33.8	32.5	30.8	29.2	27.4	25.7	23.8	21.9	20.4	18.9
172.5°	25.8	24.8	23.6	22.5	21.2	20.0	18.7	17.6	16.5	15.3	14.2
175°	16.5	15.8	15.1	14.5	13.8	13.2	12.5	11.8	11.0	10.3	9.5
177.5°	8.1	7.9	7.6	7.3	6.9	6.6	6.3	5.9	5.5	5.2	4.8
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: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	4.4	4.0	3.5	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.9
5°	8.7	7.9	7.1	6.2	6.2	6.1	6.0	5.9	5.8	5.7	5.6
7.5°	13.0	11.8	10.6	9.4	9.2	9.1	8.9	8.7	8.6	8.4	8.1
10°	17.3	15.7	14.1	12.5	12.3	12.0	11.7	11.5	11.2	10.9	10.6
12.5°	21.6	19.6	17.6	15.6	15.3	14.9	14.5	14.1	13.7	13.4	13.1
15°	25.8	23.5	21.1	18.7	18.2	17.7	17.1	16.6	16.2	15.8	15.4
17.5°	30.0	27.3	24.6	21.9	21.2	20.5	19.7	19.2	18.7	18.2	17.7
20°	34.3	31.2	28.1	25.0	24.1	23.2	22.3	21.7	21.1	20.6	20.1
22.5°	38.9	35.0	31.6	28.1	27.0	25.9	24.9	24.2	23.5	23.0	22.5
25°	46.7	42.3	39.0	35.5	34.6	33.5	32.6	31.7	30.7	29.7	28.4
27.5°	54.5	49.6	46.3	42.9	42.2	41.3	40.8	40.2	39.2	38.0	36.5
30°	62.2	56.8	53.6	50.3	49.9	49.3	49.2	48.8	47.7	46.5	44.0
32.5°	69.6	64.3	60.9	57.7	57.7	57.5	57.7	57.4	56.2	54.3	51.2
35°	76.9	71.5	68.1	65.2	65.5	65.8	66.3	66.0	64.8	61.7	58.0
37.5°	84.0	78.7	75.2	72.6	73.3	74.1	75.1	74.6	73.4	68.8	64.2
40°	90.9	85.8	82.3	80.0	81.2	82.6	84.0	83.2	80.7	75.7	70.0
42.5°	97.7	92.7	89.3	87.4	89.2	91.1	93.0	91.8	88.1	82.4	75.5
45°	104.4	99.6	96.2	94.8	97.2	99.7	101.7	100.5	95.2	88.2	80.7
47.5°	119.4	112.6	106.7	102.7	102.8	103.7	104.3	102.8	96.9	90.1	83.0
50°	135.8	126.3	117.5	110.6	108.3	107.2	106.0	103.2	96.6	89.6	82.7
52.5°	152.5	140.3	128.4	118.5	113.6	110.5	107.5	103.3	96.4	89.4	82.8
55°	169.7	154.6	139.5	126.4	118.7	113.5	108.9	103.4	96.2	89.3	83.2
57.5°	187.2	169.2	150.7	134.2	123.7	116.2	110.1	103.5	96.2	89.5	84.0
60°	204.9	184.0	162.1	142.1	128.5	118.8	111.1	103.7	96.4	90.1	85.4
62.5°	223.0	199.0	173.6	150.0	133.2	121.2	112.1	104.0	96.7	91.0	87.4
65°	241.2	214.1	185.2	157.9	137.8	123.4	112.9	104.2	97.2	92.1	89.9
67.5°	259.6	229.4	196.8	165.8	142.4	125.5	113.6	104.6	97.7	93.5	92.6
70°	261.7	229.8	196.3	164.9	141.2	124.4	112.6	103.8	97.2	93.5	93.6
72.5°	262.4	229.5	195.6	164.1	140.1	123.3	111.6	102.9	96.4	92.9	93.2
75°	263.1	229.2	196.0	163.2	139.0	122.2	110.6	102.2	95.7	92.4	92.8
77.5°	263.6	228.7	194.8	162.4	138.0	121.2	109.7	101.5	95.1	91.9	92.3
80°	263.9	229.1	193.7	161.5	137.0	120.3	108.8	100.9	94.5	91.4	91.7
82.5°	265.0	227.8	192.5	160.7	136.0	119.5	108.0	100.3	93.9	91.0	91.1
85°	264.5	226.6	191.3	159.8	135.2	118.7	107.3	99.8	93.5	90.6	90.5
87.5°	263.9	225.3	190.2	159.0	134.3	118.0	106.7	99.4	93.0	90.2	89.9
90°	263.4	224.1	189.0	158.1	133.5	117.3	106.1	99.1	92.7	89.9	89.2
92.5°	263.9	225.3	190.2	159.0	134.3	118.0	106.7	99.4	93.0	90.2	89.9
95°	264.5	226.6	191.3	159.8	135.2	118.7	107.3	99.8	93.5	90.6	90.5
97.5°	265.0	227.8	192.5	160.7	136.0	119.5	108.0	100.3	93.9	91.0	91.1
100°	263.9	229.1	193.7	161.5	137.0	120.3	108.8	100.9	94.5	91.4	91.7
102.5°	263.6	228.7	194.8	162.4	138.0	121.2	109.7	101.5	95.1	91.9	92.3
105°	263.1	229.2	196.0	163.2	139.0	122.2	110.6	102.2	95.7	92.4	92.8
107.5°	262.4	229.5	195.6	164.1	140.1	123.3	111.6	102.9	96.4	92.9	93.2
110°	261.7	229.8	196.3	164.9	141.2	124.4	112.6	103.8	97.2	93.5	93.6



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	259.6	229.4	196.8	165.8	142.4	125.5	113.6	104.6	97.7	93.5	92.6
115°	241.2	214.1	185.2	157.9	137.8	123.4	112.9	104.2	97.2	92.1	89.9
117.5°	223.0	199.0	173.6	150.0	133.2	121.2	112.1	104.0	96.7	91.0	87.4
120°	204.9	184.0	162.1	142.1	128.5	118.8	111.1	103.7	96.4	90.1	85.4
122.5°	187.2	169.2	150.7	134.2	123.7	116.2	110.1	103.5	96.2	89.5	84.0
125°	169.7	154.6	139.5	126.4	118.7	113.5	108.9	103.4	96.2	89.3	83.2
127.5°	152.5	140.3	128.4	118.5	113.6	110.5	107.5	103.3	96.4	89.4	82.8
130°	135.8	126.3	117.5	110.6	108.3	107.2	106.0	103.2	96.6	89.6	82.7
132.5°	119.4	112.6	106.7	102.7	102.8	103.7	104.3	102.8	96.9	90.1	83.0
135°	104.4	99.6	96.2	94.8	97.2	99.7	101.7	100.5	95.2	88.2	80.7
137.5°	97.7	92.7	89.3	87.4	89.2	91.1	93.0	91.8	88.1	82.4	75.5
140°	90.9	85.8	82.3	80.0	81.2	82.6	84.0	83.2	80.7	75.7	70.0
142.5°	84.0	78.7	75.2	72.6	73.3	74.1	75.1	74.6	73.4	68.8	64.2
145°	76.9	71.5	68.1	65.2	65.5	65.8	66.3	66.0	64.8	61.7	58.0
147.5°	69.6	64.3	60.9	57.7	57.7	57.5	57.7	57.4	56.2	54.3	51.2
150°	62.2	56.8	53.6	50.3	49.9	49.3	49.2	48.8	47.7	46.5	44.0
152.5°	54.5	49.6	46.3	42.9	42.2	41.3	40.8	40.2	39.2	38.0	36.5
155°	46.7	42.3	39.0	35.5	34.6	33.5	32.6	31.7	30.7	29.7	28.4
157.5°	38.9	35.0	31.6	28.1	27.0	25.9	24.9	24.2	23.5	23.0	22.5
160°	34.3	31.2	28.1	25.0	24.1	23.2	22.3	21.7	21.1	20.6	20.1
162.5°	30.0	27.3	24.6	21.9	21.2	20.5	19.7	19.2	18.7	18.2	17.7
165°	25.8	23.5	21.1	18.7	18.2	17.7	17.1	16.6	16.2	15.8	15.4
167.5°	21.6	19.6	17.6	15.6	15.3	14.9	14.5	14.1	13.7	13.4	13.1
170°	17.3	15.7	14.1	12.5	12.3	12.0	11.7	11.5	11.2	10.9	10.6
172.5°	13.0	11.8	10.6	9.4	9.2	9.1	8.9	8.7	8.6	8.4	8.1
175°	8.7	7.9	7.1	6.2	6.2	6.1	6.0	5.9	5.8	5.7	5.6
177.5°	4.4	4.0	3.5	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.9
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: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	2.8	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.1
5°	5.5	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.9
7.5°	7.9	7.7	7.5	7.3	7.1	6.9	6.6	6.4	6.1	5.9	5.6
10°	10.4	10.1	9.8	9.5	9.2	8.9	8.7	8.4	8.0	7.7	7.4
12.5°	12.7	12.4	12.0	11.7	11.4	11.0	10.7	10.3	9.9	9.5	9.0
15°	15.0	14.7	14.3	13.9	13.5	13.1	12.6	12.1	11.7	11.2	10.6
17.5°	17.3	16.9	16.5	16.0	15.5	15.0	14.5	13.9	13.2	12.5	11.9
20°	19.7	19.2	18.6	18.1	17.5	16.8	16.1	15.3	14.5	13.8	13.0
22.5°	21.9	21.4	20.8	20.1	19.2	18.4	17.5	16.6	15.7	14.9	14.2
25°	26.9	25.3	23.6	21.8	20.8	19.8	18.8	17.8	17.0	16.2	15.4
27.5°	34.4	32.4	30.0	27.6	25.3	23.1	21.0	19.3	18.4	17.4	16.3
30°	41.5	38.6	35.7	32.9	30.1	27.6	25.4	23.2	21.0	18.8	17.2
32.5°	47.9	44.4	40.9	37.5	34.4	31.7	29.1	26.4	23.9	21.8	19.8
35°	53.8	49.6	45.5	41.6	38.4	35.2	32.1	29.2	26.7	24.4	22.5
37.5°	59.3	54.3	49.5	45.6	41.8	38.2	34.8	31.8	29.2	26.9	24.8
40°	64.3	58.6	53.5	49.1	44.8	40.8	37.3	34.1	31.5	29.0	26.5
42.5°	68.9	62.4	57.2	52.2	47.5	43.3	39.4	36.3	33.4	30.6	28.1
45°	73.2	66.4	60.4	55.0	50.0	45.3	41.6	38.1	35.0	32.0	29.3
47.5°	75.9	69.7	63.5	57.5	52.2	47.5	43.4	39.8	36.3	33.1	30.3
50°	76.0	70.7	65.5	60.2	54.7	49.5	45.1	41.2	37.4	34.1	31.1
52.5°	77.1	72.5	68.2	63.8	58.9	53.8	48.6	43.3	38.3	34.9	31.7
55°	78.7	75.1	71.7	68.1	63.5	58.2	52.5	46.7	41.6	36.7	32.3
57.5°	80.8	78.4	76.0	73.0	68.4	62.6	56.3	50.2	44.5	39.0	34.6
60°	83.4	82.3	81.0	78.1	73.2	66.8	59.8	53.3	47.0	41.4	36.6
62.5°	86.6	86.8	86.6	83.4	77.8	70.7	63.3	56.2	49.1	43.6	38.2
65°	90.3	91.7	92.7	89.1	82.5	74.6	66.6	58.7	51.4	45.6	39.7
67.5°	94.5	97.1	98.2	94.5	87.2	78.4	69.8	61.0	53.8	47.4	41.5
70°	96.5	100.5	102.4	99.2	91.5	82.1	72.9	63.2	56.1	49.2	43.2
72.5°	96.0	99.9	101.5	98.5	91.9	83.5	74.4	65.2	58.2	51.0	45.0
75°	95.3	99.3	100.8	98.3	92.3	84.1	74.8	65.8	58.2	51.5	45.8
77.5°	94.5	98.6	100.4	98.6	93.2	85.0	75.5	66.4	58.4	51.7	45.8
80°	93.6	97.9	100.2	99.3	94.4	86.2	76.5	67.1	58.8	52.0	46.1
82.5°	92.6	97.0	100.1	100.3	95.9	87.6	77.8	67.9	59.3	52.5	46.7
85°	91.5	96.1	100.0	101.5	97.8	89.3	79.4	68.9	60.1	53.3	47.5
87.5°	90.4	95.2	99.9	102.7	99.8	91.2	81.4	70.1	61.1	54.3	48.6
90°	89.2	94.1	99.8	104.0	101.9	93.4	83.6	71.7	62.5	55.5	49.9
92.5°	90.4	95.2	99.9	102.7	99.8	91.2	81.4	70.1	61.1	54.3	48.6
95°	91.5	96.1	100.0	101.5	97.8	89.3	79.4	68.9	60.1	53.3	47.5
97.5°	92.6	97.0	100.1	100.3	95.9	87.6	77.8	67.9	59.3	52.5	46.7
100°	93.6	97.9	100.2	99.3	94.4	86.2	76.5	67.1	58.8	52.0	46.1
102.5°	94.5	98.6	100.4	98.6	93.2	85.0	75.5	66.4	58.4	51.7	45.8
105°	95.3	99.3	100.8	98.3	92.3	84.1	74.8	65.8	58.2	51.5	45.8
107.5°	96.0	99.9	101.5	98.5	91.9	83.5	74.4	65.2	58.2	51.0	45.0
110°	96.5	100.5	102.4	99.2	91.5	82.1	72.9	63.2	56.1	49.2	43.2



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	94.5	97.1	98.2	94.5	87.2	78.4	69.8	61.0	53.8	47.4	41.5
115°	90.3	91.7	92.7	89.1	82.5	74.6	66.6	58.7	51.4	45.6	39.7
117.5°	86.6	86.8	86.6	83.4	77.8	70.7	63.3	56.2	49.1	43.6	38.2
120°	83.4	82.3	81.0	78.1	73.2	66.8	59.8	53.3	47.0	41.4	36.6
122.5°	80.8	78.4	76.0	73.0	68.4	62.6	56.3	50.2	44.5	39.0	34.6
125°	78.7	75.1	71.7	68.1	63.5	58.2	52.5	46.7	41.6	36.7	32.3
127.5°	77.1	72.5	68.2	63.8	58.9	53.8	48.6	43.3	38.3	34.9	31.7
130°	76.0	70.7	65.5	60.2	54.7	49.5	45.1	41.2	37.4	34.1	31.1
132.5°	75.9	69.7	63.5	57.5	52.2	47.5	43.4	39.8	36.3	33.1	30.3
135°	73.2	66.4	60.4	55.0	50.0	45.3	41.6	38.1	35.0	32.0	29.3
137.5°	68.9	62.4	57.2	52.2	47.5	43.3	39.4	36.3	33.4	30.6	28.1
140°	64.3	58.6	53.5	49.1	44.8	40.8	37.3	34.1	31.5	29.0	26.5
142.5°	59.3	54.3	49.5	45.6	41.8	38.2	34.8	31.8	29.2	26.9	24.8
145°	53.8	49.6	45.5	41.6	38.4	35.2	32.1	29.2	26.7	24.4	22.5
147.5°	47.9	44.4	40.9	37.5	34.4	31.7	29.1	26.4	23.9	21.8	19.8
150°	41.5	38.6	35.7	32.9	30.1	27.6	25.4	23.2	21.0	18.8	17.2
152.5°	34.4	32.4	30.0	27.6	25.3	23.1	21.0	19.3	18.4	17.4	16.3
155°	26.9	25.3	23.6	21.8	20.8	19.8	18.8	17.8	17.0	16.2	15.4
157.5°	21.9	21.4	20.8	20.1	19.2	18.4	17.5	16.6	15.7	14.9	14.2
160°	19.7	19.2	18.6	18.1	17.5	16.8	16.1	15.3	14.5	13.8	13.0
162.5°	17.3	16.9	16.5	16.0	15.5	15.0	14.5	13.9	13.2	12.5	11.9
165°	15.0	14.7	14.3	13.9	13.5	13.1	12.6	12.1	11.7	11.2	10.6
167.5°	12.7	12.4	12.0	11.7	11.4	11.0	10.7	10.3	9.9	9.5	9.0
170°	10.4	10.1	9.8	9.5	9.2	8.9	8.7	8.4	8.0	7.7	7.4
172.5°	7.9	7.7	7.5	7.3	7.1	6.9	6.6	6.4	6.1	5.9	5.6
175°	5.5	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.9
177.5°	2.8	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.1
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: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9
5°	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6
7.5°	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.3
10°	7.0	6.7	6.3	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3.1
12.5°	8.6	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.7	4.1	3.6
15°	10.0	9.4	8.8	8.3	7.7	7.1	6.5	5.9	5.3	4.7	4.1
17.5°	11.2	10.5	9.8	9.2	8.5	7.8	7.2	6.6	5.9	5.3	4.6
20°	12.2	11.5	10.8	10.1	9.4	8.7	8.0	7.3	6.5	5.8	5.0
22.5°	13.4	12.7	11.9	11.0	10.2	9.3	8.5	7.7	7.0	6.2	5.4
25°	14.5	13.5	12.6	11.7	10.8	10.0	9.2	8.4	7.6	6.8	6.0
27.5°	15.2	14.3	13.4	12.5	11.7	11.0	10.2	9.3	8.4	7.5	6.6
30°	16.2	15.3	14.5	13.8	12.9	12.0	11.0	10.0	9.0	8.0	7.1
32.5°	18.1	16.7	15.9	14.8	13.7	12.7	11.8	10.8	9.9	8.8	7.7
35°	20.8	18.9	17.1	15.8	14.8	13.9	12.8	11.6	10.4	9.3	8.2
37.5°	22.7	20.7	19.0	17.5	15.9	14.6	13.4	12.4	11.3	10.1	8.9
40°	24.4	22.4	20.5	18.7	17.1	15.7	14.6	13.3	11.9	10.6	9.3
42.5°	25.8	23.6	21.6	19.9	18.3	16.8	15.3	13.8	12.4	11.0	9.6
45°	26.8	24.5	22.6	20.8	19.0	17.3	15.7	14.3	13.0	11.7	10.4
47.5°	27.7	25.3	23.2	21.3	19.3	17.5	16.1	15.0	13.8	12.0	10.3
50°	28.3	25.9	23.7	21.3	19.3	17.8	16.4	14.8	13.3	12.1	10.6
52.5°	28.8	26.3	23.6	21.2	19.4	17.6	15.8	14.4	13.2	11.9	10.4
55°	29.2	26.1	23.4	21.2	19.0	17.0	15.5	14.1	12.7	11.4	10.3
57.5°	30.3	26.0	23.2	20.7	18.5	16.7	15.2	13.7	12.3	11.1	9.8
60°	31.7	27.6	23.7	20.2	18.2	16.5	15.0	13.3	11.9	10.5	9.1
62.5°	33.3	28.9	24.8	21.4	18.5	16.4	14.5	12.9	11.4	9.9	8.6
65°	34.8	30.2	26.1	22.7	19.7	16.6	14.1	12.6	11.0	9.7	8.6
67.5°	36.3	31.4	27.5	23.8	20.4	17.3	14.8	12.5	11.1	9.8	7.9
70°	37.7	32.9	28.7	24.7	21.0	18.0	15.4	13.2	11.4	9.2	7.4
72.5°	39.1	34.4	29.8	25.5	21.8	18.7	16.0	13.7	11.2	9.0	7.1
75°	40.4	36.0	30.8	26.3	22.6	19.5	16.5	13.7	11.1	8.8	6.3
77.5°	40.7	36.0	31.2	27.0	23.4	20.2	16.7	13.8	11.0	7.9	5.5
80°	41.1	36.3	31.7	27.5	23.8	20.3	16.9	14.0	10.7	7.0	4.7
82.5°	41.8	36.8	32.3	28.0	24.1	20.1	16.7	13.6	10.0	6.5	3.8
85°	42.7	37.6	33.2	28.7	24.5	20.2	16.8	13.5	9.5	6.1	3.3
87.5°	43.7	38.7	34.4	29.7	25.1	20.5	17.1	13.6	9.4	6.0	3.2
90°	45.0	40.0	35.8	30.9	26.0	21.1	17.6	14.0	9.8	6.3	3.5
92.5°	43.7	38.7	34.4	29.7	25.1	20.5	17.1	13.6	9.4	6.0	3.2
95°	42.7	37.6	33.2	28.7	24.5	20.2	16.8	13.5	9.5	6.1	3.3
97.5°	41.8	36.8	32.3	28.0	24.1	20.1	16.7	13.6	10.0	6.5	3.8
100°	41.1	36.3	31.7	27.5	23.8	20.3	16.9	14.0	10.7	7.0	4.7
102.5°	40.7	36.0	31.2	27.0	23.4	20.2	16.7	13.8	11.0	7.9	5.5
105°	40.4	36.0	30.8	26.3	22.6	19.5	16.5	13.7	11.1	8.8	6.3
107.5°	39.1	34.4	29.8	25.5	21.8	18.7	16.0	13.7	11.2	9.0	7.1
110°	37.7	32.9	28.7	24.7	21.0	18.0	15.4	13.2	11.4	9.2	7.4



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	36.3	31.4	27.5	23.8	20.4	17.3	14.8	12.5	11.1	9.8	7.9
115°	34.8	30.2	26.1	22.7	19.7	16.6	14.1	12.6	11.0	9.7	8.6
117.5°	33.3	28.9	24.8	21.4	18.5	16.4	14.5	12.9	11.4	9.9	8.6
120°	31.7	27.6	23.7	20.2	18.2	16.5	15.0	13.3	11.9	10.5	9.1
122.5°	30.3	26.0	23.2	20.7	18.5	16.7	15.2	13.7	12.3	11.1	9.8
125°	29.2	26.1	23.4	21.2	19.0	17.0	15.5	14.1	12.7	11.4	10.3
127.5°	28.8	26.3	23.6	21.2	19.4	17.6	15.8	14.4	13.2	11.9	10.4
130°	28.3	25.9	23.7	21.3	19.3	17.8	16.4	14.8	13.3	12.1	10.6
132.5°	27.7	25.3	23.2	21.3	19.3	17.5	16.1	15.0	13.8	12.0	10.3
135°	26.8	24.5	22.6	20.8	19.0	17.3	15.7	14.3	13.0	11.7	10.4
137.5°	25.8	23.6	21.6	19.9	18.3	16.8	15.3	13.8	12.4	11.0	9.6
140°	24.4	22.4	20.5	18.7	17.1	15.7	14.6	13.3	11.9	10.6	9.3
142.5°	22.7	20.7	19.0	17.5	15.9	14.6	13.4	12.4	11.3	10.1	8.9
145°	20.8	18.9	17.1	15.8	14.8	13.9	12.8	11.6	10.4	9.3	8.2
147.5°	18.1	16.7	15.9	14.8	13.7	12.7	11.8	10.8	9.9	8.8	7.7
150°	16.2	15.3	14.5	13.8	12.9	12.0	11.0	10.0	9.0	8.0	7.1
152.5°	15.2	14.3	13.4	12.5	11.7	11.0	10.2	9.3	8.4	7.5	6.6
155°	14.5	13.5	12.6	11.7	10.8	10.0	9.2	8.4	7.6	6.8	6.0
157.5°	13.4	12.7	11.9	11.0	10.2	9.3	8.5	7.7	7.0	6.2	5.4
160°	12.2	11.5	10.8	10.1	9.4	8.7	8.0	7.3	6.5	5.8	5.0
162.5°	11.2	10.5	9.8	9.2	8.5	7.8	7.2	6.6	5.9	5.3	4.6
165°	10.0	9.4	8.8	8.3	7.7	7.1	6.5	5.9	5.3	4.7	4.1
167.5°	8.6	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.7	4.1	3.6
170°	7.0	6.7	6.3	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3.1
172.5°	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.3
175°	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6
177.5°	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9
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: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.1	0.2	0.4	0.5
5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
7.5°	2.0	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
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°	3.1	2.6	2.1	1.6	1.0	0.5	0.0	0.5	1.0	1.6	2.1
15°	3.5	2.9	2.3	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.3
17.5°	4.0	3.3	2.7	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.7
20°	4.3	3.6	2.9	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.9
22.5°	4.7	3.9	3.1	2.3	1.6	0.8	0.0	0.8	1.6	2.3	3.1
25°	5.2	4.3	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
27.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
30°	6.1	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
32.5°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
35°	7.1	5.9	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
37.5°	7.6	6.3	5.1	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.1
40°	7.9	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
42.5°	8.3	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
45°	8.8	7.2	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
47.5°	8.8	7.3	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
50°	9.0	7.3	5.8	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.8
52.5°	8.7	7.2	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
55°	8.9	7.2	5.6	4.1	2.7	1.3	0.0	1.3	2.7	4.1	5.6
57.5°	8.5	6.8	5.3	3.8	2.5	1.2	0.0	1.2	2.5	3.8	5.3
60°	7.8	6.3	5.0	3.7	2.4	1.2	0.0	1.2	2.4	3.7	5.0
62.5°	7.4	6.3	4.8	3.4	2.2	1.1	0.0	1.1	2.2	3.4	4.8
65°	7.0	5.5	4.1	2.8	1.8	0.8	0.0	0.8	1.8	2.8	4.1
67.5°	6.3	4.8	3.4	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.4
70°	5.8	4.3	3.0	1.9	1.3	0.9	0.7	0.9	1.3	1.9	3.0
72.5°	5.2	3.7	2.2	1.4	1.2	0.9	0.7	0.9	1.2	1.4	2.2
75°	4.7	3.1	1.9	1.3	0.9	0.7	0.7	0.7	0.9	1.3	1.9
77.5°	3.8	2.2	1.2	0.6	0.3	0.1	0.0	0.1	0.3	0.6	1.2
80°	2.6	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
82.5°	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.6	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
102.5°	3.8	2.2	1.2	0.6	0.3	0.1	0.0	0.1	0.3	0.6	1.2
105°	4.7	3.1	1.9	1.3	0.9	0.7	0.7	0.7	0.9	1.3	1.9
107.5°	5.2	3.7	2.2	1.4	1.2	0.9	0.7	0.9	1.2	1.4	2.2
110°	5.8	4.3	3.0	1.9	1.3	0.9	0.7	0.9	1.3	1.9	3.0



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	6.3	4.8	3.4	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.4
115°	7.0	5.5	4.1	2.8	1.8	0.8	0.0	0.8	1.8	2.8	4.1
117.5°	7.4	6.3	4.8	3.4	2.2	1.1	0.0	1.1	2.2	3.4	4.8
120°	7.8	6.3	5.0	3.7	2.4	1.2	0.0	1.2	2.4	3.7	5.0
122.5°	8.5	6.8	5.3	3.8	2.5	1.2	0.0	1.2	2.5	3.8	5.3
125°	8.9	7.2	5.6	4.1	2.7	1.3	0.0	1.3	2.7	4.1	5.6
127.5°	8.7	7.2	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
130°	9.0	7.3	5.8	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.8
132.5°	8.8	7.3	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
135°	8.8	7.2	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
137.5°	8.3	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
140°	7.9	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
142.5°	7.6	6.3	5.1	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.1
145°	7.1	5.9	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
147.5°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
150°	6.1	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
152.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
155°	5.2	4.3	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
157.5°	4.7	3.9	3.1	2.3	1.6	0.8	0.0	0.8	1.6	2.3	3.1
160°	4.3	3.6	2.9	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.9
162.5°	4.0	3.3	2.7	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.7
165°	3.5	2.9	2.3	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.3
167.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0	0.5	1.0	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	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
175°	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
177.5°	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.1	0.2	0.4	0.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8
5°	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.7	2.9	3.1	3.3
7.5°	1.7	2.0	2.3	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
10°	2.2	2.6	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3
12.5°	2.6	3.1	3.6	4.1	4.7	5.2	5.7	6.2	6.7	7.2	7.7
15°	2.9	3.5	4.1	4.7	5.3	5.9	6.5	7.1	7.7	8.3	8.8
17.5°	3.3	4.0	4.6	5.3	5.9	6.6	7.2	7.8	8.5	9.2	9.8
20°	3.6	4.3	5.0	5.8	6.5	7.3	8.0	8.7	9.4	10.1	10.8
22.5°	3.9	4.7	5.4	6.2	7.0	7.7	8.5	9.3	10.2	11.0	11.9
25°	4.3	5.2	6.0	6.8	7.6	8.4	9.2	10.0	10.8	11.7	12.6
27.5°	4.7	5.6	6.6	7.5	8.4	9.3	10.2	11.0	11.7	12.5	13.4
30°	5.1	6.1	7.1	8.0	9.0	10.0	11.0	12.0	12.9	13.8	14.5
32.5°	5.5	6.6	7.7	8.8	9.9	10.8	11.8	12.7	13.7	14.8	15.9
35°	5.9	7.1	8.2	9.3	10.4	11.6	12.8	13.9	14.8	15.8	17.1
37.5°	6.3	7.6	8.9	10.1	11.3	12.4	13.4	14.6	15.9	17.5	19.0
40°	6.6	7.9	9.3	10.6	11.9	13.3	14.6	15.7	17.1	18.7	20.5
42.5°	7.0	8.3	9.6	11.0	12.4	13.8	15.3	16.8	18.3	19.9	21.6
45°	7.2	8.8	10.4	11.7	13.0	14.3	15.7	17.3	19.0	20.8	22.6
47.5°	7.3	8.8	10.3	12.0	13.8	15.0	16.1	17.5	19.3	21.3	23.2
50°	7.3	9.0	10.6	12.1	13.3	14.8	16.4	17.8	19.3	21.3	23.7
52.5°	7.2	8.7	10.4	11.9	13.2	14.4	15.8	17.6	19.4	21.2	23.6
55°	7.2	8.9	10.3	11.4	12.7	14.1	15.5	17.0	19.0	21.2	23.4
57.5°	6.8	8.5	9.8	11.1	12.3	13.7	15.2	16.7	18.5	20.7	23.2
60°	6.3	7.8	9.1	10.5	11.9	13.3	15.0	16.5	18.2	20.2	23.7
62.5°	6.3	7.4	8.6	9.9	11.4	12.9	14.5	16.4	18.5	21.4	24.8
65°	5.5	7.0	8.6	9.7	11.0	12.6	14.1	16.6	19.7	22.7	26.1
67.5°	4.8	6.3	7.9	9.8	11.1	12.5	14.8	17.3	20.4	23.8	27.5
70°	4.3	5.8	7.4	9.2	11.4	13.2	15.4	18.0	21.0	24.7	28.7
72.5°	3.7	5.2	7.1	9.0	11.2	13.7	16.0	18.7	21.8	25.5	29.8
75°	3.1	4.7	6.3	8.8	11.1	13.7	16.5	19.5	22.6	26.3	30.8
77.5°	2.2	3.8	5.5	7.9	11.0	13.8	16.7	20.2	23.4	27.0	31.2
80°	1.2	2.6	4.7	7.0	10.7	14.0	16.9	20.3	23.8	27.5	31.7
82.5°	0.6	1.7	3.8	6.5	10.0	13.6	16.7	20.1	24.1	28.0	32.3
85°	0.3	1.2	3.3	6.1	9.5	13.5	16.8	20.2	24.5	28.7	33.2
87.5°	0.1	0.9	3.2	6.0	9.4	13.6	17.1	20.5	25.1	29.7	34.4
90°	0.0	0.7	3.5	6.3	9.8	14.0	17.6	21.1	26.0	30.9	35.8
92.5°	0.1	0.9	3.2	6.0	9.4	13.6	17.1	20.5	25.1	29.7	34.4
95°	0.3	1.2	3.3	6.1	9.5	13.5	16.8	20.2	24.5	28.7	33.2
97.5°	0.6	1.7	3.8	6.5	10.0	13.6	16.7	20.1	24.1	28.0	32.3
100°	1.2	2.6	4.7	7.0	10.7	14.0	16.9	20.3	23.8	27.5	31.7
102.5°	2.2	3.8	5.5	7.9	11.0	13.8	16.7	20.2	23.4	27.0	31.2
105°	3.1	4.7	6.3	8.8	11.1	13.7	16.5	19.5	22.6	26.3	30.8
107.5°	3.7	5.2	7.1	9.0	11.2	13.7	16.0	18.7	21.8	25.5	29.8
110°	4.3	5.8	7.4	9.2	11.4	13.2	15.4	18.0	21.0	24.7	28.7



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	4.8	6.3	7.9	9.8	11.1	12.5	14.8	17.3	20.4	23.8	27.5
115°	5.5	7.0	8.6	9.7	11.0	12.6	14.1	16.6	19.7	22.7	26.1
117.5°	6.3	7.4	8.6	9.9	11.4	12.9	14.5	16.4	18.5	21.4	24.8
120°	6.3	7.8	9.1	10.5	11.9	13.3	15.0	16.5	18.2	20.2	23.7
122.5°	6.8	8.5	9.8	11.1	12.3	13.7	15.2	16.7	18.5	20.7	23.2
125°	7.2	8.9	10.3	11.4	12.7	14.1	15.5	17.0	19.0	21.2	23.4
127.5°	7.2	8.7	10.4	11.9	13.2	14.4	15.8	17.6	19.4	21.2	23.6
130°	7.3	9.0	10.6	12.1	13.3	14.8	16.4	17.8	19.3	21.3	23.7
132.5°	7.3	8.8	10.3	12.0	13.8	15.0	16.1	17.5	19.3	21.3	23.2
135°	7.2	8.8	10.4	11.7	13.0	14.3	15.7	17.3	19.0	20.8	22.6
137.5°	7.0	8.3	9.6	11.0	12.4	13.8	15.3	16.8	18.3	19.9	21.6
140°	6.6	7.9	9.3	10.6	11.9	13.3	14.6	15.7	17.1	18.7	20.5
142.5°	6.3	7.6	8.9	10.1	11.3	12.4	13.4	14.6	15.9	17.5	19.0
145°	5.9	7.1	8.2	9.3	10.4	11.6	12.8	13.9	14.8	15.8	17.1
147.5°	5.5	6.6	7.7	8.8	9.9	10.8	11.8	12.7	13.7	14.8	15.9
150°	5.1	6.1	7.1	8.0	9.0	10.0	11.0	12.0	12.9	13.8	14.5
152.5°	4.7	5.6	6.6	7.5	8.4	9.3	10.2	11.0	11.7	12.5	13.4
155°	4.3	5.2	6.0	6.8	7.6	8.4	9.2	10.0	10.8	11.7	12.6
157.5°	3.9	4.7	5.4	6.2	7.0	7.7	8.5	9.3	10.2	11.0	11.9
160°	3.6	4.3	5.0	5.8	6.5	7.3	8.0	8.7	9.4	10.1	10.8
162.5°	3.3	4.0	4.6	5.3	5.9	6.6	7.2	7.8	8.5	9.2	9.8
165°	2.9	3.5	4.1	4.7	5.3	5.9	6.5	7.1	7.7	8.3	8.8
167.5°	2.6	3.1	3.6	4.1	4.7	5.2	5.7	6.2	6.7	7.2	7.7
170°	2.2	2.6	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3
172.5°	1.7	2.0	2.3	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
175°	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.7	2.9	3.1	3.3
177.5°	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8
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: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7
5°	3.5	3.7	3.9	4.1	4.2	4.4	4.6	4.7	4.9	5.0	5.2
7.5°	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.3	7.5
10°	6.7	7.0	7.4	7.7	8.0	8.4	8.7	8.9	9.2	9.5	9.8
12.5°	8.2	8.6	9.0	9.5	9.9	10.3	10.7	11.0	11.4	11.7	12.0
15°	9.4	10.0	10.6	11.2	11.7	12.1	12.6	13.1	13.5	13.9	14.3
17.5°	10.5	11.2	11.9	12.5	13.2	13.9	14.5	15.0	15.5	16.0	16.5
20°	11.5	12.2	13.0	13.8	14.5	15.3	16.1	16.8	17.5	18.1	18.6
22.5°	12.7	13.4	14.2	14.9	15.7	16.6	17.5	18.4	19.2	20.1	20.8
25°	13.5	14.5	15.4	16.2	17.0	17.8	18.8	19.8	20.8	21.8	23.6
27.5°	14.3	15.2	16.3	17.4	18.4	19.3	21.0	23.1	25.3	27.6	30.0
30°	15.3	16.2	17.2	18.8	21.0	23.2	25.4	27.6	30.1	32.9	35.7
32.5°	16.7	18.1	19.8	21.8	23.9	26.4	29.1	31.7	34.4	37.5	40.9
35°	18.9	20.8	22.5	24.4	26.7	29.2	32.1	35.2	38.4	41.6	45.5
37.5°	20.7	22.7	24.8	26.9	29.2	31.8	34.8	38.2	41.8	45.6	49.5
40°	22.4	24.4	26.5	29.0	31.5	34.1	37.3	40.8	44.8	49.1	53.5
42.5°	23.6	25.8	28.1	30.6	33.4	36.3	39.4	43.3	47.5	52.2	57.2
45°	24.5	26.8	29.3	32.0	35.0	38.1	41.6	45.3	50.0	55.0	60.4
47.5°	25.3	27.7	30.3	33.1	36.3	39.8	43.4	47.5	52.2	57.5	63.5
50°	25.9	28.3	31.1	34.1	37.4	41.2	45.1	49.5	54.7	60.2	65.5
52.5°	26.3	28.8	31.7	34.9	38.3	43.3	48.6	53.8	58.9	63.8	68.2
55°	26.1	29.2	32.3	36.7	41.6	46.7	52.5	58.2	63.5	68.1	71.7
57.5°	26.0	30.3	34.6	39.0	44.5	50.2	56.3	62.6	68.4	73.0	76.0
60°	27.6	31.7	36.6	41.4	47.0	53.3	59.8	66.8	73.2	78.1	81.0
62.5°	28.9	33.3	38.2	43.6	49.1	56.2	63.3	70.7	77.8	83.4	86.6
65°	30.2	34.8	39.7	45.6	51.4	58.7	66.6	74.6	82.5	89.1	92.7
67.5°	31.4	36.3	41.5	47.4	53.8	61.0	69.8	78.4	87.2	94.5	98.2
70°	32.9	37.7	43.2	49.2	56.1	63.2	72.9	82.1	91.5	99.2	102.4
72.5°	34.4	39.1	45.0	51.0	58.2	65.2	74.4	83.5	91.9	98.5	101.5
75°	36.0	40.4	45.8	51.5	58.2	65.8	74.8	84.1	92.3	98.3	100.8
77.5°	36.0	40.7	45.8	51.7	58.4	66.4	75.5	85.0	93.2	98.6	100.4
80°	36.3	41.1	46.1	52.0	58.8	67.1	76.5	86.2	94.4	99.3	100.2
82.5°	36.8	41.8	46.7	52.5	59.3	67.9	77.8	87.6	95.9	100.3	100.1
85°	37.6	42.7	47.5	53.3	60.1	68.9	79.4	89.3	97.8	101.5	100.0
87.5°	38.7	43.7	48.6	54.3	61.1	70.1	81.4	91.2	99.8	102.7	99.9
90°	40.0	45.0	49.9	55.5	62.5	71.7	83.6	93.4	101.9	104.0	99.8
92.5°	38.7	43.7	48.6	54.3	61.1	70.1	81.4	91.2	99.8	102.7	99.9
95°	37.6	42.7	47.5	53.3	60.1	68.9	79.4	89.3	97.8	101.5	100.0
97.5°	36.8	41.8	46.7	52.5	59.3	67.9	77.8	87.6	95.9	100.3	100.1
100°	36.3	41.1	46.1	52.0	58.8	67.1	76.5	86.2	94.4	99.3	100.2
102.5°	36.0	40.7	45.8	51.7	58.4	66.4	75.5	85.0	93.2	98.6	100.4
105°	36.0	40.4	45.8	51.5	58.2	65.8	74.8	84.1	92.3	98.3	100.8
107.5°	34.4	39.1	45.0	51.0	58.2	65.2	74.4	83.5	91.9	98.5	101.5
110°	32.9	37.7	43.2	49.2	56.1	63.2	72.9	82.1	91.5	99.2	102.4



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	31.4	36.3	41.5	47.4	53.8	61.0	69.8	78.4	87.2	94.5	98.2
115°	30.2	34.8	39.7	45.6	51.4	58.7	66.6	74.6	82.5	89.1	92.7
117.5°	28.9	33.3	38.2	43.6	49.1	56.2	63.3	70.7	77.8	83.4	86.6
120°	27.6	31.7	36.6	41.4	47.0	53.3	59.8	66.8	73.2	78.1	81.0
122.5°	26.0	30.3	34.6	39.0	44.5	50.2	56.3	62.6	68.4	73.0	76.0
125°	26.1	29.2	32.3	36.7	41.6	46.7	52.5	58.2	63.5	68.1	71.7
127.5°	26.3	28.8	31.7	34.9	38.3	43.3	48.6	53.8	58.9	63.8	68.2
130°	25.9	28.3	31.1	34.1	37.4	41.2	45.1	49.5	54.7	60.2	65.5
132.5°	25.3	27.7	30.3	33.1	36.3	39.8	43.4	47.5	52.2	57.5	63.5
135°	24.5	26.8	29.3	32.0	35.0	38.1	41.6	45.3	50.0	55.0	60.4
137.5°	23.6	25.8	28.1	30.6	33.4	36.3	39.4	43.3	47.5	52.2	57.2
140°	22.4	24.4	26.5	29.0	31.5	34.1	37.3	40.8	44.8	49.1	53.5
142.5°	20.7	22.7	24.8	26.9	29.2	31.8	34.8	38.2	41.8	45.6	49.5
145°	18.9	20.8	22.5	24.4	26.7	29.2	32.1	35.2	38.4	41.6	45.5
147.5°	16.7	18.1	19.8	21.8	23.9	26.4	29.1	31.7	34.4	37.5	40.9
150°	15.3	16.2	17.2	18.8	21.0	23.2	25.4	27.6	30.1	32.9	35.7
152.5°	14.3	15.2	16.3	17.4	18.4	19.3	21.0	23.1	25.3	27.6	30.0
155°	13.5	14.5	15.4	16.2	17.0	17.8	18.8	19.8	20.8	21.8	23.6
157.5°	12.7	13.4	14.2	14.9	15.7	16.6	17.5	18.4	19.2	20.1	20.8
160°	11.5	12.2	13.0	13.8	14.5	15.3	16.1	16.8	17.5	18.1	18.6
162.5°	10.5	11.2	11.9	12.5	13.2	13.9	14.5	15.0	15.5	16.0	16.5
165°	9.4	10.0	10.6	11.2	11.7	12.1	12.6	13.1	13.5	13.9	14.3
167.5°	8.2	8.6	9.0	9.5	9.9	10.3	10.7	11.0	11.4	11.7	12.0
170°	6.7	7.0	7.4	7.7	8.0	8.4	8.7	8.9	9.2	9.5	9.8
172.5°	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.3	7.5
175°	3.5	3.7	3.9	4.1	4.2	4.4	4.6	4.7	4.9	5.0	5.2
177.5°	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.5
5°	5.3	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.2	7.1
7.5°	7.7	7.9	8.1	8.4	8.6	8.7	8.9	9.1	9.2	9.4	10.6
10°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	12.3	12.5	14.1
12.5°	12.4	12.7	13.1	13.4	13.7	14.1	14.5	14.9	15.3	15.6	17.6
15°	14.7	15.0	15.4	15.8	16.2	16.6	17.1	17.7	18.2	18.7	21.1
17.5°	16.9	17.3	17.7	18.2	18.7	19.2	19.7	20.5	21.2	21.9	24.6
20°	19.2	19.7	20.1	20.6	21.1	21.7	22.3	23.2	24.1	25.0	28.1
22.5°	21.4	21.9	22.5	23.0	23.5	24.2	24.9	25.9	27.0	28.1	31.6
25°	25.3	26.9	28.4	29.7	30.7	31.7	32.6	33.5	34.6	35.5	39.0
27.5°	32.4	34.4	36.5	38.0	39.2	40.2	40.8	41.3	42.2	42.9	46.3
30°	38.6	41.5	44.0	46.5	47.7	48.8	49.2	49.3	49.9	50.3	53.6
32.5°	44.4	47.9	51.2	54.3	56.2	57.4	57.7	57.5	57.7	57.7	60.9
35°	49.6	53.8	58.0	61.7	64.8	66.0	66.3	65.8	65.5	65.2	68.1
37.5°	54.3	59.3	64.2	68.8	73.4	74.6	75.1	74.1	73.3	72.6	75.2
40°	58.6	64.3	70.0	75.7	80.7	83.2	84.0	82.6	81.2	80.0	82.3
42.5°	62.4	68.9	75.5	82.4	88.1	91.8	93.0	91.1	89.2	87.4	89.3
45°	66.4	73.2	80.7	88.2	95.2	100.5	101.7	99.7	97.2	94.8	96.2
47.5°	69.7	75.9	83.0	90.1	96.9	102.8	104.3	103.7	102.8	102.7	106.7
50°	70.7	76.0	82.7	89.6	96.6	103.2	106.0	107.2	108.3	110.6	117.5
52.5°	72.5	77.1	82.8	89.4	96.4	103.3	107.5	110.5	113.6	118.5	128.4
55°	75.1	78.7	83.2	89.3	96.2	103.4	108.9	113.5	118.7	126.4	139.5
57.5°	78.4	80.8	84.0	89.5	96.2	103.5	110.1	116.2	123.7	134.2	150.7
60°	82.3	83.4	85.4	90.1	96.4	103.7	111.1	118.8	128.5	142.1	162.1
62.5°	86.8	86.6	87.4	91.0	96.7	104.0	112.1	121.2	133.2	150.0	173.6
65°	91.7	90.3	89.9	92.1	97.2	104.2	112.9	123.4	137.8	157.9	185.2
67.5°	97.1	94.5	92.6	93.5	97.7	104.6	113.6	125.5	142.4	165.8	196.8
70°	100.5	96.5	93.6	93.5	97.2	103.8	112.6	124.4	141.2	164.9	196.3
72.5°	99.9	96.0	93.2	92.9	96.4	102.9	111.6	123.3	140.1	164.1	195.6
75°	99.3	95.3	92.8	92.4	95.7	102.2	110.6	122.2	139.0	163.2	196.0
77.5°	98.6	94.5	92.3	91.9	95.1	101.5	109.7	121.2	138.0	162.4	194.8
80°	97.9	93.6	91.7	91.4	94.5	100.9	108.8	120.3	137.0	161.5	193.7
82.5°	97.0	92.6	91.1	91.0	93.9	100.3	108.0	119.5	136.0	160.7	192.5
85°	96.1	91.5	90.5	90.6	93.5	99.8	107.3	118.7	135.2	159.8	191.3
87.5°	95.2	90.4	89.9	90.2	93.0	99.4	106.7	118.0	134.3	159.0	190.2
90°	94.1	89.2	89.2	89.9	92.7	99.1	106.1	117.3	133.5	158.1	189.0
92.5°	95.2	90.4	89.9	90.2	93.0	99.4	106.7	118.0	134.3	159.0	190.2
95°	96.1	91.5	90.5	90.6	93.5	99.8	107.3	118.7	135.2	159.8	191.3
97.5°	97.0	92.6	91.1	91.0	93.9	100.3	108.0	119.5	136.0	160.7	192.5
100°	97.9	93.6	91.7	91.4	94.5	100.9	108.8	120.3	137.0	161.5	193.7
102.5°	98.6	94.5	92.3	91.9	95.1	101.5	109.7	121.2	138.0	162.4	194.8
105°	99.3	95.3	92.8	92.4	95.7	102.2	110.6	122.2	139.0	163.2	196.0
107.5°	99.9	96.0	93.2	92.9	96.4	102.9	111.6	123.3	140.1	164.1	195.6
110°	100.5	96.5	93.6	93.5	97.2	103.8	112.6	124.4	141.2	164.9	196.3



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	97.1	94.5	92.6	93.5	97.7	104.6	113.6	125.5	142.4	165.8	196.8
115°	91.7	90.3	89.9	92.1	97.2	104.2	112.9	123.4	137.8	157.9	185.2
117.5°	86.8	86.6	87.4	91.0	96.7	104.0	112.1	121.2	133.2	150.0	173.6
120°	82.3	83.4	85.4	90.1	96.4	103.7	111.1	118.8	128.5	142.1	162.1
122.5°	78.4	80.8	84.0	89.5	96.2	103.5	110.1	116.2	123.7	134.2	150.7
125°	75.1	78.7	83.2	89.3	96.2	103.4	108.9	113.5	118.7	126.4	139.5
127.5°	72.5	77.1	82.8	89.4	96.4	103.3	107.5	110.5	113.6	118.5	128.4
130°	70.7	76.0	82.7	89.6	96.6	103.2	106.0	107.2	108.3	110.6	117.5
132.5°	69.7	75.9	83.0	90.1	96.9	102.8	104.3	103.7	102.8	102.7	106.7
135°	66.4	73.2	80.7	88.2	95.2	100.5	101.7	99.7	97.2	94.8	96.2
137.5°	62.4	68.9	75.5	82.4	88.1	91.8	93.0	91.1	89.2	87.4	89.3
140°	58.6	64.3	70.0	75.7	80.7	83.2	84.0	82.6	81.2	80.0	82.3
142.5°	54.3	59.3	64.2	68.8	73.4	74.6	75.1	74.1	73.3	72.6	75.2
145°	49.6	53.8	58.0	61.7	64.8	66.0	66.3	65.8	65.5	65.2	68.1
147.5°	44.4	47.9	51.2	54.3	56.2	57.4	57.7	57.5	57.7	57.7	60.9
150°	38.6	41.5	44.0	46.5	47.7	48.8	49.2	49.3	49.9	50.3	53.6
152.5°	32.4	34.4	36.5	38.0	39.2	40.2	40.8	41.3	42.2	42.9	46.3
155°	25.3	26.9	28.4	29.7	30.7	31.7	32.6	33.5	34.6	35.5	39.0
157.5°	21.4	21.9	22.5	23.0	23.5	24.2	24.9	25.9	27.0	28.1	31.6
160°	19.2	19.7	20.1	20.6	21.1	21.7	22.3	23.2	24.1	25.0	28.1
162.5°	16.9	17.3	17.7	18.2	18.7	19.2	19.7	20.5	21.2	21.9	24.6
165°	14.7	15.0	15.4	15.8	16.2	16.6	17.1	17.7	18.2	18.7	21.1
167.5°	12.4	12.7	13.1	13.4	13.7	14.1	14.5	14.9	15.3	15.6	17.6
170°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	12.3	12.5	14.1
172.5°	7.7	7.9	8.1	8.4	8.6	8.7	8.9	9.1	9.2	9.4	10.6
175°	5.3	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.2	7.1
177.5°	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	4.0	4.4	4.8	5.2	5.5	5.9	6.3	6.6	6.9	7.3	7.6
5°	7.9	8.7	9.5	10.3	11.0	11.8	12.5	13.2	13.8	14.5	15.1
7.5°	11.8	13.0	14.2	15.3	16.5	17.6	18.7	20.0	21.2	22.5	23.6
10°	15.7	17.3	18.9	20.4	21.9	23.8	25.7	27.4	29.2	30.8	32.5
12.5°	19.6	21.6	23.5	25.6	28.1	30.5	32.8	35.0	37.1	39.1	40.9
15°	23.5	25.8	28.2	31.3	34.3	37.2	40.0	42.5	44.9	47.3	49.8
17.5°	27.3	30.0	33.4	37.0	40.5	43.9	47.0	49.9	52.8	55.5	58.0
20°	31.2	34.3	38.6	42.8	46.9	50.5	54.0	57.3	60.6	63.6	66.6
22.5°	35.0	38.9	43.8	48.6	52.9	57.0	60.9	64.8	68.5	71.8	74.3
25°	42.3	46.7	51.7	56.4	60.7	64.8	68.9	72.9	76.4	79.0	81.8
27.5°	49.6	54.5	59.7	64.4	68.9	73.3	77.7	81.7	84.7	87.5	88.6
30°	56.8	62.2	67.5	72.2	77.2	81.6	86.1	89.6	92.8	94.5	95.5
32.5°	64.3	69.6	74.9	79.9	84.8	89.6	93.8	97.4	99.9	101.3	102.5
35°	71.5	76.9	82.2	87.3	92.4	97.6	101.3	104.8	106.7	108.4	109.6
37.5°	78.7	84.0	89.3	94.6	99.8	104.5	108.6	111.5	114.0	115.3	116.9
40°	85.8	90.9	96.3	101.7	106.9	111.5	115.6	118.4	120.6	122.3	124.7
42.5°	92.7	97.7	103.2	108.6	113.8	118.4	122.3	125.5	127.5	129.6	132.1
45°	99.6	104.4	109.9	115.3	120.5	125.2	129.1	132.2	134.3	136.7	139.5
47.5°	112.6	119.4	126.1	130.5	133.8	136.4	138.5	139.5	141.1	143.6	146.6
50°	126.3	135.8	144.5	148.8	151.2	152.5	153.2	153.3	153.8	154.7	156.0
52.5°	140.3	152.5	162.7	167.0	168.0	167.8	167.2	166.7	167.1	168.4	170.8
55°	154.6	169.7	180.8	184.6	184.4	182.4	180.7	180.0	180.4	182.1	185.5
57.5°	169.2	187.2	198.8	201.7	200.1	196.3	193.8	193.1	194.0	196.2	200.4
60°	184.0	204.9	216.7	218.4	215.1	209.7	206.5	206.1	207.4	210.5	215.7
62.5°	199.0	223.0	234.6	234.9	229.6	223.0	219.1	218.8	220.7	224.7	230.8
65°	214.1	241.2	252.4	251.0	243.8	236.0	232.0	231.9	233.9	238.7	245.4
67.5°	229.4	259.6	270.1	266.9	257.5	248.8	244.8	245.0	247.7	252.9	259.6
70°	229.8	261.7	274.4	274.1	265.7	257.7	254.8	256.1	260.3	266.6	273.4
72.5°	229.5	262.4	277.2	279.8	271.8	264.3	262.1	264.3	269.3	275.9	283.4
75°	229.2	263.1	280.3	286.0	278.2	271.0	269.4	272.5	278.2	285.0	292.8
77.5°	228.7	263.6	283.5	292.7	284.8	277.7	276.7	280.8	287.0	293.8	302.1
80°	229.1	263.9	286.9	299.6	291.4	284.5	284.0	289.1	295.6	302.5	311.2
82.5°	227.8	265.0	291.2	306.7	298.3	291.4	291.3	297.4	304.1	310.9	320.2
85°	226.6	264.5	294.1	314.3	305.1	298.2	298.7	305.8	312.5	319.1	328.9
87.5°	225.3	263.9	297.1	321.2	312.3	305.4	306.0	313.8	320.8	327.3	337.5
90°	224.1	263.4	300.0	328.1	319.6	312.6	313.3	321.7	328.8	335.1	345.6
92.5°	225.3	263.9	297.1	321.2	312.3	305.4	306.0	313.8	320.8	327.3	337.5
95°	226.6	264.5	294.1	314.3	305.1	298.2	298.7	305.8	312.5	319.1	328.9
97.5°	227.8	265.0	291.2	306.7	298.3	291.4	291.3	297.4	304.1	310.9	320.2
100°	229.1	263.9	286.9	299.6	291.4	284.5	284.0	289.1	295.6	302.5	311.2
102.5°	228.7	263.6	283.5	292.7	284.8	277.7	276.7	280.8	287.0	293.8	302.1
105°	229.2	263.1	280.3	286.0	278.2	271.0	269.4	272.5	278.2	285.0	292.8
107.5°	229.5	262.4	277.2	279.8	271.8	264.3	262.1	264.3	269.3	275.9	283.4
110°	229.8	261.7	274.4	274.1	265.7	257.7	254.8	256.1	260.3	266.6	273.4



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	229.4	259.6	270.1	266.9	257.5	248.8	244.8	245.0	247.7	252.9	259.6
115°	214.1	241.2	252.4	251.0	243.8	236.0	232.0	231.9	233.9	238.7	245.4
117.5°	199.0	223.0	234.6	234.9	229.6	223.0	219.1	218.8	220.7	224.7	230.8
120°	184.0	204.9	216.7	218.4	215.1	209.7	206.5	206.1	207.4	210.5	215.7
122.5°	169.2	187.2	198.8	201.7	200.1	196.3	193.8	193.1	194.0	196.2	200.4
125°	154.6	169.7	180.8	184.6	184.4	182.4	180.7	180.0	180.4	182.1	185.5
127.5°	140.3	152.5	162.7	167.0	168.0	167.8	167.2	166.7	167.1	168.4	170.8
130°	126.3	135.8	144.5	148.8	151.2	152.5	153.2	153.3	153.8	154.7	156.0
132.5°	112.6	119.4	126.1	130.5	133.8	136.4	138.5	139.5	141.1	143.6	146.6
135°	99.6	104.4	109.9	115.3	120.5	125.2	129.1	132.2	134.3	136.7	139.5
137.5°	92.7	97.7	103.2	108.6	113.8	118.4	122.3	125.5	127.5	129.6	132.1
140°	85.8	90.9	96.3	101.7	106.9	111.5	115.6	118.4	120.6	122.3	124.7
142.5°	78.7	84.0	89.3	94.6	99.8	104.5	108.6	111.5	114.0	115.3	116.9
145°	71.5	76.9	82.2	87.3	92.4	97.6	101.3	104.8	106.7	108.4	109.6
147.5°	64.3	69.6	74.9	79.9	84.8	89.6	93.8	97.4	99.9	101.3	102.5
150°	56.8	62.2	67.5	72.2	77.2	81.6	86.1	89.6	92.8	94.5	95.5
152.5°	49.6	54.5	59.7	64.4	68.9	73.3	77.7	81.7	84.7	87.5	88.6
155°	42.3	46.7	51.7	56.4	60.7	64.8	68.9	72.9	76.4	79.0	81.8
157.5°	35.0	38.9	43.8	48.6	52.9	57.0	60.9	64.8	68.5	71.8	74.3
160°	31.2	34.3	38.6	42.8	46.9	50.5	54.0	57.3	60.6	63.6	66.6
162.5°	27.3	30.0	33.4	37.0	40.5	43.9	47.0	49.9	52.8	55.5	58.0
165°	23.5	25.8	28.2	31.3	34.3	37.2	40.0	42.5	44.9	47.3	49.8
167.5°	19.6	21.6	23.5	25.6	28.1	30.5	32.8	35.0	37.1	39.1	40.9
170°	15.7	17.3	18.9	20.4	21.9	23.8	25.7	27.4	29.2	30.8	32.5
172.5°	11.8	13.0	14.2	15.3	16.5	17.6	18.7	20.0	21.2	22.5	23.6
175°	7.9	8.7	9.5	10.3	11.0	11.8	12.5	13.2	13.8	14.5	15.1
177.5°	4.0	4.4	4.8	5.2	5.5	5.9	6.3	6.6	6.9	7.3	7.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	7.9	8.1	8.4	8.7	8.9	9.1	9.3	9.5	9.6	9.8	9.9
5°	15.8	16.5	17.2	17.8	18.4	18.9	19.4	19.9	20.3	20.7	21.0
7.5°	24.8	25.8	26.8	27.8	28.6	29.4	30.1	30.8	31.4	31.9	32.4
10°	33.8	35.2	36.4	37.6	38.8	39.8	40.8	41.6	42.3	42.9	43.4
12.5°	42.7	44.4	46.0	47.4	48.6	49.8	50.9	51.8	52.7	53.4	54.0
15°	51.6	53.5	55.3	57.0	58.5	59.7	60.8	61.9	62.8	63.7	64.4
17.5°	60.4	63.0	64.4	66.1	67.6	69.1	70.4	71.6	72.8	74.0	75.2
20°	68.9	71.0	73.0	74.7	76.1	77.4	78.9	80.4	82.1	83.8	85.6
22.5°	76.8	78.9	80.1	81.5	83.0	84.7	86.5	88.5	90.7	93.5	96.3
25°	83.4	84.5	85.9	87.3	89.0	90.9	93.9	97.1	100.4	103.8	107.5
27.5°	89.3	89.8	90.4	91.9	94.8	98.2	102.1	105.9	110.2	114.5	119.0
30°	96.3	97.0	98.0	100.0	102.0	105.3	110.0	114.7	120.0	125.2	130.8
32.5°	103.5	104.9	107.2	109.6	112.8	116.0	119.6	123.6	129.8	137.3	144.6
35°	111.2	113.6	116.4	119.8	123.4	127.5	131.5	137.5	143.1	152.2	164.0
37.5°	119.4	122.2	125.8	129.7	134.2	139.6	146.3	153.9	164.8	176.3	187.5
40°	127.3	130.9	135.0	139.8	146.1	153.4	163.8	175.7	189.0	203.0	216.8
42.5°	135.5	139.3	144.3	150.9	158.9	170.8	183.7	199.6	216.4	231.8	248.0
45°	143.0	148.0	154.3	162.9	175.1	188.9	206.7	224.3	242.7	261.7	282.2
47.5°	150.9	156.2	165.4	177.1	191.5	210.4	229.6	249.5	271.5	294.4	317.3
50°	159.0	166.5	176.9	191.9	210.7	231.2	252.5	276.5	303.2	327.6	352.7
52.5°	174.6	181.7	192.9	208.0	230.7	251.8	276.9	305.8	332.9	360.7	388.5
55°	191.2	199.8	212.6	230.5	250.6	273.0	302.4	332.9	363.0	392.8	423.4
57.5°	207.3	217.7	232.3	251.2	272.0	299.1	328.9	360.2	391.5	423.4	456.3
60°	223.3	234.2	251.1	270.6	294.1	322.5	353.6	385.7	417.9	451.0	486.1
62.5°	239.2	251.1	268.2	288.2	314.5	344.0	375.8	408.5	440.7	474.5	512.5
65°	254.0	267.1	284.4	305.8	332.7	362.7	395.9	427.4	459.8	495.5	537.6
67.5°	267.8	281.4	299.1	321.9	349.1	379.9	412.6	442.5	475.1	515.6	569.2
70°	281.4	294.6	312.3	335.8	363.0	395.1	425.1	454.7	489.6	534.7	599.0
72.5°	293.1	307.0	324.7	347.9	374.9	409.7	434.4	463.6	501.9	556.2	622.8
75°	303.9	317.8	334.3	355.7	383.0	414.3	440.8	470.4	510.8	572.6	641.6
77.5°	314.4	327.3	341.8	361.4	387.8	416.5	444.3	477.9	524.9	587.1	656.6
80°	324.5	335.8	347.5	365.1	390.2	417.6	446.6	483.6	536.5	601.1	677.2
82.5°	334.2	343.3	351.8	367.3	390.4	417.7	447.5	487.4	544.4	611.1	691.6
85°	343.6	350.1	355.0	368.2	388.9	416.7	447.1	489.1	548.7	616.8	699.9
87.5°	352.8	356.5	357.5	368.3	386.4	415.1	445.9	489.9	551.1	620.4	705.0
90°	361.1	362.5	359.7	367.4	382.2	411.0	441.9	486.1	546.5	615.4	698.3
92.5°	352.8	356.5	357.5	368.3	386.4	415.1	445.9	489.9	551.1	620.4	705.0
95°	343.6	350.1	355.0	368.2	388.9	416.7	447.1	489.1	548.7	616.8	699.9
97.5°	334.2	343.3	351.8	367.3	390.4	417.7	447.5	487.4	544.4	611.1	691.6
100°	324.5	335.8	347.5	365.1	390.2	417.6	446.6	483.6	536.5	601.1	677.2
102.5°	314.4	327.3	341.8	361.4	387.8	416.5	444.3	477.9	524.9	587.1	656.6
105°	303.9	317.8	334.3	355.7	383.0	414.3	440.8	470.4	510.8	572.6	641.6
107.5°	293.1	307.0	324.7	347.9	374.9	409.7	434.4	463.6	501.9	556.2	622.8
110°	281.4	294.6	312.3	335.8	363.0	395.1	425.1	454.7	489.6	534.7	599.0



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	267.8	281.4	299.1	321.9	349.1	379.9	412.6	442.5	475.1	515.6	569.2
115°	254.0	267.1	284.4	305.8	332.7	362.7	395.9	427.4	459.8	495.5	537.6
117.5°	239.2	251.1	268.2	288.2	314.5	344.0	375.8	408.5	440.7	474.5	512.5
120°	223.3	234.2	251.1	270.6	294.1	322.5	353.6	385.7	417.9	451.0	486.1
122.5°	207.3	217.7	232.3	251.2	272.0	299.1	328.9	360.2	391.5	423.4	456.3
125°	191.2	199.8	212.6	230.5	250.6	273.0	302.4	332.9	363.0	392.8	423.4
127.5°	174.6	181.7	192.9	208.0	230.7	251.8	276.9	305.8	332.9	360.7	388.5
130°	159.0	166.5	176.9	191.9	210.7	231.2	252.5	276.5	303.2	327.6	352.7
132.5°	150.9	156.2	165.4	177.1	191.5	210.4	229.6	249.5	271.5	294.4	317.3
135°	143.0	148.0	154.3	162.9	175.1	188.9	206.7	224.3	242.7	261.7	282.2
137.5°	135.5	139.3	144.3	150.9	158.9	170.8	183.7	199.6	216.4	231.8	248.0
140°	127.3	130.9	135.0	139.8	146.1	153.4	163.8	175.7	189.0	203.0	216.8
142.5°	119.4	122.2	125.8	129.7	134.2	139.6	146.3	153.9	164.8	176.3	187.5
145°	111.2	113.6	116.4	119.8	123.4	127.5	131.5	137.5	143.1	152.2	164.0
147.5°	103.5	104.9	107.2	109.6	112.8	116.0	119.6	123.6	129.8	137.3	144.6
150°	96.3	97.0	98.0	100.0	102.0	105.3	110.0	114.7	120.0	125.2	130.8
152.5°	89.3	89.8	90.4	91.9	94.8	98.2	102.1	105.9	110.2	114.5	119.0
155°	83.4	84.5	85.9	87.3	89.0	90.9	93.9	97.1	100.4	103.8	107.5
157.5°	76.8	78.9	80.1	81.5	83.0	84.7	86.5	88.5	90.7	93.5	96.3
160°	68.9	71.0	73.0	74.7	76.1	77.4	78.9	80.4	82.1	83.8	85.6
162.5°	60.4	63.0	64.4	66.1	67.6	69.1	70.4	71.6	72.8	74.0	75.2
165°	51.6	53.5	55.3	57.0	58.5	59.7	60.8	61.9	62.8	63.7	64.4
167.5°	42.7	44.4	46.0	47.4	48.6	49.8	50.9	51.8	52.7	53.4	54.0
170°	33.8	35.2	36.4	37.6	38.8	39.8	40.8	41.6	42.3	42.9	43.4
172.5°	24.8	25.8	26.8	27.8	28.6	29.4	30.1	30.8	31.4	31.9	32.4
175°	15.8	16.5	17.2	17.8	18.4	18.9	19.4	19.9	20.3	20.7	21.0
177.5°	7.9	8.1	8.4	8.7	8.9	9.1	9.3	9.5	9.6	9.8	9.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232019

CATALOG NUMBER: FVS4WM-3-LD4-50-1LO-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°	10.0	10.1	10.2	10.2	10.3	10.3	10.6	10.5	10.3	10.2	10.1
5°	21.3	21.5	21.7	21.9	22.0	22.0	22.0	22.0	22.2	22.0	21.7
7.5°	32.8	33.1	33.4	33.6	33.7	33.8	33.8	33.7	33.5	33.6	33.2
10°	43.8	44.1	44.4	44.5	44.6	44.6	44.5	44.3	44.0	44.0	43.4
12.5°	54.5	54.9	55.2	55.4	55.5	55.5	55.4	55.2	54.9	54.5	54.2
15°	65.3	66.1	66.8	67.4	68.0	68.4	68.8	69.0	69.1	69.1	69.3
17.5°	76.4	77.7	78.9	80.1	81.2	82.2	83.1	83.8	84.4	84.8	85.5
20°	87.3	89.2	91.3	93.3	95.1	96.8	98.4	99.8	100.9	101.9	103.2
22.5°	99.1	101.8	104.5	107.3	109.9	112.2	114.4	116.4	118.1	119.6	121.4
25°	111.2	114.7	118.2	121.8	125.1	128.3	131.3	134.0	136.4	138.5	140.2
27.5°	123.5	128.0	132.4	137.0	141.9	146.5	150.7	154.6	158.0	161.0	163.6
30°	136.9	143.2	149.3	155.3	162.3	168.6	174.3	179.3	183.6	187.2	190.1
32.5°	152.7	162.4	171.4	179.6	187.7	195.1	201.7	207.3	212.0	215.8	218.7
35°	175.1	186.6	197.5	207.4	216.4	224.3	230.9	236.2	240.4	243.4	245.4
37.5°	201.3	214.3	226.8	237.7	247.0	256.2	264.1	270.5	275.4	278.8	280.8
40°	231.1	245.6	260.0	273.3	284.7	295.6	306.2	315.4	323.1	329.1	333.5
42.5°	265.4	282.3	298.4	314.1	328.7	342.5	356.6	369.2	380.1	389.0	395.9
45°	301.9	321.1	338.9	358.2	377.0	396.8	412.7	429.4	444.2	456.7	466.8
47.5°	339.2	361.5	383.4	405.2	428.6	451.1	474.9	498.0	517.8	534.2	547.0
50°	378.1	403.4	429.6	455.4	488.2	519.7	550.0	580.2	605.5	625.7	640.9
52.5°	417.0	445.8	480.0	516.5	559.6	603.7	640.9	673.5	699.7	719.8	733.8
55°	455.0	491.9	533.6	583.2	636.2	692.1	735.6	763.2	783.9	799.7	810.5
57.5°	493.1	537.4	588.3	648.5	713.5	763.7	810.2	832.5	846.4	857.0	864.1
60°	528.6	579.4	643.2	707.4	767.5	817.7	856.4	880.5	893.1	902.9	909.8
62.5°	558.4	622.7	691.7	759.3	815.8	862.5	896.9	921.0	933.6	943.7	951.1
65°	596.0	662.9	738.2	807.0	864.9	910.3	936.6	956.2	968.4	977.4	984.2
67.5°	634.1	707.4	786.0	859.3	916.9	948.1	969.9	984.5	996.3	1006.3	1013.8
70°	669.0	749.0	831.0	908.8	952.5	977.2	995.3	1009.5	1022.2	1031.7	1038.8
72.5°	699.1	783.9	868.6	933.4	975.7	999.6	1015.9	1030.1	1043.6	1051.4	1058.0
75°	725.0	811.3	893.3	957.7	997.7	1016.7	1032.0	1046.8	1058.9	1067.0	1074.4
77.5°	743.7	831.1	919.4	981.8	1012.3	1031.2	1047.1	1062.6	1073.6	1082.3	1089.5
80°	762.3	851.0	940.7	1001.9	1025.4	1044.7	1060.2	1074.0	1086.1	1095.6	1103.4
82.5°	778.2	870.8	958.4	1009.9	1034.5	1053.6	1068.7	1081.9	1094.1	1102.2	1112.5
85°	787.8	881.7	971.9	1015.3	1038.3	1057.9	1072.8	1086.5	1098.7	1108.0	1119.7
87.5°	794.4	884.0	979.4	1018.8	1038.9	1060.2	1073.3	1088.1	1100.7	1107.6	1120.2
90°	787.5	878.1	979.3	1019.3	1036.9	1060.1	1071.3	1087.4	1098.7	1107.8	1117.7
92.5°	794.4	884.0	979.4	1018.8	1038.9	1060.2	1073.3	1088.1	1100.7	1107.6	1120.2
95°	787.8	881.7	971.9	1015.3	1038.3	1057.9	1072.8	1086.5	1098.7	1108.0	1119.7
97.5°	778.2	870.8	958.4	1009.9	1034.5	1053.6	1068.7	1081.9	1094.1	1102.2	1112.5
100°	762.3	851.0	940.7	1001.9	1025.4	1044.7	1060.2	1074.0	1086.1	1095.6	1103.4
102.5°	743.7	831.1	919.4	981.8	1012.3	1031.2	1047.1	1062.6	1073.6	1082.3	1089.5
105°	725.0	811.3	893.3	957.7	997.7	1016.7	1032.0	1046.8	1058.9	1067.0	1074.4
107.5°	699.1	783.9	868.6	933.4	975.7	999.6	1015.9	1030.1	1043.6	1051.4	1058.0
110°	669.0	749.0	831.0	908.8	952.5	977.2	995.3	1009.5	1022.2	1031.7	1038.8



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	634.1	707.4	786.0	859.3	916.9	948.1	969.9	984.5	996.3	1006.3	1013.8
115°	596.0	662.9	738.2	807.0	864.9	910.3	936.6	956.2	968.4	977.4	984.2
117.5°	558.4	622.7	691.7	759.3	815.8	862.5	896.9	921.0	933.6	943.7	951.1
120°	528.6	579.4	643.2	707.4	767.5	817.7	856.4	880.5	893.1	902.9	909.8
122.5°	493.1	537.4	588.3	648.5	713.5	763.7	810.2	832.5	846.4	857.0	864.1
125°	455.0	491.9	533.6	583.2	636.2	692.1	735.6	763.2	783.9	799.7	810.5
127.5°	417.0	445.8	480.0	516.5	559.6	603.7	640.9	673.5	699.7	719.8	733.8
130°	378.1	403.4	429.6	455.4	488.2	519.7	550.0	580.2	605.5	625.7	640.9
132.5°	339.2	361.5	383.4	405.2	428.6	451.1	474.9	498.0	517.8	534.2	547.0
135°	301.9	321.1	338.9	358.2	377.0	396.8	412.7	429.4	444.2	456.7	466.8
137.5°	265.4	282.3	298.4	314.1	328.7	342.5	356.6	369.2	380.1	389.0	395.9
140°	231.1	245.6	260.0	273.3	284.7	295.6	306.2	315.4	323.1	329.1	333.5
142.5°	201.3	214.3	226.8	237.7	247.0	256.2	264.1	270.5	275.4	278.8	280.8
145°	175.1	186.6	197.5	207.4	216.4	224.3	230.9	236.2	240.4	243.4	245.4
147.5°	152.7	162.4	171.4	179.6	187.7	195.1	201.7	207.3	212.0	215.8	218.7
150°	136.9	143.2	149.3	155.3	162.3	168.6	174.3	179.3	183.6	187.2	190.1
152.5°	123.5	128.0	132.4	137.0	141.9	146.5	150.7	154.6	158.0	161.0	163.6
155°	111.2	114.7	118.2	121.8	125.1	128.3	131.3	134.0	136.4	138.5	140.2
157.5°	99.1	101.8	104.5	107.3	109.9	112.2	114.4	116.4	118.1	119.6	121.4
160°	87.3	89.2	91.3	93.3	95.1	96.8	98.4	99.8	100.9	101.9	103.2
162.5°	76.4	77.7	78.9	80.1	81.2	82.2	83.1	83.8	84.4	84.8	85.5
165°	65.3	66.1	66.8	67.4	68.0	68.4	68.8	69.0	69.1	69.1	69.3
167.5°	54.5	54.9	55.2	55.4	55.5	55.5	55.4	55.2	54.9	54.5	54.2
170°	43.8	44.1	44.4	44.5	44.6	44.6	44.5	44.3	44.0	44.0	43.4
172.5°	32.8	33.1	33.4	33.6	33.7	33.8	33.8	33.7	33.5	33.6	33.2
175°	21.3	21.5	21.7	21.9	22.0	22.0	22.0	22.0	22.2	22.0	21.7
177.5°	10.0	10.1	10.2	10.2	10.3	10.3	10.6	10.5	10.3	10.2	10.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	9.9	9.8
5°	21.4	21.1
7.5°	32.7	32.3
10°	42.7	42.1
12.5°	53.5	52.7
15°	68.7	68.1
17.5°	85.3	85.0
20°	103.2	103.3
22.5°	121.8	122.2
25°	141.8	142.6
27.5°	165.9	167.2
30°	192.7	193.9
32.5°	221.2	222.0
35°	246.8	246.6
37.5°	282.1	281.0
40°	337.0	336.5
42.5°	401.7	402.5
45°	475.7	478.4
47.5°	558.1	561.3
50°	653.5	656.1
52.5°	744.5	744.6
55°	818.8	817.7
57.5°	869.3	867.6
60°	915.3	913.9
62.5°	955.3	956.1
65°	988.4	989.8
67.5°	1018.4	1020.0
70°	1043.1	1044.6
72.5°	1063.3	1066.4
75°	1081.7	1086.7
77.5°	1097.2	1101.5
80°	1110.2	1112.7
82.5°	1120.0	1126.8
85°	1123.4	1128.2
87.5°	1127.7	1134.5
90°	1121.2	1132.4
92.5°	1127.7	1134.5
95°	1123.4	1128.2
97.5°	1120.0	1126.8
100°	1110.2	1112.7
102.5°	1097.2	1101.5
105°	1081.7	1086.7
107.5°	1063.3	1066.4
110°	1043.1	1044.6



TEST NUMBER: P232019

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1018.4	1020.0
115°	988.4	989.8
117.5°	955.3	956.1
120°	915.3	913.9
122.5°	869.3	867.6
125°	818.8	817.7
127.5°	744.5	744.6
130°	653.5	656.1
132.5°	558.1	561.3
135°	475.7	478.4
137.5°	401.7	402.5
140°	337.0	336.5
142.5°	282.1	281.0
145°	246.8	246.6
147.5°	221.2	222.0
150°	192.7	193.9
152.5°	165.9	167.2
155°	141.8	142.6
157.5°	121.8	122.2
160°	103.2	103.3
162.5°	85.3	85.0
165°	68.7	68.1
167.5°	53.5	52.7
170°	42.7	42.1
172.5°	32.7	32.3
175°	21.4	21.1
177.5°	9.9	9.8
180°	0.0	0.0

(END OF REPORT)