

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: P231932

Luminaire Tested: **FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

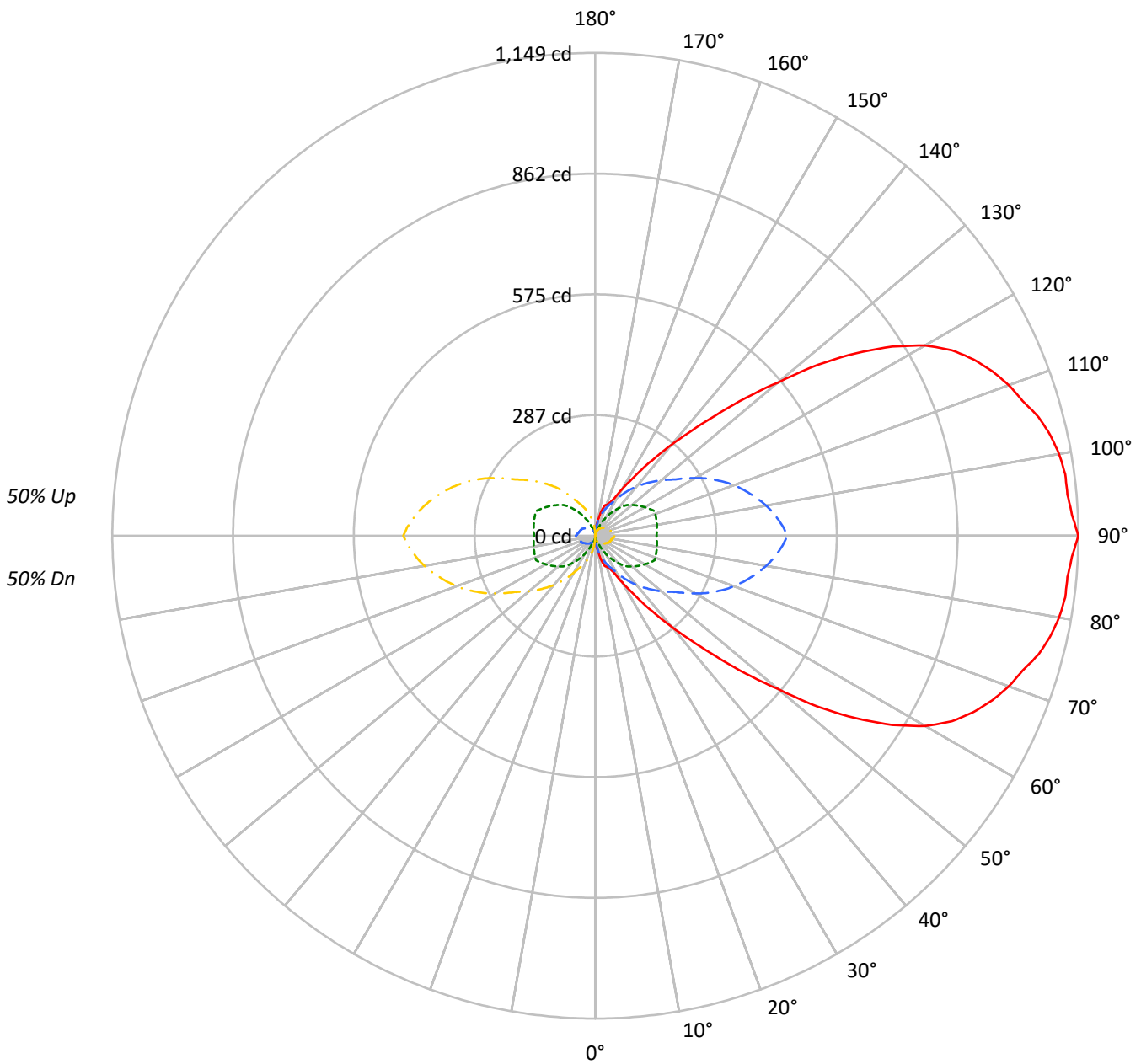
Lumens per Lamp: N/A
Luminaire Lumens: 2538.9 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 24.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	33	28
2	80	69	60	52	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	58	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	32	58	46	37	30	37	29	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	26	20	28	21	16	22	16	12	16	11	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	0	0	0	0
5°	464	154	0	154
10°	914	310	0	310
15°	1415	466	0	466
20°	1543	632	0	632
25°	1666	995	0	995
30°	2265	1577	0	1577
35°	3233	2215	0	2215
40°	4613	2923	0	2923
45°	6425	3737	10	3737
50°	8850	4436	9	4436
55°	11704	5290	9	5290
60°	13957	6353	9	6353
65°	15384	7724	9	7724
70°	16436	9187	9	9187
75°	17493	10814	10	10814
80°	18488	13335	0	13335
85°	19322	17665	0	17665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	8.2	0.3
20°-30°	22.1	0.9
30°-40°	50.4	2.0
40°-50°	98.4	3.9
50°-60°	175.0	6.9
60°-70°	257.5	10.1
70°-80°	313.8	12.4
80°-90°	343.0	13.5
90°-100°	343.0	13.5
100°-110°	313.8	12.4
110°-120°	257.5	10.1
120°-130°	175.0	6.9
130°-140°	98.4	3.9
140°-150°	50.4	2.0
150°-160°	22.1	0.9
160°-170°	8.2	0.3
170°-180°	1.1	0.0
0°-30°	31.4	1.2
0°-40°	81.8	3.2
0°-60°	355.2	14.0
0°-90°	1269.4	50.0
90°-120°	914.2	36.0
90°-150°	1238.0	48.8
90°-180°	1269.0	50.0
0°-180°	2538.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	18	5	0	5	18	2
15°	66	16	0	16	66	18
25°	90	32	0	32	90	45
35°	192	68	0	68	192	125
45°	404	103	1	103	404	323
55°	758	125	1	125	758	676
65°	993	147	1	147	993	981
75°	1091	150	1	150	1091	1151
85°	1127	147	0	147	1127	921
90°	1149	146	0	146	1149	626
95°	1127	147	0	147	1127	921
105°	1091	150	1	150	1091	1151
115°	993	147	1	147	993	981
125°	758	125	1	125	758	676
135°	404	103	1	103	404	323
145°	192	68	0	68	192	125
155°	90	32	0	32	90	45
165°	66	16	0	16	66	18
175°	18	5	0	5	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	7.7	7.8	7.9	8.0	8.1	8.3	8.4	8.1	8.1	8.1	8.1
5°	17.7	17.9	18.1	18.4	18.6	18.3	18.3	18.3	18.2	18.1	18.0
7.5°	28.3	28.6	28.9	29.2	29.0	29.0	29.0	28.9	28.8	28.6	28.3
10°	38.9	39.3	39.6	40.0	39.7	39.7	39.7	39.5	39.3	39.0	38.6
12.5°	51.3	51.7	52.0	51.9	51.8	51.7	51.4	51.0	50.6	50.0	49.4
15°	66.0	66.2	66.4	65.9	65.6	65.1	64.5	63.7	62.9	61.9	60.9
17.5°	76.1	76.4	76.6	76.3	76.0	75.7	75.2	74.5	73.7	72.8	71.7
20°	77.8	78.5	79.3	79.8	80.3	80.7	81.0	81.1	81.0	80.8	80.4
22.5°	83.1	84.4	85.6	86.3	87.1	87.6	88.0	88.1	88.0	87.6	87.0
25°	89.6	91.4	93.0	94.4	95.6	96.5	97.2	97.5	97.6	97.3	96.7
27.5°	103.8	105.7	107.0	108.2	109.0	109.5	109.8	109.7	109.3	108.7	108.0
30°	128.5	130.1	130.5	130.6	130.3	129.5	128.3	126.7	124.7	122.5	121.4
32.5°	155.7	156.9	156.6	156.0	154.8	153.1	150.8	148.1	145.0	141.8	138.6
35°	191.6	192.0	190.3	188.1	185.2	181.5	177.2	172.3	166.9	162.4	157.8
37.5°	233.5	233.0	229.8	226.1	221.3	215.5	208.8	201.4	193.5	186.5	179.3
40°	283.0	281.8	277.1	271.6	264.6	256.1	246.4	235.4	224.6	214.5	203.9
42.5°	338.4	336.4	330.0	322.8	313.7	302.8	290.4	276.4	262.5	247.9	232.3
45°	404.5	401.6	393.1	383.4	371.2	356.6	339.9	323.5	304.6	286.3	267.7
47.5°	485.2	480.9	469.2	456.0	439.6	420.4	398.5	375.7	353.0	328.8	307.6
50°	567.2	563.3	550.8	536.0	517.0	493.6	466.1	437.9	408.7	378.9	352.5
52.5°	669.2	664.8	649.0	630.5	606.6	577.6	543.8	510.0	472.4	435.3	401.6
55°	757.6	749.5	731.3	711.8	689.0	663.7	634.0	591.2	542.7	497.6	453.9
57.5°	837.8	825.5	803.3	780.0	753.9	725.8	695.2	658.8	618.5	561.6	508.8
60°	905.6	889.3	863.8	837.5	808.7	778.2	745.9	711.3	670.4	620.1	563.9
62.5°	956.3	934.7	909.5	881.6	851.7	820.7	789.5	757.0	717.8	673.9	614.5
65°	992.9	972.0	947.4	918.7	886.0	854.0	824.4	792.5	756.1	714.7	664.9
67.5°	1022.4	1003.0	979.8	952.3	920.5	888.3	854.2	820.0	784.8	745.9	701.5
70°	1047.1	1030.5	1009.6	983.4	952.2	917.8	881.4	844.1	806.9	770.2	730.1
72.5°	1066.0	1053.3	1036.1	1013.0	981.7	943.3	904.3	864.0	827.2	791.1	753.7
75°	1091.4	1080.5	1064.1	1037.4	1001.8	964.2	923.4	884.5	846.3	808.3	770.3
77.5°	1108.5	1102.4	1090.0	1058.6	1020.2	978.8	942.0	902.8	862.5	822.4	782.1
80°	1120.3	1116.3	1104.6	1075.0	1034.5	994.9	955.3	918.0	874.2	833.0	791.0
82.5°	1127.3	1126.5	1117.0	1091.6	1048.0	1005.7	963.7	923.4	882.7	841.9	801.7
85°	1127.3	1134.6	1131.0	1098.9	1054.7	1010.5	970.7	931.5	890.1	848.1	808.4
87.5°	1135.0	1140.3	1126.5	1103.0	1060.3	1019.2	977.3	937.1	892.5	849.9	810.9
90°	1148.6	1140.3	1122.0	1103.7	1061.3	1020.0	977.6	937.5	889.7	847.3	809.5
92.5°	1135.0	1140.3	1126.5	1103.0	1060.3	1019.2	977.3	937.1	892.5	849.9	810.9
95°	1127.3	1134.6	1131.0	1098.9	1054.7	1010.5	970.7	931.5	890.1	848.1	808.4
97.5°	1127.3	1126.5	1117.0	1091.6	1048.0	1005.7	963.7	923.4	882.7	841.9	801.7
100°	1120.3	1116.3	1104.6	1075.0	1034.5	994.9	955.3	918.0	874.2	833.0	791.0
102.5°	1108.5	1102.4	1090.0	1058.6	1020.2	978.8	942.0	902.8	862.5	822.4	782.1
105°	1091.4	1080.5	1064.1	1037.4	1001.8	964.2	923.4	884.5	846.3	808.3	770.3
107.5°	1066.0	1053.3	1036.1	1013.0	981.7	943.3	904.3	864.0	827.2	791.1	753.7
110°	1047.1	1030.5	1009.6	983.4	952.2	917.8	881.4	844.1	806.9	770.2	730.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1022.4	1003.0	979.8	952.3	920.5	888.3	854.2	820.0	784.8	745.9	701.5
115°	992.9	972.0	947.4	918.7	886.0	854.0	824.4	792.5	756.1	714.7	664.9
117.5°	956.3	934.7	909.5	881.6	851.7	820.7	789.5	757.0	717.8	673.9	614.5
120°	905.6	889.3	863.8	837.5	808.7	778.2	745.9	711.3	670.4	620.1	563.9
122.5°	837.8	825.5	803.3	780.0	753.9	725.8	695.2	658.8	618.5	561.6	508.8
125°	757.6	749.5	731.3	711.8	689.0	663.7	634.0	591.2	542.7	497.6	453.9
127.5°	669.2	664.8	649.0	630.5	606.6	577.6	543.8	510.0	472.4	435.3	401.6
130°	567.2	563.3	550.8	536.0	517.0	493.6	466.1	437.9	408.7	378.9	352.5
132.5°	485.2	480.9	469.2	456.0	439.6	420.4	398.5	375.7	353.0	328.8	307.6
135°	404.5	401.6	393.1	383.4	371.2	356.6	339.9	323.5	304.6	286.3	267.7
137.5°	338.4	336.4	330.0	322.8	313.7	302.8	290.4	276.4	262.5	247.9	232.3
140°	283.0	281.8	277.1	271.6	264.6	256.1	246.4	235.4	224.6	214.5	203.9
142.5°	233.5	233.0	229.8	226.1	221.3	215.5	208.8	201.4	193.5	186.5	179.3
145°	191.6	192.0	190.3	188.1	185.2	181.5	177.2	172.3	166.9	162.4	157.8
147.5°	155.7	156.9	156.6	156.0	154.8	153.1	150.8	148.1	145.0	141.8	138.6
150°	128.5	130.1	130.5	130.6	130.3	129.5	128.3	126.7	124.7	122.5	121.4
152.5°	103.8	105.7	107.0	108.2	109.0	109.5	109.8	109.7	109.3	108.7	108.0
155°	89.6	91.4	93.0	94.4	95.6	96.5	97.2	97.5	97.6	97.3	96.7
157.5°	83.1	84.4	85.6	86.3	87.1	87.6	88.0	88.1	88.0	87.6	87.0
160°	77.8	78.5	79.3	79.8	80.3	80.7	81.0	81.1	81.0	80.8	80.4
162.5°	76.1	76.4	76.6	76.3	76.0	75.7	75.2	74.5	73.7	72.8	71.7
165°	66.0	66.2	66.4	65.9	65.6	65.1	64.5	63.7	62.9	61.9	60.9
167.5°	51.3	51.7	52.0	51.9	51.8	51.7	51.4	51.0	50.6	50.0	49.4
170°	38.9	39.3	39.6	40.0	39.7	39.7	39.7	39.5	39.3	39.0	38.6
172.5°	28.3	28.6	28.9	29.2	29.0	29.0	29.0	28.9	28.8	28.6	28.3
175°	17.7	17.9	18.1	18.4	18.6	18.3	18.3	18.3	18.2	18.1	18.0
177.5°	7.7	7.8	7.9	8.0	8.1	8.3	8.4	8.1	8.1	8.1	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):

	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°	8.0	8.0	7.9	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.7
5°	17.8	17.6	17.3	17.0	16.7	16.3	15.9	15.5	15.0	14.5	13.9
7.5°	28.0	27.6	27.2	26.7	26.2	25.6	25.0	24.3	23.6	22.8	22.0
10°	38.1	37.6	37.0	36.3	35.6	34.8	33.9	33.0	32.1	31.1	30.0
12.5°	48.6	47.8	46.9	45.9	44.9	43.9	42.8	41.6	40.4	39.1	37.7
15°	59.7	58.5	57.2	55.9	54.6	53.2	51.7	50.2	48.6	47.0	45.4
17.5°	70.5	69.2	67.6	65.9	64.1	62.3	60.5	58.6	56.7	54.8	52.8
20°	79.7	78.5	76.8	75.0	73.0	70.9	68.8	66.6	64.4	62.2	60.0
22.5°	86.2	85.4	84.4	83.1	81.5	79.2	76.7	74.1	71.4	68.9	66.5
25°	95.8	94.6	93.1	91.1	89.2	87.1	84.6	81.8	78.7	75.4	72.4
27.5°	107.1	105.8	104.0	101.9	99.4	96.5	93.6	90.0	86.4	82.5	78.7
30°	120.0	118.3	116.7	114.1	111.2	107.8	104.1	99.8	96.2	93.4	90.4
32.5°	135.3	131.8	129.2	126.8	124.1	120.6	116.9	113.3	109.6	105.8	102.5
35°	153.0	148.3	144.1	139.9	136.5	133.9	131.0	127.0	122.7	118.5	114.3
37.5°	171.9	165.8	160.0	155.8	151.4	147.3	143.7	140.1	135.7	130.9	126.3
40°	193.7	185.4	178.4	172.5	167.0	161.8	157.1	152.6	148.2	143.3	138.0
42.5°	219.5	209.1	199.2	191.3	183.9	177.1	170.8	165.6	160.4	155.2	149.6
45°	252.0	235.7	222.9	211.3	201.6	192.7	185.4	178.4	172.8	167.1	161.0
47.5°	287.6	267.7	249.6	232.9	220.5	209.5	200.0	192.0	184.7	178.8	172.4
50°	325.5	301.8	278.9	258.7	240.3	226.8	215.2	205.4	197.2	189.9	183.7
52.5°	368.1	338.3	310.1	285.4	263.4	244.0	230.5	219.2	209.7	201.2	199.3
55°	414.4	376.7	343.8	313.0	286.9	264.3	245.0	233.2	227.0	223.2	222.0
57.5°	461.9	418.0	378.0	342.8	311.0	284.7	266.8	254.2	246.8	243.4	242.9
60°	508.2	458.8	413.2	371.7	339.4	312.3	290.3	274.3	265.9	262.1	262.1
62.5°	552.3	496.2	448.7	407.0	369.2	338.1	313.9	295.7	283.8	278.4	279.6
65°	596.9	536.4	485.7	440.0	399.1	364.1	335.9	314.4	301.0	294.9	295.9
67.5°	648.0	580.1	522.5	471.7	426.3	386.8	356.7	333.7	318.5	310.7	310.4
70°	680.0	620.9	558.1	500.6	452.1	410.3	376.5	351.2	334.0	325.4	323.4
72.5°	706.3	649.4	587.7	528.7	475.3	430.3	393.5	367.4	348.0	339.7	337.0
75°	725.9	670.5	611.0	552.8	495.0	447.9	410.4	382.7	363.4	353.4	349.0
77.5°	744.3	686.7	626.8	571.9	515.2	466.7	428.2	398.4	377.6	366.4	361.2
80°	753.5	703.2	644.5	587.6	531.5	481.6	443.4	412.7	390.5	378.7	373.6
82.5°	762.7	717.8	657.9	600.1	543.6	492.9	456.1	425.6	402.3	390.5	386.0
85°	768.7	728.1	666.9	609.2	551.8	501.0	466.6	437.3	413.2	401.9	398.4
87.5°	771.5	736.4	673.5	616.6	557.8	507.4	475.9	448.2	423.5	413.0	410.8
90°	771.2	735.2	672.2	616.7	557.8	510.0	482.3	456.9	432.8	423.9	422.7
92.5°	771.5	736.4	673.5	616.6	557.8	507.4	475.9	448.2	423.5	413.0	410.8
95°	768.7	728.1	666.9	609.2	551.8	501.0	466.6	437.3	413.2	401.9	398.4
97.5°	762.7	717.8	657.9	600.1	543.6	492.9	456.1	425.6	402.3	390.5	386.0
100°	753.5	703.2	644.5	587.6	531.5	481.6	443.4	412.7	390.5	378.7	373.6
102.5°	744.3	686.7	626.8	571.9	515.2	466.7	428.2	398.4	377.6	366.4	361.2
105°	725.9	670.5	611.0	552.8	495.0	447.9	410.4	382.7	363.4	353.4	349.0
107.5°	706.3	649.4	587.7	528.7	475.3	430.3	393.5	367.4	348.0	339.7	337.0
110°	680.0	620.9	558.1	500.6	452.1	410.3	376.5	351.2	334.0	325.4	323.4



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-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°	648.0	580.1	522.5	471.7	426.3	386.8	356.7	333.7	318.5	310.7	310.4
115°	596.9	536.4	485.7	440.0	399.1	364.1	335.9	314.4	301.0	294.9	295.9
117.5°	552.3	496.2	448.7	407.0	369.2	338.1	313.9	295.7	283.8	278.4	279.6
120°	508.2	458.8	413.2	371.7	339.4	312.3	290.3	274.3	265.9	262.1	262.1
122.5°	461.9	418.0	378.0	342.8	311.0	284.7	266.8	254.2	246.8	243.4	242.9
125°	414.4	376.7	343.8	313.0	286.9	264.3	245.0	233.2	227.0	223.2	222.0
127.5°	368.1	338.3	310.1	285.4	263.4	244.0	230.5	219.2	209.7	201.2	199.3
130°	325.5	301.8	278.9	258.7	240.3	226.8	215.2	205.4	197.2	189.9	183.7
132.5°	287.6	267.7	249.6	232.9	220.5	209.5	200.0	192.0	184.7	178.8	172.4
135°	252.0	235.7	222.9	211.3	201.6	192.7	185.4	178.4	172.8	167.1	161.0
137.5°	219.5	209.1	199.2	191.3	183.9	177.1	170.8	165.6	160.4	155.2	149.6
140°	193.7	185.4	178.4	172.5	167.0	161.8	157.1	152.6	148.2	143.3	138.0
142.5°	171.9	165.8	160.0	155.8	151.4	147.3	143.7	140.1	135.7	130.9	126.3
145°	153.0	148.3	144.1	139.9	136.5	133.9	131.0	127.0	122.7	118.5	114.3
147.5°	135.3	131.8	129.2	126.8	124.1	120.6	116.9	113.3	109.6	105.8	102.5
150°	120.0	118.3	116.7	114.1	111.2	107.8	104.1	99.8	96.2	93.4	90.4
152.5°	107.1	105.8	104.0	101.9	99.4	96.5	93.6	90.0	86.4	82.5	78.7
155°	95.8	94.6	93.1	91.1	89.2	87.1	84.6	81.8	78.7	75.4	72.4
157.5°	86.2	85.4	84.4	83.1	81.5	79.2	76.7	74.1	71.4	68.9	66.5
160°	79.7	78.5	76.8	75.0	73.0	70.9	68.8	66.6	64.4	62.2	60.0
162.5°	70.5	69.2	67.6	65.9	64.1	62.3	60.5	58.6	56.7	54.8	52.8
165°	59.7	58.5	57.2	55.9	54.6	53.2	51.7	50.2	48.6	47.0	45.4
167.5°	48.6	47.8	46.9	45.9	44.9	43.9	42.8	41.6	40.4	39.1	37.7
170°	38.1	37.6	37.0	36.3	35.6	34.8	33.9	33.0	32.1	31.1	30.0
172.5°	28.0	27.6	27.2	26.7	26.2	25.6	25.0	24.3	23.6	22.8	22.0
175°	17.8	17.6	17.3	17.0	16.7	16.3	15.9	15.5	15.0	14.5	13.9
177.5°	8.0	8.0	7.9	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.7
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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.5	6.3	6.1	5.9	5.6	5.3	5.1	4.8	4.5	4.2	3.9
5°	13.4	12.8	12.1	11.6	11.2	10.6	10.1	9.6	9.0	8.4	7.8
7.5°	21.2	20.3	19.3	18.3	17.3	16.2	15.1	14.3	13.4	12.5	11.6
10°	28.9	27.7	26.6	25.2	23.8	22.4	20.9	19.4	17.9	16.7	15.5
12.5°	36.3	34.9	33.4	31.8	30.2	28.5	26.7	24.8	22.9	20.9	19.3
15°	43.6	41.9	40.3	38.2	36.3	34.4	32.4	30.2	27.9	25.5	23.1
17.5°	51.1	48.7	46.6	44.4	42.2	40.0	37.8	35.5	32.9	30.1	27.3
20°	57.7	55.4	53.0	50.6	48.0	45.4	42.9	40.4	37.8	34.7	31.5
22.5°	64.1	61.6	59.1	56.5	53.7	50.8	47.8	45.1	42.3	39.2	35.6
25°	69.6	67.2	64.7	61.9	60.2	58.2	56.1	53.9	51.5	49.0	45.7
27.5°	76.4	75.1	74.1	73.0	71.3	69.6	67.5	65.2	62.7	59.9	56.6
30°	88.1	85.9	84.3	83.3	82.1	80.4	78.5	76.3	74.2	70.8	67.6
32.5°	99.4	96.8	94.6	93.1	92.1	90.7	89.0	87.0	84.8	81.8	78.1
35°	110.7	107.3	104.8	102.8	101.6	100.7	99.1	97.5	95.3	92.7	88.8
37.5°	121.7	118.0	114.5	112.5	110.9	110.0	108.9	107.3	105.5	103.5	99.4
40°	133.0	128.2	124.6	121.5	119.9	118.9	118.3	117.0	115.5	113.7	110.0
42.5°	143.9	138.8	134.1	130.7	128.6	127.5	127.2	126.4	125.2	123.7	120.6
45°	154.9	148.9	143.8	139.8	136.7	136.1	135.7	135.5	134.6	133.4	131.2
47.5°	165.6	159.2	153.4	148.6	145.3	145.3	146.7	147.2	146.0	143.9	140.9
50°	176.5	170.4	170.3	170.1	168.9	166.9	165.5	163.2	159.7	155.4	150.5
52.5°	198.9	198.8	200.4	200.2	196.9	190.9	186.1	180.6	174.4	167.6	160.4
55°	223.0	225.1	228.4	231.5	226.7	217.5	208.3	199.3	190.0	180.5	170.9
57.5°	244.9	248.9	254.6	261.1	257.2	246.0	232.0	219.3	206.4	194.0	181.7
60°	264.9	270.7	278.9	288.0	288.4	276.1	257.1	240.3	223.9	208.2	193.0
62.5°	283.9	291.1	301.3	313.4	320.4	307.6	283.8	262.6	242.1	222.9	204.7
65°	301.5	310.1	322.1	337.6	352.7	338.7	312.0	285.8	261.0	238.0	216.6
67.5°	317.6	327.8	341.5	360.5	378.7	369.5	341.1	309.7	280.5	253.4	228.8
70°	332.7	345.0	360.8	380.9	397.8	389.6	358.0	321.7	288.9	259.1	232.5
72.5°	344.0	355.2	369.2	384.4	397.3	391.8	361.8	325.7	292.7	262.1	234.9
75°	352.5	362.9	376.7	389.9	398.5	393.8	364.6	329.1	296.0	265.0	237.0
77.5°	361.6	370.8	384.5	396.9	401.0	395.6	366.4	331.9	299.0	267.6	238.9
80°	371.2	378.9	392.7	405.3	404.6	397.2	367.4	334.2	301.5	269.9	240.6
82.5°	381.3	387.3	401.2	414.6	408.9	398.4	367.6	336.0	303.7	272.0	242.9
85°	391.8	396.0	410.2	424.5	413.6	400.3	368.0	338.1	306.2	274.4	243.7
87.5°	402.4	404.9	419.3	434.8	418.8	399.8	366.2	338.3	307.0	275.4	244.5
90°	413.3	414.5	429.2	444.6	423.3	399.2	364.4	338.4	307.8	276.5	245.3
92.5°	402.4	404.9	419.3	434.8	418.8	399.8	366.2	338.3	307.0	275.4	244.5
95°	391.8	396.0	410.2	424.5	413.6	400.3	368.0	338.1	306.2	274.4	243.7
97.5°	381.3	387.3	401.2	414.6	408.9	398.4	367.6	336.0	303.7	272.0	242.9
100°	371.2	378.9	392.7	405.3	404.6	397.2	367.4	334.2	301.5	269.9	240.6
102.5°	361.6	370.8	384.5	396.9	401.0	395.6	366.4	331.9	299.0	267.6	238.9
105°	352.5	362.9	376.7	389.9	398.5	393.8	364.6	329.1	296.0	265.0	237.0
107.5°	344.0	355.2	369.2	384.4	397.3	391.8	361.8	325.7	292.7	262.1	234.9
110°	332.7	345.0	360.8	380.9	397.8	389.6	358.0	321.7	288.9	259.1	232.5



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	317.6	327.8	341.5	360.5	378.7	369.5	341.1	309.7	280.5	253.4	228.8
115°	301.5	310.1	322.1	337.6	352.7	338.7	312.0	285.8	261.0	238.0	216.6
117.5°	283.9	291.1	301.3	313.4	320.4	307.6	283.8	262.6	242.1	222.9	204.7
120°	264.9	270.7	278.9	288.0	288.4	276.1	257.1	240.3	223.9	208.2	193.0
122.5°	244.9	248.9	254.6	261.1	257.2	246.0	232.0	219.3	206.4	194.0	181.7
125°	223.0	225.1	228.4	231.5	226.7	217.5	208.3	199.3	190.0	180.5	170.9
127.5°	198.9	198.8	200.4	200.2	196.9	190.9	186.1	180.6	174.4	167.6	160.4
130°	176.5	170.4	170.3	170.1	168.9	166.9	165.5	163.2	159.7	155.4	150.5
132.5°	165.6	159.2	153.4	148.6	145.3	145.3	146.7	147.2	146.0	143.9	140.9
135°	154.9	148.9	143.8	139.8	136.7	136.1	135.7	135.5	134.6	133.4	131.2
137.5°	143.9	138.8	134.1	130.7	128.6	127.5	127.2	126.4	125.2	123.7	120.6
140°	133.0	128.2	124.6	121.5	119.9	118.9	118.3	117.0	115.5	113.7	110.0
142.5°	121.7	118.0	114.5	112.5	110.9	110.0	108.9	107.3	105.5	103.5	99.4
145°	110.7	107.3	104.8	102.8	101.6	100.7	99.1	97.5	95.3	92.7	88.8
147.5°	99.4	96.8	94.6	93.1	92.1	90.7	89.0	87.0	84.8	81.8	78.1
150°	88.1	85.9	84.3	83.3	82.1	80.4	78.5	76.3	74.2	70.8	67.6
152.5°	76.4	75.1	74.1	73.0	71.3	69.6	67.5	65.2	62.7	59.9	56.6
155°	69.6	67.2	64.7	61.9	60.2	58.2	56.1	53.9	51.5	49.0	45.7
157.5°	64.1	61.6	59.1	56.5	53.7	50.8	47.8	45.1	42.3	39.2	35.6
160°	57.7	55.4	53.0	50.6	48.0	45.4	42.9	40.4	37.8	34.7	31.5
162.5°	51.1	48.7	46.6	44.4	42.2	40.0	37.8	35.5	32.9	30.1	27.3
165°	43.6	41.9	40.3	38.2	36.3	34.4	32.4	30.2	27.9	25.5	23.1
167.5°	36.3	34.9	33.4	31.8	30.2	28.5	26.7	24.8	22.9	20.9	19.3
170°	28.9	27.7	26.6	25.2	23.8	22.4	20.9	19.4	17.9	16.7	15.5
172.5°	21.2	20.3	19.3	18.3	17.3	16.2	15.1	14.3	13.4	12.5	11.6
175°	13.4	12.8	12.1	11.6	11.2	10.6	10.1	9.6	9.0	8.4	7.8
177.5°	6.5	6.3	6.1	5.9	5.6	5.3	5.1	4.8	4.5	4.2	3.9
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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.6	3.3	3.0	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
5°	7.2	6.5	5.9	5.2	5.2	5.2	5.2	5.1	5.1	5.0	4.9
7.5°	10.7	9.8	8.8	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.3
10°	14.3	13.0	11.8	10.5	10.4	10.4	10.3	10.2	10.0	9.9	9.7
12.5°	17.8	16.2	14.7	13.1	13.0	12.9	12.8	12.6	12.5	12.3	12.0
15°	21.3	19.5	17.6	15.7	15.6	15.5	15.3	15.1	14.9	14.6	14.4
17.5°	24.7	22.6	20.5	18.4	18.2	18.0	17.8	17.5	17.3	17.0	16.7
20°	28.2	25.8	23.4	21.0	20.8	20.5	20.3	20.0	19.6	19.3	19.1
22.5°	32.0	28.9	26.3	23.6	23.4	23.1	22.7	22.4	22.0	21.7	21.5
25°	41.9	38.5	35.5	32.4	31.8	31.0	30.2	29.2	28.1	27.2	26.3
27.5°	52.4	48.2	44.8	41.2	40.2	39.1	37.8	36.3	35.0	33.7	32.3
30°	62.9	58.1	54.1	49.9	48.6	47.1	45.2	43.3	41.6	39.9	38.1
32.5°	73.4	68.1	63.4	58.7	56.9	54.9	52.5	50.1	48.0	45.7	43.5
35°	83.9	78.1	72.8	67.5	65.2	62.6	59.7	56.8	54.0	51.4	48.7
37.5°	94.4	88.1	82.2	76.3	73.4	70.2	66.6	63.2	60.0	56.8	53.5
40°	105.0	98.2	91.6	85.0	81.6	77.8	73.5	69.5	65.6	62.0	58.0
42.5°	115.4	108.2	101.0	93.8	89.8	85.2	80.3	75.6	71.2	67.2	62.2
45°	125.7	118.3	110.4	102.6	97.9	92.6	86.9	81.5	76.6	71.6	66.2
47.5°	134.0	125.7	116.9	108.2	102.1	95.7	89.5	83.8	79.0	73.9	68.3
50°	142.2	133.0	123.5	113.7	106.2	98.6	91.6	85.4	80.3	74.9	68.8
52.5°	150.8	140.4	130.0	119.3	110.2	101.4	93.6	87.1	81.5	75.9	69.8
55°	159.5	147.8	136.6	124.9	114.1	104.1	95.7	88.7	82.7	77.0	71.1
57.5°	168.5	155.2	143.1	130.4	118.0	106.8	97.7	90.4	84.0	78.2	72.7
60°	177.6	162.6	149.7	136.0	121.8	109.4	99.7	92.0	85.4	79.7	74.9
62.5°	186.8	170.0	156.3	141.6	125.6	111.9	101.6	93.6	86.8	81.4	77.0
65°	196.1	177.4	163.0	147.1	129.4	114.4	103.6	95.2	88.4	83.4	79.4
67.5°	205.6	184.8	169.6	152.7	133.1	116.9	105.6	96.8	90.0	85.6	82.1
70°	208.5	187.0	169.9	151.9	132.2	116.0	104.6	95.9	89.4	85.7	82.7
72.5°	210.8	189.1	170.2	151.1	131.3	115.1	103.3	94.7	88.5	85.0	82.1
75°	212.9	191.3	171.2	150.3	130.4	114.2	102.1	93.6	87.6	84.4	81.5
77.5°	214.8	193.4	171.3	149.5	129.6	113.4	101.0	92.5	86.8	83.8	80.9
80°	216.6	196.3	171.3	148.8	128.9	112.6	99.9	91.6	86.0	83.3	80.4
82.5°	218.7	198.1	171.4	148.0	128.1	112.0	98.8	90.7	85.4	82.7	80.0
85°	219.9	199.9	171.5	147.2	127.5	111.3	97.8	89.9	84.8	82.3	79.6
87.5°	221.1	201.6	171.5	146.4	126.8	110.8	96.9	89.1	84.2	81.8	79.3
90°	222.3	203.4	171.6	145.6	126.2	110.3	96.1	88.4	83.7	81.4	79.0
92.5°	221.1	201.6	171.5	146.4	126.8	110.8	96.9	89.1	84.2	81.8	79.3
95°	219.9	199.9	171.5	147.2	127.5	111.3	97.8	89.9	84.8	82.3	79.6
97.5°	218.7	198.1	171.4	148.0	128.1	112.0	98.8	90.7	85.4	82.7	80.0
100°	216.6	196.3	171.3	148.8	128.9	112.6	99.9	91.6	86.0	83.3	80.4
102.5°	214.8	193.4	171.3	149.5	129.6	113.4	101.0	92.5	86.8	83.8	80.9
105°	212.9	191.3	171.2	150.3	130.4	114.2	102.1	93.6	87.6	84.4	81.5
107.5°	210.8	189.1	170.2	151.1	131.3	115.1	103.3	94.7	88.5	85.0	82.1
110°	208.5	187.0	169.9	151.9	132.2	116.0	104.6	95.9	89.4	85.7	82.7



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-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°	205.6	184.8	169.6	152.7	133.1	116.9	105.6	96.8	90.0	85.6	82.1
115°	196.1	177.4	163.0	147.1	129.4	114.4	103.6	95.2	88.4	83.4	79.4
117.5°	186.8	170.0	156.3	141.6	125.6	111.9	101.6	93.6	86.8	81.4	77.0
120°	177.6	162.6	149.7	136.0	121.8	109.4	99.7	92.0	85.4	79.7	74.9
122.5°	168.5	155.2	143.1	130.4	118.0	106.8	97.7	90.4	84.0	78.2	72.7
125°	159.5	147.8	136.6	124.9	114.1	104.1	95.7	88.7	82.7	77.0	71.1
127.5°	150.8	140.4	130.0	119.3	110.2	101.4	93.6	87.1	81.5	75.9	69.8
130°	142.2	133.0	123.5	113.7	106.2	98.6	91.6	85.4	80.3	74.9	68.8
132.5°	134.0	125.7	116.9	108.2	102.1	95.7	89.5	83.8	79.0	73.9	68.3
135°	125.7	118.3	110.4	102.6	97.9	92.6	86.9	81.5	76.6	71.6	66.2
137.5°	115.4	108.2	101.0	93.8	89.8	85.2	80.3	75.6	71.2	67.2	62.2
140°	105.0	98.2	91.6	85.0	81.6	77.8	73.5	69.5	65.6	62.0	58.0
142.5°	94.4	88.1	82.2	76.3	73.4	70.2	66.6	63.2	60.0	56.8	53.5
145°	83.9	78.1	72.8	67.5	65.2	62.6	59.7	56.8	54.0	51.4	48.7
147.5°	73.4	68.1	63.4	58.7	56.9	54.9	52.5	50.1	48.0	45.7	43.5
150°	62.9	58.1	54.1	49.9	48.6	47.1	45.2	43.3	41.6	39.9	38.1
152.5°	52.4	48.2	44.8	41.2	40.2	39.1	37.8	36.3	35.0	33.7	32.3
155°	41.9	38.5	35.5	32.4	31.8	31.0	30.2	29.2	28.1	27.2	26.3
157.5°	32.0	28.9	26.3	23.6	23.4	23.1	22.7	22.4	22.0	21.7	21.5
160°	28.2	25.8	23.4	21.0	20.8	20.5	20.3	20.0	19.6	19.3	19.1
162.5°	24.7	22.6	20.5	18.4	18.2	18.0	17.8	17.5	17.3	17.0	16.7
165°	21.3	19.5	17.6	15.7	15.6	15.5	15.3	15.1	14.9	14.6	14.4
167.5°	17.8	16.2	14.7	13.1	13.0	12.9	12.8	12.6	12.5	12.3	12.0
170°	14.3	13.0	11.8	10.5	10.4	10.4	10.3	10.2	10.0	9.9	9.7
172.5°	10.7	9.8	8.8	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.3
175°	7.2	6.5	5.9	5.2	5.2	5.2	5.2	5.1	5.1	5.0	4.9
177.5°	3.6	3.3	3.0	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.4	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8
5°	4.8	4.8	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.6
7.5°	7.2	7.1	6.9	6.7	6.6	6.4	6.2	6.0	5.7	5.5	5.3
10°	9.5	9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.7	7.4	7.1
12.5°	11.8	11.6	11.3	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.7
15°	14.1	13.8	13.6	13.3	13.0	12.6	12.2	11.7	11.3	10.8	10.3
17.5°	16.4	16.2	15.9	15.5	15.0	14.5	14.0	13.5	13.0	12.4	11.9
20°	18.8	18.5	18.0	17.5	17.0	16.4	15.9	15.3	14.7	14.2	13.6
22.5°	21.2	20.6	20.1	19.5	18.9	18.3	17.7	17.1	16.6	16.0	15.3
25°	25.2	23.9	22.7	21.5	20.8	20.2	19.7	19.1	18.4	17.6	16.7
27.5°	30.8	29.3	27.7	26.1	24.7	23.3	22.1	20.8	20.0	19.1	18.2
30°	36.2	34.2	32.2	30.2	28.4	26.6	24.9	23.4	22.0	20.7	19.6
32.5°	41.2	38.7	36.2	33.6	31.3	29.1	27.2	25.4	23.8	22.5	21.2
35°	45.7	42.7	39.4	36.4	33.6	31.1	28.9	27.0	25.4	23.8	22.2
37.5°	49.9	46.0	42.1	38.6	35.4	32.7	30.3	28.4	26.5	24.7	23.1
40°	53.7	48.8	44.4	40.4	37.0	33.9	31.6	29.5	27.4	25.7	24.3
42.5°	56.8	51.1	46.3	41.9	38.1	35.2	32.7	30.3	28.4	26.9	25.4
45°	59.5	53.2	47.8	43.1	39.3	36.4	33.6	31.3	29.7	28.1	26.5
47.5°	61.3	55.0	49.2	44.0	40.5	37.3	34.4	32.7	30.9	29.1	27.6
50°	62.2	56.3	50.7	45.8	42.0	38.3	35.8	33.9	32.0	30.4	28.8
52.5°	63.7	57.9	52.4	48.2	44.4	41.0	38.7	36.0	33.2	31.6	29.7
55°	65.4	59.9	54.6	50.6	47.1	44.5	42.3	39.6	36.5	33.5	30.7
57.5°	67.5	62.1	57.2	53.3	49.9	48.4	46.1	43.0	39.3	35.8	32.6
60°	69.8	64.4	59.9	56.3	53.7	52.5	50.2	45.9	41.6	37.6	34.0
62.5°	72.4	66.9	62.8	59.5	57.9	56.6	53.5	48.4	43.5	39.2	35.2
65°	75.0	69.7	65.8	62.8	62.3	60.8	56.4	50.6	45.3	40.4	36.1
67.5°	77.7	72.8	69.1	66.6	66.9	65.2	59.0	52.6	46.8	41.6	36.9
70°	78.7	74.7	71.8	70.7	71.3	68.9	61.4	54.4	48.2	42.6	37.6
72.5°	78.2	74.6	71.8	71.0	71.5	68.9	62.5	55.9	49.5	43.5	38.2
75°	77.8	74.6	71.8	71.2	71.1	68.1	62.8	56.7	50.2	44.3	38.9
77.5°	77.5	74.7	71.9	71.2	70.7	67.9	63.7	57.6	51.1	45.3	39.8
80°	77.4	75.0	71.9	71.1	70.4	68.2	65.0	58.7	52.2	46.5	40.8
82.5°	77.4	75.3	72.0	70.9	70.0	68.8	66.7	60.1	53.6	48.0	42.0
85°	77.5	75.7	72.1	70.7	69.6	69.7	68.7	61.6	55.2	49.7	43.3
87.5°	77.6	76.1	72.3	70.4	69.3	70.8	70.9	63.4	57.0	51.6	44.8
90°	77.8	76.6	72.5	70.2	69.0	71.9	73.1	65.4	59.0	53.7	46.6
92.5°	77.6	76.1	72.3	70.4	69.3	70.8	70.9	63.4	57.0	51.6	44.8
95°	77.5	75.7	72.1	70.7	69.6	69.7	68.7	61.6	55.2	49.7	43.3
97.5°	77.4	75.3	72.0	70.9	70.0	68.8	66.7	60.1	53.6	48.0	42.0
100°	77.4	75.0	71.9	71.1	70.4	68.2	65.0	58.7	52.2	46.5	40.8
102.5°	77.5	74.7	71.9	71.2	70.7	67.9	63.7	57.6	51.1	45.3	39.8
105°	77.8	74.6	71.8	71.2	71.1	68.1	62.8	56.7	50.2	44.3	38.9
107.5°	78.2	74.6	71.8	71.0	71.5	68.9	62.5	55.9	49.5	43.5	38.2
110°	78.7	74.7	71.8	70.7	71.3	68.9	61.4	54.4	48.2	42.6	37.6



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	77.7	72.8	69.1	66.6	66.9	65.2	59.0	52.6	46.8	41.6	36.9
115°	75.0	69.7	65.8	62.8	62.3	60.8	56.4	50.6	45.3	40.4	36.1
117.5°	72.4	66.9	62.8	59.5	57.9	56.6	53.5	48.4	43.5	39.2	35.2
120°	69.8	64.4	59.9	56.3	53.7	52.5	50.2	45.9	41.6	37.6	34.0
122.5°	67.5	62.1	57.2	53.3	49.9	48.4	46.1	43.0	39.3	35.8	32.6
125°	65.4	59.9	54.6	50.6	47.1	44.5	42.3	39.6	36.5	33.5	30.7
127.5°	63.7	57.9	52.4	48.2	44.4	41.0	38.7	36.0	33.2	31.6	29.7
130°	62.2	56.3	50.7	45.8	42.0	38.3	35.8	33.9	32.0	30.4	28.8
132.5°	61.3	55.0	49.2	44.0	40.5	37.3	34.4	32.7	30.9	29.1	27.6
135°	59.5	53.2	47.8	43.1	39.3	36.4	33.6	31.3	29.7	28.1	26.5
137.5°	56.8	51.1	46.3	41.9	38.1	35.2	32.7	30.3	28.4	26.9	25.4
140°	53.7	48.8	44.4	40.4	37.0	33.9	31.6	29.5	27.4	25.7	24.3
142.5°	49.9	46.0	42.1	38.6	35.4	32.7	30.3	28.4	26.5	24.7	23.1
145°	45.7	42.7	39.4	36.4	33.6	31.1	28.9	27.0	25.4	23.8	22.2
147.5°	41.2	38.7	36.2	33.6	31.3	29.1	27.2	25.4	23.8	22.5	21.2
150°	36.2	34.2	32.2	30.2	28.4	26.6	24.9	23.4	22.0	20.7	19.6
152.5°	30.8	29.3	27.7	26.1	24.7	23.3	22.1	20.8	20.0	19.1	18.2
155°	25.2	23.9	22.7	21.5	20.8	20.2	19.7	19.1	18.4	17.6	16.7
157.5°	21.2	20.6	20.1	19.5	18.9	18.3	17.7	17.1	16.6	16.0	15.3
160°	18.8	18.5	18.0	17.5	17.0	16.4	15.9	15.3	14.7	14.2	13.6
162.5°	16.4	16.2	15.9	15.5	15.0	14.5	14.0	13.5	13.0	12.4	11.9
165°	14.1	13.8	13.6	13.3	13.0	12.6	12.2	11.7	11.3	10.8	10.3
167.5°	11.8	11.6	11.3	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.7
170°	9.5	9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.7	7.4	7.1
172.5°	7.2	7.1	6.9	6.7	6.6	6.4	6.2	6.0	5.7	5.5	5.3
175°	4.8	4.8	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.6
177.5°	2.4	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.7	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
5°	3.4	3.2	3.1	2.9	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	3.7	3.5	3.2	2.9	2.6	2.3
10°	6.8	6.4	6.1	5.7	5.3	5.0	4.6	4.2	3.8	3.4	3.0
12.5°	8.3	7.9	7.5	7.0	6.5	6.1	5.6	5.1	4.6	4.1	3.6
15°	9.8	9.3	8.8	8.3	7.7	7.2	6.6	6.1	5.5	4.9	4.3
17.5°	11.3	10.8	10.2	9.7	9.1	8.4	7.8	7.1	6.4	5.7	5.0
20°	13.0	12.4	11.7	11.0	10.2	9.5	8.7	8.0	7.2	6.4	5.6
22.5°	14.5	13.7	12.9	12.1	11.3	10.5	9.6	8.8	7.9	7.1	6.2
25°	15.9	15.0	14.2	13.3	12.4	11.5	10.6	9.7	8.7	7.7	6.7
27.5°	17.2	16.3	15.4	14.4	13.4	12.3	11.2	10.2	9.1	8.1	7.1
30°	18.6	17.6	16.4	15.2	14.0	13.0	11.9	10.9	9.8	8.7	7.6
32.5°	19.8	18.4	17.2	16.1	15.0	13.9	12.7	11.6	10.4	9.3	8.1
35°	20.7	19.5	18.3	17.1	15.9	14.7	13.5	12.3	11.1	9.8	8.6
37.5°	21.8	20.6	19.3	18.0	16.8	15.5	14.2	12.8	11.4	10.0	8.8
40°	22.9	21.6	20.3	19.0	17.6	16.0	14.5	13.1	11.8	10.5	9.2
42.5°	23.9	22.6	21.2	19.6	18.0	16.5	15.1	13.7	12.2	10.7	9.3
45°	25.0	23.6	21.8	20.2	18.7	17.1	15.5	13.9	12.5	11.1	9.7
47.5°	26.1	24.3	22.5	20.9	19.2	17.4	15.9	14.4	13.0	11.6	10.2
50°	26.9	25.0	23.2	21.4	19.6	17.9	16.4	14.9	13.5	12.0	10.5
52.5°	27.7	25.8	23.8	21.9	20.1	18.5	17.0	15.4	13.9	12.4	10.9
55°	28.5	26.4	24.4	22.5	20.8	19.2	17.5	15.9	14.2	12.6	10.9
57.5°	29.7	27.1	25.0	23.2	21.5	19.8	18.0	16.2	14.4	12.6	10.7
60°	30.8	28.1	25.8	24.0	22.2	20.3	18.3	16.5	14.5	12.5	10.7
62.5°	31.7	28.7	26.4	24.5	22.6	20.6	18.8	16.7	14.6	12.5	10.7
65°	32.4	29.3	26.8	24.6	22.4	20.8	19.2	16.9	14.5	12.3	10.2
67.5°	32.9	29.6	27.0	24.4	22.2	20.3	18.6	16.6	14.2	11.8	9.6
70°	33.4	29.9	27.0	24.2	21.8	19.7	17.5	15.4	13.5	11.2	8.9
72.5°	33.6	30.2	26.9	23.9	21.3	18.9	16.5	14.4	12.3	10.3	8.3
75°	34.1	30.3	26.8	23.5	20.7	18.1	15.7	13.5	11.4	9.2	7.6
77.5°	34.9	30.7	26.7	23.1	20.1	17.4	15.1	12.8	10.6	8.7	6.9
80°	35.7	31.0	26.7	22.9	19.6	16.7	14.4	12.3	10.1	8.2	6.0
82.5°	36.6	31.4	26.8	22.7	19.0	15.9	13.4	11.3	9.5	7.4	4.9
85°	37.5	31.9	27.1	22.6	18.6	15.2	12.5	10.4	8.7	6.7	4.4
87.5°	38.7	32.6	27.6	22.7	18.3	14.6	11.8	9.8	8.1	6.4	4.4
90°	40.1	33.6	28.3	23.0	18.3	14.2	11.2	9.4	7.7	6.5	4.7
92.5°	38.7	32.6	27.6	22.7	18.3	14.6	11.8	9.8	8.1	6.4	4.4
95°	37.5	31.9	27.1	22.6	18.6	15.2	12.5	10.4	8.7	6.7	4.4
97.5°	36.6	31.4	26.8	22.7	19.0	15.9	13.4	11.3	9.5	7.4	4.9
100°	35.7	31.0	26.7	22.9	19.6	16.7	14.4	12.3	10.1	8.2	6.0
102.5°	34.9	30.7	26.7	23.1	20.1	17.4	15.1	12.8	10.6	8.7	6.9
105°	34.1	30.3	26.8	23.5	20.7	18.1	15.7	13.5	11.4	9.2	7.6
107.5°	33.6	30.2	26.9	23.9	21.3	18.9	16.5	14.4	12.3	10.3	8.3
110°	33.4	29.9	27.0	24.2	21.8	19.7	17.5	15.4	13.5	11.2	8.9



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-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°	32.9	29.6	27.0	24.4	22.2	20.3	18.6	16.6	14.2	11.8	9.6
115°	32.4	29.3	26.8	24.6	22.4	20.8	19.2	16.9	14.5	12.3	10.2
117.5°	31.7	28.7	26.4	24.5	22.6	20.6	18.8	16.7	14.6	12.5	10.7
120°	30.8	28.1	25.8	24.0	22.2	20.3	18.3	16.5	14.5	12.5	10.7
122.5°	29.7	27.1	25.0	23.2	21.5	19.8	18.0	16.2	14.4	12.6	10.7
125°	28.5	26.4	24.4	22.5	20.8	19.2	17.5	15.9	14.2	12.6	10.9
127.5°	27.7	25.8	23.8	21.9	20.1	18.5	17.0	15.4	13.9	12.4	10.9
130°	26.9	25.0	23.2	21.4	19.6	17.9	16.4	14.9	13.5	12.0	10.5
132.5°	26.1	24.3	22.5	20.9	19.2	17.4	15.9	14.4	13.0	11.6	10.2
135°	25.0	23.6	21.8	20.2	18.7	17.1	15.5	13.9	12.5	11.1	9.7
137.5°	23.9	22.6	21.2	19.6	18.0	16.5	15.1	13.7	12.2	10.7	9.3
140°	22.9	21.6	20.3	19.0	17.6	16.0	14.5	13.1	11.8	10.5	9.2
142.5°	21.8	20.6	19.3	18.0	16.8	15.5	14.2	12.8	11.4	10.0	8.8
145°	20.7	19.5	18.3	17.1	15.9	14.7	13.5	12.3	11.1	9.8	8.6
147.5°	19.8	18.4	17.2	16.1	15.0	13.9	12.7	11.6	10.4	9.3	8.1
150°	18.6	17.6	16.4	15.2	14.0	13.0	11.9	10.9	9.8	8.7	7.6
152.5°	17.2	16.3	15.4	14.4	13.4	12.3	11.2	10.2	9.1	8.1	7.1
155°	15.9	15.0	14.2	13.3	12.4	11.5	10.6	9.7	8.7	7.7	6.7
157.5°	14.5	13.7	12.9	12.1	11.3	10.5	9.6	8.8	7.9	7.1	6.2
160°	13.0	12.4	11.7	11.0	10.2	9.5	8.7	8.0	7.2	6.4	5.6
162.5°	11.3	10.8	10.2	9.7	9.1	8.4	7.8	7.1	6.4	5.7	5.0
165°	9.8	9.3	8.8	8.3	7.7	7.2	6.6	6.1	5.5	4.9	4.3
167.5°	8.3	7.9	7.5	7.0	6.5	6.1	5.6	5.1	4.6	4.1	3.6
170°	6.8	6.4	6.1	5.7	5.3	5.0	4.6	4.2	3.8	3.4	3.0
172.5°	5.1	4.8	4.6	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.3
175°	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5
177.5°	1.7	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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.7	0.6	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°	1.9	1.6	1.3	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.3
10°	2.5	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
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°	3.7	3.1	2.5	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.5
17.5°	4.3	3.6	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
20°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
22.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
25°	5.7	4.8	3.8	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.8
27.5°	6.1	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
30°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
32.5°	7.0	5.8	4.7	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.7
35°	7.3	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
37.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
40°	7.8	6.4	5.1	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.1
42.5°	8.0	6.6	5.3	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.3
45°	8.3	7.0	5.7	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.7
47.5°	8.8	7.4	6.0	4.7	3.3	2.0	0.6	2.0	3.3	4.7	6.0
50°	9.1	7.7	6.2	4.8	3.4	2.0	0.6	2.0	3.4	4.8	6.2
52.5°	9.4	7.8	6.2	4.8	3.3	2.0	0.6	2.0	3.3	4.8	6.2
55°	9.2	7.6	6.0	4.6	3.2	1.9	0.6	1.9	3.2	4.6	6.0
57.5°	8.9	7.4	6.0	4.6	3.3	1.9	0.6	1.9	3.3	4.6	6.0
60°	9.0	7.5	6.0	4.5	3.1	1.9	0.6	1.9	3.1	4.5	6.0
62.5°	8.8	7.1	5.6	4.2	2.9	1.7	0.6	1.7	2.9	4.2	5.6
65°	8.3	6.6	5.1	3.8	2.6	1.6	0.6	1.6	2.6	3.8	5.1
67.5°	7.7	6.0	4.5	3.3	2.3	1.4	0.6	1.4	2.3	3.3	4.5
70°	6.9	5.3	3.9	2.7	1.8	1.2	0.6	1.2	1.8	2.7	3.9
72.5°	6.4	4.9	3.4	2.2	1.5	1.0	0.6	1.0	1.5	2.2	3.4
75°	6.3	4.6	3.1	1.9	1.2	0.9	0.6	0.9	1.2	1.9	3.1
77.5°	5.5	4.1	2.6	1.3	0.4	0.1	0.0	0.1	0.4	1.3	2.6
80°	4.2	2.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
82.5°	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.2	2.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
102.5°	5.5	4.1	2.6	1.3	0.4	0.1	0.0	0.1	0.4	1.3	2.6
105°	6.3	4.6	3.1	1.9	1.2	0.9	0.6	0.9	1.2	1.9	3.1
107.5°	6.4	4.9	3.4	2.2	1.5	1.0	0.6	1.0	1.5	2.2	3.4
110°	6.9	5.3	3.9	2.7	1.8	1.2	0.6	1.2	1.8	2.7	3.9



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-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	6.0	4.5	3.3	2.3	1.4	0.6	1.4	2.3	3.3	4.5
115°	8.3	6.6	5.1	3.8	2.6	1.6	0.6	1.6	2.6	3.8	5.1
117.5°	8.8	7.1	5.6	4.2	2.9	1.7	0.6	1.7	2.9	4.2	5.6
120°	9.0	7.5	6.0	4.5	3.1	1.9	0.6	1.9	3.1	4.5	6.0
122.5°	8.9	7.4	6.0	4.6	3.3	1.9	0.6	1.9	3.3	4.6	6.0
125°	9.2	7.6	6.0	4.6	3.2	1.9	0.6	1.9	3.2	4.6	6.0
127.5°	9.4	7.8	6.2	4.8	3.3	2.0	0.6	2.0	3.3	4.8	6.2
130°	9.1	7.7	6.2	4.8	3.4	2.0	0.6	2.0	3.4	4.8	6.2
132.5°	8.8	7.4	6.0	4.7	3.3	2.0	0.6	2.0	3.3	4.7	6.0
135°	8.3	7.0	5.7	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.7
137.5°	8.0	6.6	5.3	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.3
140°	7.8	6.4	5.1	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.1
142.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
145°	7.3	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
147.5°	7.0	5.8	4.7	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.7
150°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
152.5°	6.1	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
155°	5.7	4.8	3.8	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.8
157.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
160°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
162.5°	4.3	3.6	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
165°	3.7	3.1	2.5	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.5
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°	2.5	2.1	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
172.5°	1.9	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°	0.7	0.6	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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.6	0.7	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	2.9	3.1
7.5°	1.6	1.9	2.3	2.6	2.9	3.2	3.5	3.7	4.0	4.3	4.6
10°	2.1	2.5	3.0	3.4	3.8	4.2	4.6	5.0	5.3	5.7	6.1
12.5°	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.5	7.0	7.5
15°	3.1	3.7	4.3	4.9	5.5	6.1	6.6	7.2	7.7	8.3	8.8
17.5°	3.6	4.3	5.0	5.7	6.4	7.1	7.8	8.4	9.1	9.7	10.2
20°	4.0	4.8	5.6	6.4	7.2	8.0	8.7	9.5	10.2	11.0	11.7
22.5°	4.5	5.3	6.2	7.1	7.9	8.8	9.6	10.5	11.3	12.1	12.9
25°	4.8	5.7	6.7	7.7	8.7	9.7	10.6	11.5	12.4	13.3	14.2
27.5°	5.1	6.1	7.1	8.1	9.1	10.2	11.2	12.3	13.4	14.4	15.4
30°	5.5	6.6	7.6	8.7	9.8	10.9	11.9	13.0	14.0	15.2	16.4
32.5°	5.8	7.0	8.1	9.3	10.4	11.6	12.7	13.9	15.0	16.1	17.2
35°	6.0	7.3	8.6	9.8	11.1	12.3	13.5	14.7	15.9	17.1	18.3
37.5°	6.3	7.5	8.8	10.0	11.4	12.8	14.2	15.5	16.8	18.0	19.3
40°	6.4	7.8	9.2	10.5	11.8	13.1	14.5	16.0	17.6	19.0	20.3
42.5°	6.6	8.0	9.3	10.7	12.2	13.7	15.1	16.5	18.0	19.6	21.2
45°	7.0	8.3	9.7	11.1	12.5	13.9	15.5	17.1	18.7	20.2	21.8
47.5°	7.4	8.8	10.2	11.6	13.0	14.4	15.9	17.4	19.2	20.9	22.5
50°	7.7	9.1	10.5	12.0	13.5	14.9	16.4	17.9	19.6	21.4	23.2
52.5°	7.8	9.4	10.9	12.4	13.9	15.4	17.0	18.5	20.1	21.9	23.8
55°	7.6	9.2	10.9	12.6	14.2	15.9	17.5	19.2	20.8	22.5	24.4
57.5°	7.4	8.9	10.7	12.6	14.4	16.2	18.0	19.8	21.5	23.2	25.0
60°	7.5	9.0	10.7	12.5	14.5	16.5	18.3	20.3	22.2	24.0	25.8
62.5°	7.1	8.8	10.7	12.5	14.6	16.7	18.8	20.6	22.6	24.5	26.4
65°	6.6	8.3	10.2	12.3	14.5	16.9	19.2	20.8	22.4	24.6	26.8
67.5°	6.0	7.7	9.6	11.8	14.2	16.6	18.6	20.3	22.2	24.4	27.0
70°	5.3	6.9	8.9	11.2	13.5	15.4	17.5	19.7	21.8	24.2	27.0
72.5°	4.9	6.4	8.3	10.3	12.3	14.4	16.5	18.9	21.3	23.9	26.9
75°	4.6	6.3	7.6	9.2	11.4	13.5	15.7	18.1	20.7	23.5	26.8
77.5°	4.1	5.5	6.9	8.7	10.6	12.8	15.1	17.4	20.1	23.1	26.7
80°	2.8	4.2	6.0	8.2	10.1	12.3	14.4	16.7	19.6	22.9	26.7
82.5°	1.4	2.9	4.9	7.4	9.5	11.3	13.4	15.9	19.0	22.7	26.8
85°	0.5	2.1	4.4	6.7	8.7	10.4	12.5	15.2	18.6	22.6	27.1
87.5°	0.2	2.1	4.4	6.4	8.1	9.8	11.8	14.6	18.3	22.7	27.6
90°	0.0	2.4	4.7	6.5	7.7	9.4	11.2	14.2	18.3	23.0	28.3
92.5°	0.2	2.1	4.4	6.4	8.1	9.8	11.8	14.6	18.3	22.7	27.6
95°	0.5	2.1	4.4	6.7	8.7	10.4	12.5	15.2	18.6	22.6	27.1
97.5°	1.4	2.9	4.9	7.4	9.5	11.3	13.4	15.9	19.0	22.7	26.8
100°	2.8	4.2	6.0	8.2	10.1	12.3	14.4	16.7	19.6	22.9	26.7
102.5°	4.1	5.5	6.9	8.7	10.6	12.8	15.1	17.4	20.1	23.1	26.7
105°	4.6	6.3	7.6	9.2	11.4	13.5	15.7	18.1	20.7	23.5	26.8
107.5°	4.9	6.4	8.3	10.3	12.3	14.4	16.5	18.9	21.3	23.9	26.9
110°	5.3	6.9	8.9	11.2	13.5	15.4	17.5	19.7	21.8	24.2	27.0



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-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°	6.0	7.7	9.6	11.8	14.2	16.6	18.6	20.3	22.2	24.4	27.0
115°	6.6	8.3	10.2	12.3	14.5	16.9	19.2	20.8	22.4	24.6	26.8
117.5°	7.1	8.8	10.7	12.5	14.6	16.7	18.8	20.6	22.6	24.5	26.4
120°	7.5	9.0	10.7	12.5	14.5	16.5	18.3	20.3	22.2	24.0	25.8
122.5°	7.4	8.9	10.7	12.6	14.4	16.2	18.0	19.8	21.5	23.2	25.0
125°	7.6	9.2	10.9	12.6	14.2	15.9	17.5	19.2	20.8	22.5	24.4
127.5°	7.8	9.4	10.9	12.4	13.9	15.4	17.0	18.5	20.1	21.9	23.8
130°	7.7	9.1	10.5	12.0	13.5	14.9	16.4	17.9	19.6	21.4	23.2
132.5°	7.4	8.8	10.2	11.6	13.0	14.4	15.9	17.4	19.2	20.9	22.5
135°	7.0	8.3	9.7	11.1	12.5	13.9	15.5	17.1	18.7	20.2	21.8
137.5°	6.6	8.0	9.3	10.7	12.2	13.7	15.1	16.5	18.0	19.6	21.2
140°	6.4	7.8	9.2	10.5	11.8	13.1	14.5	16.0	17.6	19.0	20.3
142.5°	6.3	7.5	8.8	10.0	11.4	12.8	14.2	15.5	16.8	18.0	19.3
145°	6.0	7.3	8.6	9.8	11.1	12.3	13.5	14.7	15.9	17.1	18.3
147.5°	5.8	7.0	8.1	9.3	10.4	11.6	12.7	13.9	15.0	16.1	17.2
150°	5.5	6.6	7.6	8.7	9.8	10.9	11.9	13.0	14.0	15.2	16.4
152.5°	5.1	6.1	7.1	8.1	9.1	10.2	11.2	12.3	13.4	14.4	15.4
155°	4.8	5.7	6.7	7.7	8.7	9.7	10.6	11.5	12.4	13.3	14.2
157.5°	4.5	5.3	6.2	7.1	7.9	8.8	9.6	10.5	11.3	12.1	12.9
160°	4.0	4.8	5.6	6.4	7.2	8.0	8.7	9.5	10.2	11.0	11.7
162.5°	3.6	4.3	5.0	5.7	6.4	7.1	7.8	8.4	9.1	9.7	10.2
165°	3.1	3.7	4.3	4.9	5.5	6.1	6.6	7.2	7.7	8.3	8.8
167.5°	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.5	7.0	7.5
170°	2.1	2.5	3.0	3.4	3.8	4.2	4.6	5.0	5.3	5.7	6.1
172.5°	1.6	1.9	2.3	2.6	2.9	3.2	3.5	3.7	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	2.9	3.1
177.5°	0.6	0.7	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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.7	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4
5°	3.2	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.5	4.7
7.5°	4.8	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.6	6.7	6.9
10°	6.4	6.8	7.1	7.4	7.7	7.9	8.2	8.4	8.6	8.9	9.1
12.5°	7.9	8.3	8.7	9.2	9.5	9.9	10.2	10.5	10.8	11.1	11.3
15°	9.3	9.8	10.3	10.8	11.3	11.7	12.2	12.6	13.0	13.3	13.6
17.5°	10.8	11.3	11.9	12.4	13.0	13.5	14.0	14.5	15.0	15.5	15.9
20°	12.4	13.0	13.6	14.2	14.7	15.3	15.9	16.4	17.0	17.5	18.0
22.5°	13.7	14.5	15.3	16.0	16.6	17.1	17.7	18.3	18.9	19.5	20.1
25°	15.0	15.9	16.7	17.6	18.4	19.1	19.7	20.2	20.8	21.5	22.7
27.5°	16.3	17.2	18.2	19.1	20.0	20.8	22.1	23.3	24.7	26.1	27.7
30°	17.6	18.6	19.6	20.7	22.0	23.4	24.9	26.6	28.4	30.2	32.2
32.5°	18.4	19.8	21.2	22.5	23.8	25.4	27.2	29.1	31.3	33.6	36.2
35°	19.5	20.7	22.2	23.8	25.4	27.0	28.9	31.1	33.6	36.4	39.4
37.5°	20.6	21.8	23.1	24.7	26.5	28.4	30.3	32.7	35.4	38.6	42.1
40°	21.6	22.9	24.3	25.7	27.4	29.5	31.6	33.9	37.0	40.4	44.4
42.5°	22.6	23.9	25.4	26.9	28.4	30.3	32.7	35.2	38.1	41.9	46.3
45°	23.6	25.0	26.5	28.1	29.7	31.3	33.6	36.4	39.3	43.1	47.8
47.5°	24.3	26.1	27.6	29.1	30.9	32.7	34.4	37.3	40.5	44.0	49.2
50°	25.0	26.9	28.8	30.4	32.0	33.9	35.8	38.3	42.0	45.8	50.7
52.5°	25.8	27.7	29.7	31.6	33.2	36.0	38.7	41.0	44.4	48.2	52.4
55°	26.4	28.5	30.7	33.5	36.5	39.6	42.3	44.5	47.1	50.6	54.6
57.5°	27.1	29.7	32.6	35.8	39.3	43.0	46.1	48.4	49.9	53.3	57.2
60°	28.1	30.8	34.0	37.6	41.6	45.9	50.2	52.5	53.7	56.3	59.9
62.5°	28.7	31.7	35.2	39.2	43.5	48.4	53.5	56.6	57.9	59.5	62.8
65°	29.3	32.4	36.1	40.4	45.3	50.6	56.4	60.8	62.3	62.8	65.8
67.5°	29.6	32.9	36.9	41.6	46.8	52.6	59.0	65.2	66.9	66.6	69.1
70°	29.9	33.4	37.6	42.6	48.2	54.4	61.4	68.9	71.3	70.7	71.8
72.5°	30.2	33.6	38.2	43.5	49.5	55.9	62.5	68.9	71.5	71.0	71.8
75°	30.3	34.1	38.9	44.3	50.2	56.7	62.8	68.1	71.1	71.2	71.8
77.5°	30.7	34.9	39.8	45.3	51.1	57.6	63.7	67.9	70.7	71.2	71.9
80°	31.0	35.7	40.8	46.5	52.2	58.7	65.0	68.2	70.4	71.1	71.9
82.5°	31.4	36.6	42.0	48.0	53.6	60.1	66.7	68.8	70.0	70.9	72.0
85°	31.9	37.5	43.3	49.7	55.2	61.6	68.7	69.7	69.6	70.7	72.1
87.5°	32.6	38.7	44.8	51.6	57.0	63.4	70.9	70.8	69.3	70.4	72.3
90°	33.6	40.1	46.6	53.7	59.0	65.4	73.1	71.9	69.0	70.2	72.5
92.5°	32.6	38.7	44.8	51.6	57.0	63.4	70.9	70.8	69.3	70.4	72.3
95°	31.9	37.5	43.3	49.7	55.2	61.6	68.7	69.7	69.6	70.7	72.1
97.5°	31.4	36.6	42.0	48.0	53.6	60.1	66.7	68.8	70.0	70.9	72.0
100°	31.0	35.7	40.8	46.5	52.2	58.7	65.0	68.2	70.4	71.1	71.9
102.5°	30.7	34.9	39.8	45.3	51.1	57.6	63.7	67.9	70.7	71.2	71.9
105°	30.3	34.1	38.9	44.3	50.2	56.7	62.8	68.1	71.1	71.2	71.8
107.5°	30.2	33.6	38.2	43.5	49.5	55.9	62.5	68.9	71.5	71.0	71.8
110°	29.9	33.4	37.6	42.6	48.2	54.4	61.4	68.9	71.3	70.7	71.8



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	29.6	32.9	36.9	41.6	46.8	52.6	59.0	65.2	66.9	66.6	69.1
115°	29.3	32.4	36.1	40.4	45.3	50.6	56.4	60.8	62.3	62.8	65.8
117.5°	28.7	31.7	35.2	39.2	43.5	48.4	53.5	56.6	57.9	59.5	62.8
120°	28.1	30.8	34.0	37.6	41.6	45.9	50.2	52.5	53.7	56.3	59.9
122.5°	27.1	29.7	32.6	35.8	39.3	43.0	46.1	48.4	49.9	53.3	57.2
125°	26.4	28.5	30.7	33.5	36.5	39.6	42.3	44.5	47.1	50.6	54.6
127.5°	25.8	27.7	29.7	31.6	33.2	36.0	38.7	41.0	44.4	48.2	52.4
130°	25.0	26.9	28.8	30.4	32.0	33.9	35.8	38.3	42.0	45.8	50.7
132.5°	24.3	26.1	27.6	29.1	30.9	32.7	34.4	37.3	40.5	44.0	49.2
135°	23.6	25.0	26.5	28.1	29.7	31.3	33.6	36.4	39.3	43.1	47.8
137.5°	22.6	23.9	25.4	26.9	28.4	30.3	32.7	35.2	38.1	41.9	46.3
140°	21.6	22.9	24.3	25.7	27.4	29.5	31.6	33.9	37.0	40.4	44.4
142.5°	20.6	21.8	23.1	24.7	26.5	28.4	30.3	32.7	35.4	38.6	42.1
145°	19.5	20.7	22.2	23.8	25.4	27.0	28.9	31.1	33.6	36.4	39.4
147.5°	18.4	19.8	21.2	22.5	23.8	25.4	27.2	29.1	31.3	33.6	36.2
150°	17.6	18.6	19.6	20.7	22.0	23.4	24.9	26.6	28.4	30.2	32.2
152.5°	16.3	17.2	18.2	19.1	20.0	20.8	22.1	23.3	24.7	26.1	27.7
155°	15.0	15.9	16.7	17.6	18.4	19.1	19.7	20.2	20.8	21.5	22.7
157.5°	13.7	14.5	15.3	16.0	16.6	17.1	17.7	18.3	18.9	19.5	20.1
160°	12.4	13.0	13.6	14.2	14.7	15.3	15.9	16.4	17.0	17.5	18.0
162.5°	10.8	11.3	11.9	12.4	13.0	13.5	14.0	14.5	15.0	15.5	15.9
165°	9.3	9.8	10.3	10.8	11.3	11.7	12.2	12.6	13.0	13.3	13.6
167.5°	7.9	8.3	8.7	9.2	9.5	9.9	10.2	10.5	10.8	11.1	11.3
170°	6.4	6.8	7.1	7.4	7.7	7.9	8.2	8.4	8.6	8.9	9.1
172.5°	4.8	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.6	6.7	6.9
175°	3.2	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.5	4.7
177.5°	1.7	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4
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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	3.0
5°	4.8	4.8	4.9	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.9
7.5°	7.1	7.2	7.3	7.5	7.6	7.6	7.7	7.8	7.8	7.9	8.8
10°	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.4	10.4	10.5	11.8
12.5°	11.6	11.8	12.0	12.3	12.5	12.6	12.8	12.9	13.0	13.1	14.7
15°	13.8	14.1	14.4	14.6	14.9	15.1	15.3	15.5	15.6	15.7	17.6
17.5°	16.2	16.4	16.7	17.0	17.3	17.5	17.8	18.0	18.2	18.4	20.5
20°	18.5	18.8	19.1	19.3	19.6	20.0	20.3	20.5	20.8	21.0	23.4
22.5°	20.6	21.2	21.5	21.7	22.0	22.4	22.7	23.1	23.4	23.6	26.3
25°	23.9	25.2	26.3	27.2	28.1	29.2	30.2	31.0	31.8	32.4	35.5
27.5°	29.3	30.8	32.3	33.7	35.0	36.3	37.8	39.1	40.2	41.2	44.8
30°	34.2	36.2	38.1	39.9	41.6	43.3	45.2	47.1	48.6	49.9	54.1
32.5°	38.7	41.2	43.5	45.7	48.0	50.1	52.5	54.9	56.9	58.7	63.4
35°	42.7	45.7	48.7	51.4	54.0	56.8	59.7	62.6	65.2	67.5	72.8
37.5°	46.0	49.9	53.5	56.8	60.0	63.2	66.6	70.2	73.4	76.3	82.2
40°	48.8	53.7	58.0	62.0	65.6	69.5	73.5	77.8	81.6	85.0	91.6
42.5°	51.1	56.8	62.2	67.2	71.2	75.6	80.3	85.2	89.8	93.8	101.0
45°	53.2	59.5	66.2	71.6	76.6	81.5	86.9	92.6	97.9	102.6	110.4
47.5°	55.0	61.3	68.3	73.9	79.0	83.8	89.5	95.7	102.1	108.2	116.9
50°	56.3	62.2	68.8	74.9	80.3	85.4	91.6	98.6	106.2	113.7	123.5
52.5°	57.9	63.7	69.8	75.9	81.5	87.1	93.6	101.4	110.2	119.3	130.0
55°	59.9	65.4	71.1	77.0	82.7	88.7	95.7	104.1	114.1	124.9	136.6
57.5°	62.1	67.5	72.7	78.2	84.0	90.4	97.7	106.8	118.0	130.4	143.1
60°	64.4	69.8	74.9	79.7	85.4	92.0	99.7	109.4	121.8	136.0	149.7
62.5°	66.9	72.4	77.0	81.4	86.8	93.6	101.6	111.9	125.6	141.6	156.3
65°	69.7	75.0	79.4	83.4	88.4	95.2	103.6	114.4	129.4	147.1	163.0
67.5°	72.8	77.7	82.1	85.6	90.0	96.8	105.6	116.9	133.1	152.7	169.6
70°	74.7	78.7	82.7	85.7	89.4	95.9	104.6	116.0	132.2	151.9	169.9
72.5°	74.6	78.2	82.1	85.0	88.5	94.7	103.3	115.1	131.3	151.1	170.2
75°	74.6	77.8	81.5	84.4	87.6	93.6	102.1	114.2	130.4	150.3	171.2
77.5°	74.7	77.5	80.9	83.8	86.8	92.5	101.0	113.4	129.6	149.5	171.3
80°	75.0	77.4	80.4	83.3	86.0	91.6	99.9	112.6	128.9	148.8	171.3
82.5°	75.3	77.4	80.0	82.7	85.4	90.7	98.8	112.0	128.1	148.0	171.4
85°	75.7	77.5	79.6	82.3	84.8	89.9	97.8	111.3	127.5	147.2	171.5
87.5°	76.1	77.6	79.3	81.8	84.2	89.1	96.9	110.8	126.8	146.4	171.5
90°	76.6	77.8	79.0	81.4	83.7	88.4	96.1	110.3	126.2	145.6	171.6
92.5°	76.1	77.6	79.3	81.8	84.2	89.1	96.9	110.8	126.8	146.4	171.5
95°	75.7	77.5	79.6	82.3	84.8	89.9	97.8	111.3	127.5	147.2	171.5
97.5°	75.3	77.4	80.0	82.7	85.4	90.7	98.8	112.0	128.1	148.0	171.4
100°	75.0	77.4	80.4	83.3	86.0	91.6	99.9	112.6	128.9	148.8	171.3
102.5°	74.7	77.5	80.9	83.8	86.8	92.5	101.0	113.4	129.6	149.5	171.3
105°	74.6	77.8	81.5	84.4	87.6	93.6	102.1	114.2	130.4	150.3	171.2
107.5°	74.6	78.2	82.1	85.0	88.5	94.7	103.3	115.1	131.3	151.1	170.2
110°	74.7	78.7	82.7	85.7	89.4	95.9	104.6	116.0	132.2	151.9	169.9



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-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°	72.8	77.7	82.1	85.6	90.0	96.8	105.6	116.9	133.1	152.7	169.6
115°	69.7	75.0	79.4	83.4	88.4	95.2	103.6	114.4	129.4	147.1	163.0
117.5°	66.9	72.4	77.0	81.4	86.8	93.6	101.6	111.9	125.6	141.6	156.3
120°	64.4	69.8	74.9	79.7	85.4	92.0	99.7	109.4	121.8	136.0	149.7
122.5°	62.1	67.5	72.7	78.2	84.0	90.4	97.7	106.8	118.0	130.4	143.1
125°	59.9	65.4	71.1	77.0	82.7	88.7	95.7	104.1	114.1	124.9	136.6
127.5°	57.9	63.7	69.8	75.9	81.5	87.1	93.6	101.4	110.2	119.3	130.0
130°	56.3	62.2	68.8	74.9	80.3	85.4	91.6	98.6	106.2	113.7	123.5
132.5°	55.0	61.3	68.3	73.9	79.0	83.8	89.5	95.7	102.1	108.2	116.9
135°	53.2	59.5	66.2	71.6	76.6	81.5	86.9	92.6	97.9	102.6	110.4
137.5°	51.1	56.8	62.2	67.2	71.2	75.6	80.3	85.2	89.8	93.8	101.0
140°	48.8	53.7	58.0	62.0	65.6	69.5	73.5	77.8	81.6	85.0	91.6
142.5°	46.0	49.9	53.5	56.8	60.0	63.2	66.6	70.2	73.4	76.3	82.2
145°	42.7	45.7	48.7	51.4	54.0	56.8	59.7	62.6	65.2	67.5	72.8
147.5°	38.7	41.2	43.5	45.7	48.0	50.1	52.5	54.9	56.9	58.7	63.4
150°	34.2	36.2	38.1	39.9	41.6	43.3	45.2	47.1	48.6	49.9	54.1
152.5°	29.3	30.8	32.3	33.7	35.0	36.3	37.8	39.1	40.2	41.2	44.8
155°	23.9	25.2	26.3	27.2	28.1	29.2	30.2	31.0	31.8	32.4	35.5
157.5°	20.6	21.2	21.5	21.7	22.0	22.4	22.7	23.1	23.4	23.6	26.3
160°	18.5	18.8	19.1	19.3	19.6	20.0	20.3	20.5	20.8	21.0	23.4
162.5°	16.2	16.4	16.7	17.0	17.3	17.5	17.8	18.0	18.2	18.4	20.5
165°	13.8	14.1	14.4	14.6	14.9	15.1	15.3	15.5	15.6	15.7	17.6
167.5°	11.6	11.8	12.0	12.3	12.5	12.6	12.8	12.9	13.0	13.1	14.7
170°	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.4	10.4	10.5	11.8
172.5°	7.1	7.2	7.3	7.5	7.6	7.6	7.7	7.8	7.8	7.9	8.8
175°	4.8	4.8	4.9	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.9
177.5°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	3.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.1
5°	6.5	7.2	7.8	8.4	9.0	9.6	10.1	10.6	11.2	11.6	12.1
7.5°	9.8	10.7	11.6	12.5	13.4	14.3	15.1	16.2	17.3	18.3	19.3
10°	13.0	14.3	15.5	16.7	17.9	19.4	20.9	22.4	23.8	25.2	26.6
12.5°	16.2	17.8	19.3	20.9	22.9	24.8	26.7	28.5	30.2	31.8	33.4
15°	19.5	21.3	23.1	25.5	27.9	30.2	32.4	34.4	36.3	38.2	40.3
17.5°	22.6	24.7	27.3	30.1	32.9	35.5	37.8	40.0	42.2	44.4	46.6
20°	25.8	28.2	31.5	34.7	37.8	40.4	42.9	45.4	48.0	50.6	53.0
22.5°	28.9	32.0	35.6	39.2	42.3	45.1	47.8	50.8	53.7	56.5	59.1
25°	38.5	41.9	45.7	49.0	51.5	53.9	56.1	58.2	60.2	61.9	64.7
27.5°	48.2	52.4	56.6	59.9	62.7	65.2	67.5	69.6	71.3	73.0	74.1
30°	58.1	62.9	67.6	70.8	74.2	76.3	78.5	80.4	82.1	83.3	84.3
32.5°	68.1	73.4	78.1	81.8	84.8	87.0	89.0	90.7	92.1	93.1	94.6
35°	78.1	83.9	88.8	92.7	95.3	97.5	99.1	100.7	101.6	102.8	104.8
37.5°	88.1	94.4	99.4	103.5	105.5	107.3	108.9	110.0	110.9	112.5	114.5
40°	98.2	105.0	110.0	113.7	115.5	117.0	118.3	118.9	119.9	121.5	124.6
42.5°	108.2	115.4	120.6	123.7	125.2	126.4	127.2	127.5	128.6	130.7	134.1
45°	118.3	125.7	131.2	133.4	134.6	135.5	135.7	136.1	136.7	139.8	143.8
47.5°	125.7	134.0	140.9	143.9	146.0	147.2	146.7	145.3	145.3	148.6	153.4
50°	133.0	142.2	150.5	155.4	159.7	163.2	165.5	166.9	168.9	170.1	170.3
52.5°	140.4	150.8	160.4	167.6	174.4	180.6	186.1	190.9	196.9	200.2	200.4
55°	147.8	159.5	170.9	180.5	190.0	199.3	208.3	217.5	226.7	231.5	228.4
57.5°	155.2	168.5	181.7	194.0	206.4	219.3	232.0	246.0	257.2	261.1	254.6
60°	162.6	177.6	193.0	208.2	223.9	240.3	257.1	276.1	288.4	288.0	278.9
62.5°	170.0	186.8	204.7	222.9	242.1	262.6	283.8	307.6	320.4	313.4	301.3
65°	177.4	196.1	216.6	238.0	261.0	285.8	312.0	338.7	352.7	337.6	322.1
67.5°	184.8	205.6	228.8	253.4	280.5	309.7	341.1	369.5	378.7	360.5	341.5
70°	187.0	208.5	232.5	259.1	288.9	321.7	358.0	389.6	397.8	380.9	360.8
72.5°	189.1	210.8	234.9	262.1	292.7	325.7	361.8	391.8	397.3	384.4	369.2
75°	191.3	212.9	237.0	265.0	296.0	329.1	364.6	393.8	398.5	389.9	376.7
77.5°	193.4	214.8	238.9	267.6	299.0	331.9	366.4	395.6	401.0	396.9	384.5
80°	196.3	216.6	240.6	269.9	301.5	334.2	367.4	397.2	404.6	405.3	392.7
82.5°	198.1	218.7	242.9	272.0	303.7	336.0	367.6	398.4	408.9	414.6	401.2
85°	199.9	219.9	243.7	274.4	306.2	338.1	368.0	400.3	413.6	424.5	410.2
87.5°	201.6	221.1	244.5	275.4	307.0	338.3	366.2	399.8	418.8	434.8	419.3
90°	203.4	222.3	245.3	276.5	307.8	338.4	364.4	399.2	423.3	444.6	429.2
92.5°	201.6	221.1	244.5	275.4	307.0	338.3	366.2	399.8	418.8	434.8	419.3
95°	199.9	219.9	243.7	274.4	306.2	338.1	368.0	400.3	413.6	424.5	410.2
97.5°	198.1	218.7	242.9	272.0	303.7	336.0	367.6	398.4	408.9	414.6	401.2
100°	196.3	216.6	240.6	269.9	301.5	334.2	367.4	397.2	404.6	405.3	392.7
102.5°	193.4	214.8	238.9	267.6	299.0	331.9	366.4	395.6	401.0	396.9	384.5
105°	191.3	212.9	237.0	265.0	296.0	329.1	364.6	393.8	398.5	389.9	376.7
107.5°	189.1	210.8	234.9	262.1	292.7	325.7	361.8	391.8	397.3	384.4	369.2
110°	187.0	208.5	232.5	259.1	288.9	321.7	358.0	389.6	397.8	380.9	360.8



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	184.8	205.6	228.8	253.4	280.5	309.7	341.1	369.5	378.7	360.5	341.5
115°	177.4	196.1	216.6	238.0	261.0	285.8	312.0	338.7	352.7	337.6	322.1
117.5°	170.0	186.8	204.7	222.9	242.1	262.6	283.8	307.6	320.4	313.4	301.3
120°	162.6	177.6	193.0	208.2	223.9	240.3	257.1	276.1	288.4	288.0	278.9
122.5°	155.2	168.5	181.7	194.0	206.4	219.3	232.0	246.0	257.2	261.1	254.6
125°	147.8	159.5	170.9	180.5	190.0	199.3	208.3	217.5	226.7	231.5	228.4
127.5°	140.4	150.8	160.4	167.6	174.4	180.6	186.1	190.9	196.9	200.2	200.4
130°	133.0	142.2	150.5	155.4	159.7	163.2	165.5	166.9	168.9	170.1	170.3
132.5°	125.7	134.0	140.9	143.9	146.0	147.2	146.7	145.3	145.3	148.6	153.4
135°	118.3	125.7	131.2	133.4	134.6	135.5	135.7	136.1	136.7	139.8	143.8
137.5°	108.2	115.4	120.6	123.7	125.2	126.4	127.2	127.5	128.6	130.7	134.1
140°	98.2	105.0	110.0	113.7	115.5	117.0	118.3	118.9	119.9	121.5	124.6
142.5°	88.1	94.4	99.4	103.5	105.5	107.3	108.9	110.0	110.9	112.5	114.5
145°	78.1	83.9	88.8	92.7	95.3	97.5	99.1	100.7	101.6	102.8	104.8
147.5°	68.1	73.4	78.1	81.8	84.8	87.0	89.0	90.7	92.1	93.1	94.6
150°	58.1	62.9	67.6	70.8	74.2	76.3	78.5	80.4	82.1	83.3	84.3
152.5°	48.2	52.4	56.6	59.9	62.7	65.2	67.5	69.6	71.3	73.0	74.1
155°	38.5	41.9	45.7	49.0	51.5	53.9	56.1	58.2	60.2	61.9	64.7
157.5°	28.9	32.0	35.6	39.2	42.3	45.1	47.8	50.8	53.7	56.5	59.1
160°	25.8	28.2	31.5	34.7	37.8	40.4	42.9	45.4	48.0	50.6	53.0
162.5°	22.6	24.7	27.3	30.1	32.9	35.5	37.8	40.0	42.2	44.4	46.6
165°	19.5	21.3	23.1	25.5	27.9	30.2	32.4	34.4	36.3	38.2	40.3
167.5°	16.2	17.8	19.3	20.9	22.9	24.8	26.7	28.5	30.2	31.8	33.4
170°	13.0	14.3	15.5	16.7	17.9	19.4	20.9	22.4	23.8	25.2	26.6
172.5°	9.8	10.7	11.6	12.5	13.4	14.3	15.1	16.2	17.3	18.3	19.3
175°	6.5	7.2	7.8	8.4	9.0	9.6	10.1	10.6	11.2	11.6	12.1
177.5°	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.3	6.5	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9
5°	12.8	13.4	13.9	14.5	15.0	15.5	15.9	16.3	16.7	17.0	17.3
7.5°	20.3	21.2	22.0	22.8	23.6	24.3	25.0	25.6	26.2	26.7	27.2
10°	27.7	28.9	30.0	31.1	32.1	33.0	33.9	34.8	35.6	36.3	37.0
12.5°	34.9	36.3	37.7	39.1	40.4	41.6	42.8	43.9	44.9	45.9	46.9
15°	41.9	43.6	45.4	47.0	48.6	50.2	51.7	53.2	54.6	55.9	57.2
17.5°	48.7	51.1	52.8	54.8	56.7	58.6	60.5	62.3	64.1	65.9	67.6
20°	55.4	57.7	60.0	62.2	64.4	66.6	68.8	70.9	73.0	75.0	76.8
22.5°	61.6	64.1	66.5	68.9	71.4	74.1	76.7	79.2	81.5	83.1	84.4
25°	67.2	69.6	72.4	75.4	78.7	81.8	84.6	87.1	89.2	91.1	93.1
27.5°	75.1	76.4	78.7	82.5	86.4	90.0	93.6	96.5	99.4	101.9	104.0
30°	85.9	88.1	90.4	93.4	96.2	99.8	104.1	107.8	111.2	114.1	116.7
32.5°	96.8	99.4	102.5	105.8	109.6	113.3	116.9	120.6	124.1	126.8	129.2
35°	107.3	110.7	114.3	118.5	122.7	127.0	131.0	133.9	136.5	139.9	144.1
37.5°	118.0	121.7	126.3	130.9	135.7	140.1	143.7	147.3	151.4	155.8	160.0
40°	128.2	133.0	138.0	143.3	148.2	152.6	157.1	161.8	167.0	172.5	178.4
42.5°	138.8	143.9	149.6	155.2	160.4	165.6	170.8	177.1	183.9	191.3	199.2
45°	148.9	154.9	161.0	167.1	172.8	178.4	185.4	192.7	201.6	211.3	222.9
47.5°	159.2	165.6	172.4	178.8	184.7	192.0	200.0	209.5	220.5	232.9	249.6
50°	170.4	176.5	183.7	189.9	197.2	205.4	215.2	226.8	240.3	258.7	278.9
52.5°	198.8	198.9	199.3	201.2	209.7	219.2	230.5	244.0	263.4	285.4	310.1
55°	225.1	223.0	222.0	223.2	227.0	233.2	245.0	264.3	286.9	313.0	343.8
57.5°	248.9	244.9	242.9	243.4	246.8	254.2	266.8	284.7	311.0	342.8	378.0
60°	270.7	264.9	262.1	262.1	265.9	274.3	290.3	312.3	339.4	371.7	413.2
62.5°	291.1	283.9	279.6	278.4	283.8	295.7	313.9	338.1	369.2	407.0	448.7
65°	310.1	301.5	295.9	294.9	301.0	314.4	335.9	364.1	399.1	440.0	485.7
67.5°	327.8	317.6	310.4	310.7	318.5	333.7	356.7	386.8	426.3	471.7	522.5
70°	345.0	332.7	323.4	325.4	334.0	351.2	376.5	410.3	452.1	500.6	558.1
72.5°	355.2	344.0	337.0	339.7	348.0	367.4	393.5	430.3	475.3	528.7	587.7
75°	362.9	352.5	349.0	353.4	363.4	382.7	410.4	447.9	495.0	552.8	611.0
77.5°	370.8	361.6	361.2	366.4	377.6	398.4	428.2	466.7	515.2	571.9	626.8
80°	378.9	371.2	373.6	378.7	390.5	412.7	443.4	481.6	531.5	587.6	644.5
82.5°	387.3	381.3	386.0	390.5	402.3	425.6	456.1	492.9	543.6	600.1	657.9
85°	396.0	391.8	398.4	401.9	413.2	437.3	466.6	501.0	551.8	609.2	666.9
87.5°	404.9	402.4	410.8	413.0	423.5	448.2	475.9	507.4	557.8	616.6	673.5
90°	414.5	413.3	422.7	423.9	432.8	456.9	482.3	510.0	557.8	616.7	672.2
92.5°	404.9	402.4	410.8	413.0	423.5	448.2	475.9	507.4	557.8	616.6	673.5
95°	396.0	391.8	398.4	401.9	413.2	437.3	466.6	501.0	551.8	609.2	666.9
97.5°	387.3	381.3	386.0	390.5	402.3	425.6	456.1	492.9	543.6	600.1	657.9
100°	378.9	371.2	373.6	378.7	390.5	412.7	443.4	481.6	531.5	587.6	644.5
102.5°	370.8	361.6	361.2	366.4	377.6	398.4	428.2	466.7	515.2	571.9	626.8
105°	362.9	352.5	349.0	353.4	363.4	382.7	410.4	447.9	495.0	552.8	611.0
107.5°	355.2	344.0	337.0	339.7	348.0	367.4	393.5	430.3	475.3	528.7	587.7
110°	345.0	332.7	323.4	325.4	334.0	351.2	376.5	410.3	452.1	500.6	558.1



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-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°	327.8	317.6	310.4	310.7	318.5	333.7	356.7	386.8	426.3	471.7	522.5
115°	310.1	301.5	295.9	294.9	301.0	314.4	335.9	364.1	399.1	440.0	485.7
117.5°	291.1	283.9	279.6	278.4	283.8	295.7	313.9	338.1	369.2	407.0	448.7
120°	270.7	264.9	262.1	262.1	265.9	274.3	290.3	312.3	339.4	371.7	413.2
122.5°	248.9	244.9	242.9	243.4	246.8	254.2	266.8	284.7	311.0	342.8	378.0
125°	225.1	223.0	222.0	223.2	227.0	233.2	245.0	264.3	286.9	313.0	343.8
127.5°	198.8	198.9	199.3	201.2	209.7	219.2	230.5	244.0	263.4	285.4	310.1
130°	170.4	176.5	183.7	189.9	197.2	205.4	215.2	226.8	240.3	258.7	278.9
132.5°	159.2	165.6	172.4	178.8	184.7	192.0	200.0	209.5	220.5	232.9	249.6
135°	148.9	154.9	161.0	167.1	172.8	178.4	185.4	192.7	201.6	211.3	222.9
137.5°	138.8	143.9	149.6	155.2	160.4	165.6	170.8	177.1	183.9	191.3	199.2
140°	128.2	133.0	138.0	143.3	148.2	152.6	157.1	161.8	167.0	172.5	178.4
142.5°	118.0	121.7	126.3	130.9	135.7	140.1	143.7	147.3	151.4	155.8	160.0
145°	107.3	110.7	114.3	118.5	122.7	127.0	131.0	133.9	136.5	139.9	144.1
147.5°	96.8	99.4	102.5	105.8	109.6	113.3	116.9	120.6	124.1	126.8	129.2
150°	85.9	88.1	90.4	93.4	96.2	99.8	104.1	107.8	111.2	114.1	116.7
152.5°	75.1	76.4	78.7	82.5	86.4	90.0	93.6	96.5	99.4	101.9	104.0
155°	67.2	69.6	72.4	75.4	78.7	81.8	84.6	87.1	89.2	91.1	93.1
157.5°	61.6	64.1	66.5	68.9	71.4	74.1	76.7	79.2	81.5	83.1	84.4
160°	55.4	57.7	60.0	62.2	64.4	66.6	68.8	70.9	73.0	75.0	76.8
162.5°	48.7	51.1	52.8	54.8	56.7	58.6	60.5	62.3	64.1	65.9	67.6
165°	41.9	43.6	45.4	47.0	48.6	50.2	51.7	53.2	54.6	55.9	57.2
167.5°	34.9	36.3	37.7	39.1	40.4	41.6	42.8	43.9	44.9	45.9	46.9
170°	27.7	28.9	30.0	31.1	32.1	33.0	33.9	34.8	35.6	36.3	37.0
172.5°	20.3	21.2	22.0	22.8	23.6	24.3	25.0	25.6	26.2	26.7	27.2
175°	12.8	13.4	13.9	14.5	15.0	15.5	15.9	16.3	16.7	17.0	17.3
177.5°	6.3	6.5	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9
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: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.0	8.0	8.1	8.1	8.1	8.1	8.4	8.3	8.1	8.0	7.9
5°	17.6	17.8	18.0	18.1	18.2	18.3	18.3	18.3	18.6	18.4	18.1
7.5°	27.6	28.0	28.3	28.6	28.8	28.9	29.0	29.0	29.0	29.2	28.9
10°	37.6	38.1	38.6	39.0	39.3	39.5	39.7	39.7	39.7	40.0	39.6
12.5°	47.8	48.6	49.4	50.0	50.6	51.0	51.4	51.7	51.8	51.9	52.0
15°	58.5	59.7	60.9	61.9	62.9	63.7	64.5	65.1	65.6	65.9	66.4
17.5°	69.2	70.5	71.7	72.8	73.7	74.5	75.2	75.7	76.0	76.3	76.6
20°	78.5	79.7	80.4	80.8	81.0	81.1	81.0	80.7	80.3	79.8	79.3
22.5°	85.4	86.2	87.0	87.6	88.0	88.1	88.0	87.6	87.1	86.3	85.6
25°	94.6	95.8	96.7	97.3	97.6	97.5	97.2	96.5	95.6	94.4	93.0
27.5°	105.8	107.1	108.0	108.7	109.3	109.7	109.8	109.5	109.0	108.2	107.0
30°	118.3	120.0	121.4	122.5	124.7	126.7	128.3	129.5	130.3	130.6	130.5
32.5°	131.8	135.3	138.6	141.8	145.0	148.1	150.8	153.1	154.8	156.0	156.6
35°	148.3	153.0	157.8	162.4	166.9	172.3	177.2	181.5	185.2	188.1	190.3
37.5°	165.8	171.9	179.3	186.5	193.5	201.4	208.8	215.5	221.3	226.1	229.8
40°	185.4	193.7	203.9	214.5	224.6	235.4	246.4	256.1	264.6	271.6	277.1
42.5°	209.1	219.5	232.3	247.9	262.5	276.4	290.4	302.8	313.7	322.8	330.0
45°	235.7	252.0	267.7	286.3	304.6	323.5	339.9	356.6	371.2	383.4	393.1
47.5°	267.7	287.6	307.6	328.8	353.0	375.7	398.5	420.4	439.6	456.0	469.2
50°	301.8	325.5	352.5	378.9	408.7	437.9	466.1	493.6	517.0	536.0	550.8
52.5°	338.3	368.1	401.6	435.3	472.4	510.0	543.8	577.6	606.6	630.5	649.0
55°	376.7	414.4	453.9	497.6	542.7	591.2	634.0	663.7	689.0	711.8	731.3
57.5°	418.0	461.9	508.8	561.6	618.5	658.8	695.2	725.8	753.9	780.0	803.3
60°	458.8	508.2	563.9	620.1	670.4	711.3	745.9	778.2	808.7	837.5	863.8
62.5°	496.2	552.3	614.5	673.9	717.8	757.0	789.5	820.7	851.7	881.6	909.5
65°	536.4	596.9	664.9	714.7	756.1	792.5	824.4	854.0	886.0	918.7	947.4
67.5°	580.1	648.0	701.5	745.9	784.8	820.0	854.2	888.3	920.5	952.3	979.8
70°	620.9	680.0	730.1	770.2	806.9	844.1	881.4	917.8	952.2	983.4	1009.6
72.5°	649.4	706.3	753.7	791.1	827.2	864.0	904.3	943.3	981.7	1013.0	1036.1
75°	670.5	725.9	770.3	808.3	846.3	884.5	923.4	964.2	1001.8	1037.4	1064.1
77.5°	686.7	744.3	782.1	822.4	862.5	902.8	942.0	978.8	1020.2	1058.6	1090.0
80°	703.2	753.5	791.0	833.0	874.2	918.0	955.3	994.9	1034.5	1075.0	1104.6
82.5°	717.8	762.7	801.7	841.9	882.7	923.4	963.7	1005.7	1048.0	1091.6	1117.0
85°	728.1	768.7	808.4	848.1	890.1	931.5	970.7	1010.5	1054.7	1098.9	1131.0
87.5°	736.4	771.5	810.9	849.9	892.5	937.1	977.3	1019.2	1060.3	1103.0	1126.5
90°	735.2	771.2	809.5	847.3	889.7	937.5	977.6	1020.0	1061.3	1103.7	1122.0
92.5°	736.4	771.5	810.9	849.9	892.5	937.1	977.3	1019.2	1060.3	1103.0	1126.5
95°	728.1	768.7	808.4	848.1	890.1	931.5	970.7	1010.5	1054.7	1098.9	1131.0
97.5°	717.8	762.7	801.7	841.9	882.7	923.4	963.7	1005.7	1048.0	1091.6	1117.0
100°	703.2	753.5	791.0	833.0	874.2	918.0	955.3	994.9	1034.5	1075.0	1104.6
102.5°	686.7	744.3	782.1	822.4	862.5	902.8	942.0	978.8	1020.2	1058.6	1090.0
105°	670.5	725.9	770.3	808.3	846.3	884.5	923.4	964.2	1001.8	1037.4	1064.1
107.5°	649.4	706.3	753.7	791.1	827.2	864.0	904.3	943.3	981.7	1013.0	1036.1
110°	620.9	680.0	730.1	770.2	806.9	844.1	881.4	917.8	952.2	983.4	1009.6



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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°	580.1	648.0	701.5	745.9	784.8	820.0	854.2	888.3	920.5	952.3	979.8
115°	536.4	596.9	664.9	714.7	756.1	792.5	824.4	854.0	886.0	918.7	947.4
117.5°	496.2	552.3	614.5	673.9	717.8	757.0	789.5	820.7	851.7	881.6	909.5
120°	458.8	508.2	563.9	620.1	670.4	711.3	745.9	778.2	808.7	837.5	863.8
122.5°	418.0	461.9	508.8	561.6	618.5	658.8	695.2	725.8	753.9	780.0	803.3
125°	376.7	414.4	453.9	497.6	542.7	591.2	634.0	663.7	689.0	711.8	731.3
127.5°	338.3	368.1	401.6	435.3	472.4	510.0	543.8	577.6	606.6	630.5	649.0
130°	301.8	325.5	352.5	378.9	408.7	437.9	466.1	493.6	517.0	536.0	550.8
132.5°	267.7	287.6	307.6	328.8	353.0	375.7	398.5	420.4	439.6	456.0	469.2
135°	235.7	252.0	267.7	286.3	304.6	323.5	339.9	356.6	371.2	383.4	393.1
137.5°	209.1	219.5	232.3	247.9	262.5	276.4	290.4	302.8	313.7	322.8	330.0
140°	185.4	193.7	203.9	214.5	224.6	235.4	246.4	256.1	264.6	271.6	277.1
142.5°	165.8	171.9	179.3	186.5	193.5	201.4	208.8	215.5	221.3	226.1	229.8
145°	148.3	153.0	157.8	162.4	166.9	172.3	177.2	181.5	185.2	188.1	190.3
147.5°	131.8	135.3	138.6	141.8	145.0	148.1	150.8	153.1	154.8	156.0	156.6
150°	118.3	120.0	121.4	122.5	124.7	126.7	128.3	129.5	130.3	130.6	130.5
152.5°	105.8	107.1	108.0	108.7	109.3	109.7	109.8	109.5	109.0	108.2	107.0
155°	94.6	95.8	96.7	97.3	97.6	97.5	97.2	96.5	95.6	94.4	93.0
157.5°	85.4	86.2	87.0	87.6	88.0	88.1	88.0	87.6	87.1	86.3	85.6
160°	78.5	79.7	80.4	80.8	81.0	81.1	81.0	80.7	80.3	79.8	79.3
162.5°	69.2	70.5	71.7	72.8	73.7	74.5	75.2	75.7	76.0	76.3	76.6
165°	58.5	59.7	60.9	61.9	62.9	63.7	64.5	65.1	65.6	65.9	66.4
167.5°	47.8	48.6	49.4	50.0	50.6	51.0	51.4	51.7	51.8	51.9	52.0
170°	37.6	38.1	38.6	39.0	39.3	39.5	39.7	39.7	39.7	40.0	39.6
172.5°	27.6	28.0	28.3	28.6	28.8	28.9	29.0	29.0	29.0	29.2	28.9
175°	17.6	17.8	18.0	18.1	18.2	18.3	18.3	18.3	18.6	18.4	18.1
177.5°	8.0	8.0	8.1	8.1	8.1	8.1	8.4	8.3	8.1	8.0	7.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	7.8	7.7
5°	17.9	17.7
7.5°	28.6	28.3
10°	39.3	38.9
12.5°	51.7	51.3
15°	66.2	66.0
17.5°	76.4	76.1
20°	78.5	77.8
22.5°	84.4	83.1
25°	91.4	89.6
27.5°	105.7	103.8
30°	130.1	128.5
32.5°	156.9	155.7
35°	192.0	191.6
37.5°	233.0	233.5
40°	281.8	283.0
42.5°	336.4	338.4
45°	401.6	404.5
47.5°	480.9	485.2
50°	563.3	567.2
52.5°	664.8	669.2
55°	749.5	757.6
57.5°	825.5	837.8
60°	889.3	905.6
62.5°	934.7	956.3
65°	972.0	992.9
67.5°	1003.0	1022.4
70°	1030.5	1047.1
72.5°	1053.3	1066.0
75°	1080.5	1091.4
77.5°	1102.4	1108.5
80°	1116.3	1120.3
82.5°	1126.5	1127.3
85°	1134.6	1127.3
87.5°	1140.3	1135.0
90°	1140.3	1148.6
92.5°	1140.3	1135.0
95°	1134.6	1127.3
97.5°	1126.5	1127.3
100°	1116.3	1120.3
102.5°	1102.4	1108.5
105°	1080.5	1091.4
107.5°	1053.3	1066.0
110°	1030.5	1047.1



TEST NUMBER: P231932

CATALOG NUMBER: FVS4WM-2-LD4-30-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1003.0	1022.4
115°	972.0	992.9
117.5°	934.7	956.3
120°	889.3	905.6
122.5°	825.5	837.8
125°	749.5	757.6
127.5°	664.8	669.2
130°	563.3	567.2
132.5°	480.9	485.2
135°	401.6	404.5
137.5°	336.4	338.4
140°	281.8	283.0
142.5°	233.0	233.5
145°	192.0	191.6
147.5°	156.9	155.7
150°	130.1	128.5
152.5°	105.7	103.8
155°	91.4	89.6
157.5°	84.4	83.1
160°	78.5	77.8
162.5°	76.4	76.1
165°	66.2	66.0
167.5°	51.7	51.3
170°	39.3	38.9
172.5°	28.6	28.3
175°	17.9	17.7
177.5°	7.8	7.7
180°	0.0	0.0

(END OF REPORT)