

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: P232046

Luminaire Tested: **FVS4WM-3-LD4-40-1STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-25)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-40-1STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

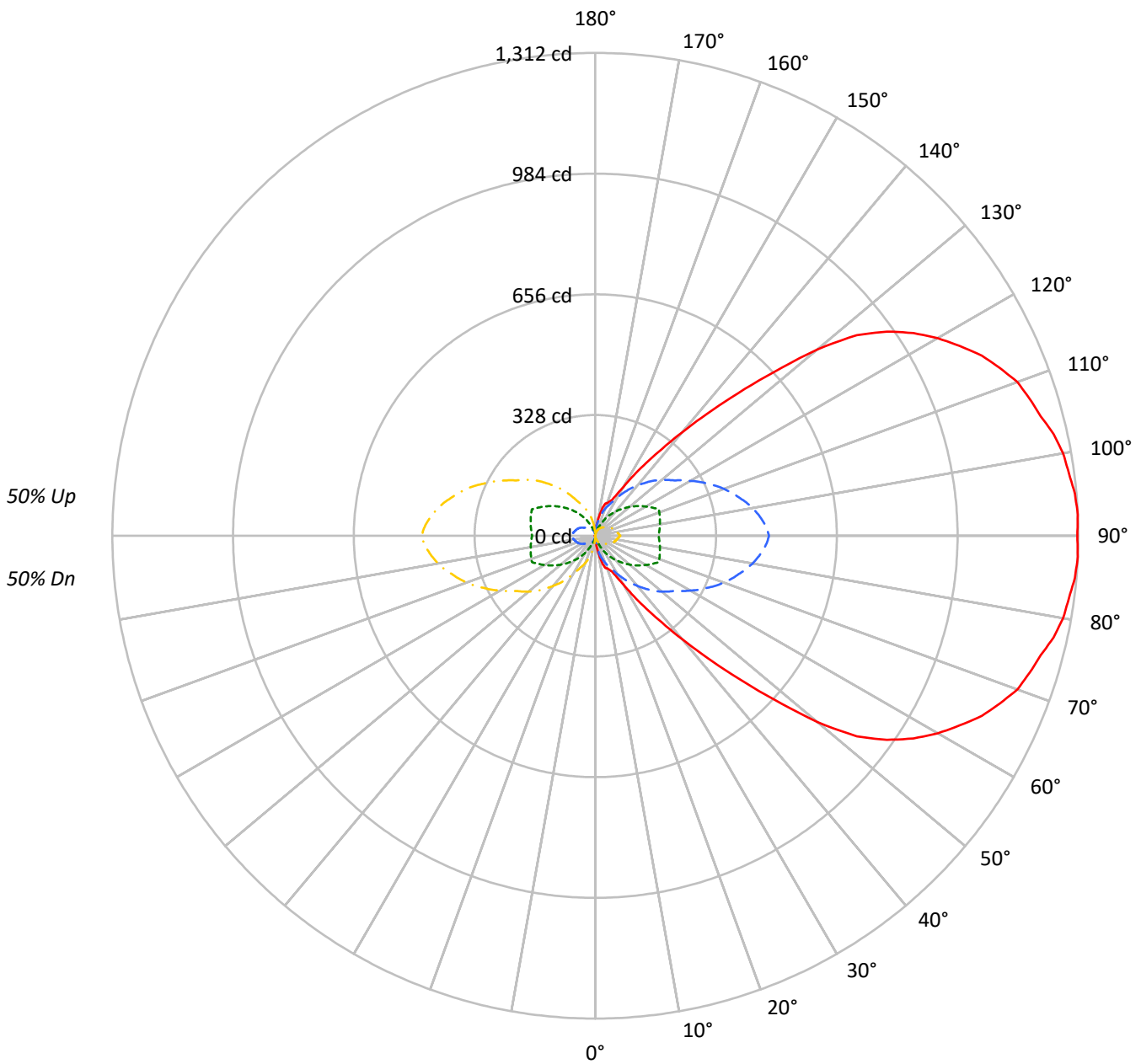
Lumens per Lamp: N/A
Luminaire Lumens: 3012.6 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	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	33	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	27	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°	357	112	0	112
10°	743	224	0	224
15°	1145	339	0	339
20°	1232	460	0	460
25°	1317	712	0	712
30°	1777	1107	0	1107
35°	2676	1542	0	1542
40°	3926	2034	0	2034
45°	5712	2605	0	2605
50°	8077	3313	0	3313
55°	9815	4181	0	4181
60°	10874	5276	0	5276
65°	11793	6718	0	6718
70°	12589	8221	8	8221
75°	13195	9865	8	9865
80°	13991	12571	0	12571
85°	14728	17755	0	17755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	9.6	0.3
20°-30°	25.8	0.9
30°-40°	59.3	2.0
40°-50°	117.7	3.9
50°-60°	210.2	7.0
60°-70°	306.0	10.2
70°-80°	371.4	12.3
80°-90°	405.0	13.4
90°-100°	405.0	13.4
100°-110°	371.4	12.3
110°-120°	306.0	10.2
120°-130°	210.2	7.0
130°-140°	117.7	3.9
140°-150°	59.3	2.0
150°-160°	25.8	0.9
160°-170°	9.6	0.3
170°-180°	1.3	0.0
0°-30°	36.7	1.2
0°-40°	96.0	3.2
0°-60°	423.9	14.1
0°-90°	1506.3	50.0
90°-120°	1082.4	35.9
90°-150°	1469.6	48.8
90°-180°	1506.0	50.0
0°-180°	3012.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	21	6	0	6	21	3
15°	81	17	0	17	81	23
25°	108	34	0	34	108	54
35°	241	69	0	69	241	159
45°	547	104	0	104	547	436
55°	967	140	0	140	967	859
65°	1158	177	0	177	1158	1145
75°	1253	182	1	182	1253	1328
85°	1308	175	0	175	1308	1064
90°	1309	172	0	172	1309	718
95°	1308	175	0	175	1308	1064
105°	1253	182	1	182	1253	1328
115°	1158	177	0	177	1158	1145
125°	967	140	0	140	967	859
135°	547	104	0	104	547	436
145°	241	69	0	69	241	159
155°	108	34	0	34	108	54
165°	81	17	0	17	81	23
175°	21	6	0	6	21	3
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.3	8.4	8.5	8.7	8.8	8.9	9.0	8.7	8.7	8.7	8.7
5°	20.7	20.9	21.2	21.4	21.6	21.3	21.2	21.2	21.0	20.9	20.7
7.5°	34.8	35.1	35.4	35.7	35.4	35.3	35.2	35.0	34.7	34.3	33.9
10°	48.1	48.5	48.8	49.2	48.7	48.6	48.4	48.1	47.8	47.3	46.7
12.5°	63.0	63.3	63.6	63.3	63.1	62.8	62.4	61.8	61.2	60.4	59.5
15°	81.3	81.4	81.5	80.7	80.1	79.3	78.4	77.3	76.1	74.7	73.3
17.5°	92.0	92.2	92.3	91.9	91.5	91.0	90.3	89.5	88.5	87.4	86.1
20°	94.5	95.3	96.2	96.7	97.2	97.5	97.7	97.6	97.3	96.7	95.9
22.5°	100.3	101.8	103.4	104.3	105.2	105.9	106.4	106.5	106.4	105.9	105.0
25°	107.8	110.2	112.2	114.0	115.6	116.8	117.6	118.1	118.2	117.8	116.9
27.5°	125.2	127.9	129.8	131.4	132.7	133.5	133.9	133.8	133.3	132.4	131.4
30°	153.4	155.9	157.0	157.8	158.0	157.7	156.7	155.3	153.4	151.0	149.5
32.5°	194.9	196.5	196.0	195.0	193.2	190.6	187.3	183.4	179.0	174.9	171.5
35°	241.3	241.9	239.9	237.3	233.7	229.1	223.6	217.4	210.5	204.2	197.8
37.5°	297.7	296.8	292.3	287.2	280.8	273.1	264.5	255.0	245.2	236.3	227.0
40°	366.5	364.0	356.8	348.6	338.4	326.5	313.0	298.2	284.2	271.5	258.6
42.5°	447.7	443.1	432.3	420.4	406.1	389.6	371.3	351.5	332.6	313.2	293.1
45°	547.2	539.7	523.9	506.7	486.4	463.4	438.0	413.8	387.0	361.9	336.6
47.5°	656.7	646.3	625.9	603.7	577.6	548.0	515.4	481.9	449.0	415.2	385.1
50°	787.7	774.2	747.7	718.6	684.3	645.2	601.8	560.1	518.3	477.3	440.5
52.5°	895.5	885.2	861.8	834.2	799.0	755.8	704.5	652.1	598.4	547.0	501.1
55°	966.8	965.2	952.4	934.3	907.1	869.6	820.5	758.5	690.7	627.9	566.4
57.5°	1024.8	1028.6	1022.9	1013.3	996.8	972.9	933.5	864.3	794.4	714.6	639.9
60°	1073.7	1077.1	1073.3	1068.0	1059.7	1048.6	1011.9	952.5	880.4	798.2	716.3
62.5°	1116.0	1117.9	1116.3	1111.2	1102.8	1091.2	1061.2	1018.0	951.5	873.7	785.3
65°	1158.3	1157.3	1153.2	1147.2	1140.0	1129.6	1105.6	1069.6	1012.6	936.8	846.8
67.5°	1189.8	1189.5	1185.7	1178.5	1168.2	1159.4	1147.1	1120.3	1073.0	998.4	905.7
70°	1220.5	1217.1	1211.3	1204.3	1198.1	1187.7	1176.0	1158.9	1127.6	1059.2	962.3
72.5°	1237.1	1236.1	1231.9	1224.0	1218.9	1210.3	1198.9	1186.0	1157.8	1098.4	1009.2
75°	1252.8	1252.8	1249.9	1244.1	1236.1	1228.9	1218.6	1204.1	1181.3	1128.2	1042.6
77.5°	1275.2	1272.8	1267.5	1260.4	1251.8	1240.6	1234.1	1222.1	1200.6	1155.0	1072.6
80°	1290.2	1287.0	1281.8	1272.0	1263.9	1253.3	1241.6	1236.6	1222.3	1180.6	1095.2
82.5°	1297.6	1296.1	1294.1	1289.2	1272.2	1262.3	1249.2	1242.0	1231.4	1194.8	1117.5
85°	1307.6	1306.1	1300.4	1290.1	1277.2	1269.1	1254.7	1243.6	1233.1	1203.9	1131.6
87.5°	1311.7	1306.4	1300.8	1291.5	1275.7	1270.6	1256.7	1245.2	1234.0	1208.6	1136.6
90°	1309.2	1303.4	1296.0	1295.1	1276.1	1268.6	1256.2	1246.2	1232.9	1207.2	1131.8
92.5°	1311.7	1306.4	1300.8	1291.5	1275.7	1270.6	1256.7	1245.2	1234.0	1208.6	1136.6
95°	1307.6	1306.1	1300.4	1290.1	1277.2	1269.1	1254.7	1243.6	1233.1	1203.9	1131.6
97.5°	1297.6	1296.1	1294.1	1289.2	1272.2	1262.3	1249.2	1242.0	1231.4	1194.8	1117.5
100°	1290.2	1287.0	1281.8	1272.0	1263.9	1253.3	1241.6	1236.6	1222.3	1180.6	1095.2
102.5°	1275.2	1272.8	1267.5	1260.4	1251.8	1240.6	1234.1	1222.1	1200.6	1155.0	1072.6
105°	1252.8	1252.8	1249.9	1244.1	1236.1	1228.9	1218.6	1204.1	1181.3	1128.2	1042.6
107.5°	1237.1	1236.1	1231.9	1224.0	1218.9	1210.3	1198.9	1186.0	1157.8	1098.4	1009.2
110°	1220.5	1217.1	1211.3	1204.3	1198.1	1187.7	1176.0	1158.9	1127.6	1059.2	962.3



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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°	1189.8	1189.5	1185.7	1178.5	1168.2	1159.4	1147.1	1120.3	1073.0	998.4	905.7
115°	1158.3	1157.3	1153.2	1147.2	1140.0	1129.6	1105.6	1069.6	1012.6	936.8	846.8
117.5°	1116.0	1117.9	1116.3	1111.2	1102.8	1091.2	1061.2	1018.0	951.5	873.7	785.3
120°	1073.7	1077.1	1073.3	1068.0	1059.7	1048.6	1011.9	952.5	880.4	798.2	716.3
122.5°	1024.8	1028.6	1022.9	1013.3	996.8	972.9	933.5	864.3	794.4	714.6	639.9
125°	966.8	965.2	952.4	934.3	907.1	869.6	820.5	758.5	690.7	627.9	566.4
127.5°	895.5	885.2	861.8	834.2	799.0	755.8	704.5	652.1	598.4	547.0	501.1
130°	787.7	774.2	747.7	718.6	684.3	645.2	601.8	560.1	518.3	477.3	440.5
132.5°	656.7	646.3	625.9	603.7	577.6	548.0	515.4	481.9	449.0	415.2	385.1
135°	547.2	539.7	523.9	506.7	486.4	463.4	438.0	413.8	387.0	361.9	336.6
137.5°	447.7	443.1	432.3	420.4	406.1	389.6	371.3	351.5	332.6	313.2	293.1
140°	366.5	364.0	356.8	348.6	338.4	326.5	313.0	298.2	284.2	271.5	258.6
142.5°	297.7	296.8	292.3	287.2	280.8	273.1	264.5	255.0	245.2	236.3	227.0
145°	241.3	241.9	239.9	237.3	233.7	229.1	223.6	217.4	210.5	204.2	197.8
147.5°	194.9	196.5	196.0	195.0	193.2	190.6	187.3	183.4	179.0	174.9	171.5
150°	153.4	155.9	157.0	157.8	158.0	157.7	156.7	155.3	153.4	151.0	149.5
152.5°	125.2	127.9	129.8	131.4	132.7	133.5	133.9	133.8	133.3	132.4	131.4
155°	107.8	110.2	112.2	114.0	115.6	116.8	117.6	118.1	118.2	117.8	116.9
157.5°	100.3	101.8	103.4	104.3	105.2	105.9	106.4	106.5	106.4	105.9	105.0
160°	94.5	95.3	96.2	96.7	97.2	97.5	97.7	97.6	97.3	96.7	95.9
162.5°	92.0	92.2	92.3	91.9	91.5	91.0	90.3	89.5	88.5	87.4	86.1
165°	81.3	81.4	81.5	80.7	80.1	79.3	78.4	77.3	76.1	74.7	73.3
167.5°	63.0	63.3	63.6	63.3	63.1	62.8	62.4	61.8	61.2	60.4	59.5
170°	48.1	48.5	48.8	49.2	48.7	48.6	48.4	48.1	47.8	47.3	46.7
172.5°	34.8	35.1	35.4	35.7	35.4	35.3	35.2	35.0	34.7	34.3	33.9
175°	20.7	20.9	21.2	21.4	21.6	21.3	21.2	21.2	21.0	20.9	20.7
177.5°	8.3	8.4	8.5	8.7	8.8	8.9	9.0	8.7	8.7	8.7	8.7
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°	8.6	8.6	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.5	7.3
5°	20.4	20.1	19.7	19.3	18.9	18.4	17.9	17.3	16.7	16.0	15.3
7.5°	33.4	32.8	32.2	31.5	30.7	29.8	28.9	28.0	27.0	26.0	24.9
10°	46.0	45.3	44.5	43.6	42.6	41.5	40.3	39.0	37.7	36.2	34.8
12.5°	58.6	57.5	56.3	55.1	53.8	52.4	51.0	49.4	47.8	46.1	44.4
15°	71.7	70.0	68.2	66.5	64.9	63.1	61.3	59.4	57.5	55.5	53.4
17.5°	84.6	83.0	80.9	78.6	76.3	73.8	71.3	68.9	66.7	64.3	61.9
20°	94.7	93.0	91.1	88.9	86.6	84.1	81.3	78.4	75.5	72.6	69.9
22.5°	103.9	102.6	100.8	98.6	96.0	93.2	90.2	87.0	83.8	80.5	77.3
25°	115.8	114.3	112.3	109.8	106.9	103.6	99.8	95.5	91.8	87.9	84.3
27.5°	130.3	128.5	126.1	123.2	120.0	116.2	112.4	106.9	101.3	95.7	91.2
30°	147.6	145.2	142.7	139.1	135.2	130.5	125.6	120.1	114.3	108.5	102.7
32.5°	167.8	163.7	160.2	156.5	152.4	147.4	141.2	134.6	128.5	122.2	116.0
35°	191.2	185.0	180.0	174.7	169.1	163.2	156.8	149.6	142.2	135.2	128.4
37.5°	217.5	209.2	201.4	193.9	186.1	178.5	171.3	164.1	156.2	148.0	140.3
40°	246.0	235.0	223.7	213.8	204.3	195.3	186.6	177.9	169.7	161.1	152.2
42.5°	276.7	262.0	247.7	235.3	224.0	212.9	202.6	192.7	182.7	173.6	164.2
45°	314.3	291.4	273.6	257.3	243.2	230.2	218.9	207.9	196.8	185.9	175.8
47.5°	356.7	328.7	303.7	280.6	263.3	247.7	234.5	222.6	211.1	198.9	187.3
50°	402.5	369.2	337.3	309.6	284.4	265.5	249.5	236.3	224.3	212.2	198.8
52.5°	455.5	413.6	374.0	339.9	309.9	283.6	264.6	249.1	237.0	224.5	214.0
55°	512.0	461.3	415.2	371.7	336.0	305.3	279.2	261.8	250.6	241.1	233.0
57.5°	572.9	510.8	457.2	408.1	363.1	326.9	300.5	280.2	266.0	256.4	248.0
60°	636.5	564.6	498.9	443.6	396.1	355.9	323.1	298.0	282.0	270.6	262.2
62.5°	698.7	617.3	545.0	483.5	430.6	383.8	347.0	317.9	297.0	283.6	275.2
65°	753.8	670.8	594.2	523.2	464.3	413.1	369.7	335.3	311.5	296.9	287.6
67.5°	810.6	721.6	639.6	564.1	494.9	438.2	391.8	354.5	327.0	309.3	298.9
70°	863.5	767.6	680.4	599.4	526.2	464.0	412.9	371.9	340.5	320.4	309.2
72.5°	906.8	807.0	713.2	629.1	554.1	485.9	430.1	388.5	352.5	331.4	319.3
75°	940.9	838.7	741.2	651.6	576.3	505.2	447.6	403.3	367.7	343.1	328.1
77.5°	965.2	861.0	762.5	673.4	597.2	528.2	467.9	419.5	381.5	354.1	336.6
80°	988.0	884.3	787.2	695.2	614.6	546.2	484.8	433.8	393.7	364.3	345.0
82.5°	1011.5	903.8	805.0	711.4	626.8	559.6	498.6	446.2	404.2	373.7	353.1
85°	1025.2	915.5	815.7	721.9	634.1	568.6	509.3	456.7	413.2	382.3	360.7
87.5°	1029.0	923.1	822.7	729.3	638.9	575.1	518.4	466.2	421.4	390.6	368.3
90°	1023.2	915.4	816.7	725.5	636.0	575.4	522.4	471.8	427.0	397.2	374.8
92.5°	1029.0	923.1	822.7	729.3	638.9	575.1	518.4	466.2	421.4	390.6	368.3
95°	1025.2	915.5	815.7	721.9	634.1	568.6	509.3	456.7	413.2	382.3	360.7
97.5°	1011.5	903.8	805.0	711.4	626.8	559.6	498.6	446.2	404.2	373.7	353.1
100°	988.0	884.3	787.2	695.2	614.6	546.2	484.8	433.8	393.7	364.3	345.0
102.5°	965.2	861.0	762.5	673.4	597.2	528.2	467.9	419.5	381.5	354.1	336.6
105°	940.9	838.7	741.2	651.6	576.3	505.2	447.6	403.3	367.7	343.1	328.1
107.5°	906.8	807.0	713.2	629.1	554.1	485.9	430.1	388.5	352.5	331.4	319.3
110°	863.5	767.6	680.4	599.4	526.2	464.0	412.9	371.9	340.5	320.4	309.2



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	810.6	721.6	639.6	564.1	494.9	438.2	391.8	354.5	327.0	309.3	298.9
115°	753.8	670.8	594.2	523.2	464.3	413.1	369.7	335.3	311.5	296.9	287.6
117.5°	698.7	617.3	545.0	483.5	430.6	383.8	347.0	317.9	297.0	283.6	275.2
120°	636.5	564.6	498.9	443.6	396.1	355.9	323.1	298.0	282.0	270.6	262.2
122.5°	572.9	510.8	457.2	408.1	363.1	326.9	300.5	280.2	266.0	256.4	248.0
125°	512.0	461.3	415.2	371.7	336.0	305.3	279.2	261.8	250.6	241.1	233.0
127.5°	455.5	413.6	374.0	339.9	309.9	283.6	264.6	249.1	237.0	224.5	214.0
130°	402.5	369.2	337.3	309.6	284.4	265.5	249.5	236.3	224.3	212.2	198.8
132.5°	356.7	328.7	303.7	280.6	263.3	247.7	234.5	222.6	211.1	198.9	187.3
135°	314.3	291.4	273.6	257.3	243.2	230.2	218.9	207.9	196.8	185.9	175.8
137.5°	276.7	262.0	247.7	235.3	224.0	212.9	202.6	192.7	182.7	173.6	164.2
140°	246.0	235.0	223.7	213.8	204.3	195.3	186.6	177.9	169.7	161.1	152.2
142.5°	217.5	209.2	201.4	193.9	186.1	178.5	171.3	164.1	156.2	148.0	140.3
145°	191.2	185.0	180.0	174.7	169.1	163.2	156.8	149.6	142.2	135.2	128.4
147.5°	167.8	163.7	160.2	156.5	152.4	147.4	141.2	134.6	128.5	122.2	116.0
150°	147.6	145.2	142.7	139.1	135.2	130.5	125.6	120.1	114.3	108.5	102.7
152.5°	130.3	128.5	126.1	123.2	120.0	116.2	112.4	106.9	101.3	95.7	91.2
155°	115.8	114.3	112.3	109.8	106.9	103.6	99.8	95.5	91.8	87.9	84.3
157.5°	103.9	102.6	100.8	98.6	96.0	93.2	90.2	87.0	83.8	80.5	77.3
160°	94.7	93.0	91.1	88.9	86.6	84.1	81.3	78.4	75.5	72.6	69.9
162.5°	84.6	83.0	80.9	78.6	76.3	73.8	71.3	68.9	66.7	64.3	61.9
165°	71.7	70.0	68.2	66.5	64.9	63.1	61.3	59.4	57.5	55.5	53.4
167.5°	58.6	57.5	56.3	55.1	53.8	52.4	51.0	49.4	47.8	46.1	44.4
170°	46.0	45.3	44.5	43.6	42.6	41.5	40.3	39.0	37.7	36.2	34.8
172.5°	33.4	32.8	32.2	31.5	30.7	29.8	28.9	28.0	27.0	26.0	24.9
175°	20.4	20.1	19.7	19.3	18.9	18.4	17.9	17.3	16.7	16.0	15.3
177.5°	8.6	8.6	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.5	7.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	7.1	6.8	6.6	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.2
5°	14.6	13.9	13.1	12.6	12.1	11.5	10.9	10.3	9.7	9.1	8.4
7.5°	23.9	22.7	21.5	20.3	19.1	17.7	16.4	15.4	14.5	13.6	12.6
10°	33.2	31.6	30.0	28.3	26.6	24.9	23.1	21.2	19.4	18.0	16.7
12.5°	42.5	40.5	38.4	36.3	34.1	31.9	29.7	27.4	25.1	22.7	20.8
15°	51.2	48.9	46.9	44.1	41.5	38.9	36.2	33.5	30.7	27.9	25.0
17.5°	59.8	56.9	54.2	51.5	48.6	45.6	42.6	39.5	36.3	33.0	29.7
20°	67.1	64.4	61.6	58.5	55.3	52.1	48.7	45.3	41.8	38.1	34.4
22.5°	74.2	71.2	68.1	65.1	61.7	58.2	54.6	50.8	47.0	43.1	38.9
25°	80.6	77.3	74.1	70.9	68.5	65.6	62.4	59.1	55.6	52.0	48.0
27.5°	87.7	85.1	82.9	80.6	78.2	75.6	72.4	69.0	65.4	61.5	57.4
30°	98.7	95.2	92.3	90.0	87.5	84.9	82.0	78.6	75.2	70.9	66.8
32.5°	109.8	105.3	101.8	98.9	96.4	93.8	91.0	87.8	84.2	80.1	75.8
35°	121.8	115.5	111.0	107.6	104.9	102.4	99.7	97.0	93.1	89.2	84.8
37.5°	133.0	126.3	119.9	116.1	113.2	110.6	108.0	105.1	101.8	98.1	93.6
40°	144.0	136.3	129.8	124.0	121.0	118.3	116.0	113.3	110.2	106.6	102.3
42.5°	154.7	146.4	138.7	132.6	128.4	125.8	123.6	121.1	118.3	114.9	110.8
45°	165.7	155.9	147.7	140.8	135.3	133.0	130.9	128.8	126.1	123.0	119.3
47.5°	176.2	165.8	156.4	148.7	142.8	140.8	141.3	141.3	140.7	139.5	137.2
50°	186.9	176.1	169.1	164.2	160.9	159.4	160.0	159.9	159.7	159.1	157.4
52.5°	204.1	196.2	189.7	184.4	180.2	178.1	178.6	178.6	178.3	178.6	177.1
55°	222.8	215.2	209.1	203.9	199.4	197.3	197.1	197.2	196.7	197.8	196.7
57.5°	240.0	232.7	227.5	223.0	218.7	216.1	215.5	215.9	214.9	216.6	216.3
60°	255.2	248.9	244.4	241.0	237.6	234.6	233.8	234.6	233.4	235.2	235.7
62.5°	268.9	263.9	260.4	258.1	256.1	252.7	252.1	253.0	252.0	253.6	255.0
65°	281.4	277.4	275.3	274.4	274.1	271.0	270.5	271.3	270.5	271.8	274.2
67.5°	292.9	289.5	289.2	289.8	290.9	289.2	288.7	289.5	289.1	289.9	293.4
70°	303.5	301.0	302.2	303.8	304.6	303.1	301.5	301.5	300.8	300.1	300.2
72.5°	312.0	307.5	306.3	307.4	309.4	309.8	309.1	309.6	309.7	308.8	305.9
75°	318.6	312.2	309.6	310.8	313.9	316.1	316.6	317.7	318.4	317.9	312.0
77.5°	325.3	317.2	312.9	313.9	318.1	322.1	323.9	325.7	326.8	327.4	318.5
80°	332.2	322.4	316.3	316.8	322.2	327.7	331.2	333.7	335.2	337.1	325.3
82.5°	339.0	327.5	319.7	319.6	326.1	333.1	338.4	341.7	343.4	346.9	333.3
85°	345.7	332.7	323.1	322.4	330.1	338.1	345.4	349.6	351.5	357.2	339.7
87.5°	352.4	337.8	326.6	325.2	334.0	343.6	352.6	357.7	359.8	366.8	346.0
90°	358.2	342.4	330.0	328.3	338.3	349.1	359.9	365.7	368.1	376.4	352.4
92.5°	352.4	337.8	326.6	325.2	334.0	343.6	352.6	357.7	359.8	366.8	346.0
95°	345.7	332.7	323.1	322.4	330.1	338.1	345.4	349.6	351.5	357.2	339.7
97.5°	339.0	327.5	319.7	319.6	326.1	333.1	338.4	341.7	343.4	346.9	333.3
100°	332.2	322.4	316.3	316.8	322.2	327.7	331.2	333.7	335.2	337.1	325.3
102.5°	325.3	317.2	312.9	313.9	318.1	322.1	323.9	325.7	326.8	327.4	318.5
105°	318.6	312.2	309.6	310.8	313.9	316.1	316.6	317.7	318.4	317.9	312.0
107.5°	312.0	307.5	306.3	307.4	309.4	309.8	309.1	309.6	309.7	308.8	305.9
110°	303.5	301.0	302.2	303.8	304.6	303.1	301.5	301.5	300.8	300.1	300.2



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	292.9	289.5	289.2	289.8	290.9	289.2	288.7	289.5	289.1	289.9	293.4
115°	281.4	277.4	275.3	274.4	274.1	271.0	270.5	271.3	270.5	271.8	274.2
117.5°	268.9	263.9	260.4	258.1	256.1	252.7	252.1	253.0	252.0	253.6	255.0
120°	255.2	248.9	244.4	241.0	237.6	234.6	233.8	234.6	233.4	235.2	235.7
122.5°	240.0	232.7	227.5	223.0	218.7	216.1	215.5	215.9	214.9	216.6	216.3
125°	222.8	215.2	209.1	203.9	199.4	197.3	197.1	197.2	196.7	197.8	196.7
127.5°	204.1	196.2	189.7	184.4	180.2	178.1	178.6	178.6	178.3	178.6	177.1
130°	186.9	176.1	169.1	164.2	160.9	159.4	160.0	159.9	159.7	159.1	157.4
132.5°	176.2	165.8	156.4	148.7	142.8	140.8	141.3	141.3	140.7	139.5	137.2
135°	165.7	155.9	147.7	140.8	135.3	133.0	130.9	128.8	126.1	123.0	119.3
137.5°	154.7	146.4	138.7	132.6	128.4	125.8	123.6	121.1	118.3	114.9	110.8
140°	144.0	136.3	129.8	124.0	121.0	118.3	116.0	113.3	110.2	106.6	102.3
142.5°	133.0	126.3	119.9	116.1	113.2	110.6	108.0	105.1	101.8	98.1	93.6
145°	121.8	115.5	111.0	107.6	104.9	102.4	99.7	97.0	93.1	89.2	84.8
147.5°	109.8	105.3	101.8	98.9	96.4	93.8	91.0	87.8	84.2	80.1	75.8
150°	98.7	95.2	92.3	90.0	87.5	84.9	82.0	78.6	75.2	70.9	66.8
152.5°	87.7	85.1	82.9	80.6	78.2	75.6	72.4	69.0	65.4	61.5	57.4
155°	80.6	77.3	74.1	70.9	68.5	65.6	62.4	59.1	55.6	52.0	48.0
157.5°	74.2	71.2	68.1	65.1	61.7	58.2	54.6	50.8	47.0	43.1	38.9
160°	67.1	64.4	61.6	58.5	55.3	52.1	48.7	45.3	41.8	38.1	34.4
162.5°	59.8	56.9	54.2	51.5	48.6	45.6	42.6	39.5	36.3	33.0	29.7
165°	51.2	48.9	46.9	44.1	41.5	38.9	36.2	33.5	30.7	27.9	25.0
167.5°	42.5	40.5	38.4	36.3	34.1	31.9	29.7	27.4	25.1	22.7	20.8
170°	33.2	31.6	30.0	28.3	26.6	24.9	23.1	21.2	19.4	18.0	16.7
172.5°	23.9	22.7	21.5	20.3	19.1	17.7	16.4	15.4	14.5	13.6	12.6
175°	14.6	13.9	13.1	12.6	12.1	11.5	10.9	10.3	9.7	9.1	8.4
177.5°	7.1	6.8	6.6	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.2
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: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	3.9	3.6	3.2	2.9	2.8	2.8	2.8	2.8	2.8	2.7	2.7
5°	7.8	7.1	6.4	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3
7.5°	11.6	10.6	9.6	8.6	8.5	8.5	8.4	8.3	8.2	8.1	7.9
10°	15.5	14.1	12.8	11.4	11.3	11.3	11.1	11.0	10.9	10.7	10.6
12.5°	19.2	17.6	16.0	14.3	14.2	14.0	13.9	13.7	13.5	13.4	13.2
15°	23.0	21.1	19.1	17.1	17.0	16.8	16.6	16.4	16.2	16.1	15.9
17.5°	26.7	24.5	22.3	20.0	19.8	19.5	19.3	19.1	18.9	18.7	18.5
20°	30.5	28.0	25.4	22.8	22.6	22.3	22.0	21.8	21.6	21.4	21.2
22.5°	34.7	31.3	28.5	25.7	25.4	25.0	24.7	24.6	24.4	24.1	23.9
25°	43.7	40.0	37.3	34.4	34.1	33.7	33.3	32.9	32.2	31.4	30.3
27.5°	53.0	48.8	46.0	43.0	42.9	42.6	42.4	42.1	41.4	40.4	39.0
30°	62.2	57.5	54.7	51.7	51.7	51.6	51.6	51.4	50.5	49.4	47.2
32.5°	71.2	66.4	63.3	60.3	60.6	60.7	60.8	60.6	59.6	57.8	54.9
35°	80.1	75.2	71.9	69.0	69.5	69.8	70.2	69.7	68.6	65.8	62.3
37.5°	88.9	84.0	80.4	77.6	78.4	79.0	79.5	78.9	77.7	73.4	68.5
40°	97.6	92.6	89.0	86.3	87.3	88.2	89.0	88.1	85.7	80.7	74.0
42.5°	106.1	101.2	97.5	94.9	96.3	97.5	98.4	97.2	93.5	87.9	79.0
45°	114.5	109.7	105.9	103.6	105.3	106.7	107.6	106.3	101.1	93.4	83.6
47.5°	131.6	124.6	117.8	112.8	112.0	111.4	110.7	109.2	103.2	95.2	85.9
50°	150.1	140.2	130.0	122.0	118.5	115.5	113.0	110.2	103.3	94.9	86.4
52.5°	168.8	156.2	142.4	131.3	124.8	119.4	115.0	110.7	103.4	95.0	87.5
55°	188.0	172.7	154.9	140.5	131.0	122.9	116.9	111.3	103.5	95.6	89.3
57.5°	207.4	189.4	167.5	149.7	137.0	126.1	118.7	111.8	103.9	96.7	91.5
60°	227.1	206.5	180.4	158.9	142.8	129.1	120.3	112.4	104.5	98.5	94.5
62.5°	246.9	223.8	193.3	168.2	148.5	131.9	121.7	113.0	105.5	100.7	97.9
65°	267.0	241.3	206.3	177.4	154.1	134.6	123.1	113.6	106.7	103.3	101.8
67.5°	287.2	259.0	219.4	186.6	159.7	137.1	124.4	114.2	108.2	106.1	106.1
70°	290.4	259.2	218.2	184.9	158.0	135.6	123.3	113.0	107.5	106.3	107.3
72.5°	292.4	258.8	216.9	183.3	156.4	134.2	122.1	111.4	106.4	105.2	106.4
75°	294.4	258.2	216.7	181.6	154.9	132.9	120.9	110.0	105.3	104.1	105.6
77.5°	296.4	257.4	214.8	179.9	153.4	131.6	119.8	108.6	104.2	102.9	104.7
80°	298.3	257.9	213.0	178.3	152.0	130.5	118.8	107.3	103.2	101.7	103.9
82.5°	301.2	256.2	211.1	176.6	150.6	129.5	117.8	106.0	102.2	100.5	103.0
85°	302.3	254.5	209.3	174.9	149.3	128.5	116.9	104.9	101.3	99.3	102.2
87.5°	303.3	252.9	207.4	173.3	148.0	127.7	116.1	103.8	100.4	98.2	101.2
90°	304.3	251.2	205.6	171.6	146.8	126.9	115.3	102.8	99.5	97.0	100.3
92.5°	303.3	252.9	207.4	173.3	148.0	127.7	116.1	103.8	100.4	98.2	101.2
95°	302.3	254.5	209.3	174.9	149.3	128.5	116.9	104.9	101.3	99.3	102.2
97.5°	301.2	256.2	211.1	176.6	150.6	129.5	117.8	106.0	102.2	100.5	103.0
100°	298.3	257.9	213.0	178.3	152.0	130.5	118.8	107.3	103.2	101.7	103.9
102.5°	296.4	257.4	214.8	179.9	153.4	131.6	119.8	108.6	104.2	102.9	104.7
105°	294.4	258.2	216.7	181.6	154.9	132.9	120.9	110.0	105.3	104.1	105.6
107.5°	292.4	258.8	216.9	183.3	156.4	134.2	122.1	111.4	106.4	105.2	106.4
110°	290.4	259.2	218.2	184.9	158.0	135.6	123.3	113.0	107.5	106.3	107.3



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	287.2	259.0	219.4	186.6	159.7	137.1	124.4	114.2	108.2	106.1	106.1
115°	267.0	241.3	206.3	177.4	154.1	134.6	123.1	113.6	106.7	103.3	101.8
117.5°	246.9	223.8	193.3	168.2	148.5	131.9	121.7	113.0	105.5	100.7	97.9
120°	227.1	206.5	180.4	158.9	142.8	129.1	120.3	112.4	104.5	98.5	94.5
122.5°	207.4	189.4	167.5	149.7	137.0	126.1	118.7	111.8	103.9	96.7	91.5
125°	188.0	172.7	154.9	140.5	131.0	122.9	116.9	111.3	103.5	95.6	89.3
127.5°	168.8	156.2	142.4	131.3	124.8	119.4	115.0	110.7	103.4	95.0	87.5
130°	150.1	140.2	130.0	122.0	118.5	115.5	113.0	110.2	103.3	94.9	86.4
132.5°	131.6	124.6	117.8	112.8	112.0	111.4	110.7	109.2	103.2	95.2	85.9
135°	114.5	109.7	105.9	103.6	105.3	106.7	107.6	106.3	101.1	93.4	83.6
137.5°	106.1	101.2	97.5	94.9	96.3	97.5	98.4	97.2	93.5	87.9	79.0
140°	97.6	92.6	89.0	86.3	87.3	88.2	89.0	88.1	85.7	80.7	74.0
142.5°	88.9	84.0	80.4	77.6	78.4	79.0	79.5	78.9	77.7	73.4	68.5
145°	80.1	75.2	71.9	69.0	69.5	69.8	70.2	69.7	68.6	65.8	62.3
147.5°	71.2	66.4	63.3	60.3	60.6	60.7	60.8	60.6	59.6	57.8	54.9
150°	62.2	57.5	54.7	51.7	51.7	51.6	51.6	51.4	50.5	49.4	47.2
152.5°	53.0	48.8	46.0	43.0	42.9	42.6	42.4	42.1	41.4	40.4	39.0
155°	43.7	40.0	37.3	34.4	34.1	33.7	33.3	32.9	32.2	31.4	30.3
157.5°	34.7	31.3	28.5	25.7	25.4	25.0	24.7	24.6	24.4	24.1	23.9
160°	30.5	28.0	25.4	22.8	22.6	22.3	22.0	21.8	21.6	21.4	21.2
162.5°	26.7	24.5	22.3	20.0	19.8	19.5	19.3	19.1	18.9	18.7	18.5
165°	23.0	21.1	19.1	17.1	17.0	16.8	16.6	16.4	16.2	16.1	15.9
167.5°	19.2	17.6	16.0	14.3	14.2	14.0	13.9	13.7	13.5	13.4	13.2
170°	15.5	14.1	12.8	11.4	11.3	11.3	11.1	11.0	10.9	10.7	10.6
172.5°	11.6	10.6	9.6	8.6	8.5	8.5	8.4	8.3	8.2	8.1	7.9
175°	7.8	7.1	6.4	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3
177.5°	3.9	3.6	3.2	2.9	2.8	2.8	2.8	2.8	2.8	2.7	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: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
5°	5.3	5.2	5.0	4.9	4.8	4.7	4.5	4.4	4.2	4.1	3.9
7.5°	7.8	7.7	7.5	7.4	7.2	7.0	6.8	6.6	6.4	6.1	5.9
10°	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.8	8.5	8.2	7.9
12.5°	13.0	12.8	12.6	12.3	12.0	11.7	11.4	11.0	10.7	10.3	9.9
15°	15.6	15.4	15.1	14.8	14.5	14.1	13.7	13.3	12.8	12.4	11.8
17.5°	18.3	18.0	17.6	17.3	16.9	16.5	16.0	15.4	14.8	14.1	13.5
20°	20.9	20.6	20.2	19.8	19.4	18.7	18.0	17.3	16.6	16.0	15.4
22.5°	23.5	23.2	22.8	22.3	21.5	20.7	20.0	19.4	18.8	18.1	17.4
25°	29.0	27.7	26.1	24.4	23.6	22.9	22.3	21.7	21.0	20.2	19.5
27.5°	37.2	35.3	32.8	30.5	28.6	26.9	25.3	23.9	23.2	22.2	21.1
30°	44.9	41.7	38.6	36.0	33.6	31.4	29.5	27.7	25.8	24.1	22.7
32.5°	51.5	47.4	43.8	40.6	37.7	35.1	32.7	30.4	28.3	26.4	24.7
35°	57.2	52.4	48.2	44.4	41.1	38.0	35.1	32.5	30.3	28.3	26.8
37.5°	62.3	56.9	51.9	47.7	43.7	40.1	36.9	34.3	32.0	30.2	28.5
40°	66.9	60.8	55.2	50.2	45.8	41.8	38.6	35.9	33.8	31.7	29.7
42.5°	71.2	64.0	57.9	52.3	47.3	43.5	40.1	37.5	35.2	32.9	30.9
45°	74.9	67.0	60.0	54.0	49.0	44.8	41.7	38.9	36.3	34.1	32.0
47.5°	77.4	69.5	62.0	55.3	50.5	46.4	43.0	40.1	37.5	35.2	33.2
50°	78.6	71.6	64.9	58.7	53.1	48.0	44.3	41.3	38.8	36.6	34.5
52.5°	80.8	74.6	68.8	63.8	58.7	53.6	48.7	44.2	40.1	38.0	35.9
55°	83.7	78.5	73.6	69.5	64.6	59.5	54.4	49.7	45.4	41.3	37.4
57.5°	87.2	83.1	79.3	75.7	70.7	65.4	60.1	55.0	50.2	45.6	40.8
60°	91.2	88.2	85.6	82.0	76.9	71.2	65.6	59.9	54.5	49.1	43.8
62.5°	95.9	93.9	92.5	88.5	83.0	77.0	70.9	64.5	58.5	52.1	46.6
65°	101.0	100.2	99.7	95.1	89.1	82.7	75.8	68.8	61.8	54.8	48.9
67.5°	106.5	106.9	106.4	101.8	95.4	88.4	80.6	72.8	64.9	57.4	50.8
70°	109.0	111.1	111.5	107.8	101.4	93.8	85.1	76.6	67.7	59.7	52.5
72.5°	108.5	110.9	111.1	107.8	102.6	95.9	87.9	79.5	70.4	61.8	54.2
75°	107.9	110.7	110.9	108.3	103.5	96.9	89.1	80.7	71.9	63.5	55.7
77.5°	107.4	110.4	111.1	109.1	104.8	98.3	90.7	82.4	73.8	65.3	57.2
80°	106.9	110.1	111.4	110.2	106.3	100.0	92.5	84.5	76.0	67.2	58.8
82.5°	106.3	109.8	111.9	111.5	108.1	102.0	94.7	86.9	78.5	69.4	60.7
85°	105.8	109.5	112.5	113.0	110.1	104.3	97.2	89.7	81.3	71.9	62.8
87.5°	105.2	109.1	113.0	114.5	112.2	106.7	99.9	92.8	84.4	74.7	65.2
90°	104.5	108.6	113.6	116.1	114.4	109.4	102.8	96.2	87.9	77.9	68.0
92.5°	105.2	109.1	113.0	114.5	112.2	106.7	99.9	92.8	84.4	74.7	65.2
95°	105.8	109.5	112.5	113.0	110.1	104.3	97.2	89.7	81.3	71.9	62.8
97.5°	106.3	109.8	111.9	111.5	108.1	102.0	94.7	86.9	78.5	69.4	60.7
100°	106.9	110.1	111.4	110.2	106.3	100.0	92.5	84.5	76.0	67.2	58.8
102.5°	107.4	110.4	111.1	109.1	104.8	98.3	90.7	82.4	73.8	65.3	57.2
105°	107.9	110.7	110.9	108.3	103.5	96.9	89.1	80.7	71.9	63.5	55.7
107.5°	108.5	110.9	111.1	107.8	102.6	95.9	87.9	79.5	70.4	61.8	54.2
110°	109.0	111.1	111.5	107.8	101.4	93.8	85.1	76.6	67.7	59.7	52.5



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	106.5	106.9	106.4	101.8	95.4	88.4	80.6	72.8	64.9	57.4	50.8
115°	101.0	100.2	99.7	95.1	89.1	82.7	75.8	68.8	61.8	54.8	48.9
117.5°	95.9	93.9	92.5	88.5	83.0	77.0	70.9	64.5	58.5	52.1	46.6
120°	91.2	88.2	85.6	82.0	76.9	71.2	65.6	59.9	54.5	49.1	43.8
122.5°	87.2	83.1	79.3	75.7	70.7	65.4	60.1	55.0	50.2	45.6	40.8
125°	83.7	78.5	73.6	69.5	64.6	59.5	54.4	49.7	45.4	41.3	37.4
127.5°	80.8	74.6	68.8	63.8	58.7	53.6	48.7	44.2	40.1	38.0	35.9
130°	78.6	71.6	64.9	58.7	53.1	48.0	44.3	41.3	38.8	36.6	34.5
132.5°	77.4	69.5	62.0	55.3	50.5	46.4	43.0	40.1	37.5	35.2	33.2
135°	74.9	67.0	60.0	54.0	49.0	44.8	41.7	38.9	36.3	34.1	32.0
137.5°	71.2	64.0	57.9	52.3	47.3	43.5	40.1	37.5	35.2	32.9	30.9
140°	66.9	60.8	55.2	50.2	45.8	41.8	38.6	35.9	33.8	31.7	29.7
142.5°	62.3	56.9	51.9	47.7	43.7	40.1	36.9	34.3	32.0	30.2	28.5
145°	57.2	52.4	48.2	44.4	41.1	38.0	35.1	32.5	30.3	28.3	26.8
147.5°	51.5	47.4	43.8	40.6	37.7	35.1	32.7	30.4	28.3	26.4	24.7
150°	44.9	41.7	38.6	36.0	33.6	31.4	29.5	27.7	25.8	24.1	22.7
152.5°	37.2	35.3	32.8	30.5	28.6	26.9	25.3	23.9	23.2	22.2	21.1
155°	29.0	27.7	26.1	24.4	23.6	22.9	22.3	21.7	21.0	20.2	19.5
157.5°	23.5	23.2	22.8	22.3	21.5	20.7	20.0	19.4	18.8	18.1	17.4
160°	20.9	20.6	20.2	19.8	19.4	18.7	18.0	17.3	16.6	16.0	15.4
162.5°	18.3	18.0	17.6	17.3	16.9	16.5	16.0	15.4	14.8	14.1	13.5
165°	15.6	15.4	15.1	14.8	14.5	14.1	13.7	13.3	12.8	12.4	11.8
167.5°	13.0	12.8	12.6	12.3	12.0	11.7	11.4	11.0	10.7	10.3	9.9
170°	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.8	8.5	8.2	7.9
172.5°	7.8	7.7	7.5	7.4	7.2	7.0	6.8	6.6	6.4	6.1	5.9
175°	5.3	5.2	5.0	4.9	4.8	4.7	4.5	4.4	4.2	4.1	3.9
177.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.9	0.8
5°	3.7	3.6	3.4	3.2	3.0	2.8	2.6	2.3	2.1	1.9	1.7
7.5°	5.6	5.4	5.1	4.8	4.5	4.2	3.8	3.5	3.2	2.9	2.5
10°	7.5	7.2	6.8	6.4	6.0	5.6	5.2	4.7	4.3	3.8	3.4
12.5°	9.4	9.0	8.5	8.0	7.5	6.9	6.4	5.8	5.2	4.7	4.1
15°	11.2	10.6	10.0	9.4	8.7	8.1	7.5	6.9	6.2	5.6	4.9
17.5°	12.8	12.2	11.6	10.9	10.3	9.6	8.8	8.1	7.3	6.6	5.8
20°	14.7	14.0	13.3	12.6	11.8	11.0	10.2	9.3	8.4	7.4	6.5
22.5°	16.7	15.9	15.1	14.1	13.1	12.2	11.2	10.2	9.2	8.2	7.2
25°	18.5	17.5	16.4	15.4	14.3	13.3	12.2	11.1	10.1	9.0	7.9
27.5°	20.0	18.9	17.8	16.6	15.6	14.5	13.5	12.4	11.2	9.9	8.7
30°	21.5	20.3	19.3	18.2	17.2	15.9	14.6	13.3	12.0	10.6	9.3
32.5°	23.3	22.2	21.0	19.7	18.3	16.9	15.5	14.1	12.7	11.2	9.7
35°	25.4	23.8	22.3	20.8	19.3	17.8	16.2	14.5	12.9	11.4	10.0
37.5°	26.7	25.0	23.4	21.8	20.0	18.2	16.5	15.0	13.4	11.9	10.4
40°	27.9	26.1	24.3	22.4	20.5	18.8	17.2	15.6	14.0	12.5	10.9
42.5°	29.0	27.0	25.0	23.2	21.5	19.7	18.0	16.3	14.6	13.0	11.3
45°	30.0	28.0	26.1	24.2	22.3	20.4	18.7	16.9	15.2	13.5	11.8
47.5°	31.2	29.2	27.1	25.0	23.1	21.2	19.4	17.5	15.8	13.9	12.1
50°	32.4	30.2	27.9	25.9	23.9	21.8	19.9	18.0	16.2	14.4	12.5
52.5°	33.5	31.0	28.9	26.7	24.4	22.4	20.4	18.5	16.6	14.8	12.9
55°	34.3	32.1	29.8	27.2	25.0	23.0	21.0	19.0	17.0	15.1	13.2
57.5°	36.7	33.3	30.3	27.9	25.8	23.7	21.5	19.5	17.4	15.4	13.4
60°	39.5	35.3	31.6	28.8	26.5	24.3	22.1	19.9	17.7	15.5	13.3
62.5°	41.6	37.0	33.2	30.1	27.3	24.9	22.6	20.1	17.7	15.2	12.8
65°	43.3	38.5	34.5	31.0	27.9	25.4	22.9	20.1	17.4	14.7	12.3
67.5°	44.8	39.8	35.4	31.5	28.2	25.3	22.5	19.9	16.8	14.0	11.6
70°	46.2	40.8	36.1	31.7	28.1	24.9	21.8	18.8	15.8	13.3	10.8
72.5°	47.5	41.7	36.4	31.8	27.9	24.4	21.0	17.6	15.0	12.5	10.1
75°	48.7	42.5	36.7	31.7	27.7	23.9	20.1	17.0	14.3	11.6	9.1
77.5°	49.9	43.2	37.0	31.8	27.5	23.3	19.3	16.7	13.7	10.7	8.2
80°	51.2	44.1	37.5	32.0	27.2	22.7	19.1	16.5	13.1	10.0	7.3
82.5°	52.7	45.1	38.2	32.2	26.9	22.1	18.4	15.3	12.3	9.2	6.4
85°	54.5	46.3	39.0	32.5	26.8	21.6	17.6	14.3	11.4	8.5	6.1
87.5°	56.5	47.8	40.0	33.1	26.9	21.4	17.0	13.7	10.9	8.2	6.1
90°	58.9	49.7	41.5	34.0	27.4	21.6	16.6	13.3	10.8	8.3	6.6
92.5°	56.5	47.8	40.0	33.1	26.9	21.4	17.0	13.7	10.9	8.2	6.1
95°	54.5	46.3	39.0	32.5	26.8	21.6	17.6	14.3	11.4	8.5	6.1
97.5°	52.7	45.1	38.2	32.2	26.9	22.1	18.4	15.3	12.3	9.2	6.4
100°	51.2	44.1	37.5	32.0	27.2	22.7	19.1	16.5	13.1	10.0	7.3
102.5°	49.9	43.2	37.0	31.8	27.5	23.3	19.3	16.7	13.7	10.7	8.2
105°	48.7	42.5	36.7	31.7	27.7	23.9	20.1	17.0	14.3	11.6	9.1
107.5°	47.5	41.7	36.4	31.8	27.9	24.4	21.0	17.6	15.0	12.5	10.1
110°	46.2	40.8	36.1	31.7	28.1	24.9	21.8	18.8	15.8	13.3	10.8



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	44.8	39.8	35.4	31.5	28.2	25.3	22.5	19.9	16.8	14.0	11.6
115°	43.3	38.5	34.5	31.0	27.9	25.4	22.9	20.1	17.4	14.7	12.3
117.5°	41.6	37.0	33.2	30.1	27.3	24.9	22.6	20.1	17.7	15.2	12.8
120°	39.5	35.3	31.6	28.8	26.5	24.3	22.1	19.9	17.7	15.5	13.3
122.5°	36.7	33.3	30.3	27.9	25.8	23.7	21.5	19.5	17.4	15.4	13.4
125°	34.3	32.1	29.8	27.2	25.0	23.0	21.0	19.0	17.0	15.1	13.2
127.5°	33.5	31.0	28.9	26.7	24.4	22.4	20.4	18.5	16.6	14.8	12.9
130°	32.4	30.2	27.9	25.9	23.9	21.8	19.9	18.0	16.2	14.4	12.5
132.5°	31.2	29.2	27.1	25.0	23.1	21.2	19.4	17.5	15.8	13.9	12.1
135°	30.0	28.0	26.1	24.2	22.3	20.4	18.7	16.9	15.2	13.5	11.8
137.5°	29.0	27.0	25.0	23.2	21.5	19.7	18.0	16.3	14.6	13.0	11.3
140°	27.9	26.1	24.3	22.4	20.5	18.8	17.2	15.6	14.0	12.5	10.9
142.5°	26.7	25.0	23.4	21.8	20.0	18.2	16.5	15.0	13.4	11.9	10.4
145°	25.4	23.8	22.3	20.8	19.3	17.8	16.2	14.5	12.9	11.4	10.0
147.5°	23.3	22.2	21.0	19.7	18.3	16.9	15.5	14.1	12.7	11.2	9.7
150°	21.5	20.3	19.3	18.2	17.2	15.9	14.6	13.3	12.0	10.6	9.3
152.5°	20.0	18.9	17.8	16.6	15.6	14.5	13.5	12.4	11.2	9.9	8.7
155°	18.5	17.5	16.4	15.4	14.3	13.3	12.2	11.1	10.1	9.0	7.9
157.5°	16.7	15.9	15.1	14.1	13.1	12.2	11.2	10.2	9.2	8.2	7.2
160°	14.7	14.0	13.3	12.6	11.8	11.0	10.2	9.3	8.4	7.4	6.5
162.5°	12.8	12.2	11.6	10.9	10.3	9.6	8.8	8.1	7.3	6.6	5.8
165°	11.2	10.6	10.0	9.4	8.7	8.1	7.5	6.9	6.2	5.6	4.9
167.5°	9.4	9.0	8.5	8.0	7.5	6.9	6.4	5.8	5.2	4.7	4.1
170°	7.5	7.2	6.8	6.4	6.0	5.6	5.2	4.7	4.3	3.8	3.4
172.5°	5.6	5.4	5.1	4.8	4.5	4.2	3.8	3.5	3.2	2.9	2.5
175°	3.7	3.6	3.4	3.2	3.0	2.8	2.6	2.3	2.1	1.9	1.7
177.5°	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	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: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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	0.5	0.4	0.2	0.1	0.0	0.1	0.2	0.4	0.5
5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0	0.2	0.5	0.7	1.0
7.5°	2.2	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
10°	2.9	2.4	1.9	1.5	1.0	0.5	0.0	0.5	1.0	1.5	1.9
12.5°	3.5	2.9	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
15°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
17.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
20°	5.6	4.7	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
22.5°	6.2	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
25°	6.9	5.7	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
27.5°	7.5	6.2	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
30°	8.0	6.6	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
32.5°	8.3	6.9	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
35°	8.5	7.1	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
37.5°	8.9	7.4	5.9	4.5	3.0	1.5	0.0	1.5	3.0	4.5	5.9
40°	9.3	7.8	6.2	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.2
42.5°	9.7	8.1	6.5	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.5
45°	10.1	8.3	6.7	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.7
47.5°	10.4	8.6	6.9	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.9
50°	10.7	8.9	7.1	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.1
52.5°	11.0	9.1	7.3	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.3
55°	11.2	9.3	7.4	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.4
57.5°	11.5	9.4	7.3	5.4	3.5	1.7	0.0	1.7	3.5	5.4	7.3
60°	11.1	9.0	7.1	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.1
62.5°	10.8	9.1	7.0	5.1	3.3	1.6	0.0	1.6	3.3	5.1	7.0
65°	10.2	8.3	6.4	4.5	2.9	1.4	0.0	1.4	2.9	4.5	6.4
67.5°	9.4	7.4	5.7	4.3	3.0	1.9	0.8	1.9	3.0	4.3	5.7
70°	8.5	6.7	5.3	4.1	2.9	1.8	0.8	1.8	2.9	4.1	5.3
72.5°	7.8	6.2	4.8	3.8	2.7	1.7	0.8	1.7	2.7	3.8	4.8
75°	7.2	5.5	4.0	3.1	2.4	1.5	0.8	1.5	2.4	3.1	4.0
77.5°	6.2	4.2	3.0	2.0	0.9	0.2	0.0	0.2	0.9	2.0	3.0
80°	5.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
82.5°	4.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
102.5°	6.2	4.2	3.0	2.0	0.9	0.2	0.0	0.2	0.9	2.0	3.0
105°	7.2	5.5	4.0	3.1	2.4	1.5	0.8	1.5	2.4	3.1	4.0
107.5°	7.8	6.2	4.8	3.8	2.7	1.7	0.8	1.7	2.7	3.8	4.8
110°	8.5	6.7	5.3	4.1	2.9	1.8	0.8	1.8	2.9	4.1	5.3



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	9.4	7.4	5.7	4.3	3.0	1.9	0.8	1.9	3.0	4.3	5.7
115°	10.2	8.3	6.4	4.5	2.9	1.4	0.0	1.4	2.9	4.5	6.4
117.5°	10.8	9.1	7.0	5.1	3.3	1.6	0.0	1.6	3.3	5.1	7.0
120°	11.1	9.0	7.1	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.1
122.5°	11.5	9.4	7.3	5.4	3.5	1.7	0.0	1.7	3.5	5.4	7.3
125°	11.2	9.3	7.4	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.4
127.5°	11.0	9.1	7.3	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.3
130°	10.7	8.9	7.1	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.1
132.5°	10.4	8.6	6.9	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.9
135°	10.1	8.3	6.7	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.7
137.5°	9.7	8.1	6.5	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.5
140°	9.3	7.8	6.2	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.2
142.5°	8.9	7.4	5.9	4.5	3.0	1.5	0.0	1.5	3.0	4.5	5.9
145°	8.5	7.1	5.7	4.3	2.8	1.4	0.0	1.4	2.8	4.3	5.7
147.5°	8.3	6.9	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
150°	8.0	6.6	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
152.5°	7.5	6.2	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
155°	6.9	5.7	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
157.5°	6.2	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
160°	5.6	4.7	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
162.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
165°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
167.5°	3.5	2.9	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
170°	2.9	2.4	1.9	1.5	1.0	0.5	0.0	0.5	1.0	1.5	1.9
172.5°	2.2	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
175°	1.4	1.2	1.0	0.7	0.5	0.2	0.0	0.2	0.5	0.7	1.0
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: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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	1.1	1.2	1.3	1.4	1.5	1.6	1.7
5°	1.2	1.4	1.7	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4
7.5°	1.8	2.2	2.5	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.1
10°	2.4	2.9	3.4	3.8	4.3	4.7	5.2	5.6	6.0	6.4	6.8
12.5°	2.9	3.5	4.1	4.7	5.2	5.8	6.4	6.9	7.5	8.0	8.5
15°	3.5	4.2	4.9	5.6	6.2	6.9	7.5	8.1	8.7	9.4	10.0
17.5°	4.2	5.0	5.8	6.6	7.3	8.1	8.8	9.6	10.3	10.9	11.6
20°	4.7	5.6	6.5	7.4	8.4	9.3	10.2	11.0	11.8	12.6	13.3
22.5°	5.1	6.2	7.2	8.2	9.2	10.2	11.2	12.2	13.1	14.1	15.1
25°	5.7	6.9	7.9	9.0	10.1	11.1	12.2	13.3	14.3	15.4	16.4
27.5°	6.2	7.5	8.7	9.9	11.2	12.4	13.5	14.5	15.6	16.6	17.8
30°	6.6	8.0	9.3	10.6	12.0	13.3	14.6	15.9	17.2	18.2	19.3
32.5°	6.9	8.3	9.7	11.2	12.7	14.1	15.5	16.9	18.3	19.7	21.0
35°	7.1	8.5	10.0	11.4	12.9	14.5	16.2	17.8	19.3	20.8	22.3
37.5°	7.4	8.9	10.4	11.9	13.4	15.0	16.5	18.2	20.0	21.8	23.4
40°	7.8	9.3	10.9	12.5	14.0	15.6	17.2	18.8	20.5	22.4	24.3
42.5°	8.1	9.7	11.3	13.0	14.6	16.3	18.0	19.7	21.5	23.2	25.0
45°	8.3	10.1	11.8	13.5	15.2	16.9	18.7	20.4	22.3	24.2	26.1
47.5°	8.6	10.4	12.1	13.9	15.8	17.5	19.4	21.2	23.1	25.0	27.1
50°	8.9	10.7	12.5	14.4	16.2	18.0	19.9	21.8	23.9	25.9	27.9
52.5°	9.1	11.0	12.9	14.8	16.6	18.5	20.4	22.4	24.4	26.7	28.9
55°	9.3	11.2	13.2	15.1	17.0	19.0	21.0	23.0	25.0	27.2	29.8
57.5°	9.4	11.5	13.4	15.4	17.4	19.5	21.5	23.7	25.8	27.9	30.3
60°	9.0	11.1	13.3	15.5	17.7	19.9	22.1	24.3	26.5	28.8	31.6
62.5°	9.1	10.8	12.8	15.2	17.7	20.1	22.6	24.9	27.3	30.1	33.2
65°	8.3	10.2	12.3	14.7	17.4	20.1	22.9	25.4	27.9	31.0	34.5
67.5°	7.4	9.4	11.6	14.0	16.8	19.9	22.5	25.3	28.2	31.5	35.4
70°	6.7	8.5	10.8	13.3	15.8	18.8	21.8	24.9	28.1	31.7	36.1
72.5°	6.2	7.8	10.1	12.5	15.0	17.6	21.0	24.4	27.9	31.8	36.4
75°	5.5	7.2	9.1	11.6	14.3	17.0	20.1	23.9	27.7	31.7	36.7
77.5°	4.2	6.2	8.2	10.7	13.7	16.7	19.3	23.3	27.5	31.8	37.0
80°	3.2	5.0	7.3	10.0	13.1	16.5	19.1	22.7	27.2	32.0	37.5
82.5°	2.0	4.1	6.4	9.2	12.3	15.3	18.4	22.1	26.9	32.2	38.2
85°	1.0	3.6	6.1	8.5	11.4	14.3	17.6	21.6	26.8	32.5	39.0
87.5°	0.3	3.6	6.1	8.2	10.9	13.7	17.0	21.4	26.9	33.1	40.0
90°	0.0	4.1	6.6	8.3	10.8	13.3	16.6	21.6	27.4	34.0	41.5
92.5°	0.3	3.6	6.1	8.2	10.9	13.7	17.0	21.4	26.9	33.1	40.0
95°	1.0	3.6	6.1	8.5	11.4	14.3	17.6	21.6	26.8	32.5	39.0
97.5°	2.0	4.1	6.4	9.2	12.3	15.3	18.4	22.1	26.9	32.2	38.2
100°	3.2	5.0	7.3	10.0	13.1	16.5	19.1	22.7	27.2	32.0	37.5
102.5°	4.2	6.2	8.2	10.7	13.7	16.7	19.3	23.3	27.5	31.8	37.0
105°	5.5	7.2	9.1	11.6	14.3	17.0	20.1	23.9	27.7	31.7	36.7
107.5°	6.2	7.8	10.1	12.5	15.0	17.6	21.0	24.4	27.9	31.8	36.4
110°	6.7	8.5	10.8	13.3	15.8	18.8	21.8	24.9	28.1	31.7	36.1



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	7.4	9.4	11.6	14.0	16.8	19.9	22.5	25.3	28.2	31.5	35.4
115°	8.3	10.2	12.3	14.7	17.4	20.1	22.9	25.4	27.9	31.0	34.5
117.5°	9.1	10.8	12.8	15.2	17.7	20.1	22.6	24.9	27.3	30.1	33.2
120°	9.0	11.1	13.3	15.5	17.7	19.9	22.1	24.3	26.5	28.8	31.6
122.5°	9.4	11.5	13.4	15.4	17.4	19.5	21.5	23.7	25.8	27.9	30.3
125°	9.3	11.2	13.2	15.1	17.0	19.0	21.0	23.0	25.0	27.2	29.8
127.5°	9.1	11.0	12.9	14.8	16.6	18.5	20.4	22.4	24.4	26.7	28.9
130°	8.9	10.7	12.5	14.4	16.2	18.0	19.9	21.8	23.9	25.9	27.9
132.5°	8.6	10.4	12.1	13.9	15.8	17.5	19.4	21.2	23.1	25.0	27.1
135°	8.3	10.1	11.8	13.5	15.2	16.9	18.7	20.4	22.3	24.2	26.1
137.5°	8.1	9.7	11.3	13.0	14.6	16.3	18.0	19.7	21.5	23.2	25.0
140°	7.8	9.3	10.9	12.5	14.0	15.6	17.2	18.8	20.5	22.4	24.3
142.5°	7.4	8.9	10.4	11.9	13.4	15.0	16.5	18.2	20.0	21.8	23.4
145°	7.1	8.5	10.0	11.4	12.9	14.5	16.2	17.8	19.3	20.8	22.3
147.5°	6.9	8.3	9.7	11.2	12.7	14.1	15.5	16.9	18.3	19.7	21.0
150°	6.6	8.0	9.3	10.6	12.0	13.3	14.6	15.9	17.2	18.2	19.3
152.5°	6.2	7.5	8.7	9.9	11.2	12.4	13.5	14.5	15.6	16.6	17.8
155°	5.7	6.9	7.9	9.0	10.1	11.1	12.2	13.3	14.3	15.4	16.4
157.5°	5.1	6.2	7.2	8.2	9.2	10.2	11.2	12.2	13.1	14.1	15.1
160°	4.7	5.6	6.5	7.4	8.4	9.3	10.2	11.0	11.8	12.6	13.3
162.5°	4.2	5.0	5.8	6.6	7.3	8.1	8.8	9.6	10.3	10.9	11.6
165°	3.5	4.2	4.9	5.6	6.2	6.9	7.5	8.1	8.7	9.4	10.0
167.5°	2.9	3.5	4.1	4.7	5.2	5.8	6.4	6.9	7.5	8.0	8.5
170°	2.4	2.9	3.4	3.8	4.3	4.7	5.2	5.6	6.0	6.4	6.8
172.5°	1.8	2.2	2.5	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.1
175°	1.2	1.4	1.7	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4
177.5°	0.6	0.7	0.8	0.9	1.1	1.2	1.3	1.4	1.5	1.6	1.7
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: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
5°	3.6	3.7	3.9	4.1	4.2	4.4	4.5	4.7	4.8	4.9	5.0
7.5°	5.4	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.5
10°	7.2	7.5	7.9	8.2	8.5	8.8	9.1	9.4	9.6	9.8	10.0
12.5°	9.0	9.4	9.9	10.3	10.7	11.0	11.4	11.7	12.0	12.3	12.6
15°	10.6	11.2	11.8	12.4	12.8	13.3	13.7	14.1	14.5	14.8	15.1
17.5°	12.2	12.8	13.5	14.1	14.8	15.4	16.0	16.5	16.9	17.3	17.6
20°	14.0	14.7	15.4	16.0	16.6	17.3	18.0	18.7	19.4	19.8	20.2
22.5°	15.9	16.7	17.4	18.1	18.8	19.4	20.0	20.7	21.5	22.3	22.8
25°	17.5	18.5	19.5	20.2	21.0	21.7	22.3	22.9	23.6	24.4	26.1
27.5°	18.9	20.0	21.1	22.2	23.2	23.9	25.3	26.9	28.6	30.5	32.8
30°	20.3	21.5	22.7	24.1	25.8	27.7	29.5	31.4	33.6	36.0	38.6
32.5°	22.2	23.3	24.7	26.4	28.3	30.4	32.7	35.1	37.7	40.6	43.8
35°	23.8	25.4	26.8	28.3	30.3	32.5	35.1	38.0	41.1	44.4	48.2
37.5°	25.0	26.7	28.5	30.2	32.0	34.3	36.9	40.1	43.7	47.7	51.9
40°	26.1	27.9	29.7	31.7	33.8	35.9	38.6	41.8	45.8	50.2	55.2
42.5°	27.0	29.0	30.9	32.9	35.2	37.5	40.1	43.5	47.3	52.3	57.9
45°	28.0	30.0	32.0	34.1	36.3	38.9	41.7	44.8	49.0	54.0	60.0
47.5°	29.2	31.2	33.2	35.2	37.5	40.1	43.0	46.4	50.5	55.3	62.0
50°	30.2	32.4	34.5	36.6	38.8	41.3	44.3	48.0	53.1	58.7	64.9
52.5°	31.0	33.5	35.9	38.0	40.1	44.2	48.7	53.6	58.7	63.8	68.8
55°	32.1	34.3	37.4	41.3	45.4	49.7	54.4	59.5	64.6	69.5	73.6
57.5°	33.3	36.7	40.8	45.6	50.2	55.0	60.1	65.4	70.7	75.7	79.3
60°	35.3	39.5	43.8	49.1	54.5	59.9	65.6	71.2	76.9	82.0	85.6
62.5°	37.0	41.6	46.6	52.1	58.5	64.5	70.9	77.0	83.0	88.5	92.5
65°	38.5	43.3	48.9	54.8	61.8	68.8	75.8	82.7	89.1	95.1	99.7
67.5°	39.8	44.8	50.8	57.4	64.9	72.8	80.6	88.4	95.4	101.8	106.4
70°	40.8	46.2	52.5	59.7	67.7	76.6	85.1	93.8	101.4	107.8	111.5
72.5°	41.7	47.5	54.2	61.8	70.4	79.5	87.9	95.9	102.6	107.8	111.1
75°	42.5	48.7	55.7	63.5	71.9	80.7	89.1	96.9	103.5	108.3	110.9
77.5°	43.2	49.9	57.2	65.3	73.8	82.4	90.7	98.3	104.8	109.1	111.1
80°	44.1	51.2	58.8	67.2	76.0	84.5	92.5	100.0	106.3	110.2	111.4
82.5°	45.1	52.7	60.7	69.4	78.5	86.9	94.7	102.0	108.1	111.5	111.9
85°	46.3	54.5	62.8	71.9	81.3	89.7	97.2	104.3	110.1	113.0	112.5
87.5°	47.8	56.5	65.2	74.7	84.4	92.8	99.9	106.7	112.2	114.5	113.0
90°	49.7	58.9	68.0	77.9	87.9	96.2	102.8	109.4	114.4	116.1	113.6
92.5°	47.8	56.5	65.2	74.7	84.4	92.8	99.9	106.7	112.2	114.5	113.0
95°	46.3	54.5	62.8	71.9	81.3	89.7	97.2	104.3	110.1	113.0	112.5
97.5°	45.1	52.7	60.7	69.4	78.5	86.9	94.7	102.0	108.1	111.5	111.9
100°	44.1	51.2	58.8	67.2	76.0	84.5	92.5	100.0	106.3	110.2	111.4
102.5°	43.2	49.9	57.2	65.3	73.8	82.4	90.7	98.3	104.8	109.1	111.1
105°	42.5	48.7	55.7	63.5	71.9	80.7	89.1	96.9	103.5	108.3	110.9
107.5°	41.7	47.5	54.2	61.8	70.4	79.5	87.9	95.9	102.6	107.8	111.1
110°	40.8	46.2	52.5	59.7	67.7	76.6	85.1	93.8	101.4	107.8	111.5



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	39.8	44.8	50.8	57.4	64.9	72.8	80.6	88.4	95.4	101.8	106.4
115°	38.5	43.3	48.9	54.8	61.8	68.8	75.8	82.7	89.1	95.1	99.7
117.5°	37.0	41.6	46.6	52.1	58.5	64.5	70.9	77.0	83.0	88.5	92.5
120°	35.3	39.5	43.8	49.1	54.5	59.9	65.6	71.2	76.9	82.0	85.6
122.5°	33.3	36.7	40.8	45.6	50.2	55.0	60.1	65.4	70.7	75.7	79.3
125°	32.1	34.3	37.4	41.3	45.4	49.7	54.4	59.5	64.6	69.5	73.6
127.5°	31.0	33.5	35.9	38.0	40.1	44.2	48.7	53.6	58.7	63.8	68.8
130°	30.2	32.4	34.5	36.6	38.8	41.3	44.3	48.0	53.1	58.7	64.9
132.5°	29.2	31.2	33.2	35.2	37.5	40.1	43.0	46.4	50.5	55.3	62.0
135°	28.0	30.0	32.0	34.1	36.3	38.9	41.7	44.8	49.0	54.0	60.0
137.5°	27.0	29.0	30.9	32.9	35.2	37.5	40.1	43.5	47.3	52.3	57.9
140°	26.1	27.9	29.7	31.7	33.8	35.9	38.6	41.8	45.8	50.2	55.2
142.5°	25.0	26.7	28.5	30.2	32.0	34.3	36.9	40.1	43.7	47.7	51.9
145°	23.8	25.4	26.8	28.3	30.3	32.5	35.1	38.0	41.1	44.4	48.2
147.5°	22.2	23.3	24.7	26.4	28.3	30.4	32.7	35.1	37.7	40.6	43.8
150°	20.3	21.5	22.7	24.1	25.8	27.7	29.5	31.4	33.6	36.0	38.6
152.5°	18.9	20.0	21.1	22.2	23.2	23.9	25.3	26.9	28.6	30.5	32.8
155°	17.5	18.5	19.5	20.2	21.0	21.7	22.3	22.9	23.6	24.4	26.1
157.5°	15.9	16.7	17.4	18.1	18.8	19.4	20.0	20.7	21.5	22.3	22.8
160°	14.0	14.7	15.4	16.0	16.6	17.3	18.0	18.7	19.4	19.8	20.2
162.5°	12.2	12.8	13.5	14.1	14.8	15.4	16.0	16.5	16.9	17.3	17.6
165°	10.6	11.2	11.8	12.4	12.8	13.3	13.7	14.1	14.5	14.8	15.1
167.5°	9.0	9.4	9.9	10.3	10.7	11.0	11.4	11.7	12.0	12.3	12.6
170°	7.2	7.5	7.9	8.2	8.5	8.8	9.1	9.4	9.6	9.8	10.0
172.5°	5.4	5.6	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.5
175°	3.6	3.7	3.9	4.1	4.2	4.4	4.5	4.7	4.8	4.9	5.0
177.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.9	3.2
5°	5.2	5.3	5.3	5.4	5.5	5.6	5.6	5.7	5.7	5.7	6.4
7.5°	7.7	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.5	8.6	9.6
10°	10.2	10.4	10.6	10.7	10.9	11.0	11.1	11.3	11.3	11.4	12.8
12.5°	12.8	13.0	13.2	13.4	13.5	13.7	13.9	14.0	14.2	14.3	16.0
15°	15.4	15.6	15.9	16.1	16.2	16.4	16.6	16.8	17.0	17.1	19.1
17.5°	18.0	18.3	18.5	18.7	18.9	19.1	19.3	19.5	19.8	20.0	22.3
20°	20.6	20.9	21.2	21.4	21.6	21.8	22.0	22.3	22.6	22.8	25.4
22.5°	23.2	23.5	23.9	24.1	24.4	24.6	24.7	25.0	25.4	25.7	28.5
25°	27.7	29.0	30.3	31.4	32.2	32.9	33.3	33.7	34.1	34.4	37.3
27.5°	35.3	37.2	39.0	40.4	41.4	42.1	42.4	42.6	42.9	43.0	46.0
30°	41.7	44.9	47.2	49.4	50.5	51.4	51.6	51.6	51.7	51.7	54.7
32.5°	47.4	51.5	54.9	57.8	59.6	60.6	60.8	60.7	60.6	60.3	63.3
35°	52.4	57.2	62.3	65.8	68.6	69.7	70.2	69.8	69.5	69.0	71.9
37.5°	56.9	62.3	68.5	73.4	77.7	78.9	79.5	79.0	78.4	77.6	80.4
40°	60.8	66.9	74.0	80.7	85.7	88.1	89.0	88.2	87.3	86.3	89.0
42.5°	64.0	71.2	79.0	87.9	93.5	97.2	98.4	97.5	96.3	94.9	97.5
45°	67.0	74.9	83.6	93.4	101.1	106.3	107.6	106.7	105.3	103.6	105.9
47.5°	69.5	77.4	85.9	95.2	103.2	109.2	110.7	111.4	112.0	112.8	117.8
50°	71.6	78.6	86.4	94.9	103.3	110.2	113.0	115.5	118.5	122.0	130.0
52.5°	74.6	80.8	87.5	95.0	103.4	110.7	115.0	119.4	124.8	131.3	142.4
55°	78.5	83.7	89.3	95.6	103.5	111.3	116.9	122.9	131.0	140.5	154.9
57.5°	83.1	87.2	91.5	96.7	103.9	111.8	118.7	126.1	137.0	149.7	167.5
60°	88.2	91.2	94.5	98.5	104.5	112.4	120.3	129.1	142.8	158.9	180.4
62.5°	93.9	95.9	97.9	100.7	105.5	113.0	121.7	131.9	148.5	168.2	193.3
65°	100.2	101.0	101.8	103.3	106.7	113.6	123.1	134.6	154.1	177.4	206.3
67.5°	106.9	106.5	106.1	106.1	108.2	114.2	124.4	137.1	159.7	186.6	219.4
70°	111.1	109.0	107.3	106.3	107.5	113.0	123.3	135.6	158.0	184.9	218.2
72.5°	110.9	108.5	106.4	105.2	106.4	111.4	122.1	134.2	156.4	183.3	216.9
75°	110.7	107.9	105.6	104.1	105.3	110.0	120.9	132.9	154.9	181.6	216.7
77.5°	110.4	107.4	104.7	102.9	104.2	108.6	119.8	131.6	153.4	179.9	214.8
80°	110.1	106.9	103.9	101.7	103.2	107.3	118.8	130.5	152.0	178.3	213.0
82.5°	109.8	106.3	103.0	100.5	102.2	106.0	117.8	129.5	150.6	176.6	211.1
85°	109.5	105.8	102.2	99.3	101.3	104.9	116.9	128.5	149.3	174.9	209.3
87.5°	109.1	105.2	101.2	98.2	100.4	103.8	116.1	127.7	148.0	173.3	207.4
90°	108.6	104.5	100.3	97.0	99.5	102.8	115.3	126.9	146.8	171.6	205.6
92.5°	109.1	105.2	101.2	98.2	100.4	103.8	116.1	127.7	148.0	173.3	207.4
95°	109.5	105.8	102.2	99.3	101.3	104.9	116.9	128.5	149.3	174.9	209.3
97.5°	109.8	106.3	103.0	100.5	102.2	106.0	117.8	129.5	150.6	176.6	211.1
100°	110.1	106.9	103.9	101.7	103.2	107.3	118.8	130.5	152.0	178.3	213.0
102.5°	110.4	107.4	104.7	102.9	104.2	108.6	119.8	131.6	153.4	179.9	214.8
105°	110.7	107.9	105.6	104.1	105.3	110.0	120.9	132.9	154.9	181.6	216.7
107.5°	110.9	108.5	106.4	105.2	106.4	111.4	122.1	134.2	156.4	183.3	216.9
110°	111.1	109.0	107.3	106.3	107.5	113.0	123.3	135.6	158.0	184.9	218.2



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	106.9	106.5	106.1	106.1	108.2	114.2	124.4	137.1	159.7	186.6	219.4
115°	100.2	101.0	101.8	103.3	106.7	113.6	123.1	134.6	154.1	177.4	206.3
117.5°	93.9	95.9	97.9	100.7	105.5	113.0	121.7	131.9	148.5	168.2	193.3
120°	88.2	91.2	94.5	98.5	104.5	112.4	120.3	129.1	142.8	158.9	180.4
122.5°	83.1	87.2	91.5	96.7	103.9	111.8	118.7	126.1	137.0	149.7	167.5
125°	78.5	83.7	89.3	95.6	103.5	111.3	116.9	122.9	131.0	140.5	154.9
127.5°	74.6	80.8	87.5	95.0	103.4	110.7	115.0	119.4	124.8	131.3	142.4
130°	71.6	78.6	86.4	94.9	103.3	110.2	113.0	115.5	118.5	122.0	130.0
132.5°	69.5	77.4	85.9	95.2	103.2	109.2	110.7	111.4	112.0	112.8	117.8
135°	67.0	74.9	83.6	93.4	101.1	106.3	107.6	106.7	105.3	103.6	105.9
137.5°	64.0	71.2	79.0	87.9	93.5	97.2	98.4	97.5	96.3	94.9	97.5
140°	60.8	66.9	74.0	80.7	85.7	88.1	89.0	88.2	87.3	86.3	89.0
142.5°	56.9	62.3	68.5	73.4	77.7	78.9	79.5	79.0	78.4	77.6	80.4
145°	52.4	57.2	62.3	65.8	68.6	69.7	70.2	69.8	69.5	69.0	71.9
147.5°	47.4	51.5	54.9	57.8	59.6	60.6	60.8	60.7	60.6	60.3	63.3
150°	41.7	44.9	47.2	49.4	50.5	51.4	51.6	51.6	51.7	51.7	54.7
152.5°	35.3	37.2	39.0	40.4	41.4	42.1	42.4	42.6	42.9	43.0	46.0
155°	27.7	29.0	30.3	31.4	32.2	32.9	33.3	33.7	34.1	34.4	37.3
157.5°	23.2	23.5	23.9	24.1	24.4	24.6	24.7	25.0	25.4	25.7	28.5
160°	20.6	20.9	21.2	21.4	21.6	21.8	22.0	22.3	22.6	22.8	25.4
162.5°	18.0	18.3	18.5	18.7	18.9	19.1	19.3	19.5	19.8	20.0	22.3
165°	15.4	15.6	15.9	16.1	16.2	16.4	16.6	16.8	17.0	17.1	19.1
167.5°	12.8	13.0	13.2	13.4	13.5	13.7	13.9	14.0	14.2	14.3	16.0
170°	10.2	10.4	10.6	10.7	10.9	11.0	11.1	11.3	11.3	11.4	12.8
172.5°	7.7	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.5	8.6	9.6
175°	5.2	5.3	5.3	5.4	5.5	5.6	5.6	5.7	5.7	5.7	6.4
177.5°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.9	3.2
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: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.8	6.1	6.3	6.6
5°	7.1	7.8	8.4	9.1	9.7	10.3	10.9	11.5	12.1	12.6	13.1
7.5°	10.6	11.6	12.6	13.6	14.5	15.4	16.4	17.7	19.1	20.3	21.5
10°	14.1	15.5	16.7	18.0	19.4	21.2	23.1	24.9	26.6	28.3	30.0
12.5°	17.6	19.2	20.8	22.7	25.1	27.4	29.7	31.9	34.1	36.3	38.4
15°	21.1	23.0	25.0	27.9	30.7	33.5	36.2	38.9	41.5	44.1	46.9
17.5°	24.5	26.7	29.7	33.0	36.3	39.5	42.6	45.6	48.6	51.5	54.2
20°	28.0	30.5	34.4	38.1	41.8	45.3	48.7	52.1	55.3	58.5	61.6
22.5°	31.3	34.7	38.9	43.1	47.0	50.8	54.6	58.2	61.7	65.1	68.1
25°	40.0	43.7	48.0	52.0	55.6	59.1	62.4	65.6	68.5	70.9	74.1
27.5°	48.8	53.0	57.4	61.5	65.4	69.0	72.4	75.6	78.2	80.6	82.9
30°	57.5	62.2	66.8	70.9	75.2	78.6	82.0	84.9	87.5	90.0	92.3
32.5°	66.4	71.2	75.8	80.1	84.2	87.8	91.0	93.8	96.4	98.9	101.8
35°	75.2	80.1	84.8	89.2	93.1	97.0	99.7	102.4	104.9	107.6	111.0
37.5°	84.0	88.9	93.6	98.1	101.8	105.1	108.0	110.6	113.2	116.1	119.9
40°	92.6	97.6	102.3	106.6	110.2	113.3	116.0	118.3	121.0	124.0	129.8
42.5°	101.2	106.1	110.8	114.9	118.3	121.1	123.6	125.8	128.4	132.6	138.7
45°	109.7	114.5	119.3	123.0	126.1	128.8	130.9	133.0	135.3	140.8	147.7
47.5°	124.6	131.6	137.2	139.5	140.7	141.3	141.3	140.8	142.8	148.7	156.4
50°	140.2	150.1	157.4	159.1	159.7	159.9	160.0	159.4	160.9	164.2	169.1
52.5°	156.2	168.8	177.1	178.6	178.3	178.6	178.6	178.1	180.2	184.4	189.7
55°	172.7	188.0	196.7	197.8	196.7	197.2	197.1	197.3	199.4	203.9	209.1
57.5°	189.4	207.4	216.3	216.6	214.9	215.9	215.5	216.1	218.7	223.0	227.5
60°	206.5	227.1	235.7	235.2	233.4	234.6	233.8	234.6	237.6	241.0	244.4
62.5°	223.8	246.9	255.0	253.6	252.0	253.0	252.1	252.7	256.1	258.1	260.4
65°	241.3	267.0	274.2	271.8	270.5	271.3	270.5	271.0	274.1	274.4	275.3
67.5°	259.0	287.2	293.4	289.9	289.1	289.5	288.7	289.2	290.9	289.8	289.2
70°	259.2	290.4	300.2	300.1	300.8	301.5	301.5	303.1	304.6	303.8	302.2
72.5°	258.8	292.4	305.9	308.8	309.7	309.6	309.1	309.8	309.4	307.4	306.3
75°	258.2	294.4	312.0	317.9	318.4	317.7	316.6	316.1	313.9	310.8	309.6
77.5°	257.4	296.4	318.5	327.4	326.8	325.7	323.9	322.1	318.1	313.9	312.9
80°	257.9	298.3	325.3	337.1	335.2	333.7	331.2	327.7	322.2	316.8	316.3
82.5°	256.2	301.2	333.3	346.9	343.4	341.7	338.4	333.1	326.1	319.6	319.7
85°	254.5	302.3	339.7	357.2	351.5	349.6	345.4	338.1	330.1	322.4	323.1
87.5°	252.9	303.3	346.0	366.8	359.8	357.7	352.6	343.6	334.0	325.2	326.6
90°	251.2	304.3	352.4	376.4	368.1	365.7	359.9	349.1	338.3	328.3	330.0
92.5°	252.9	303.3	346.0	366.8	359.8	357.7	352.6	343.6	334.0	325.2	326.6
95°	254.5	302.3	339.7	357.2	351.5	349.6	345.4	338.1	330.1	322.4	323.1
97.5°	256.2	301.2	333.3	346.9	343.4	341.7	338.4	333.1	326.1	319.6	319.7
100°	257.9	298.3	325.3	337.1	335.2	333.7	331.2	327.7	322.2	316.8	316.3
102.5°	257.4	296.4	318.5	327.4	326.8	325.7	323.9	322.1	318.1	313.9	312.9
105°	258.2	294.4	312.0	317.9	318.4	317.7	316.6	316.1	313.9	310.8	309.6
107.5°	258.8	292.4	305.9	308.8	309.7	309.6	309.1	309.8	309.4	307.4	306.3
110°	259.2	290.4	300.2	300.1	300.8	301.5	301.5	303.1	304.6	303.8	302.2



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	259.0	287.2	293.4	289.9	289.1	289.5	288.7	289.2	290.9	289.8	289.2
115°	241.3	267.0	274.2	271.8	270.5	271.3	270.5	271.0	274.1	274.4	275.3
117.5°	223.8	246.9	255.0	253.6	252.0	253.0	252.1	252.7	256.1	258.1	260.4
120°	206.5	227.1	235.7	235.2	233.4	234.6	233.8	234.6	237.6	241.0	244.4
122.5°	189.4	207.4	216.3	216.6	214.9	215.9	215.5	216.1	218.7	223.0	227.5
125°	172.7	188.0	196.7	197.8	196.7	197.2	197.1	197.3	199.4	203.9	209.1
127.5°	156.2	168.8	177.1	178.6	178.3	178.6	178.6	178.1	180.2	184.4	189.7
130°	140.2	150.1	157.4	159.1	159.7	159.9	160.0	159.4	160.9	164.2	169.1
132.5°	124.6	131.6	137.2	139.5	140.7	141.3	141.3	140.8	142.8	148.7	156.4
135°	109.7	114.5	119.3	123.0	126.1	128.8	130.9	133.0	135.3	140.8	147.7
137.5°	101.2	106.1	110.8	114.9	118.3	121.1	123.6	125.8	128.4	132.6	138.7
140°	92.6	97.6	102.3	106.6	110.2	113.3	116.0	118.3	121.0	124.0	129.8
142.5°	84.0	88.9	93.6	98.1	101.8	105.1	108.0	110.6	113.2	116.1	119.9
145°	75.2	80.1	84.8	89.2	93.1	97.0	99.7	102.4	104.9	107.6	111.0
147.5°	66.4	71.2	75.8	80.1	84.2	87.8	91.0	93.8	96.4	98.9	101.8
150°	57.5	62.2	66.8	70.9	75.2	78.6	82.0	84.9	87.5	90.0	92.3
152.5°	48.8	53.0	57.4	61.5	65.4	69.0	72.4	75.6	78.2	80.6	82.9
155°	40.0	43.7	48.0	52.0	55.6	59.1	62.4	65.6	68.5	70.9	74.1
157.5°	31.3	34.7	38.9	43.1	47.0	50.8	54.6	58.2	61.7	65.1	68.1
160°	28.0	30.5	34.4	38.1	41.8	45.3	48.7	52.1	55.3	58.5	61.6
162.5°	24.5	26.7	29.7	33.0	36.3	39.5	42.6	45.6	48.6	51.5	54.2
165°	21.1	23.0	25.0	27.9	30.7	33.5	36.2	38.9	41.5	44.1	46.9
167.5°	17.6	19.2	20.8	22.7	25.1	27.4	29.7	31.9	34.1	36.3	38.4
170°	14.1	15.5	16.7	18.0	19.4	21.2	23.1	24.9	26.6	28.3	30.0
172.5°	10.6	11.6	12.6	13.6	14.5	15.4	16.4	17.7	19.1	20.3	21.5
175°	7.1	7.8	8.4	9.1	9.7	10.3	10.9	11.5	12.1	12.6	13.1
177.5°	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.8	6.1	6.3	6.6
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: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	6.8	7.1	7.3	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5
5°	13.9	14.6	15.3	16.0	16.7	17.3	17.9	18.4	18.9	19.3	19.7
7.5°	22.7	23.9	24.9	26.0	27.0	28.0	28.9	29.8	30.7	31.5	32.2
10°	31.6	33.2	34.8	36.2	37.7	39.0	40.3	41.5	42.6	43.6	44.5
12.5°	40.5	42.5	44.4	46.1	47.8	49.4	51.0	52.4	53.8	55.1	56.3
15°	48.9	51.2	53.4	55.5	57.5	59.4	61.3	63.1	64.9	66.5	68.2
17.5°	56.9	59.8	61.9	64.3	66.7	68.9	71.3	73.8	76.3	78.6	80.9
20°	64.4	67.1	69.9	72.6	75.5	78.4	81.3	84.1	86.6	88.9	91.1
22.5°	71.2	74.2	77.3	80.5	83.8	87.0	90.2	93.2	96.0	98.6	100.8
25°	77.3	80.6	84.3	87.9	91.8	95.5	99.8	103.6	106.9	109.8	112.3
27.5°	85.1	87.7	91.2	95.7	101.3	106.9	112.4	116.2	120.0	123.2	126.1
30°	95.2	98.7	102.7	108.5	114.3	120.1	125.6	130.5	135.2	139.1	142.7
32.5°	105.3	109.8	116.0	122.2	128.5	134.6	141.2	147.4	152.4	156.5	160.2
35°	115.5	121.8	128.4	135.2	142.2	149.6	156.8	163.2	169.1	174.7	180.0
37.5°	126.3	133.0	140.3	148.0	156.2	164.1	171.3	178.5	186.1	193.9	201.4
40°	136.3	144.0	152.2	161.1	169.7	177.9	186.6	195.3	204.3	213.8	223.7
42.5°	146.4	154.7	164.2	173.6	182.7	192.7	202.6	212.9	224.0	235.3	247.7
45°	155.9	165.7	175.8	185.9	196.8	207.9	218.9	230.2	243.2	257.3	273.6
47.5°	165.8	176.2	187.3	198.9	211.1	222.6	234.5	247.7	263.3	280.6	303.7
50°	176.1	186.9	198.8	212.2	224.3	236.3	249.5	265.5	284.4	309.6	337.3
52.5°	196.2	204.1	214.0	224.5	237.0	249.1	264.6	283.6	309.9	339.9	374.0
55°	215.2	222.8	233.0	241.1	250.6	261.8	279.2	305.3	336.0	371.7	415.2
57.5°	232.7	240.0	248.0	256.4	266.0	280.2	300.5	326.9	363.1	408.1	457.2
60°	248.9	255.2	262.2	270.6	282.0	298.0	323.1	355.9	396.1	443.6	498.9
62.5°	263.9	268.9	275.2	283.6	297.0	317.9	347.0	383.8	430.6	483.5	545.0
65°	277.4	281.4	287.6	296.9	311.5	335.3	369.7	413.1	464.3	523.2	594.2
67.5°	289.5	292.9	298.9	309.3	327.0	354.5	391.8	438.2	494.9	564.1	639.6
70°	301.0	303.5	309.2	320.4	340.5	371.9	412.9	464.0	526.2	599.4	680.4
72.5°	307.5	312.0	319.3	331.4	352.5	388.5	430.1	485.9	554.1	629.1	713.2
75°	312.2	318.6	328.1	343.1	367.7	403.3	447.6	505.2	576.3	651.6	741.2
77.5°	317.2	325.3	336.6	354.1	381.5	419.5	467.9	528.2	597.2	673.4	762.5
80°	322.4	332.2	345.0	364.3	393.7	433.8	484.8	546.2	614.6	695.2	787.2
82.5°	327.5	339.0	353.1	373.7	404.2	446.2	498.6	559.6	626.8	711.4	805.0
85°	332.7	345.7	360.7	382.3	413.2	456.7	509.3	568.6	634.1	721.9	815.7
87.5°	337.8	352.4	368.3	390.6	421.4	466.2	518.4	575.1	638.9	729.3	822.7
90°	342.4	358.2	374.8	397.2	427.0	471.8	522.4	575.4	636.0	725.5	816.7
92.5°	337.8	352.4	368.3	390.6	421.4	466.2	518.4	575.1	638.9	729.3	822.7
95°	332.7	345.7	360.7	382.3	413.2	456.7	509.3	568.6	634.1	721.9	815.7
97.5°	327.5	339.0	353.1	373.7	404.2	446.2	498.6	559.6	626.8	711.4	805.0
100°	322.4	332.2	345.0	364.3	393.7	433.8	484.8	546.2	614.6	695.2	787.2
102.5°	317.2	325.3	336.6	354.1	381.5	419.5	467.9	528.2	597.2	673.4	762.5
105°	312.2	318.6	328.1	343.1	367.7	403.3	447.6	505.2	576.3	651.6	741.2
107.5°	307.5	312.0	319.3	331.4	352.5	388.5	430.1	485.9	554.1	629.1	713.2
110°	301.0	303.5	309.2	320.4	340.5	371.9	412.9	464.0	526.2	599.4	680.4



TEST NUMBER: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	289.5	292.9	298.9	309.3	327.0	354.5	391.8	438.2	494.9	564.1	639.6
115°	277.4	281.4	287.6	296.9	311.5	335.3	369.7	413.1	464.3	523.2	594.2
117.5°	263.9	268.9	275.2	283.6	297.0	317.9	347.0	383.8	430.6	483.5	545.0
120°	248.9	255.2	262.2	270.6	282.0	298.0	323.1	355.9	396.1	443.6	498.9
122.5°	232.7	240.0	248.0	256.4	266.0	280.2	300.5	326.9	363.1	408.1	457.2
125°	215.2	222.8	233.0	241.1	250.6	261.8	279.2	305.3	336.0	371.7	415.2
127.5°	196.2	204.1	214.0	224.5	237.0	249.1	264.6	283.6	309.9	339.9	374.0
130°	176.1	186.9	198.8	212.2	224.3	236.3	249.5	265.5	284.4	309.6	337.3
132.5°	165.8	176.2	187.3	198.9	211.1	222.6	234.5	247.7	263.3	280.6	303.7
135°	155.9	165.7	175.8	185.9	196.8	207.9	218.9	230.2	243.2	257.3	273.6
137.5°	146.4	154.7	164.2	173.6	182.7	192.7	202.6	212.9	224.0	235.3	247.7
140°	136.3	144.0	152.2	161.1	169.7	177.9	186.6	195.3	204.3	213.8	223.7
142.5°	126.3	133.0	140.3	148.0	156.2	164.1	171.3	178.5	186.1	193.9	201.4
145°	115.5	121.8	128.4	135.2	142.2	149.6	156.8	163.2	169.1	174.7	180.0
147.5°	105.3	109.8	116.0	122.2	128.5	134.6	141.2	147.4	152.4	156.5	160.2
150°	95.2	98.7	102.7	108.5	114.3	120.1	125.6	130.5	135.2	139.1	142.7
152.5°	85.1	87.7	91.2	95.7	101.3	106.9	112.4	116.2	120.0	123.2	126.1
155°	77.3	80.6	84.3	87.9	91.8	95.5	99.8	103.6	106.9	109.8	112.3
157.5°	71.2	74.2	77.3	80.5	83.8	87.0	90.2	93.2	96.0	98.6	100.8
160°	64.4	67.1	69.9	72.6	75.5	78.4	81.3	84.1	86.6	88.9	91.1
162.5°	56.9	59.8	61.9	64.3	66.7	68.9	71.3	73.8	76.3	78.6	80.9
165°	48.9	51.2	53.4	55.5	57.5	59.4	61.3	63.1	64.9	66.5	68.2
167.5°	40.5	42.5	44.4	46.1	47.8	49.4	51.0	52.4	53.8	55.1	56.3
170°	31.6	33.2	34.8	36.2	37.7	39.0	40.3	41.5	42.6	43.6	44.5
172.5°	22.7	23.9	24.9	26.0	27.0	28.0	28.9	29.8	30.7	31.5	32.2
175°	13.9	14.6	15.3	16.0	16.7	17.3	17.9	18.4	18.9	19.3	19.7
177.5°	6.8	7.1	7.3	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5
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: P232046

CATALOG NUMBER: FVS4WM-3-LD4-40-1STD-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°	8.6	8.6	8.7	8.7	8.7	8.7	9.0	8.9	8.8	8.7	8.5
5°	20.1	20.4	20.7	20.9	21.0	21.2	21.2	21.3	21.6	21.4	21.2
7.5°	32.8	33.4	33.9	34.3	34.7	35.0	35.2	35.3	35.4	35.7	35.4
10°	45.3	46.0	46.7	47.3	47.8	48.1	48.4	48.6	48.7	49.2	48.8
12.5°	57.5	58.6	59.5	60.4	61.2	61.8	62.4	62.8	63.1	63.3	63.6
15°	70.0	71.7	73.3	74.7	76.1	77.3	78.4	79.3	80.1	80.7	81.5
17.5°	83.0	84.6	86.1	87.4	88.5	89.5	90.3	91.0	91.5	91.9	92.3
20°	93.0	94.7	95.9	96.7	97.3	97.6	97.7	97.5	97.2	96.7	96.2
22.5°	102.6	103.9	105.0	105.9	106.4	106.5	106.4	105.9	105.2	104.3	103.4
25°	114.3	115.8	116.9	117.8	118.2	118.1	117.6	116.8	115.6	114.0	112.2
27.5°	128.5	130.3	131.4	132.4	133.3	133.8	133.9	133.5	132.7	131.4	129.8
30°	145.2	147.6	149.5	151.0	153.4	155.3	156.7	157.7	158.0	157.8	157.0
32.5°	163.7	167.8	171.5	174.9	179.0	183.4	187.3	190.6	193.2	195.0	196.0
35°	185.0	191.2	197.8	204.2	210.5	217.4	223.6	229.1	233.7	237.3	239.9
37.5°	209.2	217.5	227.0	236.3	245.2	255.0	264.5	273.1	280.8	287.2	292.3
40°	235.0	246.0	258.6	271.5	284.2	298.2	313.0	326.5	338.4	348.6	356.8
42.5°	262.0	276.7	293.1	313.2	332.6	351.5	371.3	389.6	406.1	420.4	432.3
45°	291.4	314.3	336.6	361.9	387.0	413.8	438.0	463.4	486.4	506.7	523.9
47.5°	328.7	356.7	385.1	415.2	449.0	481.9	515.4	548.0	577.6	603.7	625.9
50°	369.2	402.5	440.5	477.3	518.3	560.1	601.8	645.2	684.3	718.6	747.7
52.5°	413.6	455.5	501.1	547.0	598.4	652.1	704.5	755.8	799.0	834.2	861.8
55°	461.3	512.0	566.4	627.9	690.7	758.5	820.5	869.6	907.1	934.3	952.4
57.5°	510.8	572.9	639.9	714.6	794.4	864.3	933.5	972.9	996.8	1013.3	1022.9
60°	564.6	636.5	716.3	798.2	880.4	952.5	1011.9	1048.6	1059.7	1068.0	1073.3
62.5°	617.3	698.7	785.3	873.7	951.5	1018.0	1061.2	1091.2	1102.8	1111.2	1116.3
65°	670.8	753.8	846.8	936.8	1012.6	1069.6	1105.6	1129.6	1140.0	1147.2	1153.2
67.5°	721.6	810.6	905.7	998.4	1073.0	1120.3	1147.1	1159.4	1168.2	1178.5	1185.7
70°	767.6	863.5	962.3	1059.2	1127.6	1158.9	1176.0	1187.7	1198.1	1204.3	1211.3
72.5°	807.0	906.8	1009.2	1098.4	1157.8	1186.0	1198.9	1210.3	1218.9	1224.0	1231.9
75°	838.7	940.9	1042.6	1128.2	1181.3	1204.1	1218.6	1228.9	1236.1	1244.1	1249.9
77.5°	861.0	965.2	1072.6	1155.0	1200.6	1222.1	1234.1	1240.6	1251.8	1260.4	1267.5
80°	884.3	988.0	1095.2	1180.6	1222.3	1236.6	1241.6	1253.3	1263.9	1272.0	1281.8
82.5°	903.8	1011.5	1117.5	1194.8	1231.4	1242.0	1249.2	1262.3	1272.2	1289.2	1294.1
85°	915.5	1025.2	1131.6	1203.9	1233.1	1243.6	1254.7	1269.1	1277.2	1290.1	1300.4
87.5°	923.1	1029.0	1136.6	1208.6	1234.0	1245.2	1256.7	1270.6	1275.7	1291.5	1300.8
90°	915.4	1023.2	1131.8	1207.2	1232.9	1246.2	1256.2	1268.6	1276.1	1295.1	1296.0
92.5°	923.1	1029.0	1136.6	1208.6	1234.0	1245.2	1256.7	1270.6	1275.7	1291.5	1300.8
95°	915.5	1025.2	1131.6	1203.9	1233.1	1243.6	1254.7	1269.1	1277.2	1290.1	1300.4
97.5°	903.8	1011.5	1117.5	1194.8	1231.4	1242.0	1249.2	1262.3	1272.2	1289.2	1294.1
100°	884.3	988.0	1095.2	1180.6	1222.3	1236.6	1241.6	1253.3	1263.9	1272.0	1281.8
102.5°	861.0	965.2	1072.6	1155.0	1200.6	1222.1	1234.1	1240.6	1251.8	1260.4	1267.5
105°	838.7	940.9	1042.6	1128.2	1181.3	1204.1	1218.6	1228.9	1236.1	1244.1	1249.9
107.5°	807.0	906.8	1009.2	1098.4	1157.8	1186.0	1198.9	1210.3	1218.9	1224.0	1231.9
110°	767.6	863.5	962.3	1059.2	1127.6	1158.9	1176.0	1187.7	1198.1	1204.3	1211.3



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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°	721.6	810.6	905.7	998.4	1073.0	1120.3	1147.1	1159.4	1168.2	1178.5	1185.7
115°	670.8	753.8	846.8	936.8	1012.6	1069.6	1105.6	1129.6	1140.0	1147.2	1153.2
117.5°	617.3	698.7	785.3	873.7	951.5	1018.0	1061.2	1091.2	1102.8	1111.2	1116.3
120°	564.6	636.5	716.3	798.2	880.4	952.5	1011.9	1048.6	1059.7	1068.0	1073.3
122.5°	510.8	572.9	639.9	714.6	794.4	864.3	933.5	972.9	996.8	1013.3	1022.9
125°	461.3	512.0	566.4	627.9	690.7	758.5	820.5	869.6	907.1	934.3	952.4
127.5°	413.6	455.5	501.1	547.0	598.4	652.1	704.5	755.8	799.0	834.2	861.8
130°	369.2	402.5	440.5	477.3	518.3	560.1	601.8	645.2	684.3	718.6	747.7
132.5°	328.7	356.7	385.1	415.2	449.0	481.9	515.4	548.0	577.6	603.7	625.9
135°	291.4	314.3	336.6	361.9	387.0	413.8	438.0	463.4	486.4	506.7	523.9
137.5°	262.0	276.7	293.1	313.2	332.6	351.5	371.3	389.6	406.1	420.4	432.3
140°	235.0	246.0	258.6	271.5	284.2	298.2	313.0	326.5	338.4	348.6	356.8
142.5°	209.2	217.5	227.0	236.3	245.2	255.0	264.5	273.1	280.8	287.2	292.3
145°	185.0	191.2	197.8	204.2	210.5	217.4	223.6	229.1	233.7	237.3	239.9
147.5°	163.7	167.8	171.5	174.9	179.0	183.4	187.3	190.6	193.2	195.0	196.0
150°	145.2	147.6	149.5	151.0	153.4	155.3	156.7	157.7	158.0	157.8	157.0
152.5°	128.5	130.3	131.4	132.4	133.3	133.8	133.9	133.5	132.7	131.4	129.8
155°	114.3	115.8	116.9	117.8	118.2	118.1	117.6	116.8	115.6	114.0	112.2
157.5°	102.6	103.9	105.0	105.9	106.4	106.5	106.4	105.9	105.2	104.3	103.4
160°	93.0	94.7	95.9	96.7	97.3	97.6	97.7	97.5	97.2	96.7	96.2
162.5°	83.0	84.6	86.1	87.4	88.5	89.5	90.3	91.0	91.5	91.9	92.3
165°	70.0	71.7	73.3	74.7	76.1	77.3	78.4	79.3	80.1	80.7	81.5
167.5°	57.5	58.6	59.5	60.4	61.2	61.8	62.4	62.8	63.1	63.3	63.6
170°	45.3	46.0	46.7	47.3	47.8	48.1	48.4	48.6	48.7	49.2	48.8
172.5°	32.8	33.4	33.9	34.3	34.7	35.0	35.2	35.3	35.4	35.7	35.4
175°	20.1	20.4	20.7	20.9	21.0	21.2	21.2	21.3	21.6	21.4	21.2
177.5°	8.6	8.6	8.7	8.7	8.7	8.7	9.0	8.9	8.8	8.7	8.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	8.4	8.3
5°	20.9	20.7
7.5°	35.1	34.8
10°	48.5	48.1
12.5°	63.3	63.0
15°	81.4	81.3
17.5°	92.2	92.0
20°	95.3	94.5
22.5°	101.8	100.3
25°	110.2	107.8
27.5°	127.9	125.2
30°	155.9	153.4
32.5°	196.5	194.9
35°	241.9	241.3
37.5°	296.8	297.7
40°	364.0	366.5
42.5°	443.1	447.7
45°	539.7	547.2
47.5°	646.3	656.7
50°	774.2	787.7
52.5°	885.2	895.5
55°	965.2	966.8
57.5°	1028.6	1024.8
60°	1077.1	1073.7
62.5°	1117.9	1116.0
65°	1157.3	1158.3
67.5°	1189.5	1189.8
70°	1217.1	1220.5
72.5°	1236.1	1237.1
75°	1252.8	1252.8
77.5°	1272.8	1275.2
80°	1287.0	1290.2
82.5°	1296.1	1297.6
85°	1306.1	1307.6
87.5°	1306.4	1311.7
90°	1303.4	1309.2
92.5°	1306.4	1311.7
95°	1306.1	1307.6
97.5°	1296.1	1297.6
100°	1287.0	1290.2
102.5°	1272.8	1275.2
105°	1252.8	1252.8
107.5°	1236.1	1237.1
110°	1217.1	1220.5



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1189.5	1189.8
115°	1157.3	1158.3
117.5°	1117.9	1116.0
120°	1077.1	1073.7
122.5°	1028.6	1024.8
125°	965.2	966.8
127.5°	885.2	895.5
130°	774.2	787.7
132.5°	646.3	656.7
135°	539.7	547.2
137.5°	443.1	447.7
140°	364.0	366.5
142.5°	296.8	297.7
145°	241.9	241.3
147.5°	196.5	194.9
150°	155.9	153.4
152.5°	127.9	125.2
155°	110.2	107.8
157.5°	101.8	100.3
160°	95.3	94.5
162.5°	92.2	92.0
165°	81.4	81.3
167.5°	63.3	63.0
170°	48.5	48.1
172.5°	35.1	34.8
175°	20.9	20.7
177.5°	8.4	8.3
180°	0.0	0.0

(END OF REPORT)