

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: P232042

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232042  
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-LD4-40-1LO-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**

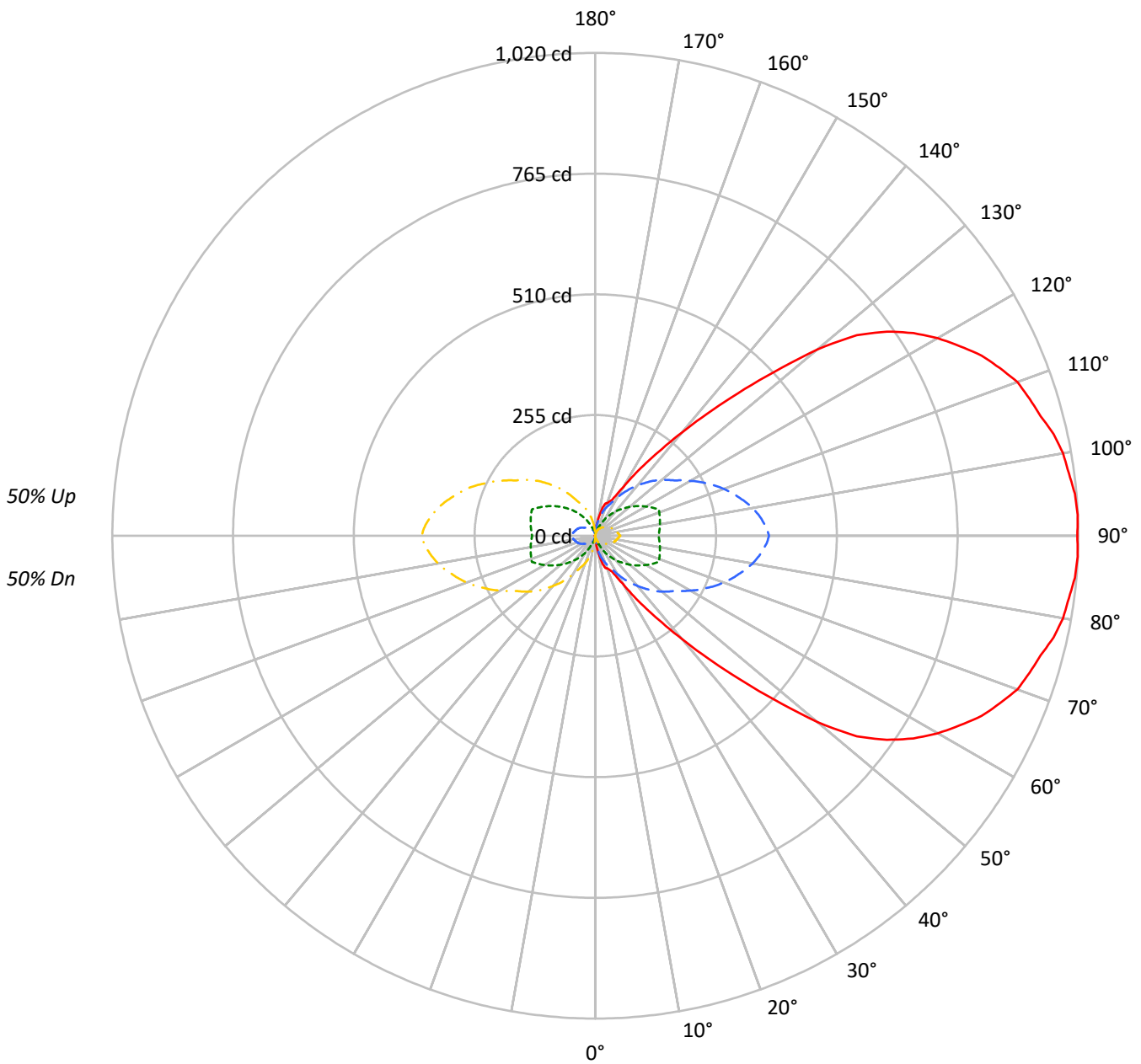
Lumens per Lamp: N/A  
Luminaire Lumens: 2341.9 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

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

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	278	86	0	86
10°	578	175	0	175
15°	890	263	0	263
20°	958	359	0	359
25°	1024	552	0	552
30°	1381	860	0	860
35°	2080	1200	0	1200
40°	3052	1582	0	1582
45°	4440	2026	0	2026
50°	6278	2577	0	2577
55°	7630	3250	0	3250
60°	8454	4101	0	4101
65°	9168	5219	0	5219
70°	9787	6389	6	6389
75°	10258	7665	6	7665
80°	10876	9772	0	9772
85°	11449	13806	0	13806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.0	0.0
10°-20°	7.5	0.3
20°-30°	20.0	0.9
30°-40°	46.1	2.0
40°-50°	91.5	3.9
50°-60°	163.4	7.0
60°-70°	237.9	10.2
70°-80°	288.7	12.3
80°-90°	314.8	13.4
90°-100°	314.8	13.4
100°-110°	288.7	12.3
110°-120°	237.9	10.2
120°-130°	163.4	7.0
130°-140°	91.5	3.9
140°-150°	46.1	2.0
150°-160°	20.0	0.9
160°-170°	7.5	0.3
170°-180°	1.0	0.0
0°-30°	28.5	1.2
0°-40°	74.6	3.2
0°-60°	329.5	14.1
0°-90°	1170.9	50.0
90°-120°	841.4	35.9
90°-150°	1142.4	48.8
90°-180°	1171.0	50.0
0°-180°	2341.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	16	4	0	4	16	2
15°	63	13	0	13	63	18
25°	84	27	0	27	84	42
35°	188	54	0	54	188	123
45°	425	81	0	81	425	339
55°	752	109	0	109	752	668
65°	900	138	0	138	900	890
75°	974	141	1	141	974	1032
85°	1016	136	0	136	1016	827
90°	1018	133	0	133	1018	558
95°	1016	136	0	136	1016	827
105°	974	141	1	141	974	1032
115°	900	138	0	138	900	890
125°	752	109	0	109	752	668
135°	425	81	0	81	425	339
145°	188	54	0	54	188	123
155°	84	27	0	27	84	42
165°	63	13	0	13	63	18
175°	16	4	0	4	16	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°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	6.8	6.8	6.7	6.7
5°	16.1	16.3	16.5	16.6	16.8	16.5	16.5	16.5	16.4	16.2	16.1
7.5°	27.1	27.3	27.6	27.8	27.5	27.5	27.4	27.2	27.0	26.7	26.4
10°	37.4	37.7	38.0	38.2	37.9	37.8	37.7	37.4	37.1	36.8	36.3
12.5°	49.0	49.2	49.5	49.2	49.1	48.9	48.5	48.1	47.6	47.0	46.3
15°	63.2	63.3	63.3	62.7	62.3	61.7	60.9	60.1	59.2	58.1	57.0
17.5°	71.5	71.6	71.8	71.4	71.1	70.7	70.2	69.6	68.8	67.9	66.9
20°	73.5	74.2	74.8	75.2	75.6	75.8	76.0	75.9	75.6	75.2	74.5
22.5°	78.0	79.2	80.4	81.1	81.8	82.4	82.7	82.8	82.7	82.3	81.6
25°	83.8	85.6	87.2	88.6	89.8	90.8	91.5	91.8	91.9	91.6	90.9
27.5°	97.3	99.4	100.9	102.1	103.1	103.8	104.1	104.0	103.6	102.9	102.2
30°	119.2	121.1	122.0	122.7	122.8	122.5	121.8	120.7	119.2	117.4	116.2
32.5°	151.5	152.8	152.3	151.6	150.2	148.1	145.6	142.5	139.1	135.9	133.3
35°	187.6	188.1	186.5	184.5	181.7	178.1	173.8	169.0	163.6	158.7	153.7
37.5°	231.4	230.7	227.2	223.3	218.2	212.3	205.6	198.2	190.6	183.7	176.5
40°	284.9	283.0	277.3	271.0	263.1	253.8	243.3	231.8	220.9	211.0	201.0
42.5°	348.1	344.5	336.1	326.8	315.7	302.9	288.7	273.2	258.5	243.5	227.8
45°	425.4	419.5	407.3	394.0	378.2	360.3	340.5	321.7	300.9	281.3	261.7
47.5°	510.5	502.4	486.6	469.3	449.0	426.1	400.7	374.7	349.1	322.8	299.4
50°	612.3	601.8	581.2	558.6	531.9	501.5	467.8	435.4	403.0	371.1	342.4
52.5°	696.1	688.1	669.9	648.5	621.1	587.5	547.6	506.9	465.2	425.2	389.5
55°	751.6	750.4	740.4	726.3	705.2	676.0	637.8	589.6	536.9	488.1	440.3
57.5°	796.7	799.6	795.2	787.7	774.9	756.3	725.7	671.9	617.6	555.4	497.4
60°	834.7	837.3	834.3	830.2	823.7	815.1	786.6	740.4	684.4	620.5	556.8
62.5°	867.6	869.1	867.8	863.8	857.2	848.2	824.9	791.3	739.6	679.2	610.4
65°	900.4	899.6	896.5	891.8	886.2	878.1	859.5	831.4	787.1	728.2	658.3
67.5°	924.9	924.6	921.7	916.1	908.2	901.3	891.7	870.9	834.1	776.1	704.0
70°	948.8	946.2	941.6	936.2	931.4	923.3	914.2	900.9	876.5	823.4	748.1
72.5°	961.7	960.9	957.7	951.6	947.6	940.9	932.0	922.0	900.0	853.8	784.5
75°	973.9	973.9	971.6	967.1	960.9	955.4	947.3	936.0	918.3	877.0	810.5
77.5°	991.3	989.5	985.3	979.8	973.1	964.4	959.4	950.1	933.3	897.9	833.8
80°	1002.9	1000.4	996.5	988.9	982.5	974.3	965.2	961.4	950.1	917.8	851.4
82.5°	1008.7	1007.5	1006.0	1002.2	988.9	981.2	971.1	965.5	957.2	928.8	868.7
85°	1016.5	1015.4	1010.9	1002.9	992.8	986.6	975.3	966.8	958.6	935.8	879.7
87.5°	1019.7	1015.6	1011.2	1004.0	991.7	987.7	976.9	968.0	959.3	939.6	883.5
90°	1017.8	1013.2	1007.4	1006.8	992.0	986.2	976.5	968.8	958.5	938.5	879.8
92.5°	1019.7	1015.6	1011.2	1004.0	991.7	987.7	976.9	968.0	959.3	939.6	883.5
95°	1016.5	1015.4	1010.9	1002.9	992.8	986.6	975.3	966.8	958.6	935.8	879.7
97.5°	1008.7	1007.5	1006.0	1002.2	988.9	981.2	971.1	965.5	957.2	928.8	868.7
100°	1002.9	1000.4	996.5	988.9	982.5	974.3	965.2	961.4	950.1	917.8	851.4
102.5°	991.3	989.5	985.3	979.8	973.1	964.4	959.4	950.1	933.3	897.9	833.8
105°	973.9	973.9	971.6	967.1	960.9	955.4	947.3	936.0	918.3	877.0	810.5
107.5°	961.7	960.9	957.7	951.6	947.6	940.9	932.0	922.0	900.0	853.8	784.5
110°	948.8	946.2	941.6	936.2	931.4	923.3	914.2	900.9	876.5	823.4	748.1



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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°	924.9	924.6	921.7	916.1	908.2	901.3	891.7	870.9	834.1	776.1	704.0
115°	900.4	899.6	896.5	891.8	886.2	878.1	859.5	831.4	787.1	728.2	658.3
117.5°	867.6	869.1	867.8	863.8	857.2	848.2	824.9	791.3	739.6	679.2	610.4
120°	834.7	837.3	834.3	830.2	823.7	815.1	786.6	740.4	684.4	620.5	556.8
122.5°	796.7	799.6	795.2	787.7	774.9	756.3	725.7	671.9	617.6	555.4	497.4
125°	751.6	750.4	740.4	726.3	705.2	676.0	637.8	589.6	536.9	488.1	440.3
127.5°	696.1	688.1	669.9	648.5	621.1	587.5	547.6	506.9	465.2	425.2	389.5
130°	612.3	601.8	581.2	558.6	531.9	501.5	467.8	435.4	403.0	371.1	342.4
132.5°	510.5	502.4	486.6	469.3	449.0	426.1	400.7	374.7	349.1	322.8	299.4
135°	425.4	419.5	407.3	394.0	378.2	360.3	340.5	321.7	300.9	281.3	261.7
137.5°	348.1	344.5	336.1	326.8	315.7	302.9	288.7	273.2	258.5	243.5	227.8
140°	284.9	283.0	277.3	271.0	263.1	253.8	243.3	231.8	220.9	211.0	201.0
142.5°	231.4	230.7	227.2	223.3	218.2	212.3	205.6	198.2	190.6	183.7	176.5
145°	187.6	188.1	186.5	184.5	181.7	178.1	173.8	169.0	163.6	158.7	153.7
147.5°	151.5	152.8	152.3	151.6	150.2	148.1	145.6	142.5	139.1	135.9	133.3
150°	119.2	121.1	122.0	122.7	122.8	122.5	121.8	120.7	119.2	117.4	116.2
152.5°	97.3	99.4	100.9	102.1	103.1	103.8	104.1	104.0	103.6	102.9	102.2
155°	83.8	85.6	87.2	88.6	89.8	90.8	91.5	91.8	91.9	91.6	90.9
157.5°	78.0	79.2	80.4	81.1	81.8	82.4	82.7	82.8	82.7	82.3	81.6
160°	73.5	74.2	74.8	75.2	75.6	75.8	76.0	75.9	75.6	75.2	74.5
162.5°	71.5	71.6	71.8	71.4	71.1	70.7	70.2	69.6	68.8	67.9	66.9
165°	63.2	63.3	63.3	62.7	62.3	61.7	60.9	60.1	59.2	58.1	57.0
167.5°	49.0	49.2	49.5	49.2	49.1	48.9	48.5	48.1	47.6	47.0	46.3
170°	37.4	37.7	38.0	38.2	37.9	37.8	37.7	37.4	37.1	36.8	36.3
172.5°	27.1	27.3	27.6	27.8	27.5	27.5	27.4	27.2	27.0	26.7	26.4
175°	16.1	16.3	16.5	16.6	16.8	16.5	16.5	16.5	16.4	16.2	16.1
177.5°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	6.8	6.8	6.7	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



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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°	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.6
5°	15.8	15.6	15.3	15.0	14.7	14.3	13.9	13.4	12.9	12.4	11.9
7.5°	26.0	25.5	25.0	24.5	23.9	23.2	22.5	21.7	21.0	20.2	19.4
10°	35.8	35.2	34.6	33.9	33.1	32.3	31.4	30.4	29.3	28.2	27.0
12.5°	45.5	44.7	43.8	42.8	41.8	40.8	39.6	38.5	37.2	35.9	34.5
15°	55.7	54.4	53.0	51.7	50.5	49.1	47.7	46.2	44.7	43.1	41.5
17.5°	65.8	64.5	62.9	61.1	59.3	57.4	55.5	53.6	51.8	50.0	48.2
20°	73.6	72.3	70.8	69.1	67.3	65.4	63.2	61.0	58.7	56.5	54.3
22.5°	80.8	79.7	78.4	76.7	74.6	72.4	70.1	67.6	65.1	62.6	60.1
25°	90.0	88.9	87.3	85.3	83.1	80.5	77.5	74.2	71.3	68.3	65.5
27.5°	101.3	99.9	98.0	95.8	93.3	90.3	87.4	83.1	78.8	74.4	70.8
30°	114.7	112.8	110.9	108.2	105.1	101.5	97.7	93.4	88.8	84.3	79.8
32.5°	130.4	127.2	124.5	121.7	118.5	114.6	109.7	104.7	99.9	94.9	90.1
35°	148.6	143.7	139.9	135.8	131.5	126.8	121.9	116.3	110.5	105.1	99.8
37.5°	169.0	162.6	156.5	150.7	144.6	138.8	133.2	127.5	121.5	115.1	109.1
40°	191.2	182.6	173.8	166.1	158.8	151.8	145.0	138.3	131.9	125.2	118.3
42.5°	215.1	203.7	192.5	182.9	174.1	165.4	157.4	149.8	142.0	134.9	127.7
45°	244.3	226.5	212.7	200.0	189.0	178.9	170.1	161.6	153.0	144.5	136.7
47.5°	277.3	255.5	236.1	218.1	204.7	192.6	182.2	173.0	164.1	154.6	145.5
50°	312.9	287.0	262.2	240.7	221.1	206.4	193.9	183.7	174.4	165.0	154.5
52.5°	354.1	321.5	290.8	264.3	240.9	220.5	205.7	193.7	184.2	174.5	166.4
55°	398.0	358.6	322.8	289.0	261.2	237.4	217.1	203.5	194.8	187.4	181.1
57.5°	445.3	397.0	355.4	317.2	282.3	254.2	233.6	217.8	206.8	199.3	192.8
60°	494.8	438.8	387.8	344.8	307.9	276.7	251.2	231.7	219.2	210.4	203.8
62.5°	543.1	479.9	423.6	375.8	334.7	298.3	269.7	247.2	230.9	220.5	213.9
65°	586.0	521.4	461.9	406.6	360.9	321.1	287.4	260.7	242.2	230.8	223.5
67.5°	630.1	560.9	497.2	438.5	384.7	340.7	304.6	275.5	254.2	240.4	232.3
70°	671.2	596.7	528.9	465.9	409.0	360.7	321.0	289.1	264.6	249.0	240.3
72.5°	704.9	627.4	554.4	489.0	430.7	377.7	334.3	301.9	274.0	257.6	248.2
75°	731.4	651.9	576.2	506.5	448.0	392.8	348.0	313.5	285.8	266.7	255.0
77.5°	750.3	669.3	592.8	523.4	464.2	410.6	363.7	326.1	296.5	275.2	261.7
80°	768.1	687.4	612.0	540.5	477.7	424.6	376.9	337.2	306.0	283.1	268.1
82.5°	786.3	702.6	625.8	553.1	487.2	435.0	387.6	346.8	314.2	290.5	274.4
85°	796.9	711.7	634.1	561.2	492.9	442.0	396.0	355.0	321.2	297.2	280.4
87.5°	799.9	717.6	639.5	567.0	496.6	447.1	403.0	362.4	327.5	303.6	286.2
90°	795.4	711.6	634.9	564.0	494.4	447.3	406.1	366.8	331.9	308.7	291.3
92.5°	799.9	717.6	639.5	567.0	496.6	447.1	403.0	362.4	327.5	303.6	286.2
95°	796.9	711.7	634.1	561.2	492.9	442.0	396.0	355.0	321.2	297.2	280.4
97.5°	786.3	702.6	625.8	553.1	487.2	435.0	387.6	346.8	314.2	290.5	274.4
100°	768.1	687.4	612.0	540.5	477.7	424.6	376.9	337.2	306.0	283.1	268.1
102.5°	750.3	669.3	592.8	523.4	464.2	410.6	363.7	326.1	296.5	275.2	261.7
105°	731.4	651.9	576.2	506.5	448.0	392.8	348.0	313.5	285.8	266.7	255.0
107.5°	704.9	627.4	554.4	489.0	430.7	377.7	334.3	301.9	274.0	257.6	248.2
110°	671.2	596.7	528.9	465.9	409.0	360.7	321.0	289.1	264.6	249.0	240.3





TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	630.1	560.9	497.2	438.5	384.7	340.7	304.6	275.5	254.2	240.4	232.3
115°	586.0	521.4	461.9	406.6	360.9	321.1	287.4	260.7	242.2	230.8	223.5
117.5°	543.1	479.9	423.6	375.8	334.7	298.3	269.7	247.2	230.9	220.5	213.9
120°	494.8	438.8	387.8	344.8	307.9	276.7	251.2	231.7	219.2	210.4	203.8
122.5°	445.3	397.0	355.4	317.2	282.3	254.2	233.6	217.8	206.8	199.3	192.8
125°	398.0	358.6	322.8	289.0	261.2	237.4	217.1	203.5	194.8	187.4	181.1
127.5°	354.1	321.5	290.8	264.3	240.9	220.5	205.7	193.7	184.2	174.5	166.4
130°	312.9	287.0	262.2	240.7	221.1	206.4	193.9	183.7	174.4	165.0	154.5
132.5°	277.3	255.5	236.1	218.1	204.7	192.6	182.2	173.0	164.1	154.6	145.5
135°	244.3	226.5	212.7	200.0	189.0	178.9	170.1	161.6	153.0	144.5	136.7
137.5°	215.1	203.7	192.5	182.9	174.1	165.4	157.4	149.8	142.0	134.9	127.7
140°	191.2	182.6	173.8	166.1	158.8	151.8	145.0	138.3	131.9	125.2	118.3
142.5°	169.0	162.6	156.5	150.7	144.6	138.8	133.2	127.5	121.5	115.1	109.1
145°	148.6	143.7	139.9	135.8	131.5	126.8	121.9	116.3	110.5	105.1	99.8
147.5°	130.4	127.2	124.5	121.7	118.5	114.6	109.7	104.7	99.9	94.9	90.1
150°	114.7	112.8	110.9	108.2	105.1	101.5	97.7	93.4	88.8	84.3	79.8
152.5°	101.3	99.9	98.0	95.8	93.3	90.3	87.4	83.1	78.8	74.4	70.8
155°	90.0	88.9	87.3	85.3	83.1	80.5	77.5	74.2	71.3	68.3	65.5
157.5°	80.8	79.7	78.4	76.7	74.6	72.4	70.1	67.6	65.1	62.6	60.1
160°	73.6	72.3	70.8	69.1	67.3	65.4	63.2	61.0	58.7	56.5	54.3
162.5°	65.8	64.5	62.9	61.1	59.3	57.4	55.5	53.6	51.8	50.0	48.2
165°	55.7	54.4	53.0	51.7	50.5	49.1	47.7	46.2	44.7	43.1	41.5
167.5°	45.5	44.7	43.8	42.8	41.8	40.8	39.6	38.5	37.2	35.9	34.5
170°	35.8	35.2	34.6	33.9	33.1	32.3	31.4	30.4	29.3	28.2	27.0
172.5°	26.0	25.5	25.0	24.5	23.9	23.2	22.5	21.7	21.0	20.2	19.4
175°	15.8	15.6	15.3	15.0	14.7	14.3	13.9	13.4	12.9	12.4	11.9
177.5°	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.6
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: P232042

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.0	3.8	3.5	3.3
5°	11.3	10.7	10.1	9.7	9.3	8.9	8.5	8.0	7.5	7.1	6.6
7.5°	18.5	17.6	16.7	15.8	14.8	13.8	12.7	11.9	11.2	10.5	9.8
10°	25.8	24.5	23.3	22.0	20.7	19.3	17.9	16.5	15.0	14.0	13.0
12.5°	33.0	31.5	29.9	28.2	26.5	24.8	23.1	21.3	19.5	17.6	16.2
15°	39.8	38.0	36.4	34.3	32.3	30.2	28.1	26.0	23.9	21.7	19.4
17.5°	46.5	44.3	42.2	40.0	37.8	35.5	33.1	30.7	28.2	25.7	23.1
20°	52.2	50.1	47.9	45.5	43.0	40.5	37.9	35.2	32.5	29.6	26.7
22.5°	57.7	55.3	53.0	50.7	48.0	45.2	42.4	39.5	36.5	33.5	30.3
25°	62.6	60.1	57.6	55.1	53.3	51.0	48.5	45.9	43.2	40.4	37.3
27.5°	68.1	66.1	64.5	62.7	60.8	58.8	56.3	53.6	50.8	47.8	44.6
30°	76.7	74.0	71.7	69.9	68.0	66.0	63.8	61.1	58.4	55.1	51.9
32.5°	85.4	81.8	79.1	76.8	74.9	72.9	70.8	68.3	65.4	62.3	58.9
35°	94.7	89.8	86.3	83.6	81.5	79.6	77.5	75.4	72.4	69.3	65.9
37.5°	103.4	98.2	93.2	90.3	88.0	85.9	83.9	81.8	79.1	76.3	72.7
40°	112.0	106.0	100.9	96.4	94.0	92.0	90.1	88.0	85.7	82.9	79.5
42.5°	120.3	113.8	107.8	103.1	99.8	97.8	96.1	94.1	92.0	89.3	86.2
45°	128.9	121.2	114.9	109.5	105.1	103.4	101.7	100.1	98.1	95.6	92.7
47.5°	137.0	129.0	121.7	115.6	111.0	109.5	109.8	109.8	109.4	108.5	106.7
50°	145.3	137.0	131.5	127.7	125.1	123.9	124.4	124.3	124.1	123.7	122.4
52.5°	158.6	152.6	147.5	143.3	140.1	138.5	138.9	138.8	138.6	138.9	137.7
55°	173.1	167.3	162.6	158.6	155.0	153.4	153.2	153.3	152.9	153.7	153.0
57.5°	186.5	180.9	176.9	173.3	170.0	168.0	167.5	167.9	167.0	168.3	168.1
60°	198.4	193.4	190.0	187.4	184.7	182.4	181.8	182.4	181.4	182.8	183.2
62.5°	209.0	205.1	202.4	200.7	199.1	196.5	196.1	196.7	195.9	197.1	198.2
65°	218.7	215.6	214.0	213.3	213.0	210.7	210.3	210.9	210.3	211.3	213.2
67.5°	227.6	225.1	224.8	225.3	226.1	224.8	224.4	225.1	224.7	225.4	228.1
70°	235.9	233.9	234.9	236.1	236.8	235.6	234.4	234.4	233.8	233.3	233.4
72.5°	242.5	239.0	238.1	239.0	240.5	240.8	240.3	240.7	240.8	240.0	237.8
75°	247.6	242.7	240.6	241.6	244.0	245.7	246.1	247.0	247.5	247.1	242.6
77.5°	252.9	246.6	243.2	244.0	247.3	250.3	251.8	253.3	254.1	254.5	247.6
80°	258.2	250.6	245.8	246.3	250.4	254.7	257.4	259.5	260.6	262.0	252.9
82.5°	263.5	254.6	248.5	248.5	253.5	258.9	263.0	265.7	267.0	269.7	259.1
85°	268.7	258.6	251.2	250.6	256.6	262.9	268.4	271.8	273.3	277.6	264.0
87.5°	273.9	262.6	253.9	252.8	259.7	267.1	274.1	278.1	279.7	285.1	269.0
90°	278.4	266.2	256.5	255.2	263.0	271.4	279.7	284.3	286.2	292.6	273.9
92.5°	273.9	262.6	253.9	252.8	259.7	267.1	274.1	278.1	279.7	285.1	269.0
95°	268.7	258.6	251.2	250.6	256.6	262.9	268.4	271.8	273.3	277.6	264.0
97.5°	263.5	254.6	248.5	248.5	253.5	258.9	263.0	265.7	267.0	269.7	259.1
100°	258.2	250.6	245.8	246.3	250.4	254.7	257.4	259.5	260.6	262.0	252.9
102.5°	252.9	246.6	243.2	244.0	247.3	250.3	251.8	253.3	254.1	254.5	247.6
105°	247.6	242.7	240.6	241.6	244.0	245.7	246.1	247.0	247.5	247.1	242.6
107.5°	242.5	239.0	238.1	239.0	240.5	240.8	240.3	240.7	240.8	240.0	237.8
110°	235.9	233.9	234.9	236.1	236.8	235.6	234.4	234.4	233.8	233.3	233.4



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	227.6	225.1	224.8	225.3	226.1	224.8	224.4	225.1	224.7	225.4	228.1
115°	218.7	215.6	214.0	213.3	213.0	210.7	210.3	210.9	210.3	211.3	213.2
117.5°	209.0	205.1	202.4	200.7	199.1	196.5	196.1	196.7	195.9	197.1	198.2
120°	198.4	193.4	190.0	187.4	184.7	182.4	181.8	182.4	181.4	182.8	183.2
122.5°	186.5	180.9	176.9	173.3	170.0	168.0	167.5	167.9	167.0	168.3	168.1
125°	173.1	167.3	162.6	158.6	155.0	153.4	153.2	153.3	152.9	153.7	153.0
127.5°	158.6	152.6	147.5	143.3	140.1	138.5	138.9	138.8	138.6	138.9	137.7
130°	145.3	137.0	131.5	127.7	125.1	123.9	124.4	124.3	124.1	123.7	122.4
132.5°	137.0	129.0	121.7	115.6	111.0	109.5	109.8	109.8	109.4	108.5	106.7
135°	128.9	121.2	114.9	109.5	105.1	103.4	101.7	100.1	98.1	95.6	92.7
137.5°	120.3	113.8	107.8	103.1	99.8	97.8	96.1	94.1	92.0	89.3	86.2
140°	112.0	106.0	100.9	96.4	94.0	92.0	90.1	88.0	85.7	82.9	79.5
142.5°	103.4	98.2	93.2	90.3	88.0	85.9	83.9	81.8	79.1	76.3	72.7
145°	94.7	89.8	86.3	83.6	81.5	79.6	77.5	75.4	72.4	69.3	65.9
147.5°	85.4	81.8	79.1	76.8	74.9	72.9	70.8	68.3	65.4	62.3	58.9
150°	76.7	74.0	71.7	69.9	68.0	66.0	63.8	61.1	58.4	55.1	51.9
152.5°	68.1	66.1	64.5	62.7	60.8	58.8	56.3	53.6	50.8	47.8	44.6
155°	62.6	60.1	57.6	55.1	53.3	51.0	48.5	45.9	43.2	40.4	37.3
157.5°	57.7	55.3	53.0	50.7	48.0	45.2	42.4	39.5	36.5	33.5	30.3
160°	52.2	50.1	47.9	45.5	43.0	40.5	37.9	35.2	32.5	29.6	26.7
162.5°	46.5	44.3	42.2	40.0	37.8	35.5	33.1	30.7	28.2	25.7	23.1
165°	39.8	38.0	36.4	34.3	32.3	30.2	28.1	26.0	23.9	21.7	19.4
167.5°	33.0	31.5	29.9	28.2	26.5	24.8	23.1	21.3	19.5	17.6	16.2
170°	25.8	24.5	23.3	22.0	20.7	19.3	17.9	16.5	15.0	14.0	13.0
172.5°	18.5	17.6	16.7	15.8	14.8	13.8	12.7	11.9	11.2	10.5	9.8
175°	11.3	10.7	10.1	9.7	9.3	8.9	8.5	8.0	7.5	7.1	6.6
177.5°	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.0	3.8	3.5	3.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.0	2.8	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1
5°	6.0	5.5	5.0	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.2
7.5°	9.0	8.3	7.5	6.7	6.6	6.6	6.5	6.4	6.4	6.3	6.2
10°	12.0	11.0	9.9	8.9	8.8	8.7	8.7	8.5	8.4	8.3	8.2
12.5°	14.9	13.7	12.4	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.2
15°	17.9	16.4	14.9	13.3	13.2	13.0	12.9	12.7	12.6	12.4	12.3
17.5°	20.8	19.1	17.3	15.6	15.4	15.2	14.9	14.8	14.7	14.5	14.4
20°	23.7	21.7	19.8	17.8	17.5	17.3	17.0	16.9	16.8	16.6	16.4
22.5°	27.0	24.4	22.2	20.0	19.7	19.4	19.2	19.0	18.9	18.7	18.5
25°	34.0	31.1	29.0	26.7	26.5	26.2	25.8	25.5	25.0	24.3	23.5
27.5°	41.2	37.9	35.7	33.5	33.3	33.1	32.9	32.7	32.1	31.4	30.3
30°	48.3	44.7	42.5	40.2	40.2	40.1	40.1	39.9	39.2	38.4	36.6
32.5°	55.3	51.6	49.2	46.9	47.1	47.2	47.3	47.1	46.3	44.9	42.7
35°	62.3	58.4	55.9	53.7	54.0	54.3	54.5	54.2	53.3	51.1	48.3
37.5°	69.1	65.2	62.5	60.4	61.0	61.4	61.8	61.3	60.4	57.0	53.2
40°	75.8	72.0	69.1	67.1	67.9	68.6	69.1	68.4	66.6	62.7	57.5
42.5°	82.4	78.6	75.7	73.9	74.9	75.8	76.5	75.5	72.6	68.3	61.4
45°	89.0	85.2	82.3	80.6	81.9	83.0	83.6	82.6	78.5	72.6	65.0
47.5°	102.3	96.8	91.6	87.8	87.1	86.6	86.0	84.9	80.2	74.0	66.8
50°	116.6	108.9	101.0	94.9	92.2	89.8	87.8	85.6	80.3	73.7	67.2
52.5°	131.2	121.4	110.6	102.1	97.1	92.8	89.4	86.1	80.4	73.8	68.0
55°	146.1	134.2	120.3	109.2	101.8	95.5	90.9	86.5	80.5	74.3	69.4
57.5°	161.2	147.2	130.2	116.4	106.5	98.1	92.2	86.9	80.7	75.1	71.1
60°	176.5	160.5	140.2	123.5	111.0	100.4	93.5	87.4	81.3	76.5	73.4
62.5°	192.0	173.9	150.2	130.7	115.5	102.6	94.7	87.9	82.0	78.2	76.0
65°	207.6	187.5	160.3	137.8	119.9	104.6	95.7	88.3	82.9	80.2	79.1
67.5°	223.3	201.3	170.5	145.0	124.2	106.6	96.8	88.8	84.1	82.4	82.4
70°	225.8	201.5	169.6	143.7	122.9	105.5	95.9	87.8	83.6	82.5	83.3
72.5°	227.3	201.2	168.6	142.4	121.6	104.3	94.9	86.6	82.7	81.7	82.7
75°	228.9	200.7	168.4	141.1	120.4	103.3	94.0	85.5	81.8	80.8	82.0
77.5°	230.4	200.1	167.0	139.8	119.3	102.3	93.2	84.4	81.0	79.9	81.4
80°	231.9	200.5	165.6	138.6	118.2	101.4	92.3	83.4	80.2	79.0	80.8
82.5°	234.2	199.2	164.2	137.3	117.1	100.6	91.6	82.4	79.4	78.1	80.1
85°	235.0	197.9	162.7	136.0	116.0	99.9	90.9	81.5	78.7	77.2	79.4
87.5°	235.8	196.6	161.3	134.7	115.1	99.2	90.2	80.7	78.0	76.3	78.7
90°	236.6	195.3	159.9	133.4	114.1	98.6	89.6	79.9	77.3	75.4	78.0
92.5°	235.8	196.6	161.3	134.7	115.1	99.2	90.2	80.7	78.0	76.3	78.7
95°	235.0	197.9	162.7	136.0	116.0	99.9	90.9	81.5	78.7	77.2	79.4
97.5°	234.2	199.2	164.2	137.3	117.1	100.6	91.6	82.4	79.4	78.1	80.1
100°	231.9	200.5	165.6	138.6	118.2	101.4	92.3	83.4	80.2	79.0	80.8
102.5°	230.4	200.1	167.0	139.8	119.3	102.3	93.2	84.4	81.0	79.9	81.4
105°	228.9	200.7	168.4	141.1	120.4	103.3	94.0	85.5	81.8	80.8	82.0
107.5°	227.3	201.2	168.6	142.4	121.6	104.3	94.9	86.6	82.7	81.7	82.7
110°	225.8	201.5	169.6	143.7	122.9	105.5	95.9	87.8	83.6	82.5	83.3



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	223.3	201.3	170.5	145.0	124.2	106.6	96.8	88.8	84.1	82.4	82.4
115°	207.6	187.5	160.3	137.8	119.9	104.6	95.7	88.3	82.9	80.2	79.1
117.5°	192.0	173.9	150.2	130.7	115.5	102.6	94.7	87.9	82.0	78.2	76.0
120°	176.5	160.5	140.2	123.5	111.0	100.4	93.5	87.4	81.3	76.5	73.4
122.5°	161.2	147.2	130.2	116.4	106.5	98.1	92.2	86.9	80.7	75.1	71.1
125°	146.1	134.2	120.3	109.2	101.8	95.5	90.9	86.5	80.5	74.3	69.4
127.5°	131.2	121.4	110.6	102.1	97.1	92.8	89.4	86.1	80.4	73.8	68.0
130°	116.6	108.9	101.0	94.9	92.2	89.8	87.8	85.6	80.3	73.7	67.2
132.5°	102.3	96.8	91.6	87.8	87.1	86.6	86.0	84.9	80.2	74.0	66.8
135°	89.0	85.2	82.3	80.6	81.9	83.0	83.6	82.6	78.5	72.6	65.0
137.5°	82.4	78.6	75.7	73.9	74.9	75.8	76.5	75.5	72.6	68.3	61.4
140°	75.8	72.0	69.1	67.1	67.9	68.6	69.1	68.4	66.6	62.7	57.5
142.5°	69.1	65.2	62.5	60.4	61.0	61.4	61.8	61.3	60.4	57.0	53.2
145°	62.3	58.4	55.9	53.7	54.0	54.3	54.5	54.2	53.3	51.1	48.3
147.5°	55.3	51.6	49.2	46.9	47.1	47.2	47.3	47.1	46.3	44.9	42.7
150°	48.3	44.7	42.5	40.2	40.2	40.1	40.1	39.9	39.2	38.4	36.6
152.5°	41.2	37.9	35.7	33.5	33.3	33.1	32.9	32.7	32.1	31.4	30.3
155°	34.0	31.1	29.0	26.7	26.5	26.2	25.8	25.5	25.0	24.3	23.5
157.5°	27.0	24.4	22.2	20.0	19.7	19.4	19.2	19.0	18.9	18.7	18.5
160°	23.7	21.7	19.8	17.8	17.5	17.3	17.0	16.9	16.8	16.6	16.4
162.5°	20.8	19.1	17.3	15.6	15.4	15.2	14.9	14.8	14.7	14.5	14.4
165°	17.9	16.4	14.9	13.3	13.2	13.0	12.9	12.7	12.6	12.4	12.3
167.5°	14.9	13.7	12.4	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.2
170°	12.0	11.0	9.9	8.9	8.8	8.7	8.7	8.5	8.4	8.3	8.2
172.5°	9.0	8.3	7.5	6.7	6.6	6.6	6.5	6.4	6.4	6.3	6.2
175°	6.0	5.5	5.0	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.2
177.5°	3.0	2.8	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5
5°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0
7.5°	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.1	4.9	4.8	4.6
10°	8.1	7.9	7.8	7.6	7.4	7.3	7.0	6.8	6.6	6.4	6.1
12.5°	10.1	9.9	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.0	7.6
15°	12.1	11.9	11.7	11.5	11.2	10.9	10.6	10.3	9.9	9.6	9.1
17.5°	14.2	13.9	13.7	13.4	13.1	12.8	12.4	12.0	11.5	11.0	10.5
20°	16.2	15.9	15.7	15.3	15.0	14.5	14.0	13.5	12.9	12.5	12.0
22.5°	18.2	18.0	17.6	17.3	16.7	16.1	15.6	15.1	14.6	14.1	13.6
25°	22.5	21.4	20.3	19.0	18.3	17.8	17.4	16.9	16.3	15.8	15.2
27.5°	28.9	27.4	25.5	23.7	22.3	20.9	19.7	18.7	18.1	17.3	16.4
30°	34.8	32.4	30.0	28.0	26.1	24.5	23.0	21.6	20.1	18.7	17.6
32.5°	40.0	36.9	34.1	31.6	29.3	27.3	25.4	23.6	21.9	20.5	19.2
35°	44.5	40.7	37.5	34.6	32.0	29.5	27.2	25.2	23.5	22.0	20.8
37.5°	48.5	44.3	40.4	37.1	34.0	31.2	28.7	26.6	24.9	23.5	22.1
40°	52.0	47.3	42.9	39.0	35.6	32.4	30.0	27.9	26.3	24.7	23.1
42.5°	55.3	49.8	45.0	40.7	36.8	33.8	31.2	29.2	27.3	25.6	24.0
45°	58.2	52.1	46.7	42.0	38.0	34.8	32.4	30.2	28.3	26.5	24.9
47.5°	60.2	54.0	48.2	43.0	39.2	36.0	33.4	31.2	29.2	27.4	25.8
50°	61.1	55.7	50.5	45.6	41.2	37.3	34.4	32.1	30.2	28.4	26.8
52.5°	62.8	58.0	53.4	49.5	45.7	41.7	37.9	34.4	31.2	29.6	27.9
55°	65.0	61.0	57.2	54.0	50.3	46.3	42.3	38.6	35.3	32.1	29.1
57.5°	67.8	64.5	61.6	58.8	55.0	50.8	46.7	42.8	39.0	35.4	31.8
60°	70.9	68.5	66.6	63.7	59.8	55.4	51.0	46.6	42.4	38.2	34.1
62.5°	74.5	72.9	71.9	68.8	64.6	59.9	55.1	50.2	45.4	40.5	36.2
65°	78.5	77.8	77.5	74.0	69.3	64.3	59.0	53.5	48.1	42.6	38.0
67.5°	82.8	83.1	82.8	79.2	74.2	68.7	62.6	56.6	50.4	44.6	39.5
70°	84.7	86.4	86.7	83.9	78.9	73.0	66.2	59.6	52.6	46.4	40.8
72.5°	84.3	86.2	86.4	83.9	79.8	74.6	68.3	61.8	54.7	48.1	42.1
75°	83.9	86.0	86.3	84.2	80.5	75.4	69.3	62.7	55.9	49.4	43.3
77.5°	83.4	85.8	86.4	84.8	81.5	76.5	70.5	64.0	57.4	50.8	44.5
80°	83.0	85.6	86.6	85.6	82.7	77.8	71.9	65.6	59.1	52.3	45.8
82.5°	82.6	85.4	87.0	86.6	84.0	79.4	73.6	67.6	61.0	54.0	47.2
85°	82.2	85.1	87.4	87.8	85.6	81.1	75.5	69.8	63.2	55.9	48.8
87.5°	81.7	84.8	87.9	89.0	87.2	83.0	77.6	72.2	65.6	58.1	50.7
90°	81.2	84.4	88.3	90.2	88.9	85.1	79.9	74.8	68.3	60.6	52.9
92.5°	81.7	84.8	87.9	89.0	87.2	83.0	77.6	72.2	65.6	58.1	50.7
95°	82.2	85.1	87.4	87.8	85.6	81.1	75.5	69.8	63.2	55.9	48.8
97.5°	82.6	85.4	87.0	86.6	84.0	79.4	73.6	67.6	61.0	54.0	47.2
100°	83.0	85.6	86.6	85.6	82.7	77.8	71.9	65.6	59.1	52.3	45.8
102.5°	83.4	85.8	86.4	84.8	81.5	76.5	70.5	64.0	57.4	50.8	44.5
105°	83.9	86.0	86.3	84.2	80.5	75.4	69.3	62.7	55.9	49.4	43.3
107.5°	84.3	86.2	86.4	83.9	79.8	74.6	68.3	61.8	54.7	48.1	42.1
110°	84.7	86.4	86.7	83.9	78.9	73.0	66.2	59.6	52.6	46.4	40.8



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	82.8	83.1	82.8	79.2	74.2	68.7	62.6	56.6	50.4	44.6	39.5
115°	78.5	77.8	77.5	74.0	69.3	64.3	59.0	53.5	48.1	42.6	38.0
117.5°	74.5	72.9	71.9	68.8	64.6	59.9	55.1	50.2	45.4	40.5	36.2
120°	70.9	68.5	66.6	63.8	59.8	55.4	51.0	46.6	42.4	38.2	34.1
122.5°	67.8	64.5	61.6	58.8	55.0	50.8	46.7	42.8	39.0	35.4	31.8
125°	65.0	61.0	57.2	54.0	50.3	46.3	42.3	38.6	35.3	32.1	29.1
127.5°	62.8	58.0	53.4	49.5	45.7	41.7	37.9	34.4	31.2	29.6	27.9
130°	61.1	55.7	50.5	45.6	41.2	37.3	34.4	32.1	30.2	28.4	26.8
132.5°	60.2	54.0	48.2	43.0	39.2	36.0	33.4	31.2	29.2	27.4	25.8
135°	58.2	52.1	46.7	42.0	38.0	34.8	32.4	30.2	28.3	26.5	24.9
137.5°	55.3	49.8	45.0	40.7	36.8	33.8	31.2	29.2	27.3	25.6	24.0
140°	52.0	47.3	42.9	39.0	35.6	32.4	30.0	27.9	26.3	24.7	23.1
142.5°	48.5	44.3	40.4	37.1	34.0	31.2	28.7	26.6	24.9	23.5	22.1
145°	44.5	40.7	37.5	34.6	32.0	29.5	27.2	25.2	23.5	22.0	20.8
147.5°	40.0	36.9	34.1	31.6	29.3	27.3	25.4	23.6	21.9	20.5	19.2
150°	34.8	32.4	30.0	28.0	26.1	24.5	23.0	21.6	20.1	18.7	17.6
152.5°	28.9	27.4	25.5	23.7	22.3	20.9	19.7	18.7	18.1	17.3	16.4
155°	22.5	21.4	20.3	19.0	18.3	17.8	17.4	16.9	16.3	15.8	15.2
157.5°	18.2	18.0	17.6	17.3	16.7	16.1	15.6	15.1	14.6	14.1	13.6
160°	16.2	15.9	15.7	15.3	15.0	14.5	14.0	13.5	12.9	12.5	12.0
162.5°	14.2	13.9	13.7	13.4	13.1	12.8	12.4	12.0	11.5	11.0	10.5
165°	12.1	11.9	11.7	11.5	11.2	10.9	10.6	10.3	9.9	9.6	9.1
167.5°	10.1	9.9	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.0	7.6
170°	8.1	7.9	7.8	7.6	7.4	7.3	7.0	6.8	6.6	6.4	6.1
172.5°	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.1	4.9	4.8	4.6
175°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0
177.5°	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5
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: P232042

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.5	1.4	1.3	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.6
5°	2.9	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.3
7.5°	4.4	4.1	3.9	3.7	3.5	3.2	3.0	2.7	2.5	2.2	1.9
10°	5.8	5.5	5.3	5.0	4.6	4.3	4.0	3.7	3.3	3.0	2.6
12.5°	7.3	7.0	6.6	6.2	5.8	5.4	4.9	4.5	4.1	3.6	3.2
15°	8.7	8.2	7.8	7.3	6.8	6.3	5.9	5.4	4.9	4.4	3.8
17.5°	10.0	9.5	9.0	8.5	8.0	7.4	6.9	6.3	5.7	5.1	4.5
20°	11.5	10.9	10.4	9.8	9.2	8.6	7.9	7.2	6.5	5.8	5.1
22.5°	13.0	12.4	11.7	11.0	10.2	9.5	8.7	7.9	7.1	6.4	5.6
25°	14.4	13.6	12.8	11.9	11.1	10.3	9.5	8.6	7.8	7.0	6.2
27.5°	15.5	14.7	13.8	12.9	12.1	11.3	10.5	9.6	8.7	7.7	6.8
30°	16.7	15.7	15.0	14.2	13.3	12.3	11.3	10.3	9.3	8.3	7.2
32.5°	18.1	17.2	16.3	15.3	14.2	13.1	12.0	10.9	9.8	8.7	7.6
35°	19.7	18.5	17.3	16.2	15.0	13.9	12.6	11.3	10.0	8.8	7.7
37.5°	20.8	19.5	18.2	17.0	15.6	14.1	12.8	11.6	10.5	9.3	8.1
40°	21.7	20.3	18.9	17.4	15.9	14.7	13.4	12.2	10.9	9.7	8.5
42.5°	22.5	21.0	19.4	18.1	16.7	15.3	14.0	12.6	11.4	10.1	8.8
45°	23.3	21.7	20.3	18.9	17.3	15.9	14.5	13.2	11.8	10.4	9.1
47.5°	24.2	22.7	21.1	19.4	17.9	16.5	15.0	13.6	12.2	10.8	9.4
50°	25.2	23.5	21.7	20.1	18.6	16.9	15.4	14.0	12.6	11.2	9.8
52.5°	26.1	24.1	22.5	20.8	18.9	17.3	15.9	14.4	12.9	11.5	10.0
55°	26.7	25.0	23.1	21.1	19.5	17.9	16.3	14.8	13.2	11.7	10.3
57.5°	28.6	25.9	23.5	21.7	20.1	18.4	16.8	15.1	13.6	12.0	10.5
60°	30.7	27.4	24.6	22.4	20.6	18.9	17.2	15.5	13.8	12.1	10.3
62.5°	32.3	28.7	25.9	23.4	21.3	19.4	17.6	15.7	13.8	11.8	9.9
65°	33.6	29.9	26.8	24.1	21.7	19.8	17.8	15.7	13.5	11.4	9.6
67.5°	34.8	31.0	27.6	24.5	21.9	19.7	17.5	15.4	13.0	10.8	9.0
70°	35.9	31.7	28.0	24.7	21.9	19.3	17.0	14.6	12.2	10.3	8.4
72.5°	36.9	32.4	28.3	24.7	21.7	19.0	16.3	13.6	11.6	9.7	7.8
75°	37.8	33.0	28.5	24.7	21.5	18.6	15.6	13.2	11.1	9.0	7.0
77.5°	38.8	33.6	28.8	24.7	21.4	18.2	15.0	13.0	10.7	8.4	6.4
80°	39.8	34.3	29.2	24.9	21.1	17.7	14.8	12.8	10.2	7.8	5.7
82.5°	41.0	35.0	29.6	25.0	20.9	17.2	14.3	11.9	9.6	7.2	5.0
85°	42.4	36.0	30.2	25.3	20.8	16.8	13.7	11.1	8.9	6.6	4.7
87.5°	43.9	37.2	31.1	25.7	20.9	16.7	13.2	10.6	8.5	6.3	4.8
90°	45.8	38.7	32.2	26.4	21.3	16.8	12.9	10.3	8.4	6.4	5.2
92.5°	43.9	37.2	31.1	25.7	20.9	16.7	13.2	10.6	8.5	6.3	4.8
95°	42.4	36.0	30.2	25.3	20.8	16.8	13.7	11.1	8.9	6.6	4.7
97.5°	41.0	35.0	29.6	25.0	20.9	17.2	14.3	11.9	9.6	7.2	5.0
100°	39.8	34.3	29.2	24.9	21.1	17.7	14.8	12.8	10.2	7.8	5.7
102.5°	38.8	33.6	28.8	24.7	21.4	18.2	15.0	13.0	10.7	8.4	6.4
105°	37.8	33.0	28.5	24.7	21.5	18.6	15.6	13.2	11.1	9.0	7.0
107.5°	36.9	32.4	28.3	24.7	21.7	19.0	16.3	13.6	11.6	9.7	7.8
110°	35.9	31.7	28.0	24.7	21.9	19.3	17.0	14.6	12.2	10.3	8.4





TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	34.8	31.0	27.6	24.5	21.9	19.7	17.5	15.4	13.0	10.8	9.0
115°	33.6	29.9	26.8	24.1	21.7	19.8	17.8	15.7	13.5	11.4	9.6
117.5°	32.3	28.7	25.9	23.4	21.3	19.4	17.6	15.7	13.8	11.8	9.9
120°	30.7	27.4	24.6	22.4	20.6	18.9	17.2	15.5	13.8	12.1	10.3
122.5°	28.6	25.9	23.5	21.7	20.1	18.4	16.8	15.1	13.6	12.0	10.5
125°	26.7	25.0	23.1	21.1	19.5	17.9	16.3	14.8	13.2	11.7	10.3
127.5°	26.1	24.1	22.5	20.8	18.9	17.3	15.9	14.4	12.9	11.5	10.0
130°	25.2	23.5	21.7	20.1	18.6	16.9	15.4	14.0	12.6	11.2	9.8
132.5°	24.2	22.7	21.1	19.4	17.9	16.5	15.0	13.6	12.2	10.8	9.4
135°	23.3	21.7	20.3	18.9	17.3	15.9	14.5	13.2	11.8	10.4	9.1
137.5°	22.5	21.0	19.4	18.1	16.7	15.3	14.0	12.6	11.4	10.1	8.8
140°	21.7	20.3	18.9	17.4	15.9	14.7	13.4	12.2	10.9	9.7	8.5
142.5°	20.8	19.5	18.2	17.0	15.6	14.1	12.8	11.6	10.5	9.3	8.1
145°	19.7	18.5	17.3	16.2	15.0	13.9	12.6	11.3	10.0	8.8	7.7
147.5°	18.1	17.2	16.3	15.3	14.2	13.1	12.0	10.9	9.8	8.7	7.6
150°	16.7	15.7	15.0	14.2	13.3	12.3	11.3	10.3	9.3	8.3	7.2
152.5°	15.5	14.7	13.8	12.9	12.1	11.3	10.5	9.6	8.7	7.7	6.8
155°	14.4	13.6	12.8	11.9	11.1	10.3	9.5	8.6	7.8	7.0	6.2
157.5°	13.0	12.4	11.7	11.0	10.2	9.5	8.7	7.9	7.1	6.4	5.6
160°	11.5	10.9	10.4	9.8	9.2	8.6	7.9	7.2	6.5	5.8	5.1
162.5°	10.0	9.5	9.0	8.5	8.0	7.4	6.9	6.3	5.7	5.1	4.5
165°	8.7	8.2	7.8	7.3	6.8	6.3	5.9	5.4	4.9	4.4	3.8
167.5°	7.3	7.0	6.6	6.2	5.8	5.4	4.9	4.5	4.1	3.6	3.2
170°	5.8	5.5	5.3	5.0	4.6	4.3	4.0	3.7	3.3	3.0	2.6
172.5°	4.4	4.1	3.9	3.7	3.5	3.2	3.0	2.7	2.5	2.2	1.9
175°	2.9	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.3
177.5°	1.5	1.4	1.3	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
5°	1.1	0.9	0.7	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.7
7.5°	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
10°	2.2	1.9	1.5	1.1	0.8	0.4	0.0	0.4	0.8	1.1	1.5
12.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.8
15°	3.3	2.8	2.2	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.2
17.5°	3.9	3.2	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
20°	4.4	3.6	2.9	2.2	1.5	0.7	0.0	0.7	1.5	2.2	2.9
22.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
25°	5.3	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
27.5°	5.8	4.8	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
30°	6.2	5.2	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
32.5°	6.4	5.3	4.2	3.2	2.1	1.0	0.0	1.0	2.1	3.2	4.2
35°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
37.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
40°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
42.5°	7.5	6.3	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
45°	7.8	6.5	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
47.5°	8.1	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
50°	8.3	6.9	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
52.5°	8.5	7.1	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
55°	8.8	7.3	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
57.5°	9.0	7.3	5.7	4.2	2.7	1.3	0.0	1.3	2.7	4.2	5.7
60°	8.6	7.0	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
62.5°	8.4	7.1	5.4	3.9	2.5	1.2	0.0	1.2	2.5	3.9	5.4
65°	7.9	6.4	4.9	3.5	2.2	1.1	0.0	1.1	2.2	3.5	4.9
67.5°	7.3	5.7	4.4	3.3	2.3	1.5	0.6	1.5	2.3	3.3	4.4
70°	6.6	5.2	4.2	3.2	2.3	1.4	0.6	1.4	2.3	3.2	4.2
72.5°	6.0	4.8	3.8	3.0	2.1	1.3	0.6	1.3	2.1	3.0	3.8
75°	5.6	4.3	3.1	2.4	1.8	1.2	0.6	1.2	1.8	2.4	3.1
77.5°	4.9	3.3	2.3	1.6	0.7	0.1	0.0	0.1	0.7	1.6	2.3
80°	3.9	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
82.5°	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.9	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
102.5°	4.9	3.3	2.3	1.6	0.7	0.1	0.0	0.1	0.7	1.6	2.3
105°	5.6	4.3	3.1	2.4	1.8	1.2	0.6	1.2	1.8	2.4	3.1
107.5°	6.0	4.8	3.8	3.0	2.1	1.3	0.6	1.3	2.1	3.0	3.8
110°	6.6	5.2	4.2	3.2	2.3	1.4	0.6	1.4	2.3	3.2	4.2



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	7.3	5.7	4.4	3.3	2.3	1.5	0.6	1.5	2.3	3.3	4.4
115°	7.9	6.4	4.9	3.5	2.2	1.1	0.0	1.1	2.2	3.5	4.9
117.5°	8.4	7.1	5.4	3.9	2.5	1.2	0.0	1.2	2.5	3.9	5.4
120°	8.6	7.0	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
122.5°	9.0	7.3	5.7	4.2	2.7	1.3	0.0	1.3	2.7	4.2	5.7
125°	8.8	7.3	5.8	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.8
127.5°	8.5	7.1	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
130°	8.3	6.9	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
132.5°	8.1	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
135°	7.8	6.5	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
137.5°	7.5	6.3	5.0	3.7	2.5	1.2	0.0	1.2	2.5	3.7	5.0
140°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
142.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
145°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
147.5°	6.4	5.3	4.2	3.2	2.1	1.0	0.0	1.0	2.1	3.2	4.2
150°	6.2	5.2	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
152.5°	5.8	4.8	3.9	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9
155°	5.3	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
157.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
160°	4.4	3.6	2.9	2.2	1.5	0.7	0.0	0.7	1.5	2.2	2.9
162.5°	3.9	3.2	2.6	2.0	1.3	0.7	0.0	0.7	1.3	2.0	2.6
165°	3.3	2.8	2.2	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.2
167.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.8
170°	2.2	1.9	1.5	1.1	0.8	0.4	0.0	0.4	0.8	1.1	1.5
172.5°	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
175°	1.1	0.9	0.7	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.7
177.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.3
5°	0.9	1.1	1.3	1.5	1.6	1.8	2.0	2.1	2.3	2.5	2.6
7.5°	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.2	3.5	3.7	3.9
10°	1.9	2.2	2.6	3.0	3.3	3.7	4.0	4.3	4.6	5.0	5.3
12.5°	2.3	2.7	3.2	3.6	4.1	4.5	4.9	5.4	5.8	6.2	6.6
15°	2.8	3.3	3.8	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.8
17.5°	3.2	3.9	4.5	5.1	5.7	6.3	6.9	7.4	8.0	8.5	9.0
20°	3.6	4.4	5.1	5.8	6.5	7.2	7.9	8.6	9.2	9.8	10.4
22.5°	4.0	4.8	5.6	6.4	7.1	7.9	8.7	9.5	10.2	11.0	11.7
25°	4.5	5.3	6.2	7.0	7.8	8.6	9.5	10.3	11.1	11.9	12.8
27.5°	4.8	5.8	6.8	7.7	8.7	9.6	10.5	11.3	12.1	12.9	13.8
30°	5.2	6.2	7.2	8.3	9.3	10.3	11.3	12.3	13.3	14.2	15.0
32.5°	5.3	6.4	7.6	8.7	9.8	10.9	12.0	13.1	14.2	15.3	16.3
35°	5.5	6.6	7.7	8.8	10.0	11.3	12.6	13.9	15.0	16.2	17.3
37.5°	5.8	6.9	8.1	9.3	10.5	11.6	12.8	14.1	15.6	17.0	18.2
40°	6.0	7.2	8.5	9.7	10.9	12.2	13.4	14.7	15.9	17.4	18.9
42.5°	6.3	7.5	8.8	10.1	11.4	12.6	14.0	15.3	16.7	18.1	19.4
45°	6.5	7.8	9.1	10.4	11.8	13.2	14.5	15.9	17.3	18.9	20.3
47.5°	6.7	8.1	9.4	10.8	12.2	13.6	15.0	16.5	17.9	19.4	21.1
50°	6.9	8.3	9.8	11.2	12.6	14.0	15.4	16.9	18.6	20.1	21.7
52.5°	7.1	8.5	10.0	11.5	12.9	14.4	15.9	17.3	18.9	20.8	22.5
55°	7.3	8.8	10.3	11.7	13.2	14.8	16.3	17.9	19.5	21.1	23.1
57.5°	7.3	9.0	10.5	12.0	13.6	15.1	16.8	18.4	20.1	21.7	23.5
60°	7.0	8.6	10.3	12.1	13.8	15.5	17.2	18.9	20.6	22.4	24.6
62.5°	7.1	8.4	9.9	11.8	13.8	15.7	17.6	19.4	21.3	23.4	25.9
65°	6.4	7.9	9.6	11.4	13.5	15.7	17.8	19.8	21.7	24.1	26.8
67.5°	5.7	7.3	9.0	10.8	13.0	15.4	17.5	19.7	21.9	24.5	27.6
70°	5.2	6.6	8.4	10.3	12.2	14.6	17.0	19.3	21.9	24.7	28.0
72.5°	4.8	6.0	7.8	9.7	11.6	13.6	16.3	19.0	21.7	24.7	28.3
75°	4.3	5.6	7.0	9.0	11.1	13.2	15.6	18.6	21.5	24.7	28.5
77.5°	3.3	4.9	6.4	8.4	10.7	13.0	15.0	18.2	21.4	24.7	28.8
80°	2.5	3.9	5.7	7.8	10.2	12.8	14.8	17.7	21.1	24.9	29.2
82.5°	1.6	3.2	5.0	7.2	9.6	11.9	14.3	17.2	20.9	25.0	29.6
85°	0.7	2.8	4.7	6.6	8.9	11.1	13.7	16.8	20.8	25.3	30.2
87.5°	0.2	2.8	4.8	6.3	8.5	10.6	13.2	16.7	20.9	25.7	31.1
90°	0.0	3.2	5.2	6.4	8.4	10.3	12.9	16.8	21.3	26.4	32.2
92.5°	0.2	2.8	4.8	6.3	8.5	10.6	13.2	16.7	20.9	25.7	31.1
95°	0.7	2.8	4.7	6.6	8.9	11.1	13.7	16.8	20.8	25.3	30.2
97.5°	1.6	3.2	5.0	7.2	9.6	11.9	14.3	17.2	20.9	25.0	29.6
100°	2.5	3.9	5.7	7.8	10.2	12.8	14.8	17.7	21.1	24.9	29.2
102.5°	3.3	4.9	6.4	8.4	10.7	13.0	15.0	18.2	21.4	24.7	28.8
105°	4.3	5.6	7.0	9.0	11.1	13.2	15.6	18.6	21.5	24.7	28.5
107.5°	4.8	6.0	7.8	9.7	11.6	13.6	16.3	19.0	21.7	24.7	28.3
110°	5.2	6.6	8.4	10.3	12.2	14.6	17.0	19.3	21.9	24.7	28.0



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	5.7	7.3	9.0	10.8	13.0	15.4	17.5	19.7	21.9	24.5	27.6
115°	6.4	7.9	9.6	11.4	13.5	15.7	17.8	19.8	21.7	24.1	26.8
117.5°	7.1	8.4	9.9	11.8	13.8	15.7	17.6	19.4	21.3	23.4	25.9
120°	7.0	8.6	10.3	12.1	13.8	15.5	17.2	18.9	20.6	22.4	24.6
122.5°	7.3	9.0	10.5	12.0	13.6	15.1	16.8	18.4	20.1	21.7	23.5
125°	7.3	8.8	10.3	11.7	13.2	14.8	16.3	17.9	19.5	21.1	23.1
127.5°	7.1	8.5	10.0	11.5	12.9	14.4	15.9	17.3	18.9	20.8	22.5
130°	6.9	8.3	9.8	11.2	12.6	14.0	15.4	16.9	18.6	20.1	21.7
132.5°	6.7	8.1	9.4	10.8	12.2	13.6	15.0	16.5	17.9	19.4	21.1
135°	6.5	7.8	9.1	10.4	11.8	13.2	14.5	15.9	17.3	18.9	20.3
137.5°	6.3	7.5	8.8	10.1	11.4	12.6	14.0	15.3	16.7	18.1	19.4
140°	6.0	7.2	8.5	9.7	10.9	12.2	13.4	14.7	15.9	17.4	18.9
142.5°	5.8	6.9	8.1	9.3	10.5	11.6	12.8	14.1	15.6	17.0	18.2
145°	5.5	6.6	7.7	8.8	10.0	11.3	12.6	13.9	15.0	16.2	17.3
147.5°	5.3	6.4	7.6	8.7	9.8	10.9	12.0	13.1	14.2	15.3	16.3
150°	5.2	6.2	7.2	8.3	9.3	10.3	11.3	12.3	13.3	14.2	15.0
152.5°	4.8	5.8	6.8	7.7	8.7	9.6	10.5	11.3	12.1	12.9	13.8
155°	4.5	5.3	6.2	7.0	7.8	8.6	9.5	10.3	11.1	11.9	12.8
157.5°	4.0	4.8	5.6	6.4	7.1	7.9	8.7	9.5	10.2	11.0	11.7
160°	3.6	4.4	5.1	5.8	6.5	7.2	7.9	8.6	9.2	9.8	10.4
162.5°	3.2	3.9	4.5	5.1	5.7	6.3	6.9	7.4	8.0	8.5	9.0
165°	2.8	3.3	3.8	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.8
167.5°	2.3	2.7	3.2	3.6	4.1	4.5	4.9	5.4	5.8	6.2	6.6
170°	1.9	2.2	2.6	3.0	3.3	3.7	4.0	4.3	4.6	5.0	5.3
172.5°	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.2	3.5	3.7	3.9
175°	0.9	1.1	1.3	1.5	1.6	1.8	2.0	2.1	2.3	2.5	2.6
177.5°	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.3
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: P232042

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0
5°	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
7.5°	4.1	4.4	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.7	5.8
10°	5.5	5.8	6.1	6.4	6.6	6.8	7.0	7.3	7.4	7.6	7.8
12.5°	7.0	7.3	7.6	8.0	8.3	8.6	8.8	9.1	9.3	9.5	9.7
15°	8.2	8.7	9.1	9.6	9.9	10.3	10.6	10.9	11.2	11.5	11.7
17.5°	9.5	10.0	10.5	11.0	11.5	12.0	12.4	12.8	13.1	13.4	13.7
20°	10.9	11.5	12.0	12.5	12.9	13.5	14.0	14.5	15.0	15.3	15.7
22.5°	12.4	13.0	13.6	14.1	14.6	15.1	15.6	16.1	16.7	17.3	17.6
25°	13.6	14.4	15.2	15.8	16.3	16.9	17.4	17.8	18.3	19.0	20.3
27.5°	14.7	15.5	16.4	17.3	18.1	18.7	19.7	20.9	22.3	23.7	25.5
30°	15.7	16.7	17.6	18.7	20.1	21.6	23.0	24.5	26.1	28.0	30.0
32.5°	17.2	18.1	19.2	20.5	21.9	23.6	25.4	27.3	29.3	31.6	34.1
35°	18.5	19.7	20.8	22.0	23.5	25.2	27.2	29.5	32.0	34.6	37.5
37.5°	19.5	20.8	22.1	23.5	24.9	26.6	28.7	31.2	34.0	37.1	40.4
40°	20.3	21.7	23.1	24.7	26.3	27.9	30.0	32.4	35.6	39.0	42.9
42.5°	21.0	22.5	24.0	25.6	27.3	29.2	31.2	33.8	36.8	40.7	45.0
45°	21.7	23.3	24.9	26.5	28.3	30.2	32.4	34.8	38.0	42.0	46.7
47.5°	22.7	24.2	25.8	27.4	29.2	31.2	33.4	36.0	39.2	43.0	48.2
50°	23.5	25.2	26.8	28.4	30.2	32.1	34.4	37.3	41.2	45.6	50.5
52.5°	24.1	26.1	27.9	29.6	31.2	34.4	37.9	41.7	45.7	49.5	53.4
55°	25.0	26.7	29.1	32.1	35.3	38.6	42.3	46.3	50.3	54.0	57.2
57.5°	25.9	28.6	31.8	35.4	39.0	42.8	46.7	50.8	55.0	58.8	61.6
60°	27.4	30.7	34.1	38.2	42.4	46.6	51.0	55.4	59.8	63.7	66.6
62.5°	28.7	32.3	36.2	40.5	45.4	50.2	55.1	59.9	64.6	68.8	71.9
65°	29.9	33.6	38.0	42.6	48.1	53.5	59.0	64.3	69.3	74.0	77.5
67.5°	31.0	34.8	39.5	44.6	50.4	56.6	62.6	68.7	74.2	79.2	82.8
70°	31.7	35.9	40.8	46.4	52.6	59.6	66.2	73.0	78.9	83.9	86.7
72.5°	32.4	36.9	42.1	48.1	54.7	61.8	68.3	74.6	79.8	83.9	86.4
75°	33.0	37.8	43.3	49.4	55.9	62.7	69.3	75.4	80.5	84.2	86.3
77.5°	33.6	38.8	44.5	50.8	57.4	64.0	70.5	76.5	81.5	84.8	86.4
80°	34.3	39.8	45.8	52.3	59.1	65.6	71.9	77.8	82.7	85.6	86.6
82.5°	35.0	41.0	47.2	54.0	61.0	67.6	73.6	79.4	84.0	86.6	87.0
85°	36.0	42.4	48.8	55.9	63.2	69.8	75.5	81.1	85.6	87.8	87.4
87.5°	37.2	43.9	50.7	58.1	65.6	72.2	77.6	83.0	87.2	89.0	87.9
90°	38.7	45.8	52.9	60.6	68.3	74.8	79.9	85.1	88.9	90.2	88.3
92.5°	37.2	43.9	50.7	58.1	65.6	72.2	77.6	83.0	87.2	89.0	87.9
95°	36.0	42.4	48.8	55.9	63.2	69.8	75.5	81.1	85.6	87.8	87.4
97.5°	35.0	41.0	47.2	54.0	61.0	67.6	73.6	79.4	84.0	86.6	87.0
100°	34.3	39.8	45.8	52.3	59.1	65.6	71.9	77.8	82.7	85.6	86.6
102.5°	33.6	38.8	44.5	50.8	57.4	64.0	70.5	76.5	81.5	84.8	86.4
105°	33.0	37.8	43.3	49.4	55.9	62.7	69.3	75.4	80.5	84.2	86.3
107.5°	32.4	36.9	42.1	48.1	54.7	61.8	68.3	74.6	79.8	83.9	86.4
110°	31.7	35.9	40.8	46.4	52.6	59.6	66.2	73.0	78.9	83.9	86.7



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	31.0	34.8	39.5	44.6	50.4	56.6	62.6	68.7	74.2	79.2	82.8
115°	29.9	33.6	38.0	42.6	48.1	53.5	59.0	64.3	69.3	74.0	77.5
117.5°	28.7	32.3	36.2	40.5	45.4	50.2	55.1	59.9	64.6	68.8	71.9
120°	27.4	30.7	34.1	38.2	42.4	46.6	51.0	55.4	59.8	63.7	66.6
122.5°	25.9	28.6	31.8	35.4	39.0	42.8	46.7	50.8	55.0	58.8	61.6
125°	25.0	26.7	29.1	32.1	35.3	38.6	42.3	46.3	50.3	54.0	57.2
127.5°	24.1	26.1	27.9	29.6	31.2	34.4	37.9	41.7	45.7	49.5	53.4
130°	23.5	25.2	26.8	28.4	30.2	32.1	34.4	37.3	41.2	45.6	50.5
132.5°	22.7	24.2	25.8	27.4	29.2	31.2	33.4	36.0	39.2	43.0	48.2
135°	21.7	23.3	24.9	26.5	28.3	30.2	32.4	34.8	38.0	42.0	46.7
137.5°	21.0	22.5	24.0	25.6	27.3	29.2	31.2	33.8	36.8	40.7	45.0
140°	20.3	21.7	23.1	24.7	26.3	27.9	30.0	32.4	35.6	39.0	42.9
142.5°	19.5	20.8	22.1	23.5	24.9	26.6	28.7	31.2	34.0	37.1	40.4
145°	18.5	19.7	20.8	22.0	23.5	25.2	27.2	29.5	32.0	34.6	37.5
147.5°	17.2	18.1	19.2	20.5	21.9	23.6	25.4	27.3	29.3	31.6	34.1
150°	15.7	16.7	17.6	18.7	20.1	21.6	23.0	24.5	26.1	28.0	30.0
152.5°	14.7	15.5	16.4	17.3	18.1	18.7	19.7	20.9	22.3	23.7	25.5
155°	13.6	14.4	15.2	15.8	16.3	16.9	17.4	17.8	18.3	19.0	20.3
157.5°	12.4	13.0	13.6	14.1	14.6	15.1	15.6	16.1	16.7	17.3	17.6
160°	10.9	11.5	12.0	12.5	12.9	13.5	14.0	14.5	15.0	15.3	15.7
162.5°	9.5	10.0	10.5	11.0	11.5	12.0	12.4	12.8	13.1	13.4	13.7
165°	8.2	8.7	9.1	9.6	9.9	10.3	10.6	10.9	11.2	11.5	11.7
167.5°	7.0	7.3	7.6	8.0	8.3	8.6	8.8	9.1	9.3	9.5	9.7
170°	5.5	5.8	6.1	6.4	6.6	6.8	7.1	7.3	7.4	7.6	7.8
172.5°	4.1	4.4	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.7	5.8
175°	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
177.5°	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.5
5°	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.4	5.0
7.5°	5.9	6.0	6.2	6.3	6.4	6.4	6.5	6.6	6.6	6.7	7.5
10°	7.9	8.1	8.2	8.3	8.4	8.5	8.7	8.7	8.8	8.9	9.9
12.5°	9.9	10.1	10.2	10.4	10.5	10.6	10.8	10.9	11.0	11.1	12.4
15°	11.9	12.1	12.3	12.4	12.6	12.7	12.9	13.0	13.2	13.3	14.9
17.5°	13.9	14.2	14.4	14.5	14.7	14.8	14.9	15.2	15.4	15.6	17.3
20°	15.9	16.2	16.4	16.6	16.8	16.9	17.0	17.3	17.5	17.8	19.8
22.5°	18.0	18.2	18.5	18.7	18.9	19.0	19.2	19.4	19.7	20.0	22.2
25°	21.4	22.5	23.5	24.3	25.0	25.5	25.8	26.2	26.5	26.7	29.0
27.5°	27.4	28.9	30.3	31.4	32.1	32.7	32.9	33.1	33.3	33.5	35.7
30°	32.4	34.8	36.6	38.4	39.2	39.9	40.1	40.1	40.2	40.2	42.5
32.5°	36.9	40.0	42.7	44.9	46.3	47.1	47.3	47.2	47.1	46.9	49.2
35°	40.7	44.5	48.3	51.1	53.3	54.2	54.5	54.3	54.0	53.7	55.9
37.5°	44.3	48.5	53.2	57.0	60.4	61.3	61.8	61.4	61.0	60.4	62.5
40°	47.3	52.0	57.5	62.7	66.6	68.4	69.1	68.6	67.9	67.1	69.1
42.5°	49.8	55.3	61.4	68.3	72.6	75.5	76.5	75.8	74.9	73.9	75.7
45°	52.1	58.2	65.0	72.6	78.5	82.6	83.6	83.0	81.9	80.6	82.3
47.5°	54.0	60.2	66.8	74.0	80.2	84.9	86.0	86.6	87.1	87.8	91.6
50°	55.7	61.1	67.2	73.7	80.3	85.6	87.8	89.8	92.2	94.9	101.0
52.5°	58.0	62.8	68.0	73.8	80.4	86.1	89.4	92.8	97.1	102.1	110.6
55°	61.0	65.0	69.4	74.3	80.5	86.5	90.9	95.5	101.8	109.2	120.3
57.5°	64.5	67.8	71.1	75.1	80.7	86.9	92.2	98.1	106.5	116.4	130.2
60°	68.5	70.9	73.4	76.5	81.3	87.4	93.5	100.4	111.0	123.5	140.2
62.5°	72.9	74.5	76.0	78.2	82.0	87.9	94.7	102.6	115.5	130.7	150.2
65°	77.8	78.5	79.1	80.2	82.9	88.3	95.7	104.6	119.9	137.8	160.3
67.5°	83.1	82.8	82.4	82.4	84.1	88.8	96.8	106.6	124.2	145.0	170.5
70°	86.4	84.7	83.3	82.5	83.6	87.8	95.9	105.5	122.9	143.7	169.6
72.5°	86.2	84.3	82.7	81.7	82.7	86.6	94.9	104.3	121.6	142.4	168.6
75°	86.0	83.9	82.0	80.8	81.8	85.5	94.0	103.3	120.4	141.1	168.4
77.5°	85.8	83.4	81.4	79.9	81.0	84.4	93.2	102.3	119.3	139.8	167.0
80°	85.6	83.0	80.8	79.0	80.2	83.4	92.3	101.4	118.2	138.6	165.6
82.5°	85.4	82.6	80.1	78.1	79.4	82.4	91.6	100.6	117.1	137.3	164.2
85°	85.1	82.2	79.4	77.2	78.7	81.5	90.9	99.9	116.0	136.0	162.7
87.5°	84.8	81.7	78.7	76.3	78.0	80.7	90.2	99.2	115.1	134.7	161.3
90°	84.4	81.2	78.0	75.4	77.3	79.9	89.6	98.6	114.1	133.4	159.9
92.5°	84.8	81.7	78.7	76.3	78.0	80.7	90.2	99.2	115.1	134.7	161.3
95°	85.1	82.2	79.4	77.2	78.7	81.5	90.9	99.9	116.0	136.0	162.7
97.5°	85.4	82.6	80.1	78.1	79.4	82.4	91.6	100.6	117.1	137.3	164.2
100°	85.6	83.0	80.8	79.0	80.2	83.4	92.3	101.4	118.2	138.6	165.6
102.5°	85.8	83.4	81.4	79.9	81.0	84.4	93.2	102.3	119.3	139.8	167.0
105°	86.0	83.9	82.0	80.8	81.8	85.5	94.0	103.3	120.4	141.1	168.4
107.5°	86.2	84.3	82.7	81.7	82.7	86.6	94.9	104.3	121.6	142.4	168.6
110°	86.4	84.7	83.3	82.5	83.6	87.8	95.9	105.5	122.9	143.7	169.6





TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	83.1	82.8	82.4	82.4	84.1	88.8	96.8	106.6	124.2	145.0	170.5
115°	77.8	78.5	79.1	80.2	82.9	88.3	95.7	104.6	119.9	137.8	160.3
117.5°	72.9	74.5	76.0	78.2	82.0	87.9	94.7	102.6	115.5	130.7	150.2
120°	68.5	70.9	73.4	76.5	81.3	87.4	93.5	100.4	111.0	123.5	140.2
122.5°	64.5	67.8	71.1	75.1	80.7	86.9	92.2	98.1	106.5	116.4	130.2
125°	61.0	65.0	69.4	74.3	80.5	86.5	90.9	95.5	101.8	109.2	120.3
127.5°	58.0	62.8	68.0	73.8	80.4	86.1	89.4	92.8	97.1	102.1	110.6
130°	55.7	61.1	67.2	73.7	80.3	85.6	87.8	89.8	92.2	94.9	101.0
132.5°	54.0	60.2	66.8	74.0	80.2	84.9	86.0	86.6	87.1	87.8	91.6
135°	52.1	58.2	65.0	72.6	78.5	82.6	83.6	83.0	81.9	80.6	82.3
137.5°	49.8	55.3	61.4	68.3	72.6	75.5	76.5	75.8	74.9	73.9	75.7
140°	47.3	52.0	57.5	62.7	66.6	68.4	69.1	68.6	67.9	67.1	69.1
142.5°	44.3	48.5	53.2	57.0	60.4	61.3	61.8	61.4	61.0	60.4	62.5
145°	40.7	44.5	48.3	51.1	53.3	54.2	54.5	54.3	54.0	53.7	55.9
147.5°	36.9	40.0	42.7	44.9	46.3	47.1	47.3	47.2	47.1	46.9	49.2
150°	32.4	34.8	36.6	38.4	39.2	39.9	40.1	40.1	40.2	40.2	42.5
152.5°	27.4	28.9	30.3	31.4	32.1	32.7	32.9	33.1	33.3	33.5	35.7
155°	21.4	22.5	23.5	24.3	25.0	25.5	25.8	26.2	26.5	26.7	29.0
157.5°	18.0	18.2	18.5	18.7	18.9	19.0	19.2	19.4	19.7	20.0	22.2
160°	15.9	16.2	16.4	16.6	16.8	16.9	17.0	17.3	17.5	17.8	19.8
162.5°	13.9	14.2	14.4	14.5	14.7	14.8	14.9	15.2	15.4	15.6	17.3
165°	11.9	12.1	12.3	12.4	12.6	12.7	12.9	13.0	13.2	13.3	14.9
167.5°	9.9	10.1	10.2	10.4	10.5	10.6	10.8	10.9	11.0	11.1	12.4
170°	7.9	8.1	8.2	8.3	8.4	8.5	8.7	8.7	8.8	8.9	9.9
172.5°	5.9	6.0	6.2	6.3	6.4	6.4	6.5	6.6	6.6	6.7	7.5
175°	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.4	5.0
177.5°	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	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: P232042

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.8	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.1
5°	5.5	6.0	6.6	7.1	7.5	8.0	8.5	8.9	9.3	9.7	10.1
7.5°	8.3	9.0	9.8	10.5	11.2	11.9	12.7	13.8	14.8	15.8	16.7
10°	11.0	12.0	13.0	14.0	15.0	16.5	17.9	19.3	20.7	22.0	23.3
12.5°	13.7	14.9	16.2	17.6	19.5	21.3	23.1	24.8	26.5	28.2	29.9
15°	16.4	17.9	19.4	21.7	23.9	26.0	28.1	30.2	32.3	34.3	36.4
17.5°	19.1	20.8	23.1	25.7	28.2	30.7	33.1	35.5	37.8	40.0	42.2
20°	21.7	23.7	26.7	29.6	32.5	35.2	37.9	40.5	43.0	45.5	47.9
22.5°	24.4	27.0	30.3	33.5	36.5	39.5	42.4	45.2	48.0	50.7	53.0
25°	31.1	34.0	37.3	40.4	43.2	45.9	48.5	51.0	53.3	55.1	57.6
27.5°	37.9	41.2	44.6	47.8	50.8	53.6	56.3	58.8	60.8	62.7	64.5
30°	44.7	48.3	51.9	55.1	58.4	61.1	63.8	66.0	68.0	69.9	71.7
32.5°	51.6	55.3	58.9	62.3	65.4	68.3	70.8	72.9	74.9	76.8	79.1
35°	58.4	62.3	65.9	69.3	72.4	75.4	77.5	79.6	81.5	83.6	86.3
37.5°	65.2	69.1	72.7	76.3	79.1	81.8	83.9	85.9	88.0	90.3	93.2
40°	72.0	75.8	79.5	82.9	85.7	88.0	90.1	92.0	94.0	96.4	100.9
42.5°	78.6	82.4	86.2	89.3	92.0	94.1	96.1	97.8	99.8	103.1	107.8
45°	85.2	89.0	92.7	95.6	98.1	100.1	101.7	103.4	105.1	109.5	114.9
47.5°	96.8	102.3	106.7	108.5	109.4	109.8	109.8	109.5	111.0	115.6	121.7
50°	108.9	116.6	122.4	123.7	124.1	124.3	124.4	123.9	125.1	127.7	131.5
52.5°	121.4	131.2	137.7	138.9	138.6	138.8	138.9	138.5	140.1	143.3	147.5
55°	134.2	146.1	153.0	153.7	152.9	153.3	153.2	153.4	155.0	158.6	162.6
57.5°	147.2	161.2	168.1	168.3	167.0	167.9	167.5	168.0	170.0	173.3	176.9
60°	160.5	176.5	183.2	182.8	181.4	182.4	181.8	182.4	184.7	187.4	190.0
62.5°	173.9	192.0	198.2	197.1	195.9	196.7	196.1	196.5	199.1	200.7	202.4
65°	187.5	207.6	213.2	211.3	210.3	210.9	210.3	210.7	213.0	213.3	214.0
67.5°	201.3	223.3	228.1	225.4	224.7	225.1	224.4	224.8	226.1	225.3	224.8
70°	201.5	225.8	233.4	233.3	233.8	234.4	234.4	235.6	236.8	236.1	234.9
72.5°	201.2	227.3	237.8	240.0	240.8	240.7	240.3	240.8	240.5	239.0	238.1
75°	200.7	228.9	242.6	247.1	247.5	247.0	246.1	245.7	244.0	241.6	240.6
77.5°	200.1	230.4	247.6	254.5	254.1	253.3	251.8	250.3	247.3	244.0	243.2
80°	200.5	231.9	252.9	262.0	260.6	259.5	257.4	254.7	250.4	246.3	245.8
82.5°	199.2	234.2	259.1	269.7	267.0	265.7	263.0	258.9	253.5	248.5	248.5
85°	197.9	235.0	264.0	277.6	273.3	271.8	268.4	262.9	256.6	250.6	251.2
87.5°	196.6	235.8	269.0	285.1	279.7	278.1	274.1	267.1	259.7	252.8	253.9
90°	195.3	236.6	273.9	292.6	286.2	284.3	279.7	271.4	263.0	255.2	256.5
92.5°	196.6	235.8	269.0	285.1	279.7	278.1	274.1	267.1	259.7	252.8	253.9
95°	197.9	235.0	264.0	277.6	273.3	271.8	268.4	262.9	256.6	250.6	251.2
97.5°	199.2	234.2	259.1	269.7	267.0	265.7	263.0	258.9	253.5	248.5	248.5
100°	200.5	231.9	252.9	262.0	260.6	259.5	257.4	254.7	250.4	246.3	245.8
102.5°	200.1	230.4	247.6	254.5	254.1	253.3	251.8	250.3	247.3	244.0	243.2
105°	200.7	228.9	242.6	247.1	247.5	247.0	246.1	245.7	244.0	241.6	240.6
107.5°	201.2	227.3	237.8	240.0	240.8	240.7	240.3	240.8	240.5	239.0	238.1
110°	201.5	225.8	233.4	233.3	233.8	234.4	234.4	235.6	236.8	236.1	234.9



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	201.3	223.3	228.1	225.4	224.7	225.1	224.4	224.8	226.1	225.3	224.8
115°	187.5	207.6	213.2	211.3	210.3	210.9	210.3	210.7	213.0	213.3	214.0
117.5°	173.9	192.0	198.2	197.1	195.9	196.7	196.1	196.5	199.1	200.7	202.4
120°	160.5	176.5	183.2	182.8	181.4	182.4	181.8	182.4	184.7	187.4	190.0
122.5°	147.2	161.2	168.1	168.3	167.0	167.9	167.5	168.0	170.0	173.3	176.9
125°	134.2	146.1	153.0	153.7	152.9	153.3	153.2	153.4	155.0	158.6	162.6
127.5°	121.4	131.2	137.7	138.9	138.6	138.8	138.9	138.5	140.1	143.3	147.5
130°	108.9	116.6	122.4	123.7	124.1	124.3	124.4	123.9	125.1	127.7	131.5
132.5°	96.8	102.3	106.7	108.5	109.4	109.8	109.8	109.5	111.0	115.6	121.7
135°	85.2	89.0	92.7	95.6	98.1	100.1	101.7	103.4	105.1	109.5	114.9
137.5°	78.6	82.4	86.2	89.3	92.0	94.1	96.1	97.8	99.8	103.1	107.8
140°	72.0	75.8	79.5	82.9	85.7	88.0	90.1	92.0	94.0	96.4	100.9
142.5°	65.2	69.1	72.7	76.3	79.1	81.8	83.9	85.9	88.0	90.3	93.2
145°	58.4	62.3	65.9	69.3	72.4	75.4	77.5	79.6	81.5	83.6	86.3
147.5°	51.6	55.3	58.9	62.3	65.4	68.3	70.8	72.9	74.9	76.8	79.1
150°	44.7	48.3	51.9	55.1	58.4	61.1	63.8	66.0	68.0	69.9	71.7
152.5°	37.9	41.2	44.6	47.8	50.8	53.6	56.3	58.8	60.8	62.7	64.5
155°	31.1	34.0	37.3	40.4	43.2	45.9	48.5	51.0	53.3	55.1	57.6
157.5°	24.4	27.0	30.3	33.5	36.5	39.5	42.4	45.2	48.0	50.7	53.0
160°	21.7	23.7	26.7	29.6	32.5	35.2	37.9	40.5	43.0	45.5	47.9
162.5°	19.1	20.8	23.1	25.7	28.2	30.7	33.1	35.5	37.8	40.0	42.2
165°	16.4	17.9	19.4	21.7	23.9	26.0	28.1	30.2	32.3	34.3	36.4
167.5°	13.7	14.9	16.2	17.6	19.5	21.3	23.1	24.8	26.5	28.2	29.9
170°	11.0	12.0	13.0	14.0	15.0	16.5	17.9	19.3	20.7	22.0	23.3
172.5°	8.3	9.0	9.8	10.5	11.2	11.9	12.7	13.8	14.8	15.8	16.7
175°	5.5	6.0	6.6	7.1	7.5	8.0	8.5	8.9	9.3	9.7	10.1
177.5°	2.8	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.1
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: P232042

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.6
5°	10.7	11.3	11.9	12.4	12.9	13.4	13.9	14.3	14.7	15.0	15.3
7.5°	17.6	18.5	19.4	20.2	21.0	21.7	22.5	23.2	23.9	24.5	25.0
10°	24.5	25.8	27.0	28.2	29.3	30.4	31.4	32.3	33.1	33.9	34.6
12.5°	31.5	33.0	34.5	35.9	37.2	38.5	39.6	40.8	41.8	42.8	43.8
15°	38.0	39.8	41.5	43.1	44.7	46.2	47.7	49.1	50.5	51.7	53.0
17.5°	44.3	46.5	48.2	50.0	51.8	53.6	55.5	57.4	59.3	61.1	62.9
20°	50.1	52.2	54.3	56.5	58.7	61.0	63.2	65.4	67.3	69.1	70.8
22.5°	55.3	57.7	60.1	62.6	65.1	67.6	70.1	72.4	74.6	76.7	78.4
25°	60.1	62.6	65.5	68.3	71.3	74.2	77.5	80.5	83.1	85.3	87.3
27.5°	66.1	68.1	70.8	74.4	78.8	83.1	87.4	90.3	93.3	95.8	98.0
30°	74.0	76.7	79.8	84.3	88.8	93.4	97.7	101.5	105.1	108.2	110.9
32.5°	81.8	85.4	90.1	94.9	99.9	104.7	109.7	114.6	118.5	121.7	124.5
35°	89.8	94.7	99.8	105.1	110.5	116.3	121.9	126.8	131.5	135.8	139.9
37.5°	98.2	103.4	109.1	115.1	121.5	127.5	133.2	138.8	144.6	150.7	156.5
40°	106.0	112.0	118.3	125.2	131.9	138.3	145.0	151.8	158.8	166.1	173.8
42.5°	113.8	120.3	127.7	134.9	142.0	149.8	157.4	165.4	174.1	182.9	192.5
45°	121.2	128.9	136.7	144.5	153.0	161.6	170.1	178.9	189.0	200.0	212.7
47.5°	129.0	137.0	145.5	154.6	164.1	173.0	182.2	192.6	204.7	218.1	236.1
50°	137.0	145.3	154.5	165.0	174.4	183.7	193.9	206.4	221.1	240.7	262.2
52.5°	152.6	158.6	166.4	174.5	184.2	193.7	205.7	220.5	240.9	264.3	290.8
55°	167.3	173.1	181.1	187.4	194.8	203.5	217.1	237.4	261.2	289.0	322.8
57.5°	180.9	186.5	192.8	199.3	206.8	217.8	233.6	254.2	282.3	317.2	355.4
60°	193.4	198.4	203.8	210.4	219.2	231.7	251.2	276.7	307.9	344.8	387.8
62.5°	205.1	209.0	213.9	220.5	230.9	247.2	269.7	298.3	334.7	375.8	423.6
65°	215.6	218.7	223.5	230.8	242.2	260.7	287.4	321.1	360.9	406.6	461.9
67.5°	225.1	227.6	232.3	240.4	254.2	275.5	304.6	340.7	384.7	438.5	497.2
70°	233.9	235.9	240.3	249.0	264.6	289.1	321.0	360.7	409.0	465.9	528.9
72.5°	239.0	242.5	248.2	257.6	274.0	301.9	334.3	377.7	430.7	489.0	554.4
75°	242.7	247.6	255.0	266.7	285.8	313.5	348.0	392.8	448.0	506.5	576.2
77.5°	246.6	252.9	261.7	275.2	296.5	326.1	363.7	410.6	464.2	523.4	592.8
80°	250.6	258.2	268.1	283.1	306.0	337.2	376.9	424.6	477.7	540.5	612.0
82.5°	254.6	263.5	274.4	290.5	314.2	346.8	387.6	435.0	487.2	553.1	625.8
85°	258.6	268.7	280.4	297.2	321.2	355.0	396.0	442.0	492.9	561.2	634.1
87.5°	262.6	273.9	286.2	303.6	327.5	362.4	403.0	447.1	496.6	567.0	639.5
90°	266.2	278.4	291.3	308.7	331.9	366.8	406.1	447.3	494.4	564.0	634.9
92.5°	262.6	273.9	286.2	303.6	327.5	362.4	403.0	447.1	496.6	567.0	639.5
95°	258.6	268.7	280.4	297.2	321.2	355.0	396.0	442.0	492.9	561.2	634.1
97.5°	254.6	263.5	274.4	290.5	314.2	346.8	387.6	435.0	487.2	553.1	625.8
100°	250.6	258.2	268.1	283.1	306.0	337.2	376.9	424.6	477.7	540.5	612.0
102.5°	246.6	252.9	261.7	275.2	296.5	326.1	363.7	410.6	464.2	523.4	592.8
105°	242.7	247.6	255.0	266.7	285.8	313.5	348.0	392.8	448.0	506.5	576.2
107.5°	239.0	242.5	248.2	257.6	274.0	301.9	334.3	377.7	430.7	489.0	554.4
110°	233.9	235.9	240.3	249.0	264.6	289.1	321.0	360.7	409.0	465.9	528.9



TEST NUMBER: P232042

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	225.1	227.6	232.3	240.4	254.2	275.5	304.6	340.7	384.7	438.5	497.2
115°	215.6	218.7	223.5	230.8	242.2	260.7	287.4	321.1	360.9	406.6	461.9
117.5°	205.1	209.0	213.9	220.5	230.9	247.2	269.7	298.3	334.7	375.8	423.6
120°	193.4	198.4	203.8	210.4	219.2	231.7	251.2	276.7	307.9	344.8	387.8
122.5°	180.9	186.5	192.8	199.3	206.8	217.8	233.6	254.2	282.3	317.2	355.4
125°	167.3	173.1	181.1	187.4	194.8	203.5	217.1	237.4	261.2	289.0	322.8
127.5°	152.6	158.6	166.4	174.5	184.2	193.7	205.7	220.5	240.9	264.3	290.8
130°	137.0	145.3	154.5	165.0	174.4	183.7	193.9	206.4	221.1	240.7	262.2
132.5°	129.0	137.0	145.5	154.6	164.1	173.0	182.2	192.6	204.7	218.1	236.1
135°	121.2	128.9	136.7	144.5	153.0	161.6	170.1	178.9	189.0	200.0	212.7
137.5°	113.8	120.3	127.7	134.9	142.0	149.8	157.4	165.4	174.1	182.9	192.5
140°	106.0	112.0	118.3	125.2	131.9	138.3	145.0	151.8	158.8	166.1	173.8
142.5°	98.2	103.4	109.1	115.1	121.5	127.5	133.2	138.8	144.6	150.7	156.5
145°	89.8	94.7	99.8	105.1	110.5	116.3	121.9	126.8	131.5	135.8	139.9
147.5°	81.8	85.4	90.1	94.9	99.9	104.7	109.7	114.6	118.5	121.7	124.5
150°	74.0	76.7	79.8	84.3	88.8	93.4	97.7	101.5	105.1	108.2	110.9
152.5°	66.1	68.1	70.8	74.4	78.8	83.1	87.4	90.3	93.3	95.8	98.0
155°	60.1	62.6	65.5	68.3	71.3	74.2	77.5	80.5	83.1	85.3	87.3
157.5°	55.3	57.7	60.1	62.6	65.1	67.6	70.1	72.4	74.6	76.7	78.4
160°	50.1	52.2	54.3	56.5	58.7	61.0	63.2	65.4	67.3	69.1	70.8
162.5°	44.3	46.5	48.2	50.0	51.8	53.6	55.5	57.4	59.3	61.1	62.9
165°	38.0	39.8	41.5	43.1	44.7	46.2	47.7	49.1	50.5	51.7	53.0
167.5°	31.5	33.0	34.5	35.9	37.2	38.5	39.6	40.8	41.8	42.8	43.8
170°	24.5	25.8	27.0	28.2	29.3	30.4	31.4	32.3	33.1	33.9	34.6
172.5°	17.6	18.5	19.4	20.2	21.0	21.7	22.5	23.2	23.9	24.5	25.0
175°	10.7	11.3	11.9	12.4	12.9	13.4	13.9	14.3	14.7	15.0	15.3
177.5°	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.4	6.5	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: P232042

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

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.6	6.7	6.7	6.7	6.8	6.8	7.0	6.9	6.8	6.7	6.6
5°	15.6	15.8	16.1	16.2	16.4	16.5	16.5	16.5	16.8	16.6	16.5
7.5°	25.5	26.0	26.4	26.7	27.0	27.2	27.4	27.5	27.5	27.8	27.6
10°	35.2	35.8	36.3	36.8	37.1	37.4	37.7	37.8	37.9	38.2	38.0
12.5°	44.7	45.5	46.3	47.0	47.6	48.1	48.5	48.9	49.1	49.2	49.5
15°	54.4	55.7	57.0	58.1	59.2	60.1	60.9	61.7	62.3	62.7	63.3
17.5°	64.5	65.8	66.9	67.9	68.8	69.6	70.2	70.7	71.1	71.4	71.8
20°	72.3	73.6	74.5	75.2	75.6	75.9	76.0	75.8	75.6	75.2	74.8
22.5°	79.7	80.8	81.6	82.3	82.7	82.8	82.7	82.4	81.8	81.1	80.4
25°	88.9	90.0	90.9	91.6	91.9	91.8	91.5	90.8	89.8	88.6	87.2
27.5°	99.9	101.3	102.2	102.9	103.6	104.0	104.1	103.8	103.1	102.1	100.9
30°	112.8	114.7	116.2	117.4	119.2	120.7	121.8	122.5	122.8	122.7	122.0
32.5°	127.2	130.4	133.3	135.9	139.1	142.5	145.6	148.1	150.2	151.6	152.3
35°	143.7	148.6	153.7	158.7	163.6	169.0	173.8	178.1	181.7	184.5	186.5
37.5°	162.6	169.0	176.5	183.7	190.6	198.2	205.6	212.3	218.2	223.3	227.2
40°	182.6	191.2	201.0	211.0	220.9	231.8	243.3	253.8	263.1	271.0	277.3
42.5°	203.7	215.1	227.8	243.5	258.5	273.2	288.7	302.9	315.7	326.8	336.1
45°	226.5	244.3	261.7	281.3	300.9	321.7	340.5	360.3	378.2	394.0	407.3
47.5°	255.5	277.3	299.4	322.8	349.1	374.7	400.7	426.1	449.0	469.3	486.6
50°	287.0	312.9	342.4	371.1	403.0	435.4	467.8	501.5	531.9	558.6	581.2
52.5°	321.5	354.1	389.5	425.2	465.2	506.9	547.6	587.5	621.1	648.5	669.9
55°	358.6	398.0	440.3	488.1	536.9	589.6	637.8	676.0	705.2	726.3	740.4
57.5°	397.0	445.3	497.4	555.4	617.6	671.9	725.7	756.3	774.9	787.7	795.2
60°	438.8	494.8	556.8	620.5	684.4	740.4	786.6	815.1	823.7	830.2	834.3
62.5°	479.9	543.1	610.4	679.2	739.6	791.3	824.9	848.2	857.2	863.8	867.8
65°	521.4	586.0	658.3	728.2	787.1	831.4	859.5	878.1	886.2	891.8	896.5
67.5°	560.9	630.1	704.0	776.1	834.1	870.9	891.7	901.3	908.2	916.1	921.7
70°	596.7	671.2	748.1	823.4	876.5	900.9	914.2	923.3	931.4	936.2	941.6
72.5°	627.4	704.9	784.5	853.8	900.0	922.0	932.0	940.9	947.6	951.6	957.7
75°	651.9	731.4	810.5	877.0	918.3	936.0	947.3	955.4	960.9	967.1	971.6
77.5°	669.3	750.3	833.8	897.9	933.3	950.1	959.4	964.4	973.1	979.8	985.3
80°	687.4	768.1	851.4	917.8	950.1	961.4	965.2	974.3	982.5	988.9	996.5
82.5°	702.6	786.3	868.7	928.8	957.2	965.5	971.1	981.2	988.9	1002.2	1006.0
85°	711.7	796.9	879.7	935.8	958.6	966.8	975.3	986.6	992.8	1002.9	1010.9
87.5°	717.6	799.9	883.5	939.6	959.3	968.0	976.9	987.7	991.7	1004.0	1011.2
90°	711.6	795.4	879.8	938.5	958.5	968.8	976.5	986.2	992.0	1006.8	1007.4
92.5°	717.6	799.9	883.5	939.6	959.3	968.0	976.9	987.7	991.7	1004.0	1011.2
95°	711.7	796.9	879.7	935.8	958.6	966.8	975.3	986.6	992.8	1002.9	1010.9
97.5°	702.6	786.3	868.7	928.8	957.2	965.5	971.1	981.2	988.9	1002.2	1006.0
100°	687.4	768.1	851.4	917.8	950.1	961.4	965.2	974.3	982.5	988.9	996.5
102.5°	669.3	750.3	833.8	897.9	933.3	950.1	959.4	964.4	973.1	979.8	985.3
105°	651.9	731.4	810.5	877.0	918.3	936.0	947.3	955.4	960.9	967.1	971.6
107.5°	627.4	704.9	784.5	853.8	900.0	922.0	932.0	940.9	947.6	951.6	957.7
110°	596.7	671.2	748.1	823.4	876.5	900.9	914.2	923.3	931.4	936.2	941.6



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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°	560.9	630.1	704.0	776.1	834.1	870.9	891.7	901.3	908.2	916.1	921.7
115°	521.4	586.0	658.3	728.2	787.1	831.4	859.5	878.1	886.2	891.8	896.5
117.5°	479.9	543.1	610.4	679.2	739.6	791.3	824.9	848.2	857.2	863.8	867.8
120°	438.8	494.8	556.8	620.5	684.4	740.4	786.6	815.1	823.7	830.2	834.3
122.5°	397.0	445.3	497.4	555.4	617.6	671.9	725.7	756.3	774.9	787.7	795.2
125°	358.6	398.0	440.3	488.1	536.9	589.6	637.8	676.0	705.2	726.3	740.4
127.5°	321.5	354.1	389.5	425.2	465.2	506.9	547.6	587.5	621.1	648.5	669.9
130°	287.0	312.9	342.4	371.1	403.0	435.4	467.8	501.5	531.9	558.6	581.2
132.5°	255.5	277.3	299.4	322.8	349.1	374.7	400.7	426.1	449.0	469.3	486.6
135°	226.5	244.3	261.7	281.3	300.9	321.7	340.5	360.3	378.2	394.0	407.3
137.5°	203.7	215.1	227.8	243.5	258.5	273.2	288.7	302.9	315.7	326.8	336.1
140°	182.6	191.2	201.0	211.0	220.9	231.8	243.3	253.8	263.1	271.0	277.3
142.5°	162.6	169.0	176.5	183.7	190.6	198.2	205.6	212.3	218.2	223.3	227.2
145°	143.7	148.6	153.7	158.7	163.6	169.0	173.8	178.1	181.7	184.5	186.5
147.5°	127.2	130.4	133.3	135.9	139.1	142.5	145.6	148.1	150.2	151.6	152.3
150°	112.8	114.7	116.2	117.4	119.2	120.7	121.8	122.5	122.8	122.7	122.0
152.5°	99.9	101.3	102.2	102.9	103.6	104.0	104.1	103.8	103.1	102.1	100.9
155°	88.9	90.0	90.9	91.6	91.9	91.8	91.5	90.8	89.8	88.6	87.2
157.5°	79.7	80.8	81.6	82.3	82.7	82.8	82.7	82.4	81.8	81.1	80.4
160°	72.3	73.6	74.5	75.2	75.6	75.9	76.0	75.8	75.6	75.2	74.8
162.5°	64.5	65.8	66.9	67.9	68.8	69.6	70.2	70.7	71.1	71.4	71.8
165°	54.4	55.7	57.0	58.1	59.2	60.1	60.9	61.7	62.3	62.7	63.3
167.5°	44.7	45.5	46.3	47.0	47.6	48.1	48.5	48.9	49.1	49.2	49.5
170°	35.2	35.8	36.3	36.8	37.1	37.4	37.7	37.8	37.9	38.2	38.0
172.5°	25.5	26.0	26.4	26.7	27.0	27.2	27.4	27.5	27.5	27.8	27.6
175°	15.6	15.8	16.1	16.2	16.4	16.5	16.5	16.5	16.8	16.6	16.5
177.5°	6.6	6.7	6.7	6.7	6.8	6.8	7.0	6.9	6.8	6.7	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



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	0.0	0.0
2.5°	6.5	6.4
5°	16.3	16.1
7.5°	27.3	27.1
10°	37.7	37.4
12.5°	49.2	49.0
15°	63.3	63.2
17.5°	71.6	71.5
20°	74.2	73.5
22.5°	79.2	78.0
25°	85.6	83.8
27.5°	99.4	97.3
30°	121.1	119.2
32.5°	152.8	151.5
35°	188.1	187.6
37.5°	230.7	231.4
40°	283.0	284.9
42.5°	344.5	348.1
45°	419.5	425.4
47.5°	502.4	510.5
50°	601.8	612.3
52.5°	688.1	696.1
55°	750.4	751.6
57.5°	799.6	796.7
60°	837.3	834.7
62.5°	869.1	867.6
65°	899.6	900.4
67.5°	924.6	924.9
70°	946.2	948.8
72.5°	960.9	961.7
75°	973.9	973.9
77.5°	989.5	991.3
80°	1000.4	1002.9
82.5°	1007.5	1008.7
85°	1015.4	1016.5
87.5°	1015.6	1019.7
90°	1013.2	1017.8
92.5°	1015.6	1019.7
95°	1015.4	1016.5
97.5°	1007.5	1008.7
100°	1000.4	1002.9
102.5°	989.5	991.3
105°	973.9	973.9
107.5°	960.9	961.7
110°	946.2	948.8





TEST NUMBER: P232042

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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	924.6	924.9
115°	899.6	900.4
117.5°	869.1	867.6
120°	837.3	834.7
122.5°	799.6	796.7
125°	750.4	751.6
127.5°	688.1	696.1
130°	601.8	612.3
132.5°	502.4	510.5
135°	419.5	425.4
137.5°	344.5	348.1
140°	283.0	284.9
142.5°	230.7	231.4
145°	188.1	187.6
147.5°	152.8	151.5
150°	121.1	119.2
152.5°	99.4	97.3
155°	85.6	83.8
157.5°	79.2	78.0
160°	74.2	73.5
162.5°	71.6	71.5
165°	63.3	63.2
167.5°	49.2	49.0
170°	37.7	37.4
172.5°	27.3	27.1
175°	16.3	16.1
177.5°	6.5	6.4
180°	0.0	0.0

(END OF REPORT)