

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: P232083

Luminaire Tested: **FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-30)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

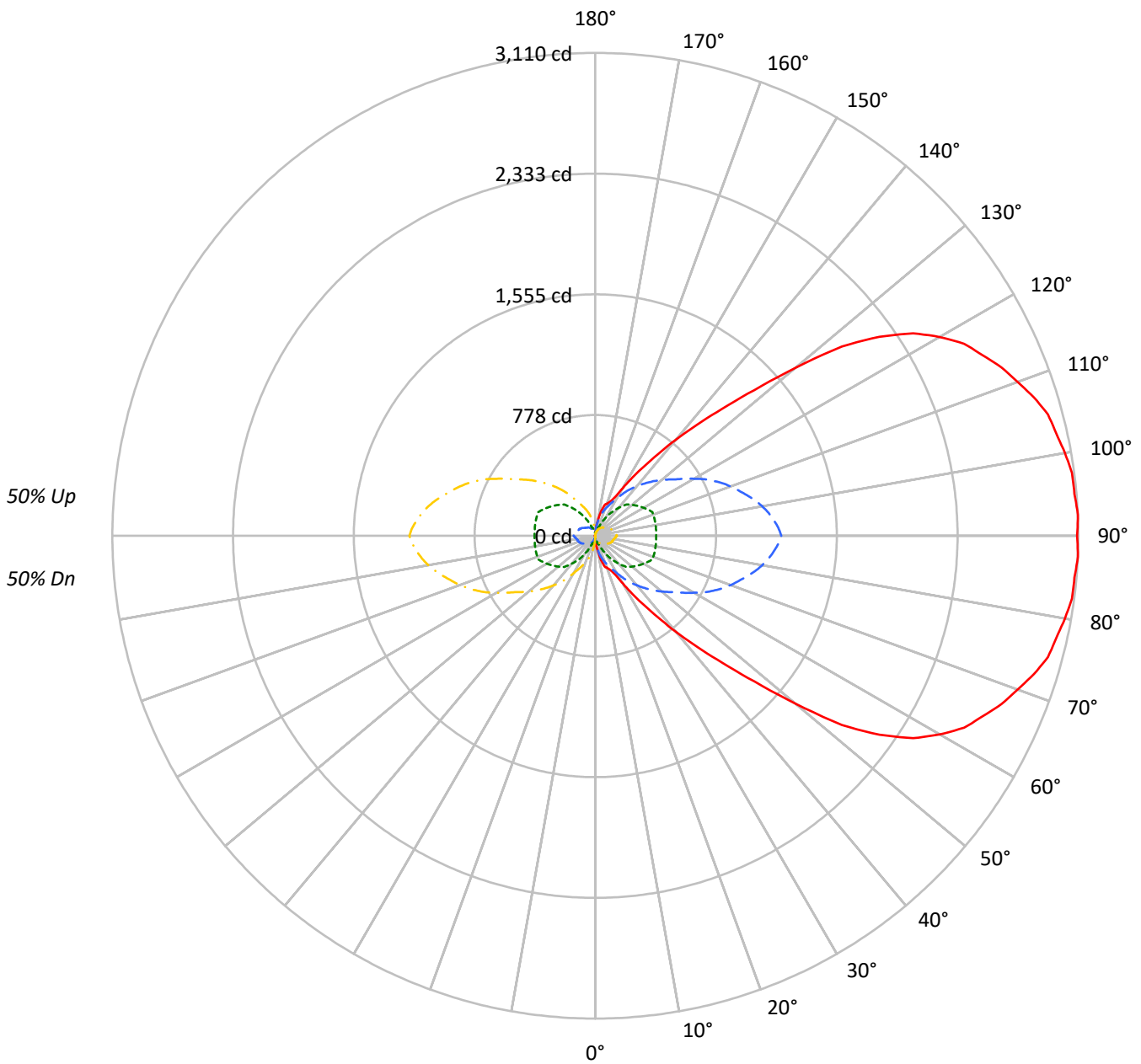
Lumens per Lamp: N/A  
Luminaire Lumens: 6993.9 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 29.07 / 18.32 / 19.49  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 64  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot



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



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

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	20	20	20	20
5°	879	286	0	286
10°	1730	551	0	551
15°	2590	826	0	826
20°	2854	1113	0	1113
25°	3090	1793	0	1793
30°	4111	2911	0	2911
35°	6019	4142	0	4142
40°	8654	5531	0	5531
45°	12062	7138	10	7138
50°	17221	8396	10	8396
55°	22682	9958	10	9958
60°	25930	11950	10	11950
65°	28012	14588	10	14588
70°	29852	17655	21	17655
75°	31778	21491	21	21491
80°	33293	27779	0	27779
85°	34883	39844	0	39844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	22.7	0.3
20°-30°	60.8	0.9
30°-40°	139.9	2.0
40°-50°	274.3	3.9
50°-60°	488.8	7.0
60°-70°	709.8	10.1
70°-80°	861.4	12.3
80°-90°	936.1	13.4
90°-100°	936.1	13.4
100°-110°	861.4	12.3
110°-120°	709.8	10.1
120°-130°	488.8	7.0
130°-140°	274.3	3.9
140°-150°	139.9	2.0
150°-160°	60.8	0.9
160°-170°	22.7	0.3
170°-180°	3.1	0.0
0°-30°	86.6	1.2
0°-40°	226.5	3.2
0°-60°	989.6	14.2
0°-90°	3496.9	50.0
90°-120°	2507.3	35.8
90°-150°	3410.3	48.8
90°-180°	3497.0	50.0
0°-180°	6993.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	51	15	0	15	51	7
15°	184	42	0	42	184	52
25°	253	87	0	87	253	124
35°	543	185	0	185	543	355
45°	1156	284	1	284	1156	930
55°	2234	335	1	335	2234	1977
65°	2751	385	1	385	2751	2729
75°	3017	396	2	396	3017	3175
85°	3097	392	0	392	3097	2528
90°	3103	391	0	391	3103	1703
95°	3097	392	0	392	3097	2528
105°	3017	396	2	396	3017	3175
115°	2751	385	1	385	2751	2729
125°	2234	335	1	335	2234	1977
135°	1156	284	1	284	1156	930
145°	543	185	0	185	543	355
155°	253	87	0	87	253	124
165°	184	42	0	42	184	52
175°	51	15	0	15	51	7
180°	1	1	1	1	1	



TEST NUMBER: P232083

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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	22.0	22.3	22.6	22.9	23.2	23.5	23.8	23.1	23.1	23.0	22.9
5°	51.0	51.6	52.1	52.7	53.3	52.5	52.4	52.3	52.0	51.6	51.1
7.5°	83.0	83.8	84.5	85.3	84.6	84.6	84.4	84.0	83.4	82.6	81.7
10°	112.0	112.9	113.8	114.7	113.8	113.8	113.5	113.0	112.3	111.4	110.2
12.5°	147.0	147.8	148.6	147.9	147.5	146.9	146.0	144.7	143.3	141.5	139.6
15°	183.9	184.3	184.7	183.2	182.2	180.9	179.2	177.2	174.9	172.4	169.6
17.5°	211.9	212.5	213.0	211.8	211.0	209.8	208.2	206.2	203.8	200.9	197.7
20°	218.9	220.8	222.7	223.8	224.9	225.7	226.1	225.9	225.3	224.1	222.4
22.5°	232.9	236.3	239.6	241.5	243.5	245.0	246.0	246.2	245.8	244.6	242.6
25°	252.9	257.9	261.9	265.6	268.6	270.9	272.5	273.1	272.8	271.6	269.3
27.5°	287.9	293.7	297.8	301.5	304.4	306.3	307.3	307.4	306.5	304.7	302.4
30°	354.9	360.2	362.1	363.4	363.2	361.7	358.9	354.9	349.7	343.6	340.6
32.5°	441.9	445.4	444.4	442.4	438.7	433.2	426.3	418.1	408.7	399.5	390.9
35°	542.8	544.1	539.6	534.0	526.0	515.9	504.0	490.4	475.5	462.0	448.5
37.5°	657.8	657.2	649.2	639.7	627.0	611.4	593.2	572.5	550.5	531.3	511.2
40°	807.8	803.9	789.5	773.1	752.5	728.0	700.1	669.2	639.4	611.2	581.3
42.5°	969.7	964.6	946.8	926.0	899.3	866.9	829.1	786.2	746.2	705.6	663.2
45°	1155.6	1147.4	1123.5	1096.4	1062.6	1022.6	977.0	932.5	874.4	817.5	759.3
47.5°	1387.6	1375.5	1342.0	1304.2	1257.2	1201.9	1138.9	1074.6	1013.1	947.5	881.6
50°	1679.5	1663.1	1617.2	1565.2	1500.3	1423.7	1336.2	1252.8	1168.7	1079.8	1004.4
52.5°	2002.4	1976.4	1915.8	1849.3	1769.9	1679.4	1579.5	1472.1	1354.0	1238.6	1138.0
55°	2234.3	2199.6	2138.0	2072.3	1997.0	1913.9	1818.5	1695.9	1562.4	1425.0	1286.8
57.5°	2426.3	2383.1	2315.6	2244.8	2165.8	2080.4	1984.6	1881.1	1770.5	1610.4	1454.0
60°	2560.2	2514.5	2448.7	2378.7	2299.8	2212.7	2120.4	2027.2	1916.2	1778.7	1618.9
62.5°	2677.2	2625.7	2564.2	2492.8	2411.7	2322.3	2235.7	2145.9	2040.8	1926.1	1766.0
65°	2751.2	2709.6	2657.9	2593.7	2515.0	2427.6	2336.4	2239.4	2139.0	2028.1	1900.1
67.5°	2832.1	2794.3	2746.1	2686.1	2613.7	2525.3	2428.1	2325.0	2216.1	2107.2	1989.3
70°	2894.1	2868.7	2830.8	2776.5	2697.8	2605.9	2507.9	2399.7	2286.9	2172.7	2065.2
72.5°	2962.1	2942.1	2909.9	2864.0	2777.4	2672.9	2570.8	2460.7	2349.8	2238.1	2125.8
75°	3017.1	3001.4	2974.8	2919.9	2826.5	2723.0	2615.6	2516.1	2404.4	2288.9	2174.5
77.5°	3040.1	3038.8	3024.9	2968.4	2878.3	2758.7	2658.9	2558.6	2448.2	2327.1	2208.7
80°	3070.1	3066.3	3051.6	3012.5	2928.8	2812.2	2695.9	2592.8	2480.7	2354.5	2231.6
82.5°	3096.0	3085.5	3068.9	3033.7	2959.0	2838.9	2720.0	2608.7	2498.8	2381.0	2258.4
85°	3097.0	3106.8	3088.4	3049.5	2971.1	2847.3	2732.7	2625.0	2515.1	2399.3	2275.4
87.5°	3110.0	3113.7	3090.4	3058.4	2989.3	2863.4	2745.7	2628.2	2518.9	2403.1	2281.6
90°	3103.0	3109.0	3074.1	3056.1	2985.1	2854.1	2743.2	2616.2	2509.2	2393.3	2276.3
92.5°	3110.0	3113.7	3090.4	3058.4	2989.3	2863.4	2745.7	2628.2	2518.9	2403.1	2281.6
95°	3097.0	3106.8	3088.4	3049.5	2971.1	2847.3	2732.7	2625.0	2515.1	2399.3	2275.4
97.5°	3096.0	3085.5	3068.9	3033.7	2959.0	2838.9	2720.0	2608.7	2498.8	2381.0	2258.4
100°	3070.1	3066.3	3051.6	3012.5	2928.8	2812.2	2695.9	2592.8	2480.7	2354.5	2231.6
102.5°	3040.1	3038.8	3024.9	2968.4	2878.3	2758.7	2658.9	2558.6	2448.2	2327.1	2208.7
105°	3017.1	3001.4	2974.8	2919.9	2826.5	2723.0	2615.6	2516.1	2404.4	2288.9	2174.5
107.5°	2962.1	2942.1	2909.9	2864.0	2777.4	2672.9	2570.8	2460.7	2349.8	2238.1	2125.8
110°	2894.1	2868.7	2830.8	2776.5	2697.8	2605.9	2507.9	2399.7	2286.9	2172.7	2065.2



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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°	2832.1	2794.3	2746.1	2686.1	2613.7	2525.3	2428.1	2325.0	2216.1	2107.2	1989.3
115°	2751.2	2709.6	2657.9	2593.7	2515.0	2427.6	2336.4	2239.4	2139.0	2028.1	1900.1
117.5°	2677.2	2625.7	2564.2	2492.8	2411.7	2322.3	2235.7	2145.9	2040.8	1926.1	1766.0
120°	2560.2	2514.5	2448.7	2378.7	2299.8	2212.7	2120.4	2027.2	1916.2	1778.7	1618.9
122.5°	2426.3	2383.1	2315.6	2244.8	2165.8	2080.4	1984.6	1881.1	1770.5	1610.4	1454.0
125°	2234.3	2199.6	2138.0	2072.3	1997.0	1913.9	1818.5	1695.9	1562.4	1425.0	1286.8
127.5°	2002.4	1976.4	1915.8	1849.3	1769.9	1679.4	1579.5	1472.1	1354.0	1238.6	1138.0
130°	1679.5	1663.1	1617.2	1565.2	1500.3	1423.7	1336.2	1252.8	1168.7	1079.8	1004.4
132.5°	1387.6	1375.5	1342.0	1304.2	1257.2	1201.9	1138.9	1074.6	1013.1	947.5	881.6
135°	1155.6	1147.4	1123.5	1096.4	1062.6	1022.6	977.0	932.5	874.4	817.5	759.3
137.5°	969.7	964.6	946.8	926.0	899.3	866.9	829.1	786.2	746.2	705.6	663.2
140°	807.8	803.9	789.5	773.1	752.5	728.0	700.1	669.2	639.4	611.2	581.3
142.5°	657.8	657.2	649.2	639.7	627.0	611.4	593.2	572.5	550.5	531.3	511.2
145°	542.8	544.1	539.6	534.0	526.0	515.9	504.0	490.4	475.5	462.0	448.5
147.5°	441.9	445.4	444.4	442.4	438.7	433.2	426.3	418.1	408.7	399.5	390.9
150°	354.9	360.2	362.1	363.4	363.2	361.7	358.9	354.9	349.7	343.6	340.6
152.5°	287.9	293.7	297.8	301.5	304.4	306.3	307.3	307.4	306.5	304.7	302.4
155°	252.9	257.9	261.9	265.6	268.6	270.9	272.5	273.1	272.8	271.6	269.3
157.5°	232.9	236.3	239.6	241.5	243.5	245.0	246.0	246.2	245.8	244.6	242.6
160°	218.9	220.8	222.7	223.8	224.9	225.7	226.1	225.9	225.3	224.1	222.4
162.5°	211.9	212.5	213.0	211.8	211.0	209.8	208.2	206.2	203.8	200.9	197.7
165°	183.9	184.3	184.7	183.2	182.2	180.9	179.2	177.2	174.9	172.4	169.6
167.5°	147.0	147.8	148.6	147.9	147.5	146.9	146.0	144.7	143.3	141.5	139.6
170°	112.0	112.9	113.8	114.7	113.8	113.8	113.5	113.0	112.3	111.4	110.2
172.5°	83.0	83.8	84.5	85.3	84.6	84.6	84.4	84.0	83.4	82.6	81.7
175°	51.0	51.6	52.1	52.7	53.3	52.5	52.4	52.3	52.0	51.6	51.1
177.5°	22.0	22.3	22.6	22.9	23.2	23.5	23.8	23.1	23.1	23.0	22.9
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	22.8	22.6	22.4	22.1	21.8	21.4	21.1	20.6	20.2	19.7	19.2
5°	50.5	49.8	49.0	48.1	47.1	46.0	44.8	43.5	42.0	40.6	39.0
7.5°	80.6	79.4	77.9	76.4	74.6	72.8	70.7	68.6	66.3	64.0	61.6
10°	109.0	107.5	105.8	104.0	102.0	99.8	97.3	94.4	91.3	88.0	84.6
12.5°	137.3	134.9	132.3	129.4	126.5	123.7	120.8	117.7	114.4	110.9	107.2
15°	166.6	163.3	159.9	156.3	152.5	148.6	144.4	140.1	135.6	131.4	127.1
17.5°	194.2	190.2	185.9	181.5	176.9	172.2	167.4	162.4	157.2	151.9	146.5
20°	220.0	216.1	211.1	205.7	199.9	193.8	187.9	182.3	176.6	171.0	165.0
22.5°	240.1	237.4	233.7	229.2	223.8	217.1	209.6	201.8	193.7	187.3	181.2
25°	266.9	263.5	258.9	253.4	247.3	240.4	232.5	223.5	214.3	204.6	195.6
27.5°	299.5	295.2	289.6	283.2	276.1	267.7	259.4	248.0	236.6	224.5	213.3
30°	336.6	331.6	326.4	318.3	309.6	299.3	288.6	276.5	265.2	255.2	245.1
32.5°	381.5	371.3	363.4	355.7	346.9	336.0	324.2	312.2	300.8	289.0	278.1
35°	434.5	420.8	408.4	395.5	383.7	373.3	362.1	348.9	335.3	322.4	309.5
37.5°	490.4	472.9	456.2	441.7	425.3	409.8	396.6	383.8	369.7	354.8	340.6
40°	552.1	528.6	506.6	487.2	468.5	450.2	433.0	416.6	402.1	386.8	370.8
42.5°	626.7	594.0	562.8	537.9	514.6	491.8	470.4	451.6	433.2	417.1	400.5
45°	714.6	667.8	628.8	592.2	561.9	534.0	509.8	486.2	465.9	446.4	428.9
47.5°	816.2	754.3	702.2	652.7	613.7	578.9	549.2	522.9	497.9	476.4	456.4
50°	927.2	853.9	782.8	723.4	668.7	626.2	589.7	558.6	531.3	505.9	483.5
52.5°	1039.6	954.5	872.1	797.7	732.4	674.1	631.1	595.1	564.9	535.5	522.7
55°	1166.9	1056.3	962.1	873.1	797.4	730.2	670.8	632.0	607.3	588.8	577.7
57.5°	1305.0	1168.8	1052.4	951.5	860.4	786.6	728.2	683.9	654.8	636.5	627.0
60°	1446.7	1288.9	1146.8	1027.2	934.0	855.0	789.8	734.0	701.1	680.7	671.3
62.5°	1589.5	1405.2	1250.4	1123.1	1014.0	920.6	848.9	789.0	744.2	719.3	710.5
65°	1720.4	1537.1	1362.9	1217.2	1095.7	990.8	903.2	837.6	785.9	758.1	748.3
67.5°	1847.7	1658.6	1476.6	1311.2	1171.1	1054.5	957.3	885.3	830.3	795.0	781.8
70°	1930.4	1759.2	1580.3	1394.9	1245.2	1119.2	1012.4	928.1	869.3	828.4	811.5
72.5°	2007.6	1835.7	1651.1	1472.9	1310.3	1175.4	1060.9	968.2	904.2	861.9	843.1
75°	2056.1	1905.4	1707.3	1533.6	1362.4	1224.8	1108.1	1010.1	942.6	896.9	872.5
77.5°	2098.2	1963.8	1753.1	1580.3	1416.3	1275.1	1155.8	1053.6	978.5	929.6	901.1
80°	2122.8	1994.9	1809.6	1621.5	1460.1	1315.1	1196.3	1091.9	1011.1	960.2	928.7
82.5°	2143.9	2021.3	1848.2	1651.0	1491.8	1345.4	1229.9	1125.2	1040.7	988.8	955.7
85°	2155.9	2040.3	1869.4	1669.2	1512.2	1366.9	1257.2	1153.6	1067.5	1015.6	981.9
87.5°	2158.7	2056.3	1881.1	1681.2	1526.4	1383.6	1281.0	1179.6	1092.8	1041.5	1007.8
90°	2152.3	2047.4	1864.4	1673.5	1523.5	1388.6	1294.6	1197.6	1113.7	1064.7	1032.7
92.5°	2158.7	2056.3	1881.1	1681.2	1526.4	1383.6	1281.0	1179.6	1092.8	1041.5	1007.8
95°	2155.9	2040.3	1869.4	1669.2	1512.2	1366.9	1257.2	1153.6	1067.5	1015.6	981.9
97.5°	2143.9	2021.3	1848.2	1651.0	1491.8	1345.4	1229.9	1125.2	1040.7	988.8	955.7
100°	2122.8	1994.9	1809.6	1621.5	1460.1	1315.1	1196.3	1091.9	1011.1	960.2	928.7
102.5°	2098.2	1963.8	1753.1	1580.3	1416.3	1275.1	1155.8	1053.6	978.5	929.6	901.1
105°	2056.1	1905.4	1707.3	1533.6	1362.4	1224.8	1108.1	1010.1	942.6	896.9	872.5
107.5°	2007.6	1835.7	1651.1	1472.9	1310.3	1175.4	1060.9	968.2	904.2	861.9	843.1
110°	1930.4	1759.2	1580.3	1394.9	1245.2	1119.2	1012.4	928.1	869.3	828.4	811.5





TEST NUMBER: P232083

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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1847.7	1658.6	1476.6	1311.2	1171.1	1054.5	957.3	885.3	830.3	795.0	781.8
115°	1720.4	1537.1	1362.9	1217.2	1095.7	990.8	903.2	837.6	785.9	758.1	748.3
117.5°	1589.5	1405.2	1250.4	1123.1	1014.0	920.6	848.9	789.0	744.2	719.3	710.5
120°	1446.7	1288.9	1146.8	1027.2	934.0	855.0	789.8	734.0	701.1	680.7	671.3
122.5°	1305.0	1168.8	1052.4	951.5	860.4	786.6	728.2	683.9	654.8	636.5	627.0
125°	1166.9	1056.3	962.1	873.1	797.4	730.2	670.8	632.0	607.3	588.8	577.7
127.5°	1039.6	954.5	872.1	797.7	732.4	674.1	631.1	595.1	564.9	535.5	522.7
130°	927.2	853.9	782.8	723.4	668.7	626.2	589.7	558.6	531.3	505.9	483.5
132.5°	816.2	754.3	702.2	652.7	613.7	578.9	549.2	522.9	497.9	476.4	456.4
135°	714.6	667.8	628.8	592.2	561.9	534.0	509.8	486.2	465.9	446.4	428.9
137.5°	626.7	594.0	562.8	537.9	514.6	491.8	470.4	451.6	433.2	417.1	400.5
140°	552.1	528.6	506.6	487.2	468.5	450.2	433.0	416.6	402.1	386.8	370.8
142.5°	490.4	472.9	456.2	441.7	425.3	409.8	396.6	383.8	369.7	354.8	340.6
145°	434.5	420.8	408.4	395.5	383.7	373.3	362.1	348.9	335.3	322.4	309.5
147.5°	381.5	371.3	363.4	355.7	346.9	336.0	324.2	312.2	300.8	289.0	278.1
150°	336.6	331.6	326.4	318.3	309.6	299.3	288.6	276.5	265.2	255.2	245.1
152.5°	299.5	295.2	289.6	283.2	276.1	267.7	259.4	248.0	236.6	224.5	213.3
155°	266.9	263.5	258.9	253.4	247.3	240.4	232.5	223.5	214.3	204.6	195.6
157.5°	240.1	237.4	233.7	229.2	223.8	217.1	209.6	201.8	193.7	187.3	181.2
160°	220.0	216.1	211.1	205.7	199.9	193.8	187.9	182.3	176.6	171.0	165.0
162.5°	194.2	190.2	185.9	181.5	176.9	172.2	167.4	162.4	157.2	151.9	146.5
165°	166.6	163.3	159.9	156.3	152.5	148.6	144.4	140.1	135.6	131.4	127.1
167.5°	137.3	134.9	132.3	129.4	126.5	123.7	120.8	117.7	114.4	110.9	107.2
170°	109.0	107.5	105.8	104.0	102.0	99.8	97.3	94.4	91.3	88.0	84.6
172.5°	80.6	79.4	77.9	76.4	74.6	72.8	70.7	68.6	66.3	64.0	61.6
175°	50.5	49.8	49.0	48.1	47.1	46.0	44.8	43.5	42.0	40.6	39.0
177.5°	22.8	22.6	22.4	22.1	21.8	21.4	21.1	20.6	20.2	19.7	19.2
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	18.6	18.0	17.4	16.7	16.0	15.3	14.5	13.8	13.0	12.2	11.3
5°	37.3	35.5	33.7	32.4	31.0	29.6	28.1	26.5	25.0	23.3	21.6
7.5°	59.1	56.5	53.8	50.9	48.0	44.9	41.8	39.3	36.9	34.5	31.9
10°	81.1	77.4	73.8	69.8	65.9	61.9	57.7	53.4	49.1	45.6	42.2
12.5°	102.9	98.4	93.6	88.7	83.7	78.6	73.4	68.1	62.7	57.2	52.5
15°	122.6	117.9	113.8	107.3	101.3	95.2	88.9	82.6	76.2	69.6	62.9
17.5°	141.6	135.6	130.1	124.5	118.4	111.4	104.2	97.0	89.5	81.9	74.2
20°	158.9	152.6	146.3	140.0	133.6	127.0	119.0	110.9	102.6	94.1	85.3
22.5°	175.1	168.5	161.7	154.8	147.8	140.6	133.3	124.4	115.3	106.0	96.3
25°	188.5	182.2	175.6	168.4	164.0	159.2	154.0	148.1	140.4	132.3	123.1
27.5°	205.8	201.7	199.2	196.2	192.0	187.5	182.4	177.0	169.9	161.5	152.1
30°	237.1	229.8	224.7	222.1	218.9	214.5	209.8	204.6	199.5	190.2	181.2
32.5°	267.4	258.7	251.4	246.6	244.0	240.5	236.0	231.2	226.0	218.4	209.1
35°	297.8	286.8	278.4	271.4	267.8	265.3	261.3	257.3	252.2	246.2	236.7
37.5°	326.8	314.8	303.9	296.7	291.0	288.5	285.8	281.8	277.7	273.3	264.0
40°	355.8	341.3	330.0	320.1	314.5	310.9	309.2	305.9	302.3	298.7	291.0
42.5°	383.7	368.4	354.2	343.9	337.0	332.6	331.4	329.3	326.3	323.5	317.6
45°	411.3	394.0	378.8	366.8	357.8	354.5	352.9	352.0	349.8	347.7	343.8
47.5°	437.5	419.6	402.9	388.6	379.3	378.8	382.5	384.1	381.5	376.9	370.6
50°	463.3	446.6	443.4	444.2	444.7	442.2	437.0	430.9	421.5	409.9	398.3
52.5°	515.6	512.7	513.3	516.9	520.1	511.5	497.4	481.7	464.4	445.0	427.0
55°	573.2	574.1	578.5	585.6	596.2	584.7	562.6	536.1	510.0	482.4	457.3
57.5°	625.4	630.3	639.3	651.0	666.2	660.9	632.3	593.8	558.2	522.1	488.8
60°	671.7	681.7	696.0	713.1	733.1	739.6	706.1	655.0	609.1	563.5	521.4
62.5°	714.8	728.9	748.9	771.9	797.3	820.8	781.9	720.4	662.2	606.5	555.1
65°	753.9	771.8	798.1	827.7	859.0	893.5	857.5	788.3	717.2	650.8	589.7
67.5°	788.5	810.8	844.1	880.9	918.9	959.6	934.5	858.4	773.6	696.1	624.9
70°	820.2	847.9	887.7	929.4	966.2	999.7	976.7	892.5	796.9	711.4	633.3
72.5°	847.2	868.9	904.4	945.2	979.0	1002.1	983.7	902.3	806.2	718.9	637.4
75°	869.5	884.8	918.1	961.5	995.0	1008.3	989.7	910.2	814.3	725.9	641.0
77.5°	893.0	902.2	932.0	978.4	1013.6	1017.8	994.7	916.3	821.2	732.1	644.0
80°	917.7	920.9	946.4	995.9	1034.3	1029.8	998.6	920.6	827.1	737.7	646.4
82.5°	943.0	940.7	961.4	1014.2	1056.6	1043.5	1001.4	923.3	831.9	742.5	650.8
85°	968.9	961.5	977.3	1033.3	1079.8	1060.0	1005.5	926.9	837.6	748.4	650.8
87.5°	995.1	982.7	993.6	1052.9	1103.7	1073.4	1004.1	924.8	838.7	750.1	650.8
90°	1020.7	1004.7	1012.7	1074.7	1126.7	1086.7	1002.7	922.7	839.7	751.8	650.8
92.5°	995.1	982.7	993.6	1052.9	1103.7	1073.4	1004.1	924.8	838.7	750.1	650.8
95°	968.9	961.5	977.3	1033.3	1079.8	1060.0	1005.5	926.9	837.6	748.4	650.8
97.5°	943.0	940.7	961.4	1014.2	1056.6	1043.5	1001.4	923.3	831.9	742.5	650.8
100°	917.7	920.9	946.4	995.9	1034.3	1029.8	998.6	920.6	827.1	737.7	646.4
102.5°	893.0	902.2	932.0	978.4	1013.6	1017.8	994.7	916.3	821.2	732.1	644.0
105°	869.5	884.8	918.1	961.5	995.0	1008.3	989.7	910.2	814.3	725.9	641.0
107.5°	847.2	868.9	904.4	945.2	979.0	1002.1	983.7	902.3	806.2	718.9	637.4
110°	820.2	847.9	887.7	929.4	966.2	999.7	976.7	892.5	796.9	711.4	633.3



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	788.5	810.8	844.1	880.9	918.9	959.6	934.5	858.4	773.6	696.1	624.9
115°	753.9	771.8	798.1	827.7	859.0	893.5	857.5	788.3	717.2	650.8	589.7
117.5°	714.8	728.9	748.9	771.9	797.3	820.8	781.9	720.4	662.2	606.5	555.1
120°	671.7	681.7	696.0	713.1	733.1	739.6	706.1	655.0	609.1	563.5	521.4
122.5°	625.4	630.3	639.3	651.0	666.2	660.9	632.3	593.8	558.2	522.1	488.8
125°	573.2	574.1	578.5	585.6	596.2	584.7	562.6	536.1	510.0	482.4	457.3
127.5°	515.6	512.7	513.3	516.9	520.1	511.5	497.4	481.7	464.4	445.0	427.0
130°	463.3	446.6	443.4	444.2	444.7	442.2	437.0	430.9	421.5	409.9	398.3
132.5°	437.5	419.6	402.9	388.6	379.3	378.8	382.5	384.1	381.5	376.9	370.6
135°	411.3	394.0	378.8	366.8	357.8	354.5	352.9	352.0	349.8	347.7	343.8
137.5°	383.7	368.4	354.2	343.9	337.0	332.6	331.4	329.3	326.3	323.5	317.6
140°	355.8	341.3	330.0	320.1	314.5	310.9	309.2	305.9	302.3	298.7	291.0
142.5°	326.8	314.8	303.9	296.7	291.0	288.5	285.8	281.8	277.7	273.3	264.0
145°	297.8	286.8	278.4	271.4	267.8	265.3	261.3	257.3	252.2	246.2	236.7
147.5°	267.4	258.7	251.4	246.6	244.0	240.5	236.0	231.2	226.0	218.4	209.1
150°	237.1	229.8	224.7	222.1	218.9	214.5	209.8	204.6	199.5	190.2	181.2
152.5°	205.8	201.7	199.2	196.2	192.0	187.5	182.4	177.0	169.9	161.5	152.1
155°	188.5	182.2	175.6	168.4	164.0	159.2	154.0	148.1	140.4	132.3	123.1
157.5°	175.1	168.5	161.7	154.8	147.8	140.6	133.3	124.4	115.3	106.0	96.3
160°	158.9	152.6	146.3	140.0	133.6	127.0	119.0	110.9	102.6	94.1	85.3
162.5°	141.6	135.6	130.1	124.5	118.4	111.4	104.2	97.0	89.5	81.9	74.2
165°	122.6	117.9	113.8	107.3	101.3	95.2	88.9	82.6	76.2	69.6	62.9
167.5°	102.9	98.4	93.6	88.7	83.7	78.6	73.4	68.1	62.7	57.2	52.5
170°	81.1	77.4	73.8	69.8	65.9	61.9	57.7	53.4	49.1	45.6	42.2
172.5°	59.1	56.5	53.8	50.9	48.0	44.9	41.8	39.3	36.9	34.5	31.9
175°	37.3	35.5	33.7	32.4	31.0	29.6	28.1	26.5	25.0	23.3	21.6
177.5°	18.6	18.0	17.4	16.7	16.0	15.3	14.5	13.8	13.0	12.2	11.3
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	10.5	9.6	8.7	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.1
5°	19.9	18.2	16.4	14.6	14.4	14.3	14.1	13.9	13.7	13.5	13.2
7.5°	29.4	26.7	24.1	21.3	21.1	20.9	20.6	20.3	20.0	19.6	19.2
10°	38.8	35.3	31.7	28.1	27.8	27.5	27.1	26.7	26.2	25.8	25.4
12.5°	48.2	43.8	39.4	34.9	34.5	34.1	33.6	33.1	32.5	32.1	31.6
15°	57.6	52.4	47.1	41.7	41.2	40.7	40.0	39.4	38.9	38.3	37.7
17.5°	67.0	60.9	54.7	48.4	47.9	47.2	46.5	45.8	45.3	44.6	43.9
20°	76.4	69.4	62.4	55.2	54.5	53.7	52.9	52.3	51.6	50.8	50.2
22.5°	86.5	77.8	70.0	62.0	61.2	60.3	59.4	58.7	57.8	57.2	56.5
25°	113.3	103.9	95.5	86.7	84.9	82.8	80.5	78.0	75.4	72.9	70.2
27.5°	141.4	130.6	121.2	111.3	108.6	105.6	102.3	98.7	95.2	91.6	87.7
30°	169.4	157.4	146.9	136.0	132.2	128.1	123.6	118.8	114.2	109.3	104.3
32.5°	197.3	184.4	172.6	160.6	155.7	150.4	144.5	138.5	132.4	126.3	120.1
35°	225.2	211.3	198.3	185.3	179.1	172.4	165.1	157.6	150.0	142.6	135.1
37.5°	252.9	238.2	224.1	209.9	202.4	194.2	185.2	176.1	167.3	158.2	149.1
40°	280.5	265.1	249.8	234.6	225.6	215.7	205.0	194.2	183.5	173.2	162.2
42.5°	307.9	291.9	275.6	259.2	248.6	237.0	224.9	211.8	199.5	188.0	174.6
45°	334.3	318.6	301.3	283.9	271.6	258.1	243.6	228.9	215.1	201.1	186.3
47.5°	356.6	337.3	316.4	296.6	281.9	266.1	250.1	234.7	221.0	207.1	192.3
50°	379.5	356.1	331.5	309.2	291.8	273.3	254.9	238.0	223.0	208.4	193.0
52.5°	403.2	375.3	346.6	321.9	301.7	280.2	259.7	241.3	225.0	210.1	194.5
55°	427.9	394.9	361.8	334.6	311.4	286.9	264.3	244.4	227.0	212.1	196.6
57.5°	453.3	414.8	377.1	347.2	321.1	293.5	268.8	247.5	229.4	214.3	199.5
60°	479.3	434.9	392.4	359.9	330.6	299.8	273.1	250.6	232.0	217.1	203.7
62.5°	506.0	455.2	407.7	372.6	340.2	306.1	277.5	253.6	234.8	220.4	207.5
65°	533.1	475.7	423.1	385.2	349.6	312.3	281.8	256.6	237.9	224.2	212.4
67.5°	560.6	496.3	438.4	397.9	359.0	318.4	286.1	259.6	241.2	228.5	217.8
70°	566.1	500.3	441.5	397.1	356.1	314.7	282.8	257.0	239.7	228.1	218.8
72.5°	569.5	503.4	444.4	396.3	353.1	311.0	279.1	253.9	237.3	226.0	217.1
75°	572.4	506.3	449.2	395.6	350.2	307.3	275.6	251.1	235.1	224.0	215.7
77.5°	574.8	508.8	451.7	394.8	347.3	303.8	272.4	248.5	233.0	222.2	214.5
80°	576.8	512.9	454.1	394.0	344.5	300.5	269.3	246.2	231.1	220.5	213.5
82.5°	580.1	514.1	456.6	393.2	341.7	297.4	266.4	244.1	229.3	218.9	212.7
85°	580.4	515.3	459.0	392.5	339.0	294.4	263.7	242.2	227.7	217.4	212.0
87.5°	580.6	516.6	461.5	391.7	336.4	291.6	261.2	240.4	226.2	216.1	211.4
90°	580.8	517.8	463.9	390.9	333.9	288.9	258.9	238.9	224.9	214.9	210.9
92.5°	580.6	516.6	461.5	391.7	336.4	291.6	261.2	240.4	226.2	216.1	211.4
95°	580.4	515.3	459.0	392.5	339.0	294.4	263.7	242.2	227.7	217.4	212.0
97.5°	580.1	514.1	456.6	393.2	341.7	297.4	266.4	244.1	229.3	218.9	212.7
100°	576.8	512.9	454.1	394.0	344.5	300.5	269.3	246.2	231.1	220.5	213.5
102.5°	574.8	508.8	451.7	394.8	347.3	303.8	272.4	248.5	233.0	222.2	214.5
105°	572.4	506.3	449.2	395.6	350.2	307.3	275.6	251.1	235.1	224.0	215.7
107.5°	569.5	503.4	444.4	396.3	353.1	311.0	279.1	253.9	237.3	226.0	217.1
110°	566.1	500.3	441.5	397.1	356.1	314.7	282.8	257.0	239.7	228.1	218.8



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-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°	560.6	496.3	438.4	397.9	359.0	318.4	286.1	259.6	241.2	228.5	217.8
115°	533.1	475.7	423.1	385.2	349.6	312.3	281.8	256.6	237.9	224.2	212.4
117.5°	506.0	455.2	407.7	372.6	340.2	306.1	277.5	253.6	234.8	220.4	207.5
120°	479.3	434.9	392.4	359.9	330.6	299.8	273.1	250.6	232.0	217.1	203.7
122.5°	453.3	414.8	377.1	347.2	321.1	293.5	268.8	247.5	229.4	214.3	199.5
125°	427.9	394.9	361.8	334.6	311.4	286.9	264.3	244.4	227.0	212.1	196.6
127.5°	403.2	375.3	346.6	321.9	301.7	280.2	259.7	241.3	225.0	210.1	194.5
130°	379.5	356.1	331.5	309.2	291.8	273.3	254.9	238.0	223.0	208.4	193.0
132.5°	356.6	337.3	316.4	296.6	281.9	266.1	250.1	234.7	221.0	207.1	192.3
135°	334.3	318.6	301.3	283.9	271.6	258.1	243.6	228.9	215.1	201.1	186.3
137.5°	307.9	291.9	275.6	259.2	248.6	237.0	224.9	211.8	199.5	188.0	174.6
140°	280.5	265.1	249.8	234.6	225.6	215.7	205.0	194.2	183.5	173.2	162.2
142.5°	252.9	238.2	224.1	209.9	202.4	194.2	185.2	176.1	167.3	158.2	149.1
145°	225.2	211.3	198.3	185.3	179.1	172.4	165.1	157.6	150.0	142.6	135.1
147.5°	197.3	184.4	172.6	160.6	155.7	150.4	144.5	138.5	132.4	126.3	120.1
150°	169.4	157.4	146.9	136.0	132.2	128.1	123.6	118.8	114.2	109.3	104.3
152.5°	141.4	130.6	121.2	111.3	108.6	105.6	102.3	98.7	95.2	91.6	87.7
155°	113.3	103.9	95.5	86.7	84.9	82.8	80.5	78.0	75.4	72.9	70.2
157.5°	86.5	77.8	70.0	62.0	61.2	60.3	59.4	58.7	57.8	57.2	56.5
160°	76.4	69.4	62.4	55.2	54.5	53.7	52.9	52.3	51.6	50.8	50.2
162.5°	67.0	60.9	54.7	48.4	47.9	47.2	46.5	45.8	45.3	44.6	43.9
165°	57.6	52.4	47.1	41.7	41.2	40.7	40.0	39.4	38.9	38.3	37.7
167.5°	48.2	43.8	39.4	34.9	34.5	34.1	33.6	33.1	32.5	32.1	31.6
170°	38.8	35.3	31.7	28.1	27.8	27.5	27.1	26.7	26.2	25.8	25.4
172.5°	29.4	26.7	24.1	21.3	21.1	20.9	20.6	20.3	20.0	19.6	19.2
175°	19.9	18.2	16.4	14.6	14.4	14.3	14.1	13.9	13.7	13.5	13.2
177.5°	10.5	9.6	8.7	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.0
5°	12.9	12.6	12.3	11.9	11.6	11.2	10.9	10.5	10.2	9.8	9.4
7.5°	18.8	18.4	18.1	17.6	17.2	16.7	16.2	15.7	15.1	14.5	13.9
10°	24.9	24.5	23.9	23.4	22.8	22.2	21.6	20.9	20.2	19.4	18.6
12.5°	31.0	30.4	29.8	29.2	28.5	27.8	27.0	26.2	25.2	24.2	23.2
15°	37.1	36.5	35.8	35.1	34.3	33.3	32.2	31.1	30.0	28.8	27.6
17.5°	43.3	42.6	41.8	40.8	39.7	38.6	37.3	36.1	34.7	33.3	31.9
20°	49.5	48.7	47.6	46.4	45.1	43.8	42.4	40.9	39.5	38.1	36.6
22.5°	55.8	54.6	53.3	51.9	50.5	49.0	47.5	46.1	44.6	43.0	41.2
25°	67.2	64.0	60.6	57.4	55.8	54.4	53.0	51.4	49.5	47.5	45.5
27.5°	83.7	79.5	75.3	71.0	67.1	63.4	59.8	56.3	54.2	52.3	50.3
30°	99.2	93.9	88.5	83.3	78.3	73.4	68.8	64.6	61.1	57.9	54.7
32.5°	113.7	107.1	100.4	93.8	87.5	81.5	76.2	71.6	67.4	63.0	59.0
35°	127.1	119.0	110.6	102.6	95.0	88.2	82.3	76.8	71.6	66.9	63.2
37.5°	139.5	129.4	119.3	109.9	101.1	93.7	86.8	80.5	75.1	70.8	66.7
40°	150.9	138.4	126.7	115.8	106.4	97.9	90.2	83.7	78.7	74.0	69.5
42.5°	160.7	146.2	133.0	121.0	110.4	101.1	92.9	87.1	81.7	76.8	72.1
45°	169.5	153.2	138.2	125.3	113.8	103.5	96.4	90.1	84.6	79.4	74.5
47.5°	175.2	158.9	143.0	128.6	116.4	106.7	99.3	93.1	87.3	81.9	77.4
50°	176.4	160.6	145.9	132.1	119.3	110.1	102.4	95.8	89.9	84.9	80.2
52.5°	178.6	163.4	149.3	136.6	126.0	117.4	109.4	101.1	92.8	88.0	83.0
55°	181.6	167.3	153.8	142.1	133.7	126.2	118.9	111.0	102.8	94.3	86.4
57.5°	185.4	171.9	159.6	149.4	142.1	136.1	129.3	121.3	112.3	102.3	93.3
60°	189.9	177.1	166.2	158.0	152.0	146.8	140.5	131.5	120.4	109.1	98.9
62.5°	195.1	183.0	173.5	167.2	162.8	158.2	151.4	141.2	127.4	114.8	103.7
65°	201.0	189.9	181.5	177.1	174.2	170.2	162.0	149.0	133.7	119.8	107.5
67.5°	207.3	197.6	191.0	187.8	186.3	182.8	172.5	156.1	139.3	124.2	110.6
70°	209.9	202.5	198.6	198.5	198.6	194.7	182.6	162.7	144.4	128.1	113.2
72.5°	208.8	202.3	198.8	198.6	199.5	196.8	185.7	167.4	149.1	131.7	115.5
75°	208.0	202.3	198.8	198.5	199.2	195.9	184.8	168.2	150.8	133.6	117.5
77.5°	207.5	202.4	198.7	198.3	199.0	195.8	185.3	170.1	152.9	135.7	119.6
80°	207.3	202.7	198.6	197.9	198.7	196.3	186.9	173.0	155.7	138.5	122.3
82.5°	207.2	203.1	198.3	197.5	198.5	197.4	189.5	176.7	159.0	141.9	125.7
85°	207.3	203.6	198.1	196.9	198.3	198.7	192.9	181.2	163.0	145.9	129.8
87.5°	207.6	204.2	198.0	196.4	198.1	200.3	196.8	186.3	167.6	150.6	134.5
90°	207.9	204.9	197.9	195.9	197.9	201.9	200.9	191.9	172.9	156.0	140.0
92.5°	207.6	204.2	198.0	196.4	198.1	200.3	196.8	186.3	167.6	150.6	134.5
95°	207.3	203.6	198.1	196.9	198.3	198.7	192.9	181.2	163.0	145.9	129.8
97.5°	207.2	203.1	198.3	197.5	198.5	197.4	189.5	176.7	159.0	141.9	125.7
100°	207.3	202.7	198.6	197.9	198.7	196.3	186.9	173.0	155.7	138.5	122.3
102.5°	207.5	202.4	198.7	198.3	199.0	195.8	185.3	170.1	152.9	135.7	119.6
105°	208.0	202.3	198.8	198.5	199.2	195.9	184.8	168.2	150.8	133.6	117.5
107.5°	208.8	202.3	198.8	198.6	199.5	196.8	185.7	167.4	149.1	131.7	115.5
110°	209.9	202.5	198.6	198.5	198.6	194.7	182.6	162.7	144.4	128.1	113.2



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	207.3	197.6	191.0	187.8	186.3	182.8	172.5	156.1	139.3	124.2	110.6
115°	201.0	189.9	181.5	177.1	174.2	170.2	162.0	149.0	133.7	119.8	107.5
117.5°	195.1	183.0	173.5	167.2	162.8	158.2	151.4	141.2	127.4	114.8	103.7
120°	189.9	177.1	166.2	158.0	152.0	146.8	140.5	131.5	120.4	109.1	98.9
122.5°	185.4	171.9	159.6	149.4	142.1	136.1	129.3	121.3	112.3	102.3	93.3
125°	181.6	167.3	153.8	142.1	133.7	126.2	118.9	111.0	102.8	94.3	86.4
127.5°	178.6	163.4	149.3	136.6	126.0	117.4	109.4	101.1	92.8	88.0	83.0
130°	176.4	160.6	145.9	132.1	119.3	110.1	102.4	95.8	89.9	84.9	80.2
132.5°	175.2	158.9	143.0	128.6	116.4	106.7	99.3	93.1	87.3	81.9	77.4
135°	169.5	153.2	138.2	125.3	113.8	103.5	96.4	90.1	84.6	79.4	74.5
137.5°	160.7	146.2	133.0	121.0	110.4	101.1	92.9	87.1	81.7	76.8	72.1
140°	150.9	138.4	126.7	115.8	106.4	97.9	90.2	83.7	78.7	74.0	69.5
142.5°	139.5	129.4	119.3	109.9	101.1	93.7	86.8	80.5	75.1	70.8	66.7
145°	127.1	119.0	110.6	102.6	95.0	88.2	82.3	76.8	71.6	66.9	63.2
147.5°	113.7	107.1	100.4	93.8	87.5	81.5	76.2	71.6	67.4	63.0	59.0
150°	99.2	93.9	88.5	83.3	78.3	73.4	68.8	64.6	61.1	57.9	54.7
152.5°	83.7	79.5	75.3	71.0	67.1	63.4	59.8	56.3	54.2	52.3	50.3
155°	67.2	64.0	60.6	57.4	55.8	54.4	53.0	51.4	49.5	47.5	45.5
157.5°	55.8	54.6	53.3	51.9	50.5	49.0	47.5	46.1	44.6	43.0	41.2
160°	49.5	48.7	47.6	46.4	45.1	43.8	42.4	40.9	39.5	38.1	36.6
162.5°	43.3	42.6	41.8	40.8	39.7	38.6	37.3	36.1	34.7	33.3	31.9
165°	37.1	36.5	35.8	35.1	34.3	33.3	32.2	31.1	30.0	28.8	27.6
167.5°	31.0	30.4	29.8	29.2	28.5	27.8	27.0	26.2	25.2	24.2	23.2
170°	24.9	24.5	23.9	23.4	22.8	22.2	21.6	20.9	20.2	19.4	18.6
172.5°	18.8	18.4	18.1	17.6	17.2	16.7	16.2	15.7	15.1	14.5	13.9
175°	12.9	12.6	12.3	11.9	11.6	11.2	10.9	10.5	10.2	9.8	9.4
177.5°	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	4.8	4.5	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.3	2.1
5°	8.9	8.5	8.1	7.6	7.1	6.6	6.1	5.6	5.0	4.5	4.0
7.5°	13.3	12.7	12.0	11.3	10.6	9.9	9.1	8.4	7.6	6.8	5.9
10°	17.8	16.9	16.0	15.1	14.1	13.1	12.1	11.1	10.0	8.9	7.8
12.5°	22.1	21.0	19.8	18.7	17.4	16.2	15.0	13.7	12.4	11.0	9.7
15°	26.3	24.9	23.6	22.2	20.8	19.3	17.9	16.4	14.8	13.3	11.7
17.5°	30.5	29.0	27.5	26.0	24.4	22.7	20.9	19.1	17.3	15.4	13.6
20°	35.0	33.3	31.5	29.6	27.7	25.7	23.7	21.8	19.7	17.7	15.5
22.5°	39.2	37.2	35.2	33.3	31.2	29.1	26.9	24.6	22.2	19.8	17.3
25°	43.5	41.5	39.4	37.1	34.6	32.0	29.4	26.8	24.2	21.6	19.0
27.5°	48.2	45.6	42.8	40.1	37.4	34.7	32.0	29.3	26.4	23.5	20.6
30°	51.8	48.9	46.2	43.4	40.6	37.6	34.5	31.4	28.2	25.1	22.0
32.5°	55.7	52.7	49.8	46.5	43.2	39.9	36.6	33.3	30.0	26.6	23.3
35°	59.8	56.1	52.6	49.2	45.7	42.2	38.6	35.1	31.6	28.1	24.4
37.5°	62.7	58.9	55.2	51.6	48.1	44.4	40.6	36.6	32.7	28.8	25.2
40°	65.3	61.3	57.5	53.8	50.0	45.9	41.7	37.7	33.9	30.1	26.2
42.5°	67.7	63.7	59.8	55.6	51.3	47.2	43.3	39.2	34.9	30.7	26.7
45°	70.4	66.1	61.7	57.3	53.1	48.9	44.4	39.9	35.7	31.7	27.8
47.5°	72.9	68.3	63.8	59.4	54.7	50.0	45.5	41.1	36.9	32.8	28.7
50°	75.4	70.7	66.0	61.1	56.2	51.4	46.8	42.4	38.0	33.7	29.4
52.5°	78.0	73.1	68.1	62.9	57.7	52.9	48.2	43.6	39.0	34.8	30.8
55°	80.7	75.5	70.1	64.5	59.4	54.5	49.6	44.9	40.7	36.4	31.9
57.5°	85.3	78.1	71.9	66.4	61.2	56.0	51.3	46.9	42.0	37.2	32.0
60°	90.0	81.6	74.3	68.4	63.0	58.0	53.3	48.1	42.6	36.9	31.8
62.5°	93.5	84.2	76.4	70.1	64.9	60.2	54.6	48.5	42.4	37.0	31.9
65°	96.1	86.1	77.9	71.2	65.9	60.7	55.3	48.5	42.6	36.7	31.0
67.5°	98.1	87.4	79.0	72.1	65.7	59.6	53.4	48.5	42.3	35.9	30.0
70°	99.8	88.7	79.9	72.2	65.0	57.6	51.6	46.1	40.8	34.9	28.7
72.5°	101.0	89.9	80.5	71.8	63.5	55.8	49.6	43.7	38.0	32.7	27.4
75°	102.6	90.9	80.9	71.2	61.9	54.3	47.7	41.5	35.5	29.8	25.1
77.5°	105.0	92.6	81.3	70.5	60.6	52.9	46.2	39.6	33.2	27.4	22.7
80°	107.6	94.3	81.9	70.3	60.1	51.7	44.6	38.0	31.3	25.1	20.2
82.5°	110.4	96.3	82.7	70.4	59.5	50.3	42.3	35.4	29.0	23.1	17.6
85°	113.7	98.6	83.8	70.9	59.1	49.0	40.4	33.3	26.9	21.6	16.5
87.5°	117.5	101.4	85.5	72.1	59.2	48.2	38.9	31.9	25.6	21.0	16.8
90°	122.0	105.0	88.0	74.0	60.0	48.0	38.0	31.0	25.0	21.0	18.0
92.5°	117.5	101.4	85.5	72.1	59.2	48.2	38.9	31.9	25.6	21.0	16.8
95°	113.7	98.6	83.8	70.9	59.1	49.0	40.4	33.3	26.9	21.6	16.5
97.5°	110.4	96.3	82.7	70.4	59.5	50.3	42.3	35.4	29.0	23.1	17.6
100°	107.6	94.3	81.9	70.3	60.1	51.7	44.6	38.0	31.3	25.1	20.2
102.5°	105.0	92.6	81.3	70.5	60.6	52.9	46.2	39.6	33.2	27.4	22.7
105°	102.6	90.9	80.9	71.2	61.9	54.3	47.7	41.5	35.5	29.8	25.1
107.5°	101.0	89.9	80.5	71.8	63.5	55.8	49.6	43.7	38.0	32.7	27.4
110°	99.8	88.7	79.9	72.2	65.0	57.6	51.6	46.1	40.8	34.9	28.7





TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-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°	98.1	87.4	79.0	72.1	65.7	59.6	53.4	48.5	42.3	35.9	30.0
115°	96.1	86.1	77.9	71.2	65.9	60.7	55.3	48.5	42.6	36.7	31.0
117.5°	93.5	84.2	76.4	70.1	64.9	60.2	54.6	48.5	42.4	37.0	31.9
120°	90.0	81.6	74.3	68.4	63.0	58.0	53.3	48.1	42.6	36.9	31.8
122.5°	85.3	78.1	71.9	66.4	61.2	56.0	51.3	46.9	42.0	37.2	32.0
125°	80.7	75.5	70.1	64.5	59.4	54.5	49.6	44.9	40.7	36.4	31.9
127.5°	78.0	73.1	68.1	62.9	57.7	52.9	48.2	43.6	39.0	34.8	30.8
130°	75.4	70.7	66.0	61.1	56.2	51.4	46.8	42.4	38.0	33.7	29.4
132.5°	72.9	68.3	63.8	59.4	54.7	50.0	45.5	41.1	36.9	32.8	28.7
135°	70.4	66.1	61.7	57.3	53.1	48.9	44.4	39.9	35.7	31.7	27.8
137.5°	67.7	63.7	59.8	55.6	51.3	47.2	43.3	39.2	34.9	30.7	26.7
140°	65.3	61.3	57.5	53.8	50.0	45.9	41.7	37.7	33.9	30.1	26.2
142.5°	62.7	58.9	55.2	51.6	48.1	44.4	40.6	36.6	32.7	28.8	25.2
145°	59.8	56.1	52.6	49.2	45.7	42.2	38.6	35.1	31.6	28.1	24.4
147.5°	55.7	52.7	49.8	46.5	43.2	39.9	36.6	33.3	30.0	26.6	23.3
150°	51.8	48.9	46.2	43.4	40.6	37.6	34.5	31.4	28.2	25.1	22.0
152.5°	48.2	45.6	42.8	40.1	37.4	34.7	32.0	29.3	26.4	23.5	20.6
155°	43.5	41.5	39.4	37.1	34.6	32.0	29.4	26.8	24.2	21.6	19.0
157.5°	39.2	37.2	35.2	33.3	31.2	29.1	26.9	24.6	22.2	19.8	17.3
160°	35.0	33.3	31.5	29.6	27.7	25.7	23.7	21.8	19.7	17.7	15.5
162.5°	30.5	29.0	27.5	26.0	24.4	22.7	20.9	19.1	17.3	15.4	13.6
165°	26.3	24.9	23.6	22.2	20.8	19.3	17.9	16.4	14.8	13.3	11.7
167.5°	22.1	21.0	19.8	18.7	17.4	16.2	15.0	13.7	12.4	11.0	9.7
170°	17.8	16.9	16.0	15.1	14.1	13.1	12.1	11.1	10.0	8.9	7.8
172.5°	13.3	12.7	12.0	11.3	10.6	9.9	9.1	8.4	7.6	6.8	5.9
175°	8.9	8.5	8.1	7.6	7.1	6.6	6.1	5.6	5.0	4.5	4.0
177.5°	4.8	4.5	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.3	2.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
5°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
7.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
10°	6.8	5.6	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
12.5°	8.3	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
15°	10.1	8.4	6.7	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.7
17.5°	11.7	9.7	7.8	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.8
20°	13.4	11.2	9.0	6.8	4.5	2.3	0.0	2.3	4.5	6.8	9.0
22.5°	14.9	12.4	9.9	7.4	5.0	2.5	0.0	2.5	5.0	7.4	9.9
25°	16.3	13.6	10.9	8.2	5.5	2.7	0.0	2.7	5.5	8.2	10.9
27.5°	17.7	14.7	11.8	8.8	5.9	2.9	0.0	2.9	5.9	8.8	11.8
30°	18.8	15.7	12.6	9.4	6.3	3.1	0.0	3.1	6.3	9.4	12.6
32.5°	20.0	16.6	13.3	10.0	6.7	3.3	0.0	3.3	6.7	10.0	13.3
35°	20.8	17.3	13.8	10.3	6.9	3.4	0.0	3.4	6.9	10.3	13.8
37.5°	21.6	17.9	14.3	10.8	7.2	3.6	0.0	3.6	7.2	10.8	14.3
40°	22.3	18.5	14.7	11.0	7.3	3.6	0.0	3.6	7.3	11.0	14.7
42.5°	22.9	19.2	15.5	11.9	8.3	4.6	1.0	4.6	8.3	11.9	15.5
45°	23.9	20.0	16.2	12.4	8.6	4.8	1.0	4.8	8.6	12.4	16.2
47.5°	24.6	20.6	16.6	12.7	8.8	4.9	1.0	4.9	8.8	12.7	16.6
50°	25.3	21.3	17.3	13.3	9.2	5.1	1.0	5.1	9.2	13.3	17.3
52.5°	26.7	22.3	17.9	13.7	9.4	5.2	1.0	5.2	9.4	13.7	17.9
55°	27.3	22.6	18.0	13.6	9.3	5.1	1.0	5.1	9.3	13.6	18.0
57.5°	27.1	22.4	18.0	13.7	9.4	5.2	1.0	5.2	9.4	13.7	18.0
60°	27.3	22.7	17.9	13.5	9.2	5.1	1.0	5.1	9.2	13.5	17.9
62.5°	26.8	22.0	17.4	13.0	8.8	4.9	1.0	4.9	8.8	13.0	17.4
65°	25.8	21.1	16.6	12.3	8.3	4.6	1.0	4.6	8.3	12.3	16.6
67.5°	24.6	19.8	15.7	11.9	8.5	5.2	2.0	5.2	8.5	11.9	15.7
70°	23.2	18.8	15.1	11.7	8.3	5.1	2.0	5.1	8.3	11.7	15.1
72.5°	22.2	18.0	14.3	11.2	7.9	4.8	2.0	4.8	7.9	11.2	14.3
75°	21.4	17.1	13.3	10.0	6.8	4.2	2.0	4.2	6.8	10.0	13.3
77.5°	19.0	16.0	12.3	7.5	2.6	0.4	0.0	0.4	2.6	7.5	12.3
80°	16.0	13.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
82.5°	13.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	11.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	11.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	13.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	16.0	13.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
102.5°	19.0	16.0	12.3	7.5	2.6	0.4	0.0	0.4	2.6	7.5	12.3
105°	21.4	17.1	13.3	10.0	6.8	4.2	2.0	4.2	6.8	10.0	13.3
107.5°	22.2	18.0	14.3	11.2	7.9	4.8	2.0	4.8	7.9	11.2	14.3
110°	23.2	18.8	15.1	11.7	8.3	5.1	2.0	5.1	8.3	11.7	15.1



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	24.6	19.8	15.7	11.9	8.5	5.2	2.0	5.2	8.5	11.9	15.7
115°	25.8	21.1	16.6	12.3	8.3	4.6	1.0	4.6	8.3	12.3	16.6
117.5°	26.8	22.0	17.4	13.0	8.8	4.9	1.0	4.9	8.8	13.0	17.4
120°	27.3	22.7	17.9	13.5	9.2	5.1	1.0	5.1	9.2	13.5	17.9
122.5°	27.1	22.4	18.0	13.7	9.4	5.2	1.0	5.2	9.4	13.7	18.0
125°	27.3	22.6	18.0	13.6	9.3	5.1	1.0	5.1	9.3	13.6	18.0
127.5°	26.7	22.3	17.9	13.7	9.4	5.2	1.0	5.2	9.4	13.7	17.9
130°	25.3	21.3	17.3	13.3	9.2	5.1	1.0	5.1	9.2	13.3	17.3
132.5°	24.6	20.6	16.6	12.7	8.8	4.9	1.0	4.9	8.8	12.7	16.6
135°	23.9	20.0	16.2	12.4	8.6	4.8	1.0	4.8	8.6	12.4	16.2
137.5°	22.9	19.2	15.5	11.9	8.3	4.6	1.0	4.6	8.3	11.9	15.5
140°	22.3	18.5	14.7	11.0	7.3	3.6	0.0	3.6	7.3	11.0	14.7
142.5°	21.6	17.9	14.3	10.8	7.2	3.6	0.0	3.6	7.2	10.8	14.3
145°	20.8	17.3	13.8	10.3	6.9	3.4	0.0	3.4	6.9	10.3	13.8
147.5°	20.0	16.6	13.3	10.0	6.7	3.3	0.0	3.3	6.7	10.0	13.3
150°	18.8	15.7	12.6	9.4	6.3	3.1	0.0	3.1	6.3	9.4	12.6
152.5°	17.7	14.7	11.8	8.8	5.9	2.9	0.0	2.9	5.9	8.8	11.8
155°	16.3	13.6	10.9	8.2	5.5	2.7	0.0	2.7	5.5	8.2	10.9
157.5°	14.9	12.4	9.9	7.4	5.0	2.5	0.0	2.5	5.0	7.4	9.9
160°	13.4	11.2	9.0	6.8	4.5	2.3	0.0	2.3	4.5	6.8	9.0
162.5°	11.7	9.7	7.8	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.8
165°	10.1	8.4	6.7	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.7
167.5°	8.3	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
170°	6.8	5.6	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
172.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
175°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
177.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.5	1.8	2.1	2.3	2.6	2.9	3.2	3.5	3.7	4.0	4.3
5°	2.8	3.4	4.0	4.5	5.0	5.6	6.1	6.6	7.1	7.6	8.1
7.5°	4.3	5.1	5.9	6.8	7.6	8.4	9.1	9.9	10.6	11.3	12.0
10°	5.6	6.8	7.8	8.9	10.0	11.1	12.1	13.1	14.1	15.1	16.0
12.5°	7.0	8.3	9.7	11.0	12.4	13.7	15.0	16.2	17.4	18.7	19.8
15°	8.4	10.1	11.7	13.3	14.8	16.4	17.9	19.3	20.8	22.2	23.6
17.5°	9.7	11.7	13.6	15.4	17.3	19.1	20.9	22.7	24.4	26.0	27.5
20°	11.2	13.4	15.5	17.7	19.7	21.8	23.7	25.7	27.7	29.6	31.5
22.5°	12.4	14.9	17.3	19.8	22.2	24.6	26.9	29.1	31.2	33.3	35.2
25°	13.6	16.3	19.0	21.6	24.2	26.8	29.4	32.0	34.6	37.1	39.4
27.5°	14.7	17.7	20.6	23.5	26.4	29.3	32.0	34.7	37.4	40.1	42.8
30°	15.7	18.8	22.0	25.1	28.2	31.4	34.5	37.6	40.6	43.4	46.2
32.5°	16.6	20.0	23.3	26.6	30.0	33.3	36.6	39.9	43.2	46.5	49.8
35°	17.3	20.8	24.4	28.1	31.6	35.1	38.6	42.2	45.7	49.2	52.6
37.5°	17.9	21.6	25.2	28.8	32.7	36.6	40.6	44.4	48.1	51.6	55.2
40°	18.5	22.3	26.2	30.1	33.9	37.7	41.7	45.9	50.0	53.8	57.5
42.5°	19.2	22.9	26.7	30.7	34.9	39.2	43.3	47.2	51.3	55.6	59.8
45°	20.0	23.9	27.8	31.7	35.7	39.9	44.4	48.9	53.1	57.3	61.7
47.5°	20.6	24.6	28.7	32.8	36.9	41.1	45.5	50.0	54.7	59.4	63.8
50°	21.3	25.3	29.4	33.7	38.0	42.4	46.8	51.4	56.2	61.1	66.0
52.5°	22.3	26.7	30.8	34.8	39.0	43.6	48.2	52.9	57.7	62.9	68.1
55°	22.6	27.3	31.9	36.4	40.7	44.9	49.6	54.5	59.4	64.5	70.1
57.5°	22.4	27.1	32.0	37.2	42.0	46.9	51.3	56.0	61.2	66.4	71.9
60°	22.7	27.3	31.8	36.9	42.6	48.1	53.3	58.0	63.0	68.4	74.3
62.5°	22.0	26.8	31.9	37.0	42.4	48.5	54.6	60.2	64.9	70.1	76.4
65°	21.1	25.8	31.0	36.7	42.6	48.5	55.3	60.7	65.9	71.2	77.9
67.5°	19.8	24.6	30.0	35.9	42.3	48.5	53.4	59.6	65.7	72.1	79.0
70°	18.8	23.2	28.7	34.9	40.8	46.1	51.6	57.6	65.0	72.2	79.9
72.5°	18.0	22.2	27.4	32.7	38.0	43.7	49.6	55.8	63.5	71.8	80.5
75°	17.1	21.4	25.1	29.8	35.5	41.5	47.7	54.3	61.9	71.2	80.9
77.5°	16.0	19.0	22.7	27.4	33.2	39.6	46.2	52.9	60.6	70.5	81.3
80°	13.3	16.0	20.2	25.1	31.3	38.0	44.6	51.7	60.1	70.3	81.9
82.5°	8.7	13.0	17.6	23.1	29.0	35.4	42.3	50.3	59.5	70.4	82.7
85°	3.4	11.3	16.5	21.6	26.9	33.3	40.4	49.0	59.1	70.9	83.8
87.5°	1.1	11.7	16.8	21.0	25.6	31.9	38.9	48.2	59.2	72.1	85.5
90°	0.0	13.0	18.0	21.0	25.0	31.0	38.0	48.0	60.0	74.0	88.0
92.5°	1.1	11.7	16.8	21.0	25.6	31.9	38.9	48.2	59.2	72.1	85.5
95°	3.4	11.3	16.5	21.6	26.9	33.3	40.4	49.0	59.1	70.9	83.8
97.5°	8.7	13.0	17.6	23.1	29.0	35.4	42.3	50.3	59.5	70.4	82.7
100°	13.3	16.0	20.2	25.1	31.3	38.0	44.6	51.7	60.1	70.3	81.9
102.5°	16.0	19.0	22.7	27.4	33.2	39.6	46.2	52.9	60.6	70.5	81.3
105°	17.1	21.4	25.1	29.8	35.5	41.5	47.7	54.3	61.9	71.2	80.9
107.5°	18.0	22.2	27.4	32.7	38.0	43.7	49.6	55.8	63.5	71.8	80.5
110°	18.8	23.2	28.7	34.9	40.8	46.1	51.6	57.6	65.0	72.2	79.9



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-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°	19.8	24.6	30.0	35.9	42.3	48.5	53.4	59.6	65.7	72.1	79.0
115°	21.1	25.8	31.0	36.7	42.6	48.5	55.3	60.7	65.9	71.2	77.9
117.5°	22.0	26.8	31.9	37.0	42.4	48.5	54.6	60.2	64.9	70.1	76.4
120°	22.7	27.3	31.8	36.9	42.6	48.1	53.3	58.0	63.0	68.4	74.3
122.5°	22.4	27.1	32.0	37.2	42.0	46.9	51.3	56.0	61.2	66.4	71.9
125°	22.6	27.3	31.9	36.4	40.7	44.9	49.6	54.5	59.4	64.5	70.1
127.5°	22.3	26.7	30.8	34.8	39.0	43.6	48.2	52.9	57.7	62.9	68.1
130°	21.3	25.3	29.4	33.7	38.0	42.4	46.8	51.4	56.2	61.1	66.0
132.5°	20.6	24.6	28.7	32.8	36.9	41.1	45.5	50.0	54.7	59.4	63.8
135°	20.0	23.9	27.8	31.7	35.7	39.9	44.4	48.9	53.1	57.3	61.7
137.5°	19.2	22.9	26.7	30.7	34.9	39.2	43.3	47.2	51.3	55.6	59.8
140°	18.5	22.3	26.2	30.1	33.9	37.7	41.7	45.9	50.0	53.8	57.5
142.5°	17.9	21.6	25.2	28.8	32.7	36.6	40.6	44.4	48.1	51.6	55.2
145°	17.3	20.8	24.4	28.1	31.6	35.1	38.6	42.2	45.7	49.2	52.6
147.5°	16.6	20.0	23.3	26.6	30.0	33.3	36.6	39.9	43.2	46.5	49.8
150°	15.7	18.8	22.0	25.1	28.2	31.4	34.5	37.6	40.6	43.4	46.2
152.5°	14.7	17.7	20.6	23.5	26.4	29.3	32.0	34.7	37.4	40.1	42.8
155°	13.6	16.3	19.0	21.6	24.2	26.8	29.4	32.0	34.6	37.1	39.4
157.5°	12.4	14.9	17.3	19.8	22.2	24.6	26.9	29.1	31.2	33.3	35.2
160°	11.2	13.4	15.5	17.7	19.7	21.8	23.7	25.7	27.7	29.6	31.5
162.5°	9.7	11.7	13.6	15.4	17.3	19.1	20.9	22.7	24.4	26.0	27.5
165°	8.4	10.1	11.7	13.3	14.8	16.4	17.9	19.3	20.8	22.2	23.6
167.5°	7.0	8.3	9.7	11.0	12.4	13.7	15.0	16.2	17.4	18.7	19.8
170°	5.6	6.8	7.8	8.9	10.0	11.1	12.1	13.1	14.1	15.1	16.0
172.5°	4.3	5.1	5.9	6.8	7.6	8.4	9.1	9.9	10.6	11.3	12.0
175°	2.8	3.4	4.0	4.5	5.0	5.6	6.1	6.6	7.1	7.6	8.1
177.5°	1.5	1.8	2.1	2.3	2.6	2.9	3.2	3.5	3.7	4.0	4.3
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	4.5	4.8	5.0	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7
5°	8.5	8.9	9.4	9.8	10.2	10.5	10.9	11.2	11.6	11.9	12.3
7.5°	12.7	13.3	13.9	14.5	15.1	15.7	16.2	16.7	17.2	17.6	18.1
10°	16.9	17.8	18.6	19.4	20.2	20.9	21.6	22.2	22.8	23.4	23.9
12.5°	21.0	22.1	23.2	24.2	25.2	26.2	27.0	27.8	28.5	29.2	29.8
15°	24.9	26.3	27.6	28.8	30.0	31.1	32.2	33.3	34.3	35.1	35.8
17.5°	29.0	30.5	31.9	33.3	34.7	36.1	37.3	38.6	39.7	40.8	41.8
20°	33.3	35.0	36.6	38.1	39.5	40.9	42.4	43.8	45.1	46.4	47.6
22.5°	37.2	39.2	41.2	43.0	44.6	46.1	47.5	49.0	50.5	51.9	53.3
25°	41.5	43.5	45.5	47.5	49.5	51.4	53.0	54.4	55.8	57.4	60.6
27.5°	45.6	48.2	50.3	52.3	54.2	56.3	59.8	63.4	67.1	71.0	75.3
30°	48.9	51.8	54.7	57.9	61.1	64.6	68.8	73.4	78.3	83.3	88.5
32.5°	52.7	55.7	59.0	63.0	67.4	71.6	76.2	81.5	87.5	93.8	100.4
35°	56.1	59.8	63.2	66.9	71.6	76.8	82.3	88.2	95.0	102.6	110.6
37.5°	58.9	62.7	66.7	70.8	75.1	80.5	86.8	93.7	101.1	109.9	119.3
40°	61.3	65.3	69.5	74.0	78.7	83.7	90.2	97.9	106.4	115.8	126.7
42.5°	63.7	67.7	72.1	76.8	81.7	87.1	92.9	101.1	110.4	121.0	133.0
45°	66.1	70.4	74.5	79.4	84.6	90.1	96.4	103.5	113.8	125.3	138.2
47.5°	68.3	72.9	77.4	81.9	87.3	93.1	99.3	106.7	116.4	128.6	143.0
50°	70.7	75.4	80.2	84.9	89.9	95.8	102.4	110.1	119.3	132.1	145.9
52.5°	73.1	78.0	83.0	88.0	92.8	101.1	109.4	117.4	126.0	136.6	149.3
55°	75.5	80.7	86.4	94.3	102.8	111.0	118.9	126.2	133.7	142.1	153.8
57.5°	78.1	85.3	93.3	102.3	112.3	121.3	129.3	136.1	142.1	149.4	159.6
60°	81.6	90.0	98.9	109.1	120.4	131.5	140.5	146.8	152.0	158.0	166.2
62.5°	84.2	93.5	103.7	114.8	127.4	141.2	151.4	158.2	162.8	167.2	173.5
65°	86.1	96.1	107.5	119.8	133.7	149.0	162.0	170.2	174.2	177.1	181.5
67.5°	87.4	98.1	110.6	124.2	139.3	156.1	172.5	182.8	186.3	187.8	191.0
70°	88.7	99.8	113.2	128.1	144.4	162.7	182.6	194.7	198.6	198.5	198.6
72.5°	89.9	101.0	115.5	131.7	149.1	167.4	185.7	196.8	199.5	198.6	198.8
75°	90.9	102.6	117.5	133.6	150.8	168.2	184.8	195.9	199.2	198.5	198.8
77.5°	92.6	105.0	119.6	135.7	152.9	170.1	185.3	195.8	199.0	198.3	198.7
80°	94.3	107.6	122.3	138.5	155.7	173.0	186.9	196.3	198.7	197.9	198.6
82.5°	96.3	110.4	125.7	141.9	159.0	176.7	189.5	197.4	198.5	197.5	198.3
85°	98.6	113.7	129.8	145.9	163.0	181.2	192.9	198.7	198.3	196.9	198.1
87.5°	101.4	117.5	134.5	150.6	167.6	186.3	196.8	200.3	198.1	196.4	198.0
90°	105.0	122.0	140.0	156.0	172.9	191.9	200.9	201.9	197.9	195.9	197.9
92.5°	101.4	117.5	134.5	150.6	167.6	186.3	196.8	200.3	198.1	196.4	198.0
95°	98.6	113.7	129.8	145.9	163.0	181.2	192.9	198.7	198.3	196.9	198.1
97.5°	96.3	110.4	125.7	141.9	159.0	176.7	189.5	197.4	198.5	197.5	198.3
100°	94.3	107.6	122.3	138.5	155.7	173.0	186.9	196.3	198.7	197.9	198.6
102.5°	92.6	105.0	119.6	135.7	152.9	170.1	185.3	195.8	199.0	198.3	198.7
105°	90.9	102.6	117.5	133.6	150.8	168.2	184.8	195.9	199.2	198.5	198.8
107.5°	89.9	101.0	115.5	131.7	149.1	167.4	185.7	196.8	199.5	198.6	198.8
110°	88.7	99.8	113.2	128.1	144.4	162.7	182.6	194.7	198.6	198.5	198.6



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	87.4	98.1	110.6	124.2	139.3	156.1	172.5	182.8	186.3	187.8	191.0
115°	86.1	96.1	107.5	119.8	133.7	149.0	162.0	170.2	174.2	177.1	181.5
117.5°	84.2	93.5	103.7	114.8	127.4	141.2	151.4	158.2	162.8	167.2	173.5
120°	81.6	90.0	98.9	109.1	120.4	131.5	140.5	146.8	152.0	158.0	166.2
122.5°	78.1	85.3	93.3	102.3	112.3	121.3	129.3	136.1	142.1	149.4	159.6
125°	75.5	80.7	86.4	94.3	102.8	111.0	118.9	126.2	133.7	142.1	153.8
127.5°	73.1	78.0	83.0	88.0	92.8	101.1	109.4	117.4	126.0	136.6	149.3
130°	70.7	75.4	80.2	84.9	89.9	95.8	102.4	110.1	119.3	132.1	145.9
132.5°	68.3	72.9	77.4	81.9	87.3	93.1	99.3	106.7	116.4	128.6	143.0
135°	66.1	70.4	74.5	79.4	84.6	90.1	96.4	103.5	113.8	125.3	138.2
137.5°	63.7	67.7	72.1	76.8	81.7	87.1	92.9	101.1	110.4	121.0	133.0
140°	61.3	65.3	69.5	74.0	78.7	83.7	90.2	97.9	106.4	115.8	126.7
142.5°	58.9	62.7	66.7	70.8	75.1	80.5	86.8	93.7	101.1	109.9	119.3
145°	56.1	59.8	63.2	66.9	71.6	76.8	82.3	88.2	95.0	102.6	110.6
147.5°	52.7	55.7	59.0	63.0	67.4	71.6	76.2	81.5	87.5	93.8	100.4
150°	48.9	51.8	54.7	57.9	61.1	64.6	68.8	73.4	78.3	83.3	88.5
152.5°	45.6	48.2	50.3	52.3	54.2	56.3	59.8	63.4	67.1	71.0	75.3
155°	41.5	43.5	45.5	47.5	49.5	51.4	53.0	54.4	55.8	57.4	60.6
157.5°	37.2	39.2	41.2	43.0	44.6	46.1	47.5	49.0	50.5	51.9	53.3
160°	33.3	35.0	36.6	38.1	39.5	40.9	42.4	43.8	45.1	46.4	47.6
162.5°	29.0	30.5	31.9	33.3	34.7	36.1	37.3	38.6	39.7	40.8	41.8
165°	24.9	26.3	27.6	28.8	30.0	31.1	32.2	33.3	34.3	35.1	35.8
167.5°	21.0	22.1	23.2	24.2	25.2	26.2	27.0	27.8	28.5	29.2	29.8
170°	16.9	17.8	18.6	19.4	20.2	20.9	21.6	22.2	22.8	23.4	23.9
172.5°	12.7	13.3	13.9	14.5	15.1	15.7	16.2	16.7	17.2	17.6	18.1
175°	8.5	8.9	9.4	9.8	10.2	10.5	10.9	11.2	11.6	11.9	12.3
177.5°	4.5	4.8	5.0	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	6.8	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.7	7.8	8.7
5°	12.6	12.9	13.2	13.5	13.7	13.9	14.1	14.3	14.4	14.6	16.4
7.5°	18.4	18.8	19.2	19.6	20.0	20.3	20.6	20.9	21.1	21.3	24.1
10°	24.5	24.9	25.4	25.8	26.2	26.7	27.1	27.5	27.8	28.1	31.7
12.5°	30.4	31.0	31.6	32.1	32.5	33.1	33.6	34.1	34.5	34.9	39.4
15°	36.5	37.1	37.7	38.3	38.9	39.4	40.0	40.7	41.2	41.7	47.1
17.5°	42.6	43.3	43.9	44.6	45.3	45.8	46.5	47.2	47.9	48.4	54.7
20°	48.7	49.5	50.2	50.8	51.6	52.3	52.9	53.7	54.5	55.2	62.4
22.5°	54.6	55.8	56.5	57.2	57.8	58.7	59.4	60.3	61.2	62.0	70.0
25°	64.0	67.2	70.2	72.9	75.4	78.0	80.5	82.8	84.9	86.7	95.5
27.5°	79.5	83.7	87.7	91.6	95.2	98.7	102.3	105.6	108.6	111.3	121.2
30°	93.9	99.2	104.3	109.3	114.2	118.8	123.6	128.1	132.2	136.0	146.9
32.5°	107.1	113.7	120.1	126.3	132.4	138.5	144.5	150.4	155.7	160.6	172.6
35°	119.0	127.1	135.1	142.6	150.0	157.6	165.1	172.4	179.1	185.3	198.3
37.5°	129.4	139.5	149.1	158.2	167.3	176.1	185.2	194.2	202.4	209.9	224.1
40°	138.4	150.9	162.2	173.2	183.5	194.2	205.0	215.7	225.6	234.6	249.8
42.5°	146.2	160.7	174.6	188.0	199.5	211.8	224.9	237.0	248.6	259.2	275.6
45°	153.2	169.5	186.3	201.1	215.1	228.9	243.6	258.1	271.6	283.9	301.3
47.5°	158.9	175.2	192.3	207.1	221.0	234.7	250.1	266.1	281.9	296.6	316.4
50°	160.6	176.4	193.0	208.4	223.0	238.0	254.9	273.3	291.8	309.2	331.5
52.5°	163.4	178.6	194.5	210.1	225.0	241.3	259.7	280.2	301.7	321.9	346.6
55°	167.3	181.6	196.6	212.1	227.0	244.4	264.3	286.9	311.4	334.6	361.8
57.5°	171.9	185.4	199.5	214.3	229.4	247.5	268.8	293.5	321.1	347.2	377.1
60°	177.1	189.9	203.7	217.1	232.0	250.6	273.1	299.8	330.6	359.9	392.4
62.5°	183.0	195.1	207.5	220.4	234.8	253.6	277.5	306.1	340.2	372.6	407.7
65°	189.9	201.0	212.4	224.2	237.9	256.6	281.8	312.3	349.6	385.2	423.1
67.5°	197.6	207.3	217.8	228.5	241.2	259.6	286.1	318.4	359.0	397.9	438.4
70°	202.5	209.9	218.8	228.1	239.7	257.0	282.8	314.7	356.1	397.1	441.5
72.5°	202.3	208.8	217.1	226.0	237.3	253.9	279.1	311.0	353.1	396.3	444.4
75°	202.3	208.0	215.7	224.0	235.1	251.1	275.6	307.3	350.2	395.6	449.2
77.5°	202.4	207.5	214.5	222.2	233.0	248.5	272.4	303.8	347.3	394.8	451.7
80°	202.7	207.3	213.5	220.5	231.1	246.2	269.3	300.5	344.5	394.0	454.1
82.5°	203.1	207.2	212.7	218.9	229.3	244.1	266.4	297.4	341.7	393.2	456.6
85°	203.6	207.3	212.0	217.4	227.7	242.2	263.7	294.4	339.0	392.5	459.0
87.5°	204.2	207.6	211.4	216.1	226.2	240.4	261.2	291.6	336.4	391.7	461.5
90°	204.9	207.9	210.9	214.9	224.9	238.9	258.9	288.9	333.9	390.9	463.9
92.5°	204.2	207.6	211.4	216.1	226.2	240.4	261.2	291.6	336.4	391.7	461.5
95°	203.6	207.3	212.0	217.4	227.7	242.2	263.7	294.4	339.0	392.5	459.0
97.5°	203.1	207.2	212.7	218.9	229.3	244.1	266.4	297.4	341.7	393.2	456.6
100°	202.7	207.3	213.5	220.5	231.1	246.2	269.3	300.5	344.5	394.0	454.1
102.5°	202.4	207.5	214.5	222.2	233.0	248.5	272.4	303.8	347.3	394.8	451.7
105°	202.3	208.0	215.7	224.0	235.1	251.1	275.6	307.3	350.2	395.6	449.2
107.5°	202.3	208.8	217.1	226.0	237.3	253.9	279.1	311.0	353.1	396.3	444.4
110°	202.5	209.9	218.8	228.1	239.7	257.0	282.8	314.7	356.1	397.1	441.5





TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-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°	197.6	207.3	217.8	228.5	241.2	259.6	286.1	318.4	359.0	397.9	438.4
115°	189.9	201.0	212.4	224.2	237.9	256.6	281.8	312.3	349.6	385.2	423.1
117.5°	183.0	195.1	207.5	220.4	234.8	253.6	277.5	306.1	340.2	372.6	407.7
120°	177.1	189.9	203.7	217.1	232.0	250.6	273.1	299.8	330.6	359.9	392.4
122.5°	171.9	185.4	199.5	214.3	229.4	247.5	268.8	293.5	321.1	347.2	377.1
125°	167.3	181.6	196.6	212.1	227.0	244.4	264.3	286.9	311.4	334.6	361.8
127.5°	163.4	178.6	194.5	210.1	225.0	241.3	259.7	280.2	301.7	321.9	346.6
130°	160.6	176.4	193.0	208.4	223.0	238.0	254.9	273.3	291.8	309.2	331.5
132.5°	158.9	175.2	192.3	207.1	221.0	234.7	250.1	266.1	281.9	296.6	316.4
135°	153.2	169.5	186.3	201.1	215.1	228.9	243.6	258.1	271.6	283.9	301.3
137.5°	146.2	160.7	174.6	188.0	199.5	211.8	224.9	237.0	248.6	259.2	275.6
140°	138.4	150.9	162.2	173.2	183.5	194.2	205.0	215.7	225.6	234.6	249.8
142.5°	129.4	139.5	149.1	158.2	167.3	176.1	185.2	194.2	202.4	209.9	224.1
145°	119.0	127.1	135.1	142.6	150.0	157.6	165.1	172.4	179.1	185.3	198.3
147.5°	107.1	113.7	120.1	126.3	132.4	138.5	144.5	150.4	155.7	160.6	172.6
150°	93.9	99.2	104.3	109.3	114.2	118.8	123.6	128.1	132.2	136.0	146.9
152.5°	79.5	83.7	87.7	91.6	95.2	98.7	102.3	105.6	108.6	111.3	121.2
155°	64.0	67.2	70.2	72.9	75.4	78.0	80.5	82.8	84.9	86.7	95.5
157.5°	54.6	55.8	56.5	57.2	57.8	58.7	59.4	60.3	61.2	62.0	70.0
160°	48.7	49.5	50.2	50.8	51.6	52.3	52.9	53.7	54.5	55.2	62.4
162.5°	42.6	43.3	43.9	44.6	45.3	45.8	46.5	47.2	47.9	48.4	54.7
165°	36.5	37.1	37.7	38.3	38.9	39.4	40.0	40.7	41.2	41.7	47.1
167.5°	30.4	31.0	31.6	32.1	32.5	33.1	33.6	34.1	34.5	34.9	39.4
170°	24.5	24.9	25.4	25.8	26.2	26.7	27.1	27.5	27.8	28.1	31.7
172.5°	18.4	18.8	19.2	19.6	20.0	20.3	20.6	20.9	21.1	21.3	24.1
175°	12.6	12.9	13.2	13.5	13.7	13.9	14.1	14.3	14.4	14.6	16.4
177.5°	6.8	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.7	7.8	8.7
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	9.6	10.5	11.3	12.2	13.0	13.8	14.5	15.3	16.0	16.7	17.4
5°	18.2	19.9	21.6	23.3	25.0	26.5	28.1	29.6	31.0	32.4	33.7
7.5°	26.7	29.4	31.9	34.5	36.9	39.3	41.8	44.9	48.0	50.9	53.8
10°	35.3	38.8	42.2	45.6	49.1	53.4	57.7	61.9	65.9	69.8	73.8
12.5°	43.8	48.2	52.5	57.2	62.7	68.1	73.4	78.6	83.7	88.7	93.6
15°	52.4	57.6	62.9	69.6	76.2	82.6	88.9	95.2	101.3	107.3	113.8
17.5°	60.9	67.0	74.2	81.9	89.5	97.0	104.2	111.4	118.4	124.5	130.1
20°	69.4	76.4	85.3	94.1	102.6	110.9	119.0	127.0	133.6	140.0	146.3
22.5°	77.8	86.5	96.3	106.0	115.3	124.4	133.3	140.6	147.8	154.8	161.7
25°	103.9	113.3	123.1	132.3	140.4	148.1	154.0	159.2	164.0	168.4	175.6
27.5°	130.6	141.4	152.1	161.5	169.9	177.0	182.4	187.5	192.0	196.2	199.2
30°	157.4	169.4	181.2	190.2	199.5	204.6	209.8	214.5	218.9	222.1	224.7
32.5°	184.4	197.3	209.1	218.4	226.0	231.2	236.0	240.5	244.0	246.6	251.4
35°	211.3	225.2	236.7	246.2	252.2	257.3	261.3	265.3	267.8	271.4	278.4
37.5°	238.2	252.9	264.0	273.3	277.7	281.8	285.8	288.5	291.0	296.7	303.9
40°	265.1	280.5	291.0	298.7	302.3	305.9	309.2	310.9	314.5	320.1	330.0
42.5°	291.9	307.9	317.6	323.5	326.3	329.3	331.4	332.6	337.0	343.9	354.2
45°	318.6	334.3	343.8	347.7	349.8	352.0	352.9	354.5	357.8	366.8	378.8
47.5°	337.3	356.6	370.6	376.9	381.5	384.1	382.5	378.8	379.3	388.6	402.9
50°	356.1	379.5	398.3	409.9	421.5	430.9	437.0	442.2	444.7	444.2	443.4
52.5°	375.3	403.2	427.0	445.0	464.4	481.7	497.4	511.5	520.1	516.9	513.3
55°	394.9	427.9	457.3	482.4	510.0	536.1	562.6	584.7	596.2	585.6	578.5
57.5°	414.8	453.3	488.8	522.1	558.2	593.8	632.3	660.9	666.2	651.0	639.3
60°	434.9	479.3	521.4	563.5	609.1	655.0	706.1	739.6	733.1	713.1	696.0
62.5°	455.2	506.0	555.1	606.5	662.2	720.4	781.9	820.8	797.3	771.9	748.9
65°	475.7	533.1	589.7	650.8	717.2	788.3	857.5	893.5	859.0	827.7	798.1
67.5°	496.3	560.6	624.9	696.1	773.6	858.4	934.5	959.6	918.9	880.9	844.1
70°	500.3	566.1	633.3	711.4	796.9	892.5	976.7	999.7	966.2	929.4	887.7
72.5°	503.4	569.5	637.4	718.9	806.2	902.3	983.7	1002.1	979.0	945.2	904.4
75°	506.3	572.4	641.0	725.9	814.3	910.2	989.7	1008.3	995.0	961.5	918.1
77.5°	508.8	574.8	644.0	732.1	821.2	916.3	994.7	1017.8	1013.6	978.4	932.0
80°	512.9	576.8	646.4	737.7	827.1	920.6	998.6	1029.8	1034.3	995.9	946.4
82.5°	514.1	580.1	650.8	742.5	831.9	923.3	1001.4	1043.5	1056.6	1014.2	961.4
85°	515.3	580.4	650.8	748.4	837.6	926.9	1005.5	1060.0	1079.8	1033.3	977.3
87.5°	516.6	580.6	650.8	750.1	838.7	924.8	1004.1	1073.4	1103.7	1052.9	993.6
90°	517.8	580.8	650.8	751.8	839.7	922.7	1002.7	1086.7	1126.7	1074.7	1012.7
92.5°	516.6	580.6	650.8	750.1	838.7	924.8	1004.1	1073.4	1103.7	1052.9	993.6
95°	515.3	580.4	650.8	748.4	837.6	926.9	1005.5	1060.0	1079.8	1033.3	977.3
97.5°	514.1	580.1	650.8	742.5	831.9	923.3	1001.4	1043.5	1056.6	1014.2	961.4
100°	512.9	576.8	646.4	737.7	827.1	920.6	998.6	1029.8	1034.3	995.9	946.4
102.5°	508.8	574.8	644.0	732.1	821.2	916.3	994.7	1017.8	1013.6	978.4	932.0
105°	506.3	572.4	641.0	725.9	814.3	910.2	989.7	1008.3	995.0	961.5	918.1
107.5°	503.4	569.5	637.4	718.9	806.2	902.3	983.7	1002.1	979.0	945.2	904.4
110°	500.3	566.1	633.3	711.4	796.9	892.5	976.7	999.7	966.2	929.4	887.7



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	496.3	560.6	624.9	696.1	773.6	858.4	934.5	959.6	918.9	880.9	844.1
115°	475.7	533.1	589.7	650.8	717.2	788.3	857.5	893.5	859.0	827.7	798.1
117.5°	455.2	506.0	555.1	606.5	662.2	720.4	781.9	820.8	797.3	771.9	748.9
120°	434.9	479.3	521.4	563.5	609.1	655.0	706.1	739.6	733.1	713.1	696.0
122.5°	414.8	453.3	488.8	522.1	558.2	593.8	632.3	660.9	666.2	651.0	639.3
125°	394.9	427.9	457.3	482.4	510.0	536.1	562.6	584.7	596.2	585.6	578.5
127.5°	375.3	403.2	427.0	445.0	464.4	481.7	497.4	511.5	520.1	516.9	513.3
130°	356.1	379.5	398.3	409.9	421.5	430.9	437.0	442.2	444.7	444.2	443.4
132.5°	337.3	356.6	370.6	376.9	381.5	384.1	382.5	378.8	379.3	388.6	402.9
135°	318.6	334.3	343.8	347.7	349.8	352.0	352.9	354.5	357.8	366.8	378.8
137.5°	291.9	307.9	317.6	323.5	326.3	329.3	331.4	332.6	337.0	343.9	354.2
140°	265.1	280.5	291.0	298.7	302.3	305.9	309.2	310.9	314.5	320.1	330.0
142.5°	238.2	252.9	264.0	273.3	277.7	281.8	285.8	288.5	291.0	296.7	303.9
145°	211.3	225.2	236.7	246.2	252.2	257.3	261.3	265.3	267.8	271.4	278.4
147.5°	184.4	197.3	209.1	218.4	226.0	231.2	236.0	240.5	244.0	246.6	251.4
150°	157.4	169.4	181.2	190.2	199.5	204.6	209.8	214.5	218.9	222.1	224.7
152.5°	130.6	141.4	152.1	161.5	169.9	177.0	182.4	187.5	192.0	196.2	199.2
155°	103.9	113.3	123.1	132.3	140.4	148.1	154.0	159.2	164.0	168.4	175.6
157.5°	77.8	86.5	96.3	106.0	115.3	124.4	133.3	140.6	147.8	154.8	161.7
160°	69.4	76.4	85.3	94.1	102.6	110.9	119.0	127.0	133.6	140.0	146.3
162.5°	60.9	67.0	74.2	81.9	89.5	97.0	104.2	111.4	118.4	124.5	130.1
165°	52.4	57.6	62.9	69.6	76.2	82.6	88.9	95.2	101.3	107.3	113.8
167.5°	43.8	48.2	52.5	57.2	62.7	68.1	73.4	78.6	83.7	88.7	93.6
170°	35.3	38.8	42.2	45.6	49.1	53.4	57.7	61.9	65.9	69.8	73.8
172.5°	26.7	29.4	31.9	34.5	36.9	39.3	41.8	44.9	48.0	50.9	53.8
175°	18.2	19.9	21.6	23.3	25.0	26.5	28.1	29.6	31.0	32.4	33.7
177.5°	9.6	10.5	11.3	12.2	13.0	13.8	14.5	15.3	16.0	16.7	17.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	18.0	18.6	19.2	19.7	20.2	20.6	21.1	21.4	21.8	22.1	22.4
5°	35.5	37.3	39.0	40.6	42.0	43.5	44.8	46.0	47.1	48.1	49.0
7.5°	56.5	59.1	61.6	64.0	66.3	68.6	70.7	72.8	74.6	76.4	77.9
10°	77.4	81.1	84.6	88.0	91.3	94.4	97.3	99.8	102.0	104.0	105.8
12.5°	98.4	102.9	107.2	110.9	114.4	117.7	120.8	123.7	126.5	129.4	132.3
15°	117.9	122.6	127.1	131.4	135.6	140.1	144.4	148.6	152.5	156.3	159.9
17.5°	135.6	141.6	146.5	151.9	157.2	162.4	167.4	172.2	176.9	181.5	185.9
20°	152.6	158.9	165.0	171.0	176.6	182.3	187.9	193.8	199.9	205.7	211.1
22.5°	168.5	175.1	181.2	187.3	193.7	201.8	209.6	217.1	223.8	229.2	233.7
25°	182.2	188.5	195.6	204.6	214.3	223.5	232.5	240.4	247.3	253.4	258.9
27.5°	201.7	205.8	213.3	224.5	236.6	248.0	259.4	267.7	276.1	283.2	289.6
30°	229.8	237.1	245.1	255.2	265.2	276.5	288.6	299.3	309.6	318.3	326.4
32.5°	258.7	267.4	278.1	289.0	300.8	312.2	324.2	336.0	346.9	355.7	363.4
35°	286.8	297.8	309.5	322.4	335.3	348.9	362.1	373.3	383.7	395.5	408.4
37.5°	314.8	326.8	340.6	354.8	369.7	383.8	396.6	409.8	425.3	441.7	456.2
40°	341.3	355.8	370.8	386.8	402.1	416.6	433.0	450.2	468.5	487.2	506.6
42.5°	368.4	383.7	400.5	417.1	433.2	451.6	470.4	491.8	514.6	537.9	562.8
45°	394.0	411.3	428.9	446.4	465.9	486.2	509.8	534.0	561.9	592.2	628.8
47.5°	419.6	437.5	456.4	476.4	497.9	522.9	549.2	578.9	613.7	652.7	702.2
50°	446.6	463.3	483.5	505.9	531.3	558.6	589.7	626.2	668.7	723.4	782.8
52.5°	512.7	515.6	522.7	535.5	564.9	595.1	631.1	674.1	732.4	797.7	872.1
55°	574.1	573.2	577.7	588.8	607.3	632.0	670.8	730.2	797.4	873.1	962.1
57.5°	630.3	625.4	627.0	636.5	654.8	683.9	728.2	786.6	860.4	951.5	1052.4
60°	681.7	671.7	671.3	680.7	701.1	734.0	789.8	855.0	934.0	1027.2	1146.8
62.5°	728.9	714.8	710.5	719.3	744.2	789.0	848.9	920.6	1014.0	1123.1	1250.4
65°	771.8	753.9	748.3	758.1	785.9	837.6	903.2	990.8	1095.7	1217.2	1362.9
67.5°	810.8	788.5	781.8	795.0	830.3	885.3	957.3	1054.5	1171.1	1311.2	1476.6
70°	847.9	820.2	811.5	828.4	869.3	928.1	1012.4	1119.2	1245.2	1394.9	1580.3
72.5°	868.9	847.2	843.1	861.9	904.2	968.2	1060.9	1175.4	1310.3	1472.9	1651.1
75°	884.8	869.5	872.5	896.9	942.6	1010.1	1108.1	1224.8	1362.4	1533.6	1707.3
77.5°	902.2	893.0	901.1	929.6	978.5	1053.6	1155.8	1275.1	1416.3	1580.3	1753.1
80°	920.9	917.7	928.7	960.2	1011.1	1091.9	1196.3	1315.1	1460.1	1621.5	1809.6
82.5°	940.7	943.0	955.7	988.8	1040.7	1125.2	1229.9	1345.4	1491.8	1651.0	1848.2
85°	961.5	968.9	981.9	1015.6	1067.5	1153.6	1257.2	1366.9	1512.2	1669.2	1869.4
87.5°	982.7	995.1	1007.8	1041.5	1092.8	1179.6	1281.0	1383.6	1526.4	1681.2	1881.1
90°	1004.7	1020.7	1032.7	1064.7	1113.7	1197.6	1294.6	1388.6	1523.5	1673.5	1864.4
92.5°	982.7	995.1	1007.8	1041.5	1092.8	1179.6	1281.0	1383.6	1526.4	1681.2	1881.1
95°	961.5	968.9	981.9	1015.6	1067.5	1153.6	1257.2	1366.9	1512.2	1669.2	1869.4
97.5°	940.7	943.0	955.7	988.8	1040.7	1125.2	1229.9	1345.4	1491.8	1651.0	1848.2
100°	920.9	917.7	928.7	960.2	1011.1	1091.9	1196.3	1315.1	1460.1	1621.5	1809.6
102.5°	902.2	893.0	901.1	929.6	978.5	1053.6	1155.8	1275.1	1416.3	1580.3	1753.1
105°	884.8	869.5	872.5	896.9	942.6	1010.1	1108.1	1224.8	1362.4	1533.6	1707.3
107.5°	868.9	847.2	843.1	861.9	904.2	968.2	1060.9	1175.4	1310.3	1472.9	1651.1
110°	847.9	820.2	811.5	828.4	869.3	928.1	1012.4	1119.2	1245.2	1394.9	1580.3



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-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°	810.8	788.5	781.8	795.0	830.3	885.3	957.3	1054.5	1171.1	1311.2	1476.6
115°	771.8	753.9	748.3	758.1	785.9	837.6	903.2	990.8	1095.7	1217.2	1362.9
117.5°	728.9	714.8	710.5	719.3	744.2	789.0	848.9	920.6	1014.0	1123.1	1250.4
120°	681.7	671.7	671.3	680.7	701.1	734.0	789.8	855.0	934.0	1027.2	1146.8
122.5°	630.3	625.4	627.0	636.5	654.8	683.9	728.2	786.6	860.4	951.5	1052.4
125°	574.1	573.2	577.7	588.8	607.3	632.0	670.8	730.2	797.4	873.1	962.1
127.5°	512.7	515.6	522.7	535.5	564.9	595.1	631.1	674.1	732.4	797.7	872.1
130°	446.6	463.3	483.5	505.9	531.3	558.6	589.7	626.2	668.7	723.4	782.8
132.5°	419.6	437.5	456.4	476.4	497.9	522.9	549.2	578.9	613.7	652.7	702.2
135°	394.0	411.3	428.9	446.4	465.9	486.2	509.8	534.0	561.9	592.2	628.8
137.5°	368.4	383.7	400.5	417.1	433.2	451.6	470.4	491.8	514.6	537.9	562.8
140°	341.3	355.8	370.8	386.8	402.1	416.6	433.0	450.2	468.5	487.2	506.6
142.5°	314.8	326.8	340.6	354.8	369.7	383.8	396.6	409.8	425.3	441.7	456.2
145°	286.8	297.8	309.5	322.4	335.3	348.9	362.1	373.3	383.7	395.5	408.4
147.5°	258.7	267.4	278.1	289.0	300.8	312.2	324.2	336.0	346.9	355.7	363.4
150°	229.8	237.1	245.1	255.2	265.2	276.5	288.6	299.3	309.6	318.3	326.4
152.5°	201.7	205.8	213.3	224.5	236.6	248.0	259.4	267.7	276.1	283.2	289.6
155°	182.2	188.5	195.6	204.6	214.3	223.5	232.5	240.4	247.3	253.4	258.9
157.5°	168.5	175.1	181.2	187.3	193.7	201.8	209.6	217.1	223.8	229.2	233.7
160°	152.6	158.9	165.0	171.0	176.6	182.3	187.9	193.8	199.9	205.7	211.1
162.5°	135.6	141.6	146.5	151.9	157.2	162.4	167.4	172.2	176.9	181.5	185.9
165°	117.9	122.6	127.1	131.4	135.6	140.1	144.4	148.6	152.5	156.3	159.9
167.5°	98.4	102.9	107.2	110.9	114.4	117.7	120.8	123.7	126.5	129.4	132.3
170°	77.4	81.1	84.6	88.0	91.3	94.4	97.3	99.8	102.0	104.0	105.8
172.5°	56.5	59.1	61.6	64.0	66.3	68.6	70.7	72.8	74.6	76.4	77.9
175°	35.5	37.3	39.0	40.6	42.0	43.5	44.8	46.0	47.1	48.1	49.0
177.5°	18.0	18.6	19.2	19.7	20.2	20.6	21.1	21.4	21.8	22.1	22.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	22.6	22.8	22.9	23.0	23.1	23.1	23.8	23.5	23.2	22.9	22.6
5°	49.8	50.5	51.1	51.6	52.0	52.3	52.4	52.5	53.3	52.7	52.1
7.5°	79.4	80.6	81.7	82.6	83.4	84.0	84.4	84.6	84.6	85.3	84.5
10°	107.5	109.0	110.2	111.4	112.3	113.0	113.5	113.8	113.8	114.7	113.8
12.5°	134.9	137.3	139.6	141.5	143.3	144.7	146.0	146.9	147.5	147.9	148.6
15°	163.3	166.6	169.6	172.4	174.9	177.2	179.2	180.9	182.2	183.2	184.7
17.5°	190.2	194.2	197.7	200.9	203.8	206.2	208.2	209.8	211.0	211.8	213.0
20°	216.1	220.0	222.4	224.1	225.3	225.9	226.1	225.7	224.9	223.8	222.7
22.5°	237.4	240.1	242.6	244.6	245.8	246.2	246.0	245.0	243.5	241.5	239.6
25°	263.5	266.9	269.3	271.6	272.8	273.1	272.5	270.9	268.6	265.6	261.9
27.5°	295.2	299.5	302.4	304.7	306.5	307.4	307.3	306.3	304.4	301.5	297.8
30°	331.6	336.6	340.5	343.6	349.7	354.9	358.9	361.7	363.2	363.4	362.1
32.5°	371.3	381.5	390.9	399.5	408.7	418.1	426.3	433.2	438.7	442.4	444.4
35°	420.8	434.5	448.5	462.0	475.5	490.4	504.0	515.9	526.0	534.0	539.6
37.5°	472.9	490.4	511.2	531.3	550.5	572.5	593.2	611.4	627.0	639.7	649.2
40°	528.6	552.1	581.3	611.2	639.4	669.2	700.1	728.0	752.5	773.1	789.5
42.5°	594.0	626.7	663.2	705.6	746.2	786.2	829.1	866.9	899.3	926.0	946.8
45°	667.8	714.6	759.3	817.5	874.4	932.5	977.0	1022.6	1062.6	1096.4	1123.5
47.5°	754.3	816.2	881.6	947.5	1013.1	1074.6	1138.9	1201.9	1257.2	1304.2	1342.0
50°	853.9	927.2	1004.4	1079.8	1168.7	1252.8	1336.2	1423.7	1500.3	1565.2	1617.2
52.5°	954.5	1039.6	1138.0	1238.6	1354.0	1472.1	1579.5	1679.4	1769.9	1849.3	1915.8
55°	1056.3	1166.9	1286.8	1425.0	1562.4	1695.9	1818.5	1913.9	1997.0	2072.3	2138.0
57.5°	1168.8	1305.0	1454.0	1610.4	1770.5	1881.1	1984.6	2080.4	2165.8	2244.8	2315.6
60°	1288.9	1446.7	1618.9	1778.7	1916.2	2027.2	2120.4	2212.7	2299.8	2378.7	2448.7
62.5°	1405.2	1589.5	1766.0	1926.1	2040.8	2145.9	2235.7	2322.3	2411.7	2492.8	2564.2
65°	1537.1	1720.4	1900.1	2028.1	2139.0	2239.4	2336.4	2427.6	2515.0	2593.7	2657.9
67.5°	1658.6	1847.7	1989.3	2107.2	2216.1	2325.0	2428.1	2525.3	2613.7	2686.1	2746.1
70°	1759.2	1930.4	2065.2	2172.7	2286.9	2399.7	2507.9	2605.9	2697.8	2776.5	2830.8
72.5°	1835.7	2007.6	2125.8	2238.1	2349.8	2460.7	2570.8	2672.9	2777.4	2864.0	2909.9
75°	1905.4	2056.1	2174.5	2288.9	2404.4	2516.1	2615.6	2723.0	2826.5	2919.9	2974.8
77.5°	1963.8	2098.2	2208.7	2327.1	2448.2	2558.6	2658.9	2758.7	2878.3	2968.4	3024.9
80°	1994.9	2122.8	2231.6	2354.5	2480.7	2592.8	2695.9	2812.2	2928.8	3012.5	3051.6
82.5°	2021.3	2143.9	2258.4	2381.0	2498.8	2608.7	2720.0	2838.9	2959.0	3033.7	3068.9
85°	2040.3	2155.9	2275.4	2399.3	2515.1	2625.0	2732.7	2847.3	2971.1	3049.5	3088.4
87.5°	2056.3	2158.7	2281.6	2403.1	2518.9	2628.2	2745.7	2863.4	2989.3	3058.4	3090.4
90°	2047.4	2152.3	2276.3	2393.3	2509.2	2616.2	2743.2	2854.1	2985.1	3056.1	3074.1
92.5°	2056.3	2158.7	2281.6	2403.1	2518.9	2628.2	2745.7	2863.4	2989.3	3058.4	3090.4
95°	2040.3	2155.9	2275.4	2399.3	2515.1	2625.0	2732.7	2847.3	2971.1	3049.5	3088.4
97.5°	2021.3	2143.9	2258.4	2381.0	2498.8	2608.7	2720.0	2838.9	2959.0	3033.7	3068.9
100°	1994.9	2122.8	2231.6	2354.5	2480.7	2592.8	2695.9	2812.2	2928.8	3012.5	3051.6
102.5°	1963.8	2098.2	2208.7	2327.1	2448.2	2558.6	2658.9	2758.7	2878.3	2968.4	3024.9
105°	1905.4	2056.1	2174.5	2288.9	2404.4	2516.1	2615.6	2723.0	2826.5	2919.9	2974.8
107.5°	1835.7	2007.6	2125.8	2238.1	2349.8	2460.7	2570.8	2672.9	2777.4	2864.0	2909.9
110°	1759.2	1930.4	2065.2	2172.7	2286.9	2399.7	2507.9	2605.9	2697.8	2776.5	2830.8



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1658.6	1847.7	1989.3	2107.2	2216.1	2325.0	2428.1	2525.3	2613.7	2686.1	2746.1
115°	1537.1	1720.4	1900.1	2028.1	2139.0	2239.4	2336.4	2427.6	2515.0	2593.7	2657.9
117.5°	1405.2	1589.5	1766.0	1926.1	2040.8	2145.9	2235.7	2322.3	2411.7	2492.8	2564.2
120°	1288.9	1446.7	1618.9	1778.7	1916.2	2027.2	2120.4	2212.7	2299.8	2378.7	2448.7
122.5°	1168.7	1305.0	1454.0	1610.4	1770.5	1881.1	1984.6	2080.4	2165.8	2244.8	2315.6
125°	1056.3	1166.9	1286.8	1425.0	1562.4	1695.9	1818.5	1913.9	1997.0	2072.3	2138.0
127.5°	954.5	1039.6	1138.0	1238.6	1354.0	1472.1	1579.5	1679.4	1769.9	1849.3	1915.8
130°	853.9	927.2	1004.4	1079.8	1168.7	1252.8	1336.2	1423.7	1500.3	1565.2	1617.2
132.5°	754.3	816.2	881.6	947.5	1013.1	1074.6	1138.9	1201.9	1257.2	1304.2	1342.0
135°	667.8	714.6	759.3	817.5	874.4	932.5	977.0	1022.6	1062.6	1096.4	1123.5
137.5°	594.0	626.7	663.2	705.6	746.2	786.2	829.1	866.9	899.3	926.0	946.8
140°	528.6	552.1	581.3	611.2	639.4	669.2	700.1	728.0	752.5	773.1	789.5
142.5°	472.9	490.4	511.2	531.3	550.5	572.5	593.2	611.4	627.0	639.7	649.2
145°	420.8	434.5	448.5	462.0	475.5	490.4	504.0	515.9	526.0	534.0	539.6
147.5°	371.3	381.5	390.9	399.5	408.7	418.1	426.3	433.2	438.7	442.4	444.4
150°	331.6	336.6	340.6	343.6	349.7	354.9	358.9	361.7	363.2	363.4	362.1
152.5°	295.2	299.5	302.4	304.7	306.5	307.4	307.3	306.3	304.4	301.5	297.8
155°	263.5	266.9	269.3	271.6	272.8	273.1	272.5	270.9	268.6	265.6	261.9
157.5°	237.4	240.1	242.6	244.6	245.8	246.2	246.0	245.0	243.5	241.5	239.6
160°	216.1	220.0	222.4	224.1	225.3	225.9	226.1	225.7	224.9	223.8	222.7
162.5°	190.2	194.2	197.7	200.9	203.8	206.2	208.2	209.8	211.0	211.8	213.0
165°	163.3	166.6	169.6	172.4	174.9	177.2	179.2	180.9	182.2	183.2	184.7
167.5°	134.9	137.3	139.6	141.5	143.3	144.7	146.0	146.9	147.5	147.9	148.6
170°	107.5	109.0	110.2	111.4	112.3	113.0	113.5	113.8	113.8	114.7	113.8
172.5°	79.4	80.6	81.7	82.6	83.4	84.0	84.4	84.6	84.6	85.3	84.5
175°	49.8	50.5	51.1	51.6	52.0	52.3	52.4	52.5	53.3	52.7	52.1
177.5°	22.6	22.8	22.9	23.0	23.1	23.1	23.8	23.5	23.2	22.9	22.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1.0	1.0
2.5°	22.3	22.0
5°	51.6	51.0
7.5°	83.8	83.0
10°	112.9	112.0
12.5°	147.8	147.0
15°	184.3	183.9
17.5°	212.5	211.9
20°	220.8	218.9
22.5°	236.3	232.9
25°	257.9	252.9
27.5°	293.7	287.9
30°	360.2	354.9
32.5°	445.4	441.9
35°	544.1	542.8
37.5°	657.2	657.8
40°	803.9	807.8
42.5°	964.6	969.7
45°	1147.4	1155.6
47.5°	1375.5	1387.6
50°	1663.1	1679.5
52.5°	1976.4	2002.4
55°	2199.6	2234.3
57.5°	2383.1	2426.3
60°	2514.5	2560.2
62.5°	2625.7	2677.2
65°	2709.6	2751.2
67.5°	2794.3	2832.1
70°	2868.7	2894.1
72.5°	2942.1	2962.1
75°	3001.4	3017.1
77.5°	3038.8	3040.1
80°	3066.3	3070.1
82.5°	3085.5	3096.0
85°	3106.8	3097.0
87.5°	3113.7	3110.0
90°	3109.0	3103.0
92.5°	3113.7	3110.0
95°	3106.8	3097.0
97.5°	3085.5	3096.0
100°	3066.3	3070.1
102.5°	3038.8	3040.1
105°	3001.4	3017.1
107.5°	2942.1	2962.1
110°	2868.7	2894.1





TEST NUMBER: P232083

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2794.3	2832.1
115°	2709.6	2751.2
117.5°	2625.7	2677.2
120°	2514.5	2560.2
122.5°	2383.1	2426.3
125°	2199.6	2234.3
127.5°	1976.4	2002.4
130°	1663.1	1679.5
132.5°	1375.5	1387.6
135°	1147.4	1155.6
137.5°	964.6	969.7
140°	803.9	807.8
142.5°	657.2	657.8
145°	544.1	542.8
147.5°	445.4	441.9
150°	360.2	354.9
152.5°	293.7	287.9
155°	257.9	252.9
157.5°	236.3	232.9
160°	220.8	218.9
162.5°	212.5	211.9
165°	184.3	183.9
167.5°	147.8	147.0
170°	112.9	112.0
172.5°	83.8	83.0
175°	51.6	51.0
177.5°	22.3	22.0
180°	1.0	1.0

(END OF REPORT)