

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: P232086

Luminaire Tested: **FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232086
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-LD4-40-2HI-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

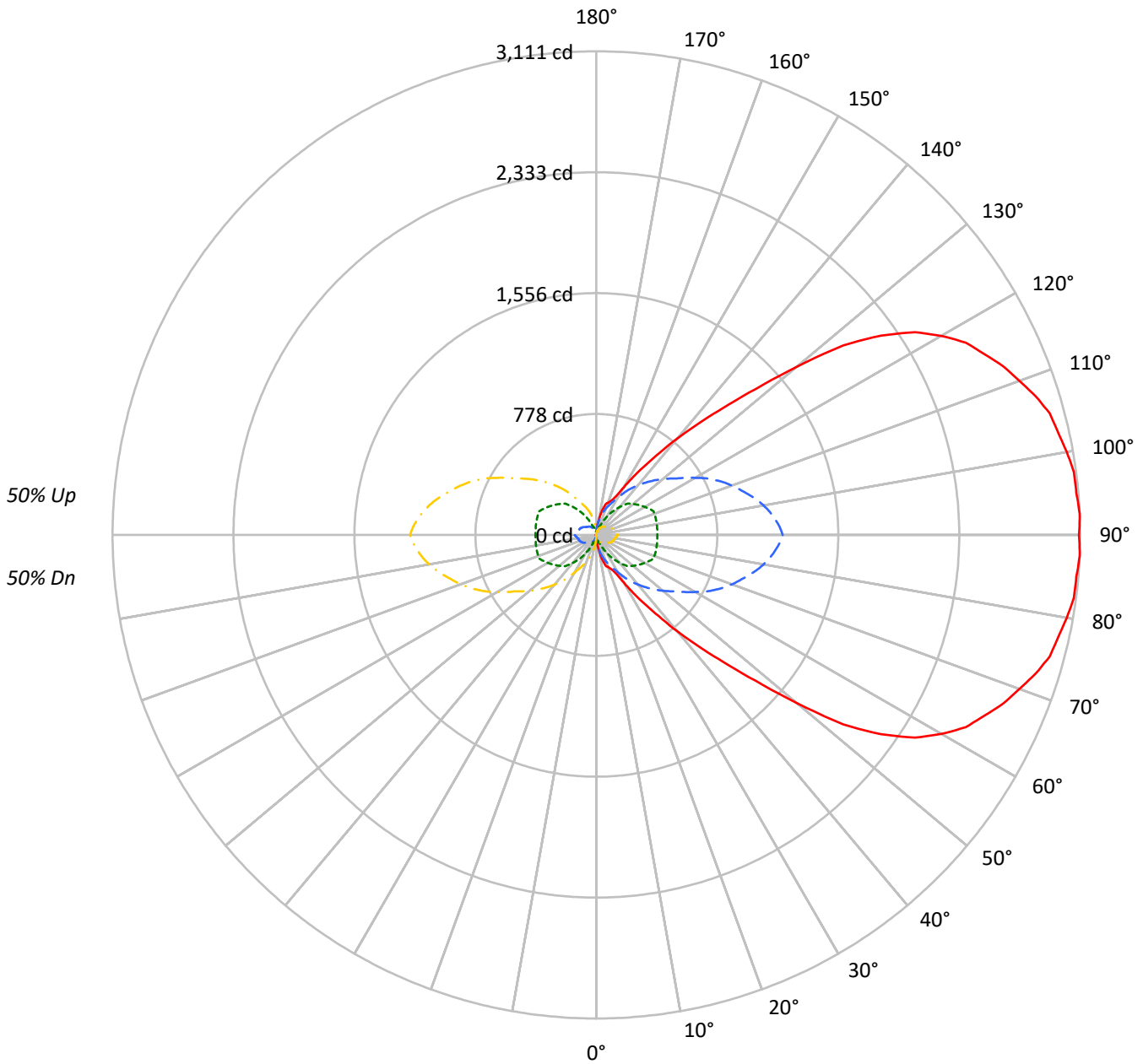
Lumens per Lamp: N/A
Luminaire Lumens: 6995.9 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 29.07 / 18.32 / 19.49
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 71.7
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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CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

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°	2592	826	0	826
20°	2855	1113	0	1113
25°	3092	1793	0	1793
30°	4112	2911	0	2911
35°	6021	4142	0	4142
40°	8656	5533	0	5533
45°	12067	7140	10	7140
50°	17226	8399	10	8399
55°	22689	9961	10	9961
60°	25937	11953	10	11953
65°	28019	14592	10	14592
70°	29861	17660	21	17660
75°	31787	21496	21	21496
80°	33302	27786	0	27786
85°	34893	39854	0	39854



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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°	274.4	3.9
50°-60°	489.0	7.0
60°-70°	710.0	10.1
70°-80°	861.7	12.3
80°-90°	936.4	13.4
90°-100°	936.4	13.4
100°-110°	861.7	12.3
110°-120°	710.0	10.1
120°-130°	489.0	7.0
130°-140°	274.4	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°	226.6	3.2
0°-60°	989.9	14.2
0°-90°	3498.0	50.0
90°-120°	2508.0	35.8
90°-150°	3411.3	48.8
90°-180°	3498.0	50.0
0°-180°	6995.9	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°	2235	335	1	335	2235	1978
65°	2752	385	1	385	2752	2729
75°	3018	396	2	396	3018	3176
85°	3098	393	0	393	3098	2529
90°	3104	391	0	391	3104	1703
95°	3098	393	0	393	3098	2529
105°	3018	396	2	396	3018	3176
115°	2752	385	1	385	2752	2729
125°	2235	335	1	335	2235	1978
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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

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	144.8	143.3	141.5	139.6
15°	184.0	184.4	184.8	183.3	182.3	180.9	179.3	177.3	175.0	172.4	169.6
17.5°	212.0	212.6	213.1	211.9	211.1	209.9	208.3	206.3	203.9	201.0	197.8
20°	219.0	220.9	222.8	223.9	225.0	225.8	226.2	226.0	225.4	224.2	222.5
22.5°	233.0	236.4	239.7	241.6	243.6	245.1	246.1	246.3	245.9	244.7	242.7
25°	253.0	258.0	262.0	265.7	268.7	271.0	272.6	273.2	272.9	271.7	269.4
27.5°	288.0	293.8	297.9	301.6	304.5	306.4	307.4	307.5	306.6	304.8	302.5
30°	355.0	360.3	362.2	363.5	363.3	361.8	359.0	355.0	349.8	343.7	340.7
32.5°	442.0	445.5	444.5	442.6	438.8	433.3	426.4	418.2	408.8	399.6	391.0
35°	543.0	544.3	539.8	534.2	526.2	516.1	504.2	490.6	475.7	462.2	448.7
37.5°	658.0	657.4	649.4	639.9	627.2	611.6	593.4	572.7	550.7	531.4	511.4
40°	808.0	804.1	789.7	773.3	752.7	728.2	700.3	669.4	639.6	611.4	581.5
42.5°	970.0	964.9	947.1	926.3	899.6	867.2	829.4	786.4	746.4	705.8	663.4
45°	1156.0	1147.8	1123.9	1096.8	1063.0	1022.9	977.3	932.8	874.7	817.7	759.5
47.5°	1388.0	1375.9	1342.4	1304.6	1257.6	1202.2	1139.2	1075.0	1013.4	947.8	881.9
50°	1680.0	1663.6	1617.7	1565.6	1500.8	1424.1	1336.6	1253.2	1169.1	1080.1	1004.7
52.5°	2003.0	1977.0	1916.4	1849.9	1770.5	1679.9	1580.0	1472.5	1354.4	1239.0	1138.3
55°	2235.0	2200.3	2138.7	2072.9	1997.6	1914.5	1819.1	1696.4	1562.9	1425.5	1287.2
57.5°	2426.9	2383.7	2316.3	2245.4	2166.4	2081.0	1985.2	1881.7	1771.1	1610.9	1454.5
60°	2560.9	2515.2	2449.4	2379.3	2300.4	2213.4	2121.1	2027.8	1916.8	1779.2	1619.4
62.5°	2677.9	2626.4	2564.9	2493.5	2412.3	2322.9	2236.4	2146.5	2041.4	1926.7	1766.6
65°	2751.9	2710.3	2658.6	2594.4	2515.7	2428.3	2337.1	2240.1	2139.6	2028.7	1900.7
67.5°	2832.9	2795.0	2746.8	2686.9	2614.4	2526.0	2428.8	2325.7	2216.7	2107.8	1989.9
70°	2894.9	2869.5	2831.6	2777.2	2698.5	2606.6	2508.6	2400.3	2287.5	2173.4	2065.8
72.5°	2962.9	2942.9	2910.7	2864.8	2778.1	2673.6	2571.5	2461.4	2350.4	2238.8	2126.5
75°	3017.9	3002.2	2975.6	2920.7	2827.3	2723.7	2616.3	2516.8	2405.0	2289.5	2175.2
77.5°	3040.9	3039.6	3025.7	2969.2	2879.1	2759.4	2659.6	2559.3	2448.9	2327.7	2209.4
80°	3070.9	3067.1	3052.4	3013.3	2929.6	2812.9	2696.6	2593.5	2481.4	2355.1	2232.3
82.5°	3096.9	3086.4	3069.7	3034.5	2959.8	2839.7	2720.8	2609.4	2499.5	2381.6	2259.0
85°	3097.9	3107.7	3089.3	3050.3	2971.9	2848.1	2733.4	2625.7	2515.8	2399.9	2276.0
87.5°	3110.9	3114.6	3091.3	3059.2	2990.1	2864.2	2746.4	2628.9	2519.6	2403.7	2282.2
90°	3103.9	3109.9	3074.9	3056.9	2985.9	2854.9	2743.9	2616.9	2509.9	2393.9	2276.9
92.5°	3110.9	3114.6	3091.3	3059.2	2990.1	2864.2	2746.4	2628.9	2519.6	2403.7	2282.2
95°	3097.9	3107.7	3089.3	3050.3	2971.9	2848.1	2733.4	2625.7	2515.8	2399.9	2276.0
97.5°	3096.9	3086.4	3069.7	3034.5	2959.8	2839.7	2720.8	2609.4	2499.5	2381.6	2259.0
100°	3070.9	3067.1	3052.4	3013.3	2929.6	2812.9	2696.6	2593.5	2481.4	2355.1	2232.3
102.5°	3040.9	3039.6	3025.7	2969.2	2879.1	2759.4	2659.6	2559.3	2448.9	2327.7	2209.4
105°	3017.9	3002.2	2975.6	2920.7	2827.3	2723.7	2616.3	2516.8	2405.0	2289.5	2175.2
107.5°	2962.9	2942.9	2910.7	2864.8	2778.1	2673.6	2571.5	2461.4	2350.4	2238.8	2126.5
110°	2894.9	2869.5	2831.6	2777.2	2698.5	2606.6	2508.6	2400.3	2287.5	2173.4	2065.8



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CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2832.9	2795.0	2746.8	2686.9	2614.4	2526.0	2428.8	2325.7	2216.7	2107.8	1989.9
115°	2751.9	2710.3	2658.6	2594.4	2515.7	2428.3	2337.1	2240.1	2139.6	2028.7	1900.7
117.5°	2677.9	2626.4	2564.9	2493.5	2412.3	2322.9	2236.4	2146.5	2041.4	1926.7	1766.6
120°	2560.9	2515.2	2449.4	2379.3	2300.4	2213.4	2121.1	2027.8	1916.8	1779.2	1619.4
122.5°	2426.9	2383.7	2316.3	2245.4	2166.4	2081.0	1985.2	1881.7	1771.1	1610.9	1454.5
125°	2235.0	2200.3	2138.7	2072.9	1997.6	1914.5	1819.1	1696.4	1562.9	1425.5	1287.2
127.5°	2003.0	1977.0	1916.4	1849.9	1770.5	1679.9	1580.0	1472.5	1354.4	1239.0	1138.3
130°	1680.0	1663.6	1617.7	1565.6	1500.8	1424.1	1336.6	1253.2	1169.1	1080.1	1004.7
132.5°	1388.0	1375.9	1342.4	1304.6	1257.6	1202.2	1139.2	1075.0	1013.4	947.8	881.9
135°	1156.0	1147.8	1123.9	1096.8	1063.0	1022.9	977.3	932.8	874.7	817.7	759.5
137.5°	970.0	964.9	947.1	926.3	899.6	867.2	829.4	786.4	746.4	705.8	663.4
140°	808.0	804.1	789.7	773.3	752.7	728.2	700.3	669.4	639.6	611.4	581.5
142.5°	658.0	657.4	649.4	639.9	627.2	611.6	593.4	572.7	550.7	531.4	511.4
145°	543.0	544.3	539.8	534.2	526.2	516.1	504.2	490.6	475.7	462.2	448.7
147.5°	442.0	445.5	444.5	442.6	438.8	433.3	426.4	418.2	408.8	399.6	391.0
150°	355.0	360.3	362.2	363.5	363.3	361.8	359.0	355.0	349.8	343.7	340.7
152.5°	288.0	293.8	297.9	301.6	304.5	306.4	307.4	307.5	306.6	304.8	302.5
155°	253.0	258.0	262.0	265.7	268.7	271.0	272.6	273.2	272.9	271.7	269.4
157.5°	233.0	236.4	239.7	241.6	243.6	245.1	246.1	246.3	245.9	244.7	242.7
160°	219.0	220.9	222.8	223.9	225.0	225.8	226.2	226.0	225.4	224.2	222.5
162.5°	212.0	212.6	213.1	211.9	211.1	209.9	208.3	206.3	203.9	201.0	197.8
165°	184.0	184.4	184.8	183.3	182.3	180.9	179.3	177.3	175.0	172.4	169.6
167.5°	147.0	147.8	148.6	147.9	147.5	146.9	146.0	144.8	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



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

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°	137.4	134.9	132.3	129.4	126.5	123.7	120.8	117.7	114.4	110.9	107.2
15°	166.6	163.4	160.0	156.4	152.6	148.6	144.4	140.1	135.6	131.4	127.1
17.5°	194.3	190.3	186.0	181.5	176.9	172.2	167.4	162.4	157.2	151.9	146.5
20°	220.1	216.2	211.2	205.8	200.0	193.9	188.0	182.4	176.7	171.1	165.1
22.5°	240.2	237.5	233.8	229.3	223.9	217.2	209.7	201.9	193.8	187.4	181.3
25°	267.0	263.6	259.0	253.5	247.4	240.5	232.6	223.6	214.4	204.7	195.7
27.5°	299.6	295.3	289.7	283.3	276.2	267.8	259.5	248.1	236.7	224.6	213.4
30°	336.7	331.7	326.5	318.4	309.7	299.4	288.7	276.6	265.3	255.3	245.2
32.5°	381.6	371.4	363.5	355.8	347.0	336.1	324.3	312.3	300.9	289.1	278.2
35°	434.6	420.9	408.5	395.6	383.8	373.4	362.2	349.0	335.4	322.5	309.6
37.5°	490.6	473.0	456.3	441.9	425.4	410.0	396.7	383.9	369.8	354.9	340.7
40°	552.3	528.8	506.8	487.4	468.6	450.3	433.1	416.7	402.2	386.9	370.9
42.5°	626.9	594.2	563.0	538.1	514.8	491.9	470.6	451.7	433.3	417.2	400.6
45°	714.8	668.0	629.0	592.4	562.1	534.2	510.0	486.4	466.0	446.5	429.0
47.5°	816.4	754.5	702.4	652.9	613.9	579.1	549.4	523.1	498.0	476.5	456.5
50°	927.5	854.2	783.1	723.6	668.9	626.4	589.9	558.8	531.5	506.0	483.6
52.5°	1039.9	954.8	872.3	797.9	732.6	674.3	631.3	595.3	565.1	535.7	522.8
55°	1167.2	1056.6	962.4	873.4	797.6	730.4	671.0	632.2	607.5	589.0	577.9
57.5°	1305.4	1169.1	1052.7	951.8	860.7	786.8	728.4	684.1	655.0	636.7	627.3
60°	1447.1	1289.3	1147.2	1027.5	934.3	855.3	790.0	734.3	701.3	680.9	671.5
62.5°	1589.9	1405.6	1250.8	1123.5	1014.3	920.9	849.2	789.3	744.4	719.5	710.8
65°	1720.9	1537.6	1363.3	1217.6	1096.1	991.1	903.5	837.9	786.2	758.4	748.6
67.5°	1848.3	1659.1	1477.0	1311.6	1171.5	1054.8	957.6	885.5	830.6	795.3	782.1
70°	1931.0	1759.7	1580.8	1395.3	1245.6	1119.6	1012.7	928.4	869.6	828.7	811.8
72.5°	2008.2	1836.2	1651.6	1473.4	1310.7	1175.8	1061.2	968.5	904.5	862.2	843.4
75°	2056.7	1906.0	1707.8	1534.1	1362.8	1225.2	1108.4	1010.4	942.9	897.2	872.8
77.5°	2098.8	1964.4	1753.6	1580.8	1416.7	1275.5	1156.1	1053.9	978.8	929.9	901.4
80°	2123.4	1995.5	1810.1	1622.0	1460.5	1315.5	1196.7	1092.2	1011.4	960.5	929.0
82.5°	2144.6	2021.9	1848.7	1651.5	1492.2	1345.8	1230.3	1125.5	1041.0	989.1	956.0
85°	2156.6	2040.9	1870.0	1669.7	1512.7	1367.3	1257.6	1154.0	1067.8	1015.9	982.2
87.5°	2159.4	2056.9	1881.7	1681.7	1526.9	1384.0	1281.4	1179.9	1093.1	1041.8	1008.1
90°	2153.0	2048.0	1865.0	1674.0	1524.0	1389.0	1295.0	1198.0	1114.0	1065.0	1033.0
92.5°	2159.4	2056.9	1881.7	1681.7	1526.9	1384.0	1281.4	1179.9	1093.1	1041.8	1008.1
95°	2156.6	2040.9	1870.0	1669.7	1512.7	1367.3	1257.6	1154.0	1067.8	1015.9	982.2
97.5°	2144.6	2021.9	1848.7	1651.5	1492.2	1345.8	1230.3	1125.5	1041.0	989.1	956.0
100°	2123.4	1995.5	1810.1	1622.0	1460.5	1315.5	1196.7	1092.2	1011.4	960.5	929.0
102.5°	2098.8	1964.4	1753.6	1580.8	1416.7	1275.5	1156.1	1053.9	978.8	929.9	901.4
105°	2056.7	1906.0	1707.8	1534.1	1362.8	1225.2	1108.4	1010.4	942.9	897.2	872.8
107.5°	2008.2	1836.2	1651.6	1473.4	1310.7	1175.8	1061.2	968.5	904.5	862.2	843.4
110°	1931.0	1759.7	1580.8	1395.3	1245.6	1119.6	1012.7	928.4	869.6	828.7	811.8



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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°	1848.3	1659.1	1477.0	1311.6	1171.5	1054.8	957.6	885.5	830.6	795.3	782.1
115°	1720.9	1537.6	1363.3	1217.6	1096.1	991.1	903.5	837.9	786.2	758.4	748.6
117.5°	1589.9	1405.6	1250.8	1123.5	1014.3	920.9	849.2	789.3	744.4	719.5	710.8
120°	1447.1	1289.3	1147.2	1027.5	934.3	855.3	790.0	734.3	701.3	680.9	671.5
122.5°	1305.4	1169.1	1052.7	951.8	860.7	786.8	728.4	684.1	655.0	636.7	627.3
125°	1167.2	1056.6	962.4	873.4	797.6	730.4	671.0	632.2	607.5	589.0	577.9
127.5°	1039.9	954.8	872.3	797.9	732.6	674.3	631.3	595.3	565.1	535.7	522.8
130°	927.5	854.2	783.1	723.6	668.9	626.4	589.9	558.8	531.5	506.0	483.6
132.5°	816.4	754.5	702.4	652.9	613.9	579.1	549.4	523.1	498.0	476.5	456.5
135°	714.8	668.0	629.0	592.4	562.1	534.2	510.0	486.4	466.0	446.5	429.0
137.5°	626.9	594.2	563.0	538.1	514.8	491.9	470.6	451.7	433.3	417.2	400.6
140°	552.3	528.8	506.8	487.4	468.6	450.3	433.1	416.7	402.2	386.9	370.9
142.5°	490.6	473.0	456.3	441.9	425.4	410.0	396.7	383.9	369.8	354.9	340.7
145°	434.6	420.9	408.5	395.6	383.8	373.4	362.2	349.0	335.4	322.5	309.6
147.5°	381.6	371.4	363.5	355.8	347.0	336.1	324.3	312.3	300.9	289.1	278.2
150°	336.7	331.7	326.5	318.4	309.7	299.4	288.7	276.6	265.3	255.3	245.2
152.5°	299.6	295.3	289.7	283.3	276.2	267.8	259.5	248.1	236.7	224.6	213.4
155°	267.0	263.6	259.0	253.5	247.4	240.5	232.6	223.6	214.4	204.7	195.7
157.5°	240.2	237.5	233.8	229.3	223.9	217.2	209.7	201.9	193.8	187.4	181.3
160°	220.1	216.2	211.2	205.8	200.0	193.9	188.0	182.4	176.7	171.1	165.1
162.5°	194.3	190.3	186.0	181.5	176.9	172.2	167.4	162.4	157.2	151.9	146.5
165°	166.6	163.4	160.0	156.4	152.6	148.6	144.4	140.1	135.6	131.4	127.1
167.5°	137.4	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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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°	175.2	168.5	161.7	154.8	147.8	140.6	133.3	124.4	115.3	106.0	96.3
25°	188.6	182.2	175.7	168.5	164.0	159.2	154.0	148.1	140.4	132.3	123.1
27.5°	205.9	201.8	199.3	196.3	192.1	187.5	182.4	177.0	169.9	161.5	152.1
30°	237.2	229.9	224.8	222.2	219.0	214.5	209.8	204.6	199.5	190.2	181.2
32.5°	267.5	258.8	251.5	246.7	244.1	240.5	236.1	231.2	226.1	218.5	209.1
35°	297.9	286.9	278.5	271.5	267.9	265.4	261.4	257.4	252.3	246.2	236.8
37.5°	326.9	314.9	304.0	296.8	291.1	288.6	285.8	281.9	277.7	273.3	264.1
40°	355.9	341.4	330.1	320.2	314.6	311.0	309.3	306.0	302.4	298.8	291.1
42.5°	383.8	368.5	354.3	344.0	337.1	332.7	331.5	329.4	326.4	323.6	317.7
45°	411.4	394.1	378.9	366.9	357.9	354.6	353.0	352.1	349.9	347.8	343.9
47.5°	437.6	419.7	403.0	388.7	379.4	378.9	382.6	384.2	381.6	377.0	370.7
50°	463.4	446.7	443.6	444.3	444.8	442.3	437.2	431.0	421.6	410.1	398.4
52.5°	515.7	512.9	513.5	517.1	520.3	511.7	497.6	481.8	464.6	445.1	427.2
55°	573.4	574.3	578.6	585.8	596.3	584.9	562.8	536.3	510.2	482.6	457.4
57.5°	625.6	630.4	639.5	651.2	666.4	661.0	632.5	594.0	558.4	522.2	488.9
60°	672.0	681.9	696.2	713.3	733.4	739.9	706.3	655.3	609.3	563.7	521.6
62.5°	715.1	729.1	749.1	772.1	797.5	821.0	782.1	720.6	662.4	606.7	555.3
65°	754.1	772.1	798.3	828.0	859.2	893.7	857.7	788.6	717.4	651.0	589.8
67.5°	788.8	811.1	844.4	881.2	919.2	959.9	934.8	858.7	773.9	696.3	625.1
70°	820.5	848.2	888.0	929.7	966.5	1000.0	977.0	892.8	797.2	711.6	633.5
72.5°	847.5	869.2	904.7	945.5	979.3	1002.4	984.0	902.6	806.4	719.1	637.6
75°	869.8	885.1	918.4	961.8	995.3	1008.6	990.0	910.5	814.5	726.1	641.2
77.5°	893.3	902.5	932.3	978.7	1013.9	1018.1	995.0	916.6	821.5	732.3	644.2
80°	918.0	921.2	946.7	996.2	1034.6	1030.1	998.9	920.9	827.4	737.9	646.6
82.5°	943.3	941.0	961.7	1014.5	1056.9	1043.8	1001.7	923.6	832.2	742.7	651.0
85°	969.2	961.8	977.6	1033.6	1080.1	1060.3	1005.8	927.2	837.9	748.6	651.0
87.5°	995.4	983.0	993.9	1053.2	1104.0	1073.7	1004.4	925.1	839.0	750.3	651.0
90°	1021.0	1005.0	1013.0	1075.0	1127.0	1087.0	1003.0	923.0	840.0	752.0	651.0
92.5°	995.4	983.0	993.9	1053.2	1104.0	1073.7	1004.4	925.1	839.0	750.3	651.0
95°	969.2	961.8	977.6	1033.6	1080.1	1060.3	1005.8	927.2	837.9	748.6	651.0
97.5°	943.3	941.0	961.7	1014.5	1056.9	1043.8	1001.7	923.6	832.2	742.7	651.0
100°	918.0	921.2	946.7	996.2	1034.6	1030.1	998.9	920.9	827.4	737.9	646.6
102.5°	893.3	902.5	932.3	978.7	1013.9	1018.1	995.0	916.6	821.5	732.3	644.2
105°	869.8	885.1	918.4	961.8	995.3	1008.6	990.0	910.5	814.5	726.1	641.2
107.5°	847.5	869.2	904.7	945.5	979.3	1002.4	984.0	902.6	806.4	719.1	637.6
110°	820.5	848.2	888.0	929.7	966.5	1000.0	977.0	892.8	797.2	711.6	633.5



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	788.8	811.1	844.4	881.2	919.2	959.9	934.8	858.7	773.9	696.3	625.1
115°	754.1	772.1	798.3	828.0	859.2	893.7	857.7	788.6	717.4	651.0	589.8
117.5°	715.1	729.1	749.1	772.1	797.5	821.0	782.1	720.6	662.4	606.7	555.3
120°	672.0	681.9	696.2	713.3	733.4	739.9	706.3	655.3	609.3	563.7	521.6
122.5°	625.6	630.4	639.5	651.2	666.4	661.0	632.5	594.0	558.4	522.2	488.9
125°	573.4	574.3	578.6	585.8	596.3	584.9	562.8	536.3	510.2	482.6	457.4
127.5°	515.7	512.9	513.5	517.1	520.3	511.7	497.6	481.8	464.6	445.1	427.2
130°	463.4	446.7	443.6	444.3	444.8	442.3	437.2	431.0	421.6	410.1	398.4
132.5°	437.6	419.7	403.0	388.7	379.4	378.9	382.6	384.2	381.6	377.0	370.7
135°	411.4	394.1	378.9	366.9	357.9	354.6	353.0	352.1	349.9	347.8	343.9
137.5°	383.8	368.5	354.3	344.0	337.1	332.7	331.5	329.4	326.4	323.6	317.7
140°	355.9	341.4	330.1	320.2	314.6	311.0	309.3	306.0	302.4	298.8	291.1
142.5°	326.9	314.9	304.0	296.8	291.1	288.6	285.8	281.9	277.7	273.3	264.1
145°	297.9	286.9	278.5	271.5	267.9	265.4	261.4	257.4	252.3	246.2	236.8
147.5°	267.5	258.8	251.5	246.7	244.1	240.5	236.1	231.2	226.1	218.5	209.1
150°	237.2	229.9	224.8	222.2	219.0	214.5	209.8	204.6	199.5	190.2	181.2
152.5°	205.9	201.8	199.3	196.3	192.1	187.5	182.4	177.0	169.9	161.5	152.1
155°	188.6	182.2	175.7	168.5	164.0	159.2	154.0	148.1	140.4	132.3	123.1
157.5°	175.2	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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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	78.1	75.4	72.9	70.3
27.5°	141.4	130.6	121.2	111.3	108.7	105.6	102.3	98.8	95.2	91.6	87.8
30°	169.4	157.4	146.9	136.0	132.3	128.1	123.7	118.9	114.2	109.4	104.4
32.5°	197.4	184.4	172.7	160.7	155.8	150.4	144.6	138.5	132.5	126.3	120.1
35°	225.2	211.4	198.4	185.3	179.2	172.5	165.1	157.6	150.1	142.6	135.1
37.5°	253.0	238.3	224.1	210.0	202.4	194.2	185.3	176.2	167.3	158.2	149.1
40°	280.6	265.2	249.9	234.7	225.6	215.8	205.1	194.3	183.5	173.3	162.3
42.5°	308.0	291.9	275.6	259.3	248.7	237.1	224.9	211.9	199.6	188.1	174.7
45°	334.4	318.7	301.4	284.0	271.7	258.2	243.7	229.0	215.2	201.2	186.4
47.5°	356.8	337.4	316.5	296.7	282.0	266.2	250.2	234.8	221.1	207.2	192.4
50°	379.6	356.2	331.6	309.3	291.9	273.4	255.0	238.1	223.1	208.5	193.1
52.5°	403.4	375.5	346.7	322.0	301.8	280.3	259.8	241.4	225.1	210.2	194.6
55°	428.0	395.0	361.9	334.7	311.5	287.0	264.4	244.5	227.1	212.2	196.7
57.5°	453.4	414.9	377.2	347.3	321.2	293.6	268.9	247.6	229.5	214.4	199.6
60°	479.5	435.0	392.5	360.0	330.7	299.9	273.2	250.7	232.1	217.2	203.8
62.5°	506.2	455.4	407.8	372.7	340.3	306.2	277.6	253.7	234.9	220.5	207.6
65°	533.3	475.9	423.2	385.3	349.7	312.4	281.9	256.7	238.0	224.3	212.5
67.5°	560.8	496.5	438.5	398.0	359.1	318.5	286.2	259.7	241.3	228.6	217.9
70°	566.3	500.5	441.6	397.2	356.2	314.8	282.9	257.1	239.8	228.2	218.9
72.5°	569.7	503.6	444.5	396.4	353.2	311.1	279.2	254.0	237.4	226.1	217.2
75°	572.6	506.4	449.3	395.7	350.3	307.4	275.7	251.2	235.2	224.1	215.8
77.5°	575.0	509.0	451.8	394.9	347.4	303.9	272.5	248.6	233.1	222.3	214.6
80°	577.0	513.1	454.2	394.1	344.6	300.6	269.4	246.3	231.2	220.6	213.6
82.5°	580.3	514.3	456.7	393.3	341.8	297.5	266.5	244.2	229.4	219.0	212.8
85°	580.6	515.5	459.1	392.6	339.1	294.5	263.8	242.3	227.8	217.5	212.1
87.5°	580.8	516.8	461.6	391.8	336.5	291.7	261.3	240.5	226.3	216.2	211.5
90°	581.0	518.0	464.0	391.0	334.0	289.0	259.0	239.0	225.0	215.0	211.0
92.5°	580.8	516.8	461.6	391.8	336.5	291.7	261.3	240.5	226.3	216.2	211.5
95°	580.6	515.5	459.1	392.6	339.1	294.5	263.8	242.3	227.8	217.5	212.1
97.5°	580.3	514.3	456.7	393.3	341.8	297.5	266.5	244.2	229.4	219.0	212.8
100°	577.0	513.1	454.2	394.1	344.6	300.6	269.4	246.3	231.2	220.6	213.6
102.5°	575.0	509.0	451.8	394.9	347.4	303.9	272.5	248.6	233.1	222.3	214.6
105°	572.6	506.4	449.3	395.7	350.3	307.4	275.7	251.2	235.2	224.1	215.8
107.5°	569.7	503.6	444.5	396.4	353.2	311.1	279.2	254.0	237.4	226.1	217.2
110°	566.3	500.5	441.6	397.2	356.2	314.8	282.9	257.1	239.8	228.2	218.9



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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°	560.8	496.5	438.5	398.0	359.1	318.5	286.2	259.7	241.3	228.6	217.9
115°	533.3	475.9	423.2	385.3	349.7	312.4	281.9	256.7	238.0	224.3	212.5
117.5°	506.2	455.4	407.8	372.7	340.3	306.2	277.6	253.7	234.9	220.5	207.6
120°	479.5	435.0	392.5	360.0	330.7	299.9	273.2	250.7	232.1	217.2	203.8
122.5°	453.4	414.9	377.2	347.3	321.2	293.6	268.9	247.6	229.5	214.4	199.6
125°	428.0	395.0	361.9	334.7	311.5	287.0	264.4	244.5	227.1	212.2	196.7
127.5°	403.4	375.5	346.7	322.0	301.8	280.3	259.8	241.4	225.1	210.2	194.6
130°	379.6	356.2	331.6	309.3	291.9	273.4	255.0	238.1	223.1	208.5	193.1
132.5°	356.8	337.4	316.5	296.7	282.0	266.2	250.2	234.8	221.1	207.2	192.4
135°	334.4	318.7	301.4	284.0	271.7	258.2	243.7	229.0	215.2	201.2	186.4
137.5°	308.0	291.9	275.6	259.3	248.7	237.1	224.9	211.9	199.6	188.1	174.7
140°	280.6	265.2	249.9	234.7	225.6	215.8	205.1	194.3	183.5	173.3	162.3
142.5°	253.0	238.3	224.1	210.0	202.4	194.2	185.3	176.2	167.3	158.2	149.1
145°	225.2	211.4	198.4	185.3	179.2	172.5	165.1	157.6	150.1	142.6	135.1
147.5°	197.4	184.4	172.7	160.7	155.8	150.4	144.6	138.5	132.5	126.3	120.1
150°	169.4	157.4	146.9	136.0	132.3	128.1	123.7	118.9	114.2	109.4	104.4
152.5°	141.4	130.6	121.2	111.3	108.7	105.6	102.3	98.8	95.2	91.6	87.8
155°	113.3	103.9	95.5	86.7	84.9	82.8	80.5	78.1	75.4	72.9	70.3
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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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	60.7	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°	99.3	93.9	88.6	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	119.1	110.6	102.6	95.0	88.2	82.3	76.8	71.6	66.9	63.2
37.5°	139.6	129.5	119.3	109.9	101.1	93.7	86.8	80.5	75.1	70.8	66.7
40°	150.9	138.5	126.8	115.8	106.4	97.9	90.2	83.7	78.7	74.0	69.5
42.5°	160.8	146.3	133.1	121.0	110.4	101.1	92.9	87.1	81.7	76.8	72.1
45°	169.6	153.3	138.2	125.3	113.8	103.5	96.4	90.1	84.6	79.4	74.5
47.5°	175.3	159.0	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°	178.7	163.4	149.3	136.7	126.1	117.4	109.4	101.1	92.8	88.0	83.0
55°	181.7	167.3	153.8	142.1	133.7	126.3	118.9	111.0	102.8	94.3	86.4
57.5°	185.5	171.9	159.7	149.4	142.2	136.1	129.3	121.4	112.3	102.3	93.3
60°	190.0	177.2	166.2	158.0	152.1	146.8	140.6	131.5	120.4	109.1	98.9
62.5°	195.2	183.1	173.5	167.3	162.8	158.2	151.5	141.2	127.4	114.9	103.7
65°	201.0	190.0	181.6	177.1	174.3	170.3	162.0	149.0	133.7	119.8	107.5
67.5°	207.4	197.7	191.1	187.9	186.4	182.9	172.6	156.2	139.3	124.2	110.6
70°	210.0	202.6	198.7	198.6	198.7	194.8	182.7	162.8	144.4	128.1	113.2
72.5°	208.9	202.4	198.9	198.7	199.6	196.9	185.8	167.5	149.1	131.7	115.5
75°	208.1	202.4	198.9	198.6	199.3	196.0	184.9	168.3	150.8	133.6	117.5
77.5°	207.6	202.5	198.8	198.4	199.1	195.9	185.4	170.1	153.0	135.7	119.6
80°	207.4	202.8	198.7	198.0	198.8	196.4	187.0	173.0	155.7	138.5	122.3
82.5°	207.3	203.2	198.4	197.6	198.6	197.5	189.6	176.8	159.1	141.9	125.7
85°	207.4	203.7	198.2	197.0	198.4	198.8	193.0	181.3	163.1	145.9	129.8
87.5°	207.7	204.3	198.1	196.5	198.2	200.4	196.9	186.4	167.7	150.6	134.5
90°	208.0	205.0	198.0	196.0	198.0	202.0	201.0	192.0	173.0	156.0	140.0
92.5°	207.7	204.3	198.1	196.5	198.2	200.4	196.9	186.4	167.7	150.6	134.5
95°	207.4	203.7	198.2	197.0	198.4	198.8	193.0	181.3	163.1	145.9	129.8
97.5°	207.3	203.2	198.4	197.6	198.6	197.5	189.6	176.8	159.1	141.9	125.7
100°	207.4	202.8	198.7	198.0	198.8	196.4	187.0	173.0	155.7	138.5	122.3
102.5°	207.6	202.5	198.8	198.4	199.1	195.9	185.4	170.1	153.0	135.7	119.6
105°	208.1	202.4	198.9	198.6	199.3	196.0	184.9	168.3	150.8	133.6	117.5
107.5°	208.9	202.4	198.9	198.7	199.6	196.9	185.8	167.5	149.1	131.7	115.5
110°	210.0	202.6	198.7	198.6	198.7	194.8	182.7	162.8	144.4	128.1	113.2



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	207.4	197.7	191.1	187.9	186.4	182.9	172.6	156.2	139.3	124.2	110.6
115°	201.0	190.0	181.6	177.1	174.3	170.3	162.0	149.0	133.7	119.8	107.5
117.5°	195.2	183.1	173.5	167.3	162.8	158.2	151.5	141.2	127.4	114.9	103.7
120°	190.0	177.2	166.2	158.0	152.1	146.8	140.6	131.5	120.4	109.1	98.9
122.5°	185.5	171.9	159.7	149.4	142.2	136.1	129.3	121.4	112.3	102.3	93.3
125°	181.7	167.3	153.8	142.1	133.7	126.3	118.9	111.0	102.8	94.3	86.4
127.5°	178.7	163.4	149.3	136.7	126.1	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°	175.3	159.0	143.0	128.6	116.4	106.7	99.3	93.1	87.3	81.9	77.4
135°	169.6	153.3	138.2	125.3	113.8	103.5	96.4	90.1	84.6	79.4	74.5
137.5°	160.8	146.3	133.1	121.0	110.4	101.1	92.9	87.1	81.7	76.8	72.1
140°	150.9	138.5	126.8	115.8	106.4	97.9	90.2	83.7	78.7	74.0	69.5
142.5°	139.6	129.5	119.3	109.9	101.1	93.7	86.8	80.5	75.1	70.8	66.7
145°	127.1	119.1	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°	99.3	93.9	88.6	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	60.7	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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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	60.7
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	88.6
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	126.8
42.5°	63.7	67.7	72.1	76.8	81.7	87.1	92.9	101.1	110.4	121.0	133.1
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	126.1	136.7	149.3
55°	75.5	80.7	86.4	94.3	102.8	111.0	118.9	126.3	133.7	142.1	153.8
57.5°	78.1	85.3	93.3	102.3	112.3	121.4	129.3	136.1	142.2	149.4	159.7
60°	81.6	90.0	98.9	109.1	120.4	131.5	140.6	146.8	152.1	158.0	166.2
62.5°	84.2	93.5	103.7	114.9	127.4	141.2	151.5	158.2	162.8	167.3	173.5
65°	86.1	96.1	107.5	119.8	133.7	149.0	162.0	170.3	174.3	177.1	181.6
67.5°	87.4	98.1	110.6	124.2	139.3	156.2	172.6	182.9	186.4	187.9	191.1
70°	88.7	99.8	113.2	128.1	144.4	162.8	182.7	194.8	198.7	198.6	198.7
72.5°	89.9	101.0	115.5	131.7	149.1	167.5	185.8	196.9	199.6	198.7	198.9
75°	90.9	102.6	117.5	133.6	150.8	168.3	184.9	196.0	199.3	198.6	198.9
77.5°	92.6	105.0	119.6	135.7	153.0	170.1	185.4	195.9	199.1	198.4	198.8
80°	94.3	107.6	122.3	138.5	155.7	173.0	187.0	196.4	198.8	198.0	198.7
82.5°	96.3	110.4	125.7	141.9	159.1	176.8	189.6	197.5	198.6	197.6	198.4
85°	98.6	113.7	129.8	145.9	163.1	181.3	193.0	198.8	198.4	197.0	198.2
87.5°	101.4	117.5	134.5	150.6	167.7	186.4	196.9	200.4	198.2	196.5	198.1
90°	105.0	122.0	140.0	156.0	173.0	192.0	201.0	202.0	198.0	196.0	198.0
92.5°	101.4	117.5	134.5	150.6	167.7	186.4	196.9	200.4	198.2	196.5	198.1
95°	98.6	113.7	129.8	145.9	163.1	181.3	193.0	198.8	198.4	197.0	198.2
97.5°	96.3	110.4	125.7	141.9	159.1	176.8	189.6	197.5	198.6	197.6	198.4
100°	94.3	107.6	122.3	138.5	155.7	173.0	187.0	196.4	198.8	198.0	198.7
102.5°	92.6	105.0	119.6	135.7	153.0	170.1	185.4	195.9	199.1	198.4	198.8
105°	90.9	102.6	117.5	133.6	150.8	168.3	184.9	196.0	199.3	198.6	198.9
107.5°	89.9	101.0	115.5	131.7	149.1	167.5	185.8	196.9	199.6	198.7	198.9
110°	88.7	99.8	113.2	128.1	144.4	162.8	182.7	194.8	198.7	198.6	198.7



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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	156.2	172.6	182.9	186.4	187.9	191.1
115°	86.1	96.1	107.5	119.8	133.7	149.0	162.0	170.3	174.3	177.1	181.6
117.5°	84.2	93.5	103.7	114.9	127.4	141.2	151.5	158.2	162.8	167.3	173.5
120°	81.6	90.0	98.9	109.1	120.4	131.5	140.6	146.8	152.1	158.0	166.2
122.5°	78.1	85.3	93.3	102.3	112.3	121.4	129.3	136.1	142.2	149.4	159.7
125°	75.5	80.7	86.4	94.3	102.8	111.0	118.9	126.3	133.7	142.1	153.8
127.5°	73.1	78.0	83.0	88.0	92.8	101.1	109.4	117.4	126.1	136.7	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	133.1
140°	61.3	65.3	69.5	74.0	78.7	83.7	90.2	97.9	106.4	115.8	126.8
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	88.6
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	60.7
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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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	70.3	72.9	75.4	78.1	80.5	82.8	84.9	86.7	95.5
27.5°	79.5	83.7	87.8	91.6	95.2	98.8	102.3	105.6	108.7	111.3	121.2
30°	93.9	99.3	104.4	109.4	114.2	118.9	123.7	128.1	132.3	136.0	146.9
32.5°	107.1	113.7	120.1	126.3	132.5	138.5	144.6	150.4	155.8	160.7	172.7
35°	119.1	127.1	135.1	142.6	150.1	157.6	165.1	172.5	179.2	185.3	198.4
37.5°	129.5	139.6	149.1	158.2	167.3	176.2	185.3	194.2	202.4	210.0	224.1
40°	138.5	150.9	162.3	173.3	183.5	194.3	205.1	215.8	225.6	234.7	249.9
42.5°	146.3	160.8	174.7	188.1	199.6	211.9	224.9	237.1	248.7	259.3	275.6
45°	153.3	169.6	186.4	201.2	215.2	229.0	243.7	258.2	271.7	284.0	301.4
47.5°	159.0	175.3	192.4	207.2	221.1	234.8	250.2	266.2	282.0	296.7	316.5
50°	160.6	176.4	193.1	208.5	223.1	238.1	255.0	273.4	291.9	309.3	331.6
52.5°	163.4	178.7	194.6	210.2	225.1	241.4	259.8	280.3	301.8	322.0	346.7
55°	167.3	181.7	196.7	212.2	227.1	244.5	264.4	287.0	311.5	334.7	361.9
57.5°	171.9	185.5	199.6	214.4	229.5	247.6	268.9	293.6	321.2	347.3	377.2
60°	177.2	190.0	203.8	217.2	232.1	250.7	273.2	299.9	330.7	360.0	392.5
62.5°	183.1	195.2	207.6	220.5	234.9	253.7	277.6	306.2	340.3	372.7	407.8
65°	190.0	201.0	212.5	224.3	238.0	256.7	281.9	312.4	349.7	385.3	423.2
67.5°	197.7	207.4	217.9	228.6	241.3	259.7	286.2	318.5	359.1	398.0	438.5
70°	202.6	210.0	218.9	228.2	239.8	257.1	282.9	314.8	356.2	397.2	441.6
72.5°	202.4	208.9	217.2	226.1	237.4	254.0	279.2	311.1	353.2	396.4	444.5
75°	202.4	208.1	215.8	224.1	235.2	251.2	275.7	307.4	350.3	395.7	449.3
77.5°	202.5	207.6	214.6	222.3	233.1	248.6	272.5	303.9	347.4	394.9	451.8
80°	202.8	207.4	213.6	220.6	231.2	246.3	269.4	300.6	344.6	394.1	454.2
82.5°	203.2	207.3	212.8	219.0	229.4	244.2	266.5	297.5	341.8	393.3	456.7
85°	203.7	207.4	212.1	217.5	227.8	242.3	263.8	294.5	339.1	392.6	459.1
87.5°	204.3	207.7	211.5	216.2	226.3	240.5	261.3	291.7	336.5	391.8	461.6
90°	205.0	208.0	211.0	215.0	225.0	239.0	259.0	289.0	334.0	391.0	464.0
92.5°	204.3	207.7	211.5	216.2	226.3	240.5	261.3	291.7	336.5	391.8	461.6
95°	203.7	207.4	212.1	217.5	227.8	242.3	263.8	294.5	339.1	392.6	459.1
97.5°	203.2	207.3	212.8	219.0	229.4	244.2	266.5	297.5	341.8	393.3	456.7
100°	202.8	207.4	213.6	220.6	231.2	246.3	269.4	300.6	344.6	394.1	454.2
102.5°	202.5	207.6	214.6	222.3	233.1	248.6	272.5	303.9	347.4	394.9	451.8
105°	202.4	208.1	215.8	224.1	235.2	251.2	275.7	307.4	350.3	395.7	449.3
107.5°	202.4	208.9	217.2	226.1	237.4	254.0	279.2	311.1	353.2	396.4	444.5
110°	202.6	210.0	218.9	228.2	239.8	257.1	282.9	314.8	356.2	397.2	441.6



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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°	197.7	207.4	217.9	228.6	241.3	259.7	286.2	318.5	359.1	398.0	438.5
115°	190.0	201.0	212.5	224.3	238.0	256.7	281.9	312.4	349.7	385.3	423.2
117.5°	183.1	195.2	207.6	220.5	234.9	253.7	277.6	306.2	340.3	372.7	407.8
120°	177.2	190.0	203.8	217.2	232.1	250.7	273.2	299.9	330.7	360.0	392.5
122.5°	171.9	185.5	199.6	214.4	229.5	247.6	268.9	293.6	321.2	347.3	377.2
125°	167.3	181.7	196.7	212.2	227.1	244.5	264.4	287.0	311.5	334.7	361.9
127.5°	163.4	178.7	194.6	210.2	225.1	241.4	259.8	280.3	301.8	322.0	346.7
130°	160.6	176.4	193.1	208.5	223.1	238.1	255.0	273.4	291.9	309.3	331.6
132.5°	159.0	175.3	192.4	207.2	221.1	234.8	250.2	266.2	282.0	296.7	316.5
135°	153.3	169.6	186.4	201.2	215.2	229.0	243.7	258.2	271.7	284.0	301.4
137.5°	146.3	160.8	174.7	188.1	199.6	211.9	224.9	237.1	248.7	259.3	275.6
140°	138.5	150.9	162.3	173.3	183.5	194.3	205.1	215.8	225.6	234.7	249.9
142.5°	129.5	139.6	149.1	158.2	167.3	176.2	185.3	194.2	202.4	210.0	224.1
145°	119.1	127.1	135.1	142.6	150.1	157.6	165.1	172.5	179.2	185.3	198.4
147.5°	107.1	113.7	120.1	126.3	132.5	138.5	144.6	150.4	155.8	160.7	172.7
150°	93.9	99.3	104.4	109.4	114.2	118.9	123.7	128.1	132.3	136.0	146.9
152.5°	79.5	83.7	87.8	91.6	95.2	98.8	102.3	105.6	108.7	111.3	121.2
155°	64.0	67.2	70.3	72.9	75.4	78.1	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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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	168.5	175.7
27.5°	130.6	141.4	152.1	161.5	169.9	177.0	182.4	187.5	192.1	196.3	199.3
30°	157.4	169.4	181.2	190.2	199.5	204.6	209.8	214.5	219.0	222.2	224.8
32.5°	184.4	197.4	209.1	218.5	226.1	231.2	236.1	240.5	244.1	246.7	251.5
35°	211.4	225.2	236.8	246.2	252.3	257.4	261.4	265.4	267.9	271.5	278.5
37.5°	238.3	253.0	264.1	273.3	277.7	281.9	285.8	288.6	291.1	296.8	304.0
40°	265.2	280.6	291.1	298.8	302.4	306.0	309.3	311.0	314.6	320.2	330.1
42.5°	291.9	308.0	317.7	323.6	326.4	329.4	331.5	332.7	337.1	344.0	354.3
45°	318.7	334.4	343.9	347.8	349.9	352.1	353.0	354.6	357.9	366.9	378.9
47.5°	337.4	356.8	370.7	377.0	381.6	384.2	382.6	378.9	379.4	388.7	403.0
50°	356.2	379.6	398.4	410.1	421.6	431.0	437.2	442.3	444.8	444.3	443.6
52.5°	375.5	403.4	427.2	445.1	464.6	481.8	497.6	511.7	520.3	517.1	513.5
55°	395.0	428.0	457.4	482.6	510.2	536.3	562.8	584.9	596.3	585.8	578.6
57.5°	414.9	453.4	488.9	522.2	558.4	594.0	632.5	661.0	666.4	651.2	639.5
60°	435.0	479.5	521.6	563.7	609.3	655.3	706.3	739.9	733.4	713.3	696.2
62.5°	455.4	506.2	555.3	606.7	662.4	720.6	782.1	821.0	797.5	772.1	749.1
65°	475.9	533.3	589.8	651.0	717.4	788.6	857.7	893.7	859.2	828.0	798.3
67.5°	496.5	560.8	625.1	696.3	773.9	858.7	934.8	959.9	919.2	881.2	844.4
70°	500.5	566.3	633.5	711.6	797.2	892.8	977.0	1000.0	966.5	929.7	888.0
72.5°	503.6	569.7	637.6	719.1	806.4	902.6	984.0	1002.4	979.3	945.5	904.7
75°	506.4	572.6	641.2	726.1	814.5	910.5	990.0	1008.6	995.3	961.8	918.4
77.5°	509.0	575.0	644.2	732.3	821.5	916.6	995.0	1018.1	1013.9	978.7	932.3
80°	513.1	577.0	646.6	737.9	827.4	920.9	998.9	1030.1	1034.6	996.2	946.7
82.5°	514.3	580.3	651.0	742.7	832.2	923.6	1001.7	1043.8	1056.9	1014.5	961.7
85°	515.5	580.6	651.0	748.6	837.9	927.2	1005.8	1060.3	1080.1	1033.6	977.6
87.5°	516.8	580.8	651.0	750.3	839.0	925.1	1004.4	1073.7	1104.0	1053.2	993.9
90°	518.0	581.0	651.0	752.0	840.0	923.0	1003.0	1087.0	1127.0	1075.0	1013.0
92.5°	516.8	580.8	651.0	750.3	839.0	925.1	1004.4	1073.7	1104.0	1053.2	993.9
95°	515.5	580.6	651.0	748.6	837.9	927.2	1005.8	1060.3	1080.1	1033.6	977.6
97.5°	514.3	580.3	651.0	742.7	832.2	923.6	1001.7	1043.8	1056.9	1014.5	961.7
100°	513.1	577.0	646.6	737.9	827.4	920.9	998.9	1030.1	1034.6	996.2	946.7
102.5°	509.0	575.0	644.2	732.3	821.5	916.6	995.0	1018.1	1013.9	978.7	932.3
105°	506.4	572.6	641.2	726.1	814.5	910.5	990.0	1008.6	995.3	961.8	918.4
107.5°	503.6	569.7	637.6	719.1	806.4	902.6	984.0	1002.4	979.3	945.5	904.7
110°	500.5	566.3	633.5	711.6	797.2	892.8	977.0	1000.0	966.5	929.7	888.0



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	496.5	560.8	625.1	696.3	773.9	858.7	934.8	959.9	919.2	881.2	844.4
115°	475.9	533.3	589.8	651.0	717.4	788.6	857.7	893.7	859.2	828.0	798.3
117.5°	455.4	506.2	555.3	606.7	662.4	720.6	782.1	821.0	797.5	772.1	749.1
120°	435.0	479.5	521.6	563.7	609.3	655.3	706.3	739.9	733.4	713.3	696.2
122.5°	414.9	453.4	488.9	522.2	558.4	594.0	632.5	661.0	666.4	651.2	639.5
125°	395.0	428.0	457.4	482.6	510.2	536.3	562.8	584.9	596.3	585.8	578.6
127.5°	375.5	403.4	427.2	445.1	464.6	481.8	497.6	511.7	520.3	517.1	513.5
130°	356.2	379.6	398.4	410.1	421.6	431.0	437.2	442.3	444.8	444.3	443.6
132.5°	337.4	356.8	370.7	377.0	381.6	384.2	382.6	378.9	379.4	388.7	403.0
135°	318.7	334.4	343.9	347.8	349.9	352.1	353.0	354.6	357.9	366.9	378.9
137.5°	291.9	308.0	317.7	323.6	326.4	329.4	331.5	332.7	337.1	344.0	354.3
140°	265.2	280.6	291.1	298.8	302.4	306.0	309.3	311.0	314.6	320.2	330.1
142.5°	238.3	253.0	264.1	273.3	277.7	281.9	285.8	288.6	291.1	296.8	304.0
145°	211.4	225.2	236.8	246.2	252.3	257.4	261.4	265.4	267.9	271.5	278.5
147.5°	184.4	197.4	209.1	218.5	226.1	231.2	236.1	240.5	244.1	246.7	251.5
150°	157.4	169.4	181.2	190.2	199.5	204.6	209.8	214.5	219.0	222.2	224.8
152.5°	130.6	141.4	152.1	161.5	169.9	177.0	182.4	187.5	192.1	196.3	199.3
155°	103.9	113.3	123.1	132.3	140.4	148.1	154.0	159.2	164.0	168.5	175.7
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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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	152.6	156.4	160.0
17.5°	135.6	141.6	146.5	151.9	157.2	162.4	167.4	172.2	176.9	181.5	186.0
20°	152.6	158.9	165.1	171.1	176.7	182.4	188.0	193.9	200.0	205.8	211.2
22.5°	168.5	175.2	181.3	187.4	193.8	201.9	209.7	217.2	223.9	229.3	233.8
25°	182.2	188.6	195.7	204.7	214.4	223.6	232.6	240.5	247.4	253.5	259.0
27.5°	201.8	205.9	213.4	224.6	236.7	248.1	259.5	267.8	276.2	283.3	289.7
30°	229.9	237.2	245.2	255.3	265.3	276.6	288.7	299.4	309.7	318.4	326.5
32.5°	258.8	267.5	278.2	289.1	300.9	312.3	324.3	336.1	347.0	355.8	363.5
35°	286.9	297.9	309.6	322.5	335.4	349.0	362.2	373.4	383.8	395.6	408.5
37.5°	314.9	326.9	340.7	354.9	369.8	383.9	396.7	410.0	425.4	441.9	456.3
40°	341.4	355.9	370.9	386.9	402.2	416.7	433.1	450.3	468.6	487.4	506.8
42.5°	368.5	383.8	400.6	417.2	433.3	451.7	470.6	491.9	514.8	538.1	563.0
45°	394.1	411.4	429.0	446.5	466.0	486.4	510.0	534.2	562.1	592.4	629.0
47.5°	419.7	437.6	456.5	476.5	498.0	523.1	549.4	579.1	613.9	652.9	702.4
50°	446.7	463.4	483.6	506.0	531.5	558.8	589.9	626.4	668.9	723.6	783.1
52.5°	512.9	515.7	522.8	535.7	565.1	595.3	631.3	674.3	732.6	797.9	872.3
55°	574.3	573.4	577.9	589.0	607.5	632.2	671.0	730.4	797.6	873.4	962.4
57.5°	630.4	625.6	627.3	636.7	655.0	684.1	728.4	786.8	860.7	951.8	1052.7
60°	681.9	672.0	671.5	680.9	701.3	734.3	790.0	855.3	934.3	1027.5	1147.2
62.5°	729.1	715.1	710.8	719.5	744.4	789.3	849.2	920.9	1014.3	1123.5	1250.8
65°	772.1	754.1	748.6	758.4	786.2	837.9	903.5	991.1	1096.1	1217.6	1363.3
67.5°	811.1	788.8	782.1	795.3	830.6	885.5	957.6	1054.8	1171.5	1311.6	1477.0
70°	848.2	820.5	811.8	828.7	869.6	928.4	1012.7	1119.6	1245.6	1395.3	1580.8
72.5°	869.2	847.5	843.4	862.2	904.5	968.5	1061.2	1175.8	1310.7	1473.4	1651.6
75°	885.1	869.8	872.8	897.2	942.9	1010.4	1108.4	1225.2	1362.8	1534.1	1707.8
77.5°	902.5	893.3	901.4	929.9	978.8	1053.9	1156.2	1275.5	1416.7	1580.8	1753.6
80°	921.2	918.0	929.0	960.5	1011.4	1092.2	1196.7	1315.5	1460.5	1622.0	1810.1
82.5°	941.0	943.3	956.0	989.1	1041.0	1125.5	1230.3	1345.8	1492.2	1651.5	1848.7
85°	961.8	969.2	982.2	1015.9	1067.8	1154.0	1257.6	1367.3	1512.7	1669.7	1870.0
87.5°	983.0	995.4	1008.1	1041.8	1093.1	1179.9	1281.4	1384.0	1526.9	1681.7	1881.7
90°	1005.0	1021.0	1033.0	1065.0	1114.0	1198.0	1295.0	1389.0	1524.0	1674.0	1865.0
92.5°	983.0	995.4	1008.1	1041.8	1093.1	1179.9	1281.4	1384.0	1526.9	1681.7	1881.7
95°	961.8	969.2	982.2	1015.9	1067.8	1154.0	1257.6	1367.3	1512.7	1669.7	1870.0
97.5°	941.0	943.3	956.0	989.1	1041.0	1125.5	1230.3	1345.8	1492.2	1651.5	1848.7
100°	921.2	918.0	929.0	960.5	1011.4	1092.2	1196.7	1315.5	1460.5	1622.0	1810.1
102.5°	902.5	893.3	901.4	929.9	978.8	1053.9	1156.2	1275.5	1416.7	1580.8	1753.6
105°	885.1	869.8	872.8	897.2	942.9	1010.4	1108.4	1225.2	1362.8	1534.1	1707.8
107.5°	869.2	847.5	843.4	862.2	904.5	968.5	1061.2	1175.8	1310.7	1473.4	1651.6
110°	848.2	820.5	811.8	828.7	869.6	928.4	1012.7	1119.6	1245.6	1395.3	1580.8



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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°	811.1	788.8	782.1	795.3	830.6	885.5	957.6	1054.8	1171.5	1311.6	1477.0
115°	772.1	754.1	748.6	758.4	786.2	837.9	903.5	991.1	1096.1	1217.6	1363.3
117.5°	729.1	715.1	710.8	719.5	744.4	789.3	849.2	920.9	1014.3	1123.5	1250.8
120°	681.9	672.0	671.5	680.9	701.3	734.3	790.0	855.3	934.3	1027.5	1147.2
122.5°	630.4	625.6	627.3	636.7	655.0	684.1	728.4	786.8	860.7	951.8	1052.7
125°	574.3	573.4	577.9	589.0	607.5	632.2	671.0	730.4	797.6	873.4	962.4
127.5°	512.9	515.7	522.8	535.7	565.1	595.3	631.3	674.3	732.6	797.9	872.3
130°	446.7	463.4	483.6	506.0	531.5	558.8	589.9	626.4	668.9	723.6	783.1
132.5°	419.7	437.6	456.5	476.5	498.0	523.1	549.4	579.1	613.9	652.9	702.4
135°	394.1	411.4	429.0	446.5	466.0	486.4	510.0	534.2	562.1	592.4	629.0
137.5°	368.5	383.8	400.6	417.2	433.3	451.7	470.6	491.9	514.8	538.1	563.0
140°	341.4	355.9	370.9	386.9	402.2	416.7	433.1	450.3	468.6	487.4	506.8
142.5°	314.9	326.9	340.7	354.9	369.8	383.9	396.7	410.0	425.4	441.9	456.3
145°	286.9	297.9	309.6	322.5	335.4	349.0	362.2	373.4	383.8	395.6	408.5
147.5°	258.8	267.5	278.2	289.1	300.9	312.3	324.3	336.1	347.0	355.8	363.5
150°	229.9	237.2	245.2	255.3	265.3	276.6	288.7	299.4	309.7	318.4	326.5
152.5°	201.8	205.9	213.4	224.6	236.7	248.1	259.5	267.8	276.2	283.3	289.7
155°	182.2	188.6	195.7	204.7	214.4	223.6	232.6	240.5	247.4	253.5	259.0
157.5°	168.5	175.2	181.3	187.4	193.8	201.9	209.7	217.2	223.9	229.3	233.8
160°	152.6	158.9	165.1	171.1	176.7	182.4	188.0	193.9	200.0	205.8	211.2
162.5°	135.6	141.6	146.5	151.9	157.2	162.4	167.4	172.2	176.9	181.5	186.0
165°	117.9	122.6	127.1	131.4	135.6	140.1	144.4	148.6	152.6	156.4	160.0
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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

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	137.4	139.6	141.5	143.3	144.8	146.0	146.9	147.5	147.9	148.6
15°	163.4	166.6	169.6	172.4	175.0	177.3	179.3	180.9	182.3	183.3	184.8
17.5°	190.3	194.3	197.8	201.0	203.9	206.3	208.3	209.9	211.1	211.9	213.1
20°	216.2	220.1	222.5	224.2	225.4	226.0	226.2	225.8	225.0	223.9	222.8
22.5°	237.5	240.2	242.7	244.7	245.9	246.3	246.1	245.1	243.6	241.6	239.7
25°	263.6	267.0	269.4	271.7	272.9	273.2	272.6	271.0	268.7	265.7	262.0
27.5°	295.3	299.6	302.5	304.8	306.6	307.5	307.4	306.4	304.5	301.6	297.9
30°	331.7	336.7	340.6	343.7	349.8	355.0	359.0	361.8	363.3	363.5	362.2
32.5°	371.4	381.6	391.0	399.6	408.8	418.2	426.4	433.3	438.8	442.6	444.5
35°	420.9	434.6	448.7	462.2	475.7	490.6	504.2	516.1	526.2	534.2	539.8
37.5°	473.0	490.6	511.4	531.4	550.7	572.7	593.4	611.6	627.2	639.9	649.4
40°	528.8	552.3	581.5	611.4	639.6	669.4	700.3	728.2	752.7	773.3	789.7
42.5°	594.2	626.9	663.4	705.8	746.4	786.4	829.4	867.2	899.6	926.3	947.1
45°	668.0	714.8	759.5	817.7	874.7	932.8	977.3	1022.9	1063.0	1096.8	1123.9
47.5°	754.5	816.4	881.9	947.8	1013.4	1075.0	1139.2	1202.2	1257.6	1304.6	1342.4
50°	854.2	927.5	1004.7	1080.1	1169.1	1253.2	1336.6	1424.1	1500.8	1565.6	1617.7
52.5°	954.8	1039.9	1138.3	1239.0	1354.4	1472.5	1580.0	1679.9	1770.5	1849.9	1916.4
55°	1056.6	1167.2	1287.2	1425.5	1562.9	1696.4	1819.1	1914.5	1997.6	2072.9	2138.7
57.5°	1169.1	1305.4	1454.5	1610.9	1771.1	1881.7	1985.2	2081.0	2166.4	2245.4	2316.3
60°	1289.3	1447.1	1619.4	1779.2	1916.8	2027.8	2121.1	2213.4	2300.4	2379.3	2449.4
62.5°	1405.6	1589.9	1766.6	1926.7	2041.4	2146.5	2236.4	2322.9	2412.3	2493.5	2564.9
65°	1537.6	1720.9	1900.7	2028.7	2139.6	2240.1	2337.1	2428.3	2515.7	2594.4	2658.6
67.5°	1659.1	1848.3	1989.9	2107.8	2216.7	2325.7	2428.8	2526.0	2614.4	2686.9	2746.8
70°	1759.7	1931.0	2065.8	2173.4	2287.5	2400.3	2508.6	2606.6	2698.5	2777.2	2831.6
72.5°	1836.2	2008.2	2126.5	2238.8	2350.4	2461.4	2571.5	2673.6	2778.1	2864.8	2910.7
75°	1906.0	2056.7	2175.2	2289.5	2405.0	2516.8	2616.3	2723.7	2827.3	2920.7	2975.6
77.5°	1964.4	2098.8	2209.4	2327.7	2448.9	2559.3	2659.6	2759.4	2879.1	2969.2	3025.7
80°	1995.5	2123.4	2232.3	2355.1	2481.4	2593.5	2696.6	2812.9	2929.6	3013.3	3052.4
82.5°	2021.9	2144.6	2259.0	2381.6	2499.5	2609.4	2720.8	2839.7	2959.8	3034.5	3069.7
85°	2040.9	2156.6	2276.0	2399.9	2515.8	2625.7	2733.4	2848.1	2971.9	3050.3	3089.3
87.5°	2056.9	2159.4	2282.2	2403.7	2519.6	2628.9	2746.4	2864.2	2990.1	3059.2	3091.3
90°	2048.0	2153.0	2276.9	2393.9	2509.9	2616.9	2743.9	2854.9	2985.9	3056.9	3074.9
92.5°	2056.9	2159.4	2282.2	2403.7	2519.6	2628.9	2746.4	2864.2	2990.1	3059.2	3091.3
95°	2040.9	2156.6	2276.0	2399.9	2515.8	2625.7	2733.4	2848.1	2971.9	3050.3	3089.3
97.5°	2021.9	2144.6	2259.0	2381.6	2499.5	2609.4	2720.8	2839.7	2959.8	3034.5	3069.7
100°	1995.5	2123.4	2232.3	2355.1	2481.4	2593.5	2696.6	2812.9	2929.6	3013.3	3052.4
102.5°	1964.4	2098.8	2209.4	2327.7	2448.9	2559.3	2659.6	2759.4	2879.1	2969.2	3025.7
105°	1906.0	2056.7	2175.2	2289.5	2405.0	2516.8	2616.3	2723.7	2827.3	2920.7	2975.6
107.5°	1836.2	2008.2	2126.5	2238.8	2350.4	2461.4	2571.5	2673.6	2778.1	2864.8	2910.7
110°	1759.7	1931.0	2065.8	2173.4	2287.5	2400.3	2508.6	2606.6	2698.5	2777.2	2831.6



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1659.1	1848.3	1989.9	2107.8	2216.7	2325.7	2428.8	2526.0	2614.4	2686.9	2746.8
115°	1537.6	1720.9	1900.7	2028.7	2139.6	2240.1	2337.1	2428.3	2515.7	2594.4	2658.6
117.5°	1405.6	1589.9	1766.6	1926.7	2041.4	2146.5	2236.4	2322.9	2412.3	2493.5	2564.9
120°	1289.3	1447.1	1619.4	1779.2	1916.8	2027.8	2121.1	2213.4	2300.4	2379.3	2449.4
122.5°	1169.1	1305.4	1454.5	1610.9	1771.1	1881.7	1985.2	2081.0	2166.4	2245.4	2316.3
125°	1056.6	1167.2	1287.2	1425.5	1562.9	1696.4	1819.1	1914.5	1997.6	2072.9	2138.7
127.5°	954.8	1039.9	1138.3	1239.0	1354.4	1472.5	1580.0	1679.9	1770.5	1849.9	1916.4
130°	854.2	927.5	1004.7	1080.1	1169.1	1253.2	1336.6	1424.1	1500.8	1565.6	1617.7
132.5°	754.5	816.4	881.9	947.8	1013.4	1075.0	1139.2	1202.2	1257.6	1304.6	1342.4
135°	668.0	714.8	759.5	817.7	874.7	932.8	977.3	1022.9	1063.0	1096.8	1123.9
137.5°	594.2	626.9	663.4	705.8	746.4	786.4	829.4	867.2	899.6	926.3	947.1
140°	528.8	552.3	581.5	611.4	639.6	669.4	700.3	728.2	752.7	773.3	789.7
142.5°	473.0	490.6	511.4	531.4	550.7	572.7	593.4	611.6	627.2	639.9	649.4
145°	420.9	434.6	448.7	462.2	475.7	490.6	504.2	516.1	526.2	534.2	539.8
147.5°	371.4	381.6	391.0	399.6	408.8	418.2	426.4	433.3	438.8	442.6	444.5
150°	331.7	336.7	340.7	343.7	349.8	355.0	359.0	361.8	363.3	363.5	362.2
152.5°	295.3	299.6	302.5	304.8	306.6	307.5	307.4	306.4	304.5	301.6	297.9
155°	263.6	267.0	269.4	271.7	272.9	273.2	272.6	271.0	268.7	265.7	262.0
157.5°	237.5	240.2	242.7	244.7	245.9	246.3	246.1	245.1	243.6	241.6	239.7
160°	216.2	220.1	222.5	224.2	225.4	226.0	226.2	225.8	225.0	223.9	222.8
162.5°	190.3	194.3	197.8	201.0	203.9	206.3	208.3	209.9	211.1	211.9	213.1
165°	163.4	166.6	169.6	172.4	175.0	177.3	179.3	180.9	182.3	183.3	184.8
167.5°	134.9	137.4	139.6	141.5	143.3	144.8	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: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-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°	184.4	184.0
17.5°	212.6	212.0
20°	220.9	219.0
22.5°	236.4	233.0
25°	258.0	253.0
27.5°	293.8	288.0
30°	360.3	355.0
32.5°	445.5	442.0
35°	544.3	543.0
37.5°	657.4	658.0
40°	804.1	808.0
42.5°	964.9	970.0
45°	1147.8	1156.0
47.5°	1375.9	1388.0
50°	1663.6	1680.0
52.5°	1977.0	2003.0
55°	2200.3	2235.0
57.5°	2383.7	2426.9
60°	2515.2	2560.9
62.5°	2626.4	2677.9
65°	2710.3	2751.9
67.5°	2795.0	2832.9
70°	2869.5	2894.9
72.5°	2942.9	2962.9
75°	3002.2	3017.9
77.5°	3039.6	3040.9
80°	3067.1	3070.9
82.5°	3086.4	3096.9
85°	3107.7	3097.9
87.5°	3114.6	3110.9
90°	3109.9	3103.9
92.5°	3114.6	3110.9
95°	3107.7	3097.9
97.5°	3086.4	3096.9
100°	3067.1	3070.9
102.5°	3039.6	3040.9
105°	3002.2	3017.9
107.5°	2942.9	2962.9
110°	2869.5	2894.9



TEST NUMBER: P232086

CATALOG NUMBER: FVS4WM-3-LD4-40-2HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2795.0	2832.9
115°	2710.3	2751.9
117.5°	2626.4	2677.9
120°	2515.2	2560.9
122.5°	2383.7	2426.9
125°	2200.3	2235.0
127.5°	1977.0	2003.0
130°	1663.6	1680.0
132.5°	1375.9	1388.0
135°	1147.8	1156.0
137.5°	964.9	970.0
140°	804.1	808.0
142.5°	657.4	658.0
145°	544.3	543.0
147.5°	445.5	442.0
150°	360.3	355.0
152.5°	293.8	288.0
155°	258.0	253.0
157.5°	236.4	233.0
160°	220.9	219.0
162.5°	212.6	212.0
165°	184.4	184.0
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)