

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: P232082

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232082
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-LD4-40-2STD-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

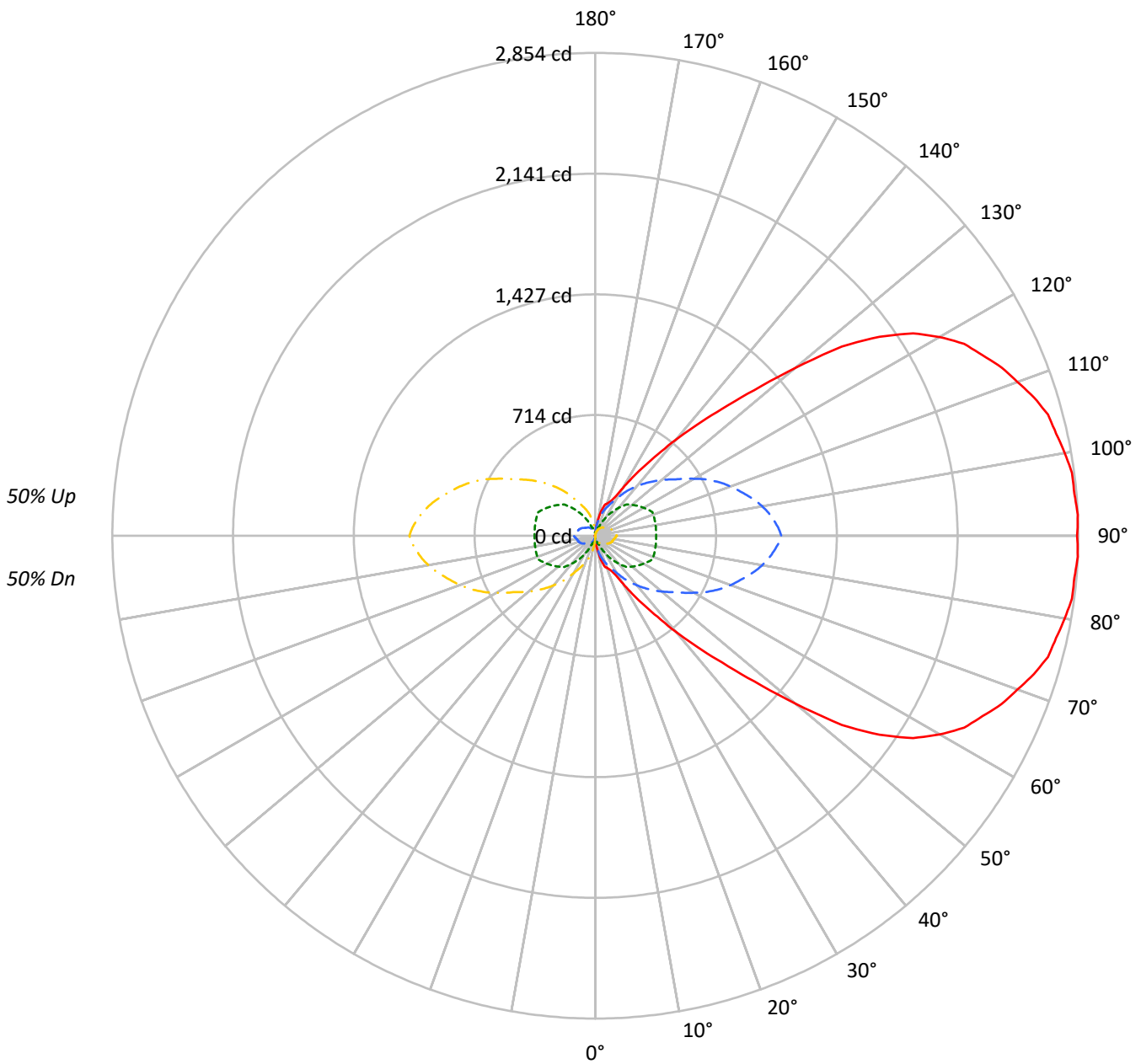
Lumens per Lamp: N/A
Luminaire Lumens: 6417.1 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 29.24 / 18.45 / 19.65
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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°	18	18	18	18
5°	807	260	0	260
10°	1586	506	0	506
15°	2378	757	0	757
20°	2619	1022	0	1022
25°	2836	1644	0	1644
30°	3771	2671	0	2671
35°	5523	3800	0	3800
40°	7939	5076	0	5076
45°	11068	6549	9	6549
50°	15801	7703	9	7703
55°	20812	9137	9	9137
60°	23792	10964	9	10964
65°	25702	13388	9	13388
70°	27390	16201	19	16201
75°	29158	19715	19	19715
80°	30548	25488	0	25488
85°	32007	36545	0	36545



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.0
10°-20°	20.8	0.3
20°-30°	55.8	0.9
30°-40°	128.4	2.0
40°-50°	251.7	3.9
50°-60°	448.5	7.0
60°-70°	651.2	10.1
70°-80°	790.4	12.3
80°-90°	858.9	13.4
90°-100°	858.9	13.4
100°-110°	790.4	12.3
110°-120°	651.2	10.1
120°-130°	448.5	7.0
130°-140°	251.7	3.9
140°-150°	128.4	2.0
150°-160°	55.8	0.9
160°-170°	20.8	0.3
170°-180°	2.9	0.0
0°-30°	79.5	1.2
0°-40°	207.8	3.2
0°-60°	908.0	14.1
0°-90°	3208.5	50.0
90°-120°	2300.5	35.9
90°-150°	3129.1	48.8
90°-180°	3209.0	50.0
0°-180°	6417.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	47	13	0	13	47	6
15°	169	38	0	38	169	48
25°	232	80	0	80	232	114
35°	498	170	0	170	498	325
45°	1060	260	1	260	1060	853
55°	2050	307	1	307	2050	1814
65°	2524	354	1	354	2524	2504
75°	2768	363	2	363	2768	2913
85°	2842	360	0	360	2842	2320
90°	2847	359	0	359	2847	1562
95°	2842	360	0	360	2842	2320
105°	2768	363	2	363	2768	2913
115°	2524	354	1	354	2524	2504
125°	2050	307	1	307	2050	1814
135°	1060	260	1	260	1060	853
145°	498	170	0	170	498	325
155°	232	80	0	80	232	114
165°	169	38	0	38	169	48
175°	47	13	0	13	47	6
180°	0	0	0	0	0	



TEST NUMBER: P232082

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	20.2	20.5	20.7	21.0	21.3	21.5	21.8	21.2	21.2	21.1	21.0
5°	46.8	47.3	47.9	48.4	48.9	48.1	48.1	48.0	47.7	47.4	46.9
7.5°	76.1	76.8	77.5	78.2	77.6	77.6	77.4	77.0	76.5	75.8	74.9
10°	102.7	103.5	104.4	105.2	104.4	104.3	104.0	103.6	102.9	102.1	101.1
12.5°	134.8	135.5	136.2	135.6	135.3	134.7	133.9	132.8	131.4	129.8	128.0
15°	168.8	169.2	169.5	168.2	167.2	166.0	164.4	162.6	160.5	158.2	155.6
17.5°	194.5	195.0	195.5	194.4	193.7	192.6	191.1	189.2	187.0	184.4	181.5
20°	200.9	202.6	204.4	205.4	206.4	207.1	207.5	207.4	206.8	205.7	204.1
22.5°	213.7	216.8	219.9	221.6	223.5	224.9	225.7	225.9	225.5	224.5	222.7
25°	232.1	236.7	240.4	243.7	246.5	248.6	250.0	250.6	250.3	249.2	247.1
27.5°	264.2	269.5	273.3	276.7	279.3	281.1	282.0	282.0	281.2	279.6	277.5
30°	325.6	330.4	332.2	333.4	333.3	331.9	329.3	325.6	320.9	315.2	312.5
32.5°	405.4	408.6	407.7	405.9	402.4	397.4	391.1	383.5	375.0	366.5	358.7
35°	498.1	499.3	495.2	490.0	482.7	473.4	462.4	450.0	436.3	423.9	411.5
37.5°	603.6	603.0	595.7	587.0	575.3	561.0	544.3	525.4	505.2	487.5	469.1
40°	741.1	737.5	724.3	709.3	690.4	667.9	642.4	614.0	586.7	560.8	533.4
42.5°	889.7	885.0	868.7	849.6	825.1	795.4	760.7	721.3	684.7	647.3	608.5
45°	1060.3	1052.8	1030.9	1006.0	975.0	938.3	896.4	855.6	802.3	750.0	696.7
47.5°	1273.1	1262.0	1231.3	1196.6	1153.5	1102.8	1045.0	986.0	929.6	869.4	808.9
50°	1541.0	1525.9	1483.8	1436.1	1376.6	1306.3	1226.0	1149.5	1072.3	990.7	921.6
52.5°	1837.3	1813.4	1757.9	1696.9	1624.0	1540.9	1449.2	1350.6	1242.3	1136.5	1044.1
55°	2050.1	2018.3	1961.7	1901.4	1832.4	1756.1	1668.6	1556.1	1433.6	1307.5	1180.7
57.5°	2226.2	2186.6	2124.7	2059.7	1987.2	1908.8	1820.9	1726.0	1624.5	1477.6	1334.1
60°	2349.1	2307.2	2246.8	2182.5	2110.1	2030.2	1945.6	1860.0	1758.2	1632.0	1485.4
62.5°	2456.4	2409.2	2352.8	2287.2	2212.8	2130.8	2051.4	1968.9	1872.5	1767.3	1620.4
65°	2524.3	2486.1	2438.7	2379.8	2307.6	2227.4	2143.8	2054.8	1962.6	1860.9	1743.5
67.5°	2598.6	2563.9	2519.6	2464.6	2398.2	2317.1	2227.9	2133.3	2033.4	1933.4	1825.2
70°	2655.4	2632.2	2597.4	2547.5	2475.3	2391.0	2301.1	2201.8	2098.3	1993.6	1894.9
72.5°	2717.8	2699.5	2670.0	2627.8	2548.4	2452.5	2358.8	2257.8	2155.9	2053.6	1950.6
75°	2768.3	2753.9	2729.4	2679.1	2593.4	2498.4	2399.9	2308.6	2206.0	2100.1	1995.2
77.5°	2789.4	2788.2	2775.5	2723.6	2640.9	2531.1	2439.6	2347.6	2246.3	2135.1	2026.6
80°	2816.9	2813.4	2800.0	2764.0	2687.3	2580.2	2473.6	2379.0	2276.2	2160.3	2047.6
82.5°	2840.7	2831.1	2815.8	2783.5	2715.0	2604.8	2495.7	2393.6	2292.8	2184.7	2072.1
85°	2841.7	2850.7	2833.7	2798.0	2726.1	2612.5	2507.3	2408.5	2307.7	2201.4	2087.8
87.5°	2853.6	2857.0	2835.6	2806.2	2742.8	2627.3	2519.2	2411.5	2311.2	2204.9	2093.4
90°	2847.2	2852.7	2820.6	2804.0	2738.9	2618.8	2516.9	2400.5	2302.3	2195.9	2088.6
92.5°	2853.6	2857.0	2835.6	2806.2	2742.8	2627.3	2519.2	2411.5	2311.2	2204.9	2093.4
95°	2841.7	2850.7	2833.7	2798.0	2726.1	2612.5	2507.3	2408.5	2307.7	2201.4	2087.8
97.5°	2840.7	2831.1	2815.8	2783.5	2715.0	2604.8	2495.7	2393.6	2292.8	2184.7	2072.1
100°	2816.9	2813.4	2800.0	2764.0	2687.3	2580.2	2473.6	2379.0	2276.2	2160.3	2047.6
102.5°	2789.4	2788.2	2775.5	2723.6	2640.9	2531.1	2439.6	2347.6	2246.3	2135.1	2026.6
105°	2768.3	2753.9	2729.4	2679.1	2593.4	2498.4	2399.9	2308.6	2206.0	2100.1	1995.2
107.5°	2717.8	2699.5	2670.0	2627.8	2548.4	2452.5	2358.8	2257.8	2155.9	2053.6	1950.6
110°	2655.4	2632.2	2597.4	2547.5	2475.3	2391.0	2301.1	2201.8	2098.3	1993.6	1894.9



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2598.6	2563.9	2519.6	2464.6	2398.2	2317.1	2227.9	2133.3	2033.4	1933.4	1825.2
115°	2524.3	2486.1	2438.7	2379.8	2307.6	2227.4	2143.8	2054.8	1962.6	1860.9	1743.5
117.5°	2456.4	2409.2	2352.8	2287.2	2212.8	2130.8	2051.4	1968.9	1872.5	1767.3	1620.4
120°	2349.1	2307.2	2246.8	2182.5	2110.1	2030.2	1945.6	1860.0	1758.2	1632.0	1485.4
122.5°	2226.2	2186.6	2124.7	2059.7	1987.2	1908.8	1820.9	1726.0	1624.5	1477.6	1334.1
125°	2050.1	2018.3	1961.7	1901.4	1832.4	1756.1	1668.6	1556.1	1433.6	1307.5	1180.7
127.5°	1837.3	1813.4	1757.9	1696.9	1624.0	1540.9	1449.2	1350.6	1242.3	1136.5	1044.1
130°	1541.0	1525.9	1483.8	1436.1	1376.6	1306.3	1226.0	1149.5	1072.3	990.7	921.6
132.5°	1273.1	1262.0	1231.3	1196.6	1153.5	1102.8	1045.0	986.0	929.6	869.4	808.9
135°	1060.3	1052.8	1030.9	1006.0	975.0	938.3	896.4	855.6	802.3	750.0	696.7
137.5°	889.7	885.0	868.7	849.6	825.1	795.4	760.7	721.3	684.7	647.3	608.5
140°	741.1	737.5	724.3	709.3	690.4	667.9	642.4	614.0	586.7	560.8	533.4
142.5°	603.6	603.0	595.7	587.0	575.3	561.0	544.3	525.4	505.2	487.5	469.1
145°	498.1	499.3	495.2	490.0	482.7	473.4	462.4	450.0	436.3	423.9	411.5
147.5°	405.4	408.6	407.7	405.9	402.4	397.4	391.1	383.5	375.0	366.5	358.7
150°	325.6	330.4	332.2	333.4	333.3	331.9	329.3	325.6	320.9	315.2	312.5
152.5°	264.2	269.5	273.3	276.7	279.3	281.1	282.0	282.0	281.2	279.6	277.5
155°	232.1	236.7	240.4	243.7	246.5	248.6	250.0	250.6	250.3	249.2	247.1
157.5°	213.7	216.8	219.9	221.6	223.5	224.9	225.7	225.9	225.5	224.5	222.7
160°	200.9	202.6	204.4	205.4	206.4	207.1	207.5	207.4	206.8	205.7	204.1
162.5°	194.5	195.0	195.5	194.4	193.7	192.6	191.1	189.2	187.0	184.4	181.5
165°	168.8	169.2	169.5	168.2	167.2	166.0	164.4	162.6	160.5	158.2	155.6
167.5°	134.8	135.5	136.2	135.6	135.3	134.7	133.9	132.8	131.4	129.8	128.0
170°	102.7	103.5	104.4	105.2	104.4	104.3	104.0	103.6	102.9	102.1	101.1
172.5°	76.1	76.8	77.5	78.2	77.6	77.6	77.4	77.0	76.5	75.8	74.9
175°	46.8	47.3	47.9	48.4	48.9	48.1	48.1	48.0	47.7	47.4	46.9
177.5°	20.2	20.5	20.7	21.0	21.3	21.5	21.8	21.2	21.2	21.1	21.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	20.9	20.7	20.5	20.3	20.0	19.7	19.3	18.9	18.5	18.1	17.6
5°	46.4	45.7	45.0	44.2	43.2	42.2	41.1	39.9	38.6	37.2	35.8
7.5°	73.9	72.8	71.5	70.0	68.5	66.7	64.9	62.9	60.8	58.7	56.5
10°	99.9	98.6	97.0	95.3	93.5	91.5	89.2	86.5	83.7	80.7	77.6
12.5°	126.0	123.7	121.3	118.7	116.0	113.5	110.8	107.9	104.9	101.7	98.3
15°	152.8	149.9	146.7	143.4	139.9	136.3	132.5	128.5	124.4	120.5	116.5
17.5°	178.2	174.6	170.6	166.5	162.3	158.0	153.6	149.0	144.2	139.3	134.3
20°	201.9	198.3	193.7	188.8	183.5	177.8	172.4	167.3	162.1	156.9	151.4
22.5°	220.4	217.8	214.5	210.3	205.4	199.2	192.4	185.2	177.8	171.9	166.3
25°	244.9	241.8	237.6	232.5	226.9	220.6	213.3	205.1	196.6	187.8	179.5
27.5°	274.8	270.9	265.8	259.9	253.3	245.6	238.0	227.5	217.1	206.0	195.7
30°	308.8	304.2	299.5	292.1	284.1	274.6	264.8	253.7	243.4	234.2	224.8
32.5°	350.0	340.7	333.4	326.4	318.3	308.3	297.5	286.5	276.0	265.2	255.2
35°	398.6	386.0	374.7	362.9	352.1	342.5	332.2	320.1	307.7	295.8	284.0
37.5°	450.0	433.9	418.6	405.3	390.2	376.0	363.9	352.1	339.2	325.6	312.5
40°	506.7	485.1	464.9	447.0	429.8	413.0	397.2	382.2	368.9	354.9	340.3
42.5°	575.0	545.0	516.4	493.6	472.2	451.2	431.6	414.3	397.4	382.7	367.5
45°	655.6	612.7	576.9	543.4	515.6	490.0	467.8	446.1	427.5	409.5	393.5
47.5°	748.9	692.0	644.2	598.8	563.1	531.2	503.9	479.7	456.8	437.1	418.7
50°	850.8	783.5	718.3	663.7	613.6	574.5	541.1	512.6	487.5	464.1	443.6
52.5°	953.9	875.8	800.2	731.9	672.0	618.4	579.1	546.0	518.3	491.4	479.5
55°	1070.7	969.2	882.8	801.2	731.6	669.9	615.4	579.9	557.2	540.2	530.1
57.5°	1197.4	1072.4	965.6	873.0	789.5	721.7	668.1	627.5	600.8	584.0	575.3
60°	1327.4	1182.7	1052.3	942.5	857.0	784.6	724.6	673.5	643.3	624.6	615.9
62.5°	1458.4	1289.3	1147.4	1030.5	930.3	844.7	778.9	724.0	682.8	660.0	652.0
65°	1578.5	1410.3	1250.5	1116.9	1005.4	909.1	828.8	768.6	721.1	695.6	686.7
67.5°	1695.3	1521.8	1354.8	1203.1	1074.6	967.5	878.3	812.3	761.9	729.5	717.4
70°	1771.2	1614.1	1450.0	1279.9	1142.5	1026.9	928.9	851.6	797.7	760.1	744.7
72.5°	1842.0	1684.3	1515.0	1351.5	1202.3	1078.5	973.4	888.4	829.6	790.9	773.6
75°	1886.5	1748.3	1566.5	1407.2	1250.1	1123.8	1016.7	926.8	864.8	823.0	800.6
77.5°	1925.1	1801.8	1608.5	1450.0	1299.5	1170.0	1060.5	966.7	897.8	853.0	826.8
80°	1947.7	1830.3	1660.4	1487.8	1339.7	1206.7	1097.6	1001.9	927.7	881.0	852.2
82.5°	1967.1	1854.6	1695.8	1514.9	1368.8	1234.5	1128.5	1032.4	954.8	907.3	876.9
85°	1978.1	1872.0	1715.3	1531.5	1387.5	1254.2	1153.5	1058.5	979.4	931.9	900.9
87.5°	1980.6	1886.6	1726.0	1542.6	1400.6	1269.5	1175.3	1082.3	1002.6	955.6	924.7
90°	1974.8	1878.5	1710.7	1535.5	1397.9	1274.1	1187.8	1098.9	1021.8	976.9	947.5
92.5°	1980.6	1886.6	1726.0	1542.6	1400.6	1269.5	1175.3	1082.3	1002.6	955.6	924.7
95°	1978.1	1872.0	1715.3	1531.5	1387.5	1254.2	1153.5	1058.5	979.4	931.9	900.9
97.5°	1967.1	1854.6	1695.8	1514.9	1368.8	1234.5	1128.5	1032.4	954.8	907.3	876.9
100°	1947.7	1830.3	1660.4	1487.8	1339.7	1206.7	1097.6	1001.9	927.7	881.0	852.2
102.5°	1925.1	1801.8	1608.5	1450.0	1299.5	1170.0	1060.5	966.7	897.8	853.0	826.8
105°	1886.5	1748.3	1566.5	1407.2	1250.1	1123.8	1016.7	926.8	864.8	823.0	800.6
107.5°	1842.0	1684.3	1515.0	1351.5	1202.3	1078.5	973.4	888.4	829.6	790.9	773.6
110°	1771.2	1614.1	1450.0	1279.9	1142.5	1026.9	928.9	851.6	797.7	760.1	744.7



TEST NUMBER: P232082

CATALOG NUMBER: FVS4WM-3-LD4-40-2STD-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°	1695.3	1521.8	1354.8	1203.1	1074.6	967.5	878.3	812.3	761.9	729.5	717.4
115°	1578.5	1410.3	1250.5	1116.9	1005.4	909.1	828.8	768.6	721.1	695.6	686.7
117.5°	1458.4	1289.3	1147.4	1030.5	930.3	844.7	778.9	724.0	682.8	660.0	652.0
120°	1327.4	1182.7	1052.3	942.5	857.0	784.5	724.6	673.5	643.3	624.6	615.9
122.5°	1197.4	1072.4	965.6	873.0	789.5	721.7	668.1	627.5	600.8	584.0	575.3
125°	1070.7	969.2	882.8	801.2	731.6	669.9	615.4	579.9	557.2	540.2	530.1
127.5°	953.9	875.8	800.2	731.9	672.0	618.4	579.1	546.0	518.3	491.4	479.5
130°	850.8	783.5	718.3	663.7	613.6	574.5	541.1	512.6	487.5	464.1	443.6
132.5°	748.9	692.0	644.2	598.8	563.1	531.2	503.9	479.7	456.8	437.1	418.7
135°	655.6	612.7	576.9	543.4	515.6	490.0	467.8	446.1	427.5	409.5	393.5
137.5°	575.0	545.0	516.4	493.6	472.2	451.2	431.6	414.3	397.4	382.7	367.5
140°	506.7	485.1	464.9	447.0	429.8	413.0	397.2	382.2	368.9	354.9	340.3
142.5°	450.0	433.9	418.6	405.3	390.2	376.0	363.9	352.1	339.2	325.6	312.5
145°	398.6	386.0	374.7	362.9	352.1	342.5	332.2	320.1	307.7	295.8	284.0
147.5°	350.0	340.7	333.4	326.4	318.3	308.3	297.5	286.5	276.0	265.2	255.2
150°	308.8	304.2	299.5	292.1	284.1	274.6	264.8	253.7	243.4	234.2	224.8
152.5°	274.8	270.9	265.8	259.9	253.3	245.6	238.0	227.5	217.1	206.0	195.7
155°	244.9	241.8	237.6	232.5	226.9	220.6	213.3	205.1	196.6	187.8	179.5
157.5°	220.4	217.8	214.5	210.3	205.4	199.2	192.4	185.2	177.8	171.9	166.3
160°	201.9	198.3	193.7	188.8	183.5	177.8	172.4	167.3	162.1	156.9	151.4
162.5°	178.2	174.6	170.6	166.5	162.3	158.0	153.6	149.0	144.2	139.3	134.3
165°	152.8	149.9	146.7	143.4	139.9	136.3	132.5	128.5	124.4	120.5	116.5
167.5°	126.0	123.7	121.3	118.7	116.0	113.5	110.8	107.9	104.9	101.7	98.3
170°	99.9	98.6	97.0	95.3	93.5	91.5	89.2	86.5	83.7	80.7	77.6
172.5°	73.9	72.8	71.5	70.0	68.5	66.7	64.9	62.9	60.8	58.7	56.5
175°	46.4	45.7	45.0	44.2	43.2	42.2	41.1	39.9	38.6	37.2	35.8
177.5°	20.9	20.7	20.5	20.3	20.0	19.7	19.3	18.9	18.5	18.1	17.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	17.1	16.5	15.9	15.3	14.7	14.0	13.3	12.6	11.9	11.1	10.4
5°	34.2	32.6	31.0	29.7	28.5	27.1	25.8	24.4	22.9	21.4	19.8
7.5°	54.2	51.8	49.3	46.7	44.0	41.2	38.3	36.0	33.9	31.6	29.3
10°	74.4	71.0	67.7	64.0	60.4	56.7	52.9	49.0	45.0	41.8	38.7
12.5°	94.4	90.2	85.9	81.4	76.8	72.1	67.3	62.5	57.5	52.4	48.1
15°	112.4	108.1	104.3	98.4	92.9	87.3	81.6	75.8	69.9	63.9	57.7
17.5°	129.9	124.3	119.3	114.1	108.5	102.1	95.6	88.9	82.1	75.1	68.0
20°	145.7	140.0	134.2	128.4	122.5	116.4	109.2	101.7	94.1	86.3	78.2
22.5°	160.7	154.6	148.3	142.0	135.5	128.9	122.2	114.1	105.8	97.3	88.3
25°	173.0	167.2	161.2	154.5	150.4	146.0	141.2	135.8	128.8	121.3	112.9
27.5°	188.9	185.1	182.8	180.1	176.2	172.0	167.3	162.3	155.9	148.1	139.5
30°	217.6	210.9	206.2	203.8	200.9	196.8	192.4	187.7	183.0	174.5	166.2
32.5°	245.3	237.4	230.7	226.3	223.9	220.7	216.5	212.1	207.4	200.4	191.8
35°	273.2	263.1	255.4	249.0	245.7	243.4	239.8	236.1	231.4	225.9	217.2
37.5°	299.9	288.9	278.8	272.3	267.1	264.8	262.2	258.6	254.8	250.7	242.3
40°	326.5	313.2	302.8	293.7	288.6	285.3	283.7	280.7	277.4	274.1	267.0
42.5°	352.1	338.0	325.0	315.6	309.2	305.2	304.1	302.2	299.4	296.8	291.4
45°	377.4	361.6	347.6	336.5	328.3	325.2	323.8	323.0	321.0	319.1	315.5
47.5°	401.4	385.0	369.7	356.5	348.0	347.5	350.9	352.4	350.1	345.8	340.0
50°	425.1	409.7	406.9	407.5	408.0	405.7	401.0	395.4	386.8	376.2	365.5
52.5°	473.0	470.4	471.0	474.3	477.2	469.3	456.4	441.9	426.1	408.3	391.9
55°	526.0	526.8	530.7	537.3	547.0	536.5	516.2	491.9	468.0	442.7	419.6
57.5°	573.8	578.3	586.5	597.3	611.3	606.3	580.2	544.9	512.2	479.0	448.5
60°	616.4	625.4	638.6	654.3	672.7	678.6	647.8	601.0	558.9	517.0	478.5
62.5°	655.9	668.8	687.1	708.3	731.5	753.1	717.4	661.0	607.6	556.5	509.4
65°	691.7	708.1	732.2	759.5	788.1	819.8	786.7	723.3	658.0	597.1	541.0
67.5°	723.5	744.0	774.5	808.3	843.1	880.4	857.4	787.6	709.8	638.7	573.3
70°	752.6	778.0	814.5	852.7	886.5	917.3	896.2	818.8	731.2	652.7	581.1
72.5°	777.4	797.3	829.8	867.3	898.3	919.4	902.6	827.9	739.7	659.6	584.8
75°	797.8	811.9	842.4	882.2	912.9	925.2	908.1	835.1	747.1	666.0	588.1
77.5°	819.4	827.8	855.1	897.7	930.0	933.9	912.6	840.7	753.5	671.7	590.9
80°	842.0	845.0	868.3	913.7	949.0	944.9	916.2	844.7	758.9	676.9	593.1
82.5°	865.3	863.2	882.1	930.5	969.4	957.4	918.8	847.1	763.3	681.3	597.1
85°	889.0	882.2	896.7	948.1	990.7	972.6	922.6	850.4	768.6	686.7	597.1
87.5°	913.0	901.6	911.7	966.0	1012.6	984.8	921.3	848.5	769.5	688.2	597.1
90°	936.5	921.8	929.2	986.0	1033.7	997.1	920.0	846.6	770.5	689.8	597.1
92.5°	913.0	901.6	911.7	966.0	1012.6	984.8	921.3	848.5	769.5	688.2	597.1
95°	889.0	882.2	896.7	948.1	990.7	972.6	922.6	850.4	768.6	686.7	597.1
97.5°	865.3	863.2	882.1	930.5	969.4	957.4	918.8	847.1	763.3	681.3	597.1
100°	842.0	845.0	868.3	913.7	949.0	944.9	916.2	844.7	758.9	676.9	593.1
102.5°	819.4	827.8	855.1	897.7	930.0	933.9	912.6	840.7	753.5	671.7	590.9
105°	797.8	811.9	842.4	882.2	912.9	925.2	908.1	835.1	747.1	666.0	588.1
107.5°	777.4	797.3	829.8	867.3	898.3	919.4	902.6	827.9	739.7	659.6	584.8
110°	752.6	778.0	814.5	852.7	886.5	917.3	896.2	818.8	731.2	652.7	581.1



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	723.5	744.0	774.5	808.3	843.1	880.4	857.4	787.6	709.8	638.7	573.3
115°	691.7	708.1	732.2	759.5	788.1	819.8	786.7	723.3	658.0	597.1	541.0
117.5°	655.9	668.8	687.1	708.3	731.5	753.1	717.4	661.0	607.6	556.5	509.4
120°	616.4	625.4	638.6	654.3	672.7	678.6	647.8	601.0	558.9	517.0	478.5
122.5°	573.8	578.3	586.5	597.3	611.3	606.3	580.2	544.9	512.2	479.0	448.5
125°	526.0	526.8	530.7	537.3	547.0	536.5	516.2	491.9	468.0	442.7	419.6
127.5°	473.0	470.4	471.0	474.3	477.2	469.3	456.4	441.9	426.1	408.3	391.9
130°	425.1	409.7	406.9	407.5	408.0	405.7	401.0	395.4	386.8	376.2	365.5
132.5°	401.4	385.0	369.7	356.5	348.0	347.5	350.9	352.4	350.1	345.8	340.0
135°	377.4	361.6	347.6	336.5	328.3	325.2	323.8	323.0	321.0	319.1	315.5
137.5°	352.1	338.0	325.0	315.6	309.2	305.2	304.1	302.2	299.4	296.8	291.4
140°	326.5	313.2	302.8	293.7	288.6	285.3	283.7	280.7	277.4	274.1	267.0
142.5°	299.9	288.9	278.8	272.3	267.1	264.8	262.2	258.6	254.8	250.7	242.3
145°	273.2	263.1	255.4	249.0	245.8	243.4	239.8	236.1	231.4	225.9	217.2
147.5°	245.3	237.4	230.7	226.3	223.9	220.7	216.5	212.1	207.4	200.4	191.8
150°	217.6	210.9	206.2	203.8	200.9	196.8	192.4	187.7	183.0	174.5	166.2
152.5°	188.9	185.1	182.8	180.1	176.2	172.0	167.3	162.3	155.9	148.1	139.5
155°	173.0	167.2	161.2	154.5	150.4	146.0	141.2	135.8	128.8	121.3	112.9
157.5°	160.7	154.6	148.3	142.0	135.5	128.9	122.2	114.1	105.8	97.3	88.3
160°	145.7	140.0	134.2	128.4	122.5	116.4	109.2	101.7	94.1	86.3	78.2
162.5°	129.9	124.3	119.3	114.1	108.5	102.1	95.6	88.9	82.1	75.1	68.0
165°	112.4	108.1	104.3	98.4	92.9	87.3	81.6	75.8	69.9	63.9	57.7
167.5°	94.4	90.2	85.9	81.4	76.8	72.1	67.3	62.5	57.5	52.4	48.1
170°	74.4	71.0	67.7	64.0	60.4	56.7	52.9	49.0	45.0	41.8	38.7
172.5°	54.2	51.8	49.3	46.7	44.0	41.2	38.3	36.0	33.9	31.6	29.3
175°	34.2	32.6	31.0	29.7	28.5	27.1	25.8	24.4	22.9	21.4	19.8
177.5°	17.1	16.5	15.9	15.3	14.7	14.0	13.3	12.6	11.9	11.1	10.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	9.6	8.8	8.0	7.1	7.1	7.0	6.9	6.9	6.8	6.6	6.5
5°	18.3	16.7	15.0	13.3	13.2	13.1	12.9	12.8	12.6	12.3	12.1
7.5°	26.9	24.5	22.1	19.6	19.4	19.2	18.9	18.6	18.3	18.0	17.6
10°	35.6	32.4	29.1	25.8	25.5	25.2	24.9	24.5	24.1	23.6	23.3
12.5°	44.2	40.2	36.1	32.0	31.7	31.3	30.8	30.3	29.8	29.4	28.9
15°	52.8	48.0	43.2	38.2	37.8	37.3	36.7	36.1	35.7	35.2	34.6
17.5°	61.4	55.8	50.2	44.5	43.9	43.3	42.6	42.0	41.5	40.9	40.2
20°	70.1	63.6	57.2	50.7	50.0	49.3	48.5	47.9	47.3	46.6	46.0
22.5°	79.3	71.4	64.2	56.9	56.1	55.3	54.4	53.8	53.0	52.4	51.8
25°	103.9	95.3	87.6	79.5	77.9	75.9	73.8	71.6	69.2	66.9	64.4
27.5°	129.7	119.8	111.2	102.1	99.7	96.8	93.8	90.6	87.3	84.0	80.5
30°	155.4	144.3	134.8	124.8	121.3	117.5	113.4	109.0	104.7	100.3	95.7
32.5°	181.0	169.1	158.4	147.4	142.9	138.0	132.6	127.1	121.5	115.9	110.2
35°	206.6	193.9	182.0	170.0	164.3	158.2	151.5	144.6	137.7	130.8	124.0
37.5°	232.0	218.6	205.6	192.6	185.7	178.1	169.9	161.6	153.5	145.2	136.8
40°	257.4	243.2	229.2	215.3	207.0	197.9	188.1	178.2	168.4	159.0	148.9
42.5°	282.5	267.8	252.8	237.9	228.1	217.5	206.3	194.4	183.1	172.6	160.2
45°	306.8	292.3	276.4	260.5	249.2	236.8	223.6	210.1	197.4	184.6	171.0
47.5°	327.3	309.5	290.3	272.1	258.6	244.2	229.5	215.4	202.8	190.0	176.5
50°	348.2	326.7	304.1	283.7	267.8	250.8	234.0	218.4	204.7	191.3	177.1
52.5°	370.0	344.4	318.0	295.4	276.8	257.1	238.3	221.4	206.4	192.8	178.4
55°	392.6	362.3	331.9	307.0	285.7	263.3	242.5	224.3	208.3	194.6	180.4
57.5°	415.9	380.5	345.9	318.6	294.6	269.3	246.6	227.2	210.5	196.7	183.1
60°	439.8	399.0	360.0	330.2	303.4	275.1	250.6	229.9	212.9	199.2	186.9
62.5°	464.3	417.7	374.1	341.9	312.1	280.9	254.6	232.7	215.5	202.3	190.4
65°	489.2	436.5	388.1	353.5	320.7	286.5	258.5	235.4	218.3	205.8	194.9
67.5°	514.4	455.4	402.2	365.1	329.4	292.1	262.5	238.2	221.3	209.7	199.9
70°	519.4	459.0	405.0	364.4	326.7	288.8	259.5	235.8	220.0	209.3	200.8
72.5°	522.5	461.9	407.7	363.7	324.0	285.3	256.1	233.0	217.8	207.4	199.2
75°	525.2	464.5	412.1	362.9	321.3	282.0	252.9	230.4	215.7	205.6	197.9
77.5°	527.4	466.8	414.4	362.2	318.6	278.8	249.9	228.0	213.8	203.9	196.8
80°	529.3	470.6	416.6	361.5	316.0	275.8	247.1	225.9	212.0	202.3	195.9
82.5°	532.3	471.7	418.9	360.8	313.5	272.9	244.5	223.9	210.4	200.9	195.1
85°	532.5	472.8	421.1	360.0	311.1	270.1	242.0	222.2	209.0	199.5	194.5
87.5°	532.7	474.0	423.4	359.3	308.7	267.5	239.7	220.6	207.6	198.3	194.0
90°	532.9	475.1	425.6	358.6	306.4	265.1	237.6	219.2	206.4	197.2	193.5
92.5°	532.7	474.0	423.4	359.3	308.7	267.5	239.7	220.6	207.6	198.3	194.0
95°	532.5	472.8	421.1	360.0	311.1	270.1	242.0	222.2	209.0	199.5	194.5
97.5°	532.3	471.7	418.9	360.8	313.5	272.9	244.5	223.9	210.4	200.9	195.1
100°	529.3	470.6	416.6	361.5	316.0	275.8	247.1	225.9	212.0	202.3	195.9
102.5°	527.4	466.8	414.4	362.2	318.6	278.8	249.9	228.0	213.8	203.9	196.8
105°	525.2	464.5	412.1	362.9	321.3	282.0	252.9	230.4	215.7	205.6	197.9
107.5°	522.5	461.9	407.7	363.7	324.0	285.3	256.1	233.0	217.8	207.4	199.2
110°	519.4	459.0	405.0	364.4	326.7	288.8	259.5	235.8	220.0	209.3	200.8



TEST NUMBER: P232082

CATALOG NUMBER: FVS4WM-3-LD4-40-2STD-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°	514.4	455.4	402.2	365.1	329.4	292.1	262.5	238.2	221.3	209.7	199.9
115°	489.2	436.5	388.1	353.5	320.7	286.5	258.5	235.4	218.3	205.8	194.9
117.5°	464.3	417.7	374.1	341.9	312.1	280.9	254.6	232.7	215.5	202.3	190.4
120°	439.8	399.0	360.0	330.2	303.4	275.1	250.6	229.9	212.9	199.2	186.9
122.5°	415.9	380.5	345.9	318.6	294.6	269.3	246.6	227.2	210.5	196.7	183.1
125°	392.6	362.3	331.9	307.0	285.7	263.3	242.5	224.3	208.3	194.6	180.4
127.5°	370.0	344.4	318.0	295.4	276.8	257.1	238.3	221.4	206.4	192.8	178.4
130°	348.2	326.7	304.1	283.7	267.8	250.8	234.0	218.4	204.7	191.3	177.1
132.5°	327.3	309.5	290.3	272.1	258.6	244.2	229.5	215.4	202.8	190.0	176.5
135°	306.8	292.3	276.4	260.5	249.2	236.8	223.6	210.1	197.4	184.6	171.0
137.5°	282.5	267.8	252.8	237.9	228.1	217.5	206.3	194.4	183.1	172.6	160.2
140°	257.4	243.2	229.2	215.3	207.0	197.9	188.1	178.2	168.4	159.0	148.9
142.5°	232.0	218.6	205.6	192.6	185.7	178.1	169.9	161.6	153.5	145.2	136.8
145°	206.6	193.9	182.0	170.0	164.3	158.2	151.5	144.6	137.7	130.8	124.0
147.5°	181.0	169.1	158.4	147.4	142.9	138.0	132.6	127.1	121.5	115.9	110.2
150°	155.4	144.3	134.8	124.8	121.3	117.5	113.4	109.0	104.7	100.3	95.7
152.5°	129.7	119.8	111.2	102.1	99.7	96.8	93.8	90.6	87.3	84.0	80.5
155°	103.9	95.3	87.6	79.5	77.9	75.9	73.8	71.6	69.2	66.9	64.4
157.5°	79.3	71.4	64.2	56.9	56.1	55.3	54.4	53.8	53.0	52.4	51.8
160°	70.1	63.6	57.2	50.7	50.0	49.3	48.5	47.9	47.3	46.6	46.0
162.5°	61.4	55.8	50.2	44.5	43.9	43.3	42.6	42.0	41.5	40.9	40.2
165°	52.8	48.0	43.2	38.2	37.8	37.3	36.7	36.1	35.7	35.2	34.6
167.5°	44.2	40.2	36.1	32.0	31.7	31.3	30.8	30.3	29.8	29.4	28.9
170°	35.6	32.4	29.1	25.8	25.5	25.2	24.9	24.5	24.1	23.6	23.3
172.5°	26.9	24.5	22.1	19.6	19.4	19.2	18.9	18.6	18.3	18.0	17.6
175°	18.3	16.7	15.0	13.3	13.2	13.1	12.9	12.8	12.6	12.3	12.1
177.5°	9.6	8.8	8.0	7.1	7.1	7.0	6.9	6.9	6.8	6.6	6.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.6
5°	11.8	11.6	11.3	10.9	10.6	10.3	10.0	9.7	9.3	9.0	8.6
7.5°	17.2	16.9	16.6	16.2	15.8	15.3	14.9	14.4	13.9	13.3	12.8
10°	22.9	22.4	21.9	21.4	20.9	20.3	19.8	19.1	18.5	17.8	17.1
12.5°	28.4	27.9	27.3	26.7	26.1	25.5	24.7	24.0	23.1	22.2	21.2
15°	34.0	33.4	32.8	32.1	31.4	30.5	29.6	28.6	27.5	26.4	25.3
17.5°	39.7	39.0	38.3	37.4	36.4	35.4	34.3	33.1	31.9	30.6	29.3
20°	45.4	44.7	43.7	42.6	41.4	40.2	38.9	37.6	36.2	34.9	33.5
22.5°	51.1	50.0	48.9	47.6	46.3	45.0	43.6	42.3	40.9	39.5	37.8
25°	61.6	58.7	55.6	52.7	51.2	49.9	48.6	47.2	45.5	43.6	41.7
27.5°	76.8	73.0	69.0	65.2	61.5	58.1	54.8	51.7	49.7	48.0	46.2
30°	91.1	86.1	81.2	76.4	71.8	67.4	63.1	59.3	56.1	53.1	50.2
32.5°	104.3	98.2	92.1	86.1	80.3	74.8	69.9	65.7	61.8	57.8	54.1
35°	116.6	109.2	101.5	94.1	87.2	80.9	75.5	70.5	65.6	61.4	58.0
37.5°	128.0	118.7	109.4	100.8	92.8	86.0	79.7	73.8	68.8	64.9	61.2
40°	138.4	127.0	116.3	106.2	97.7	89.8	82.7	76.7	72.1	67.8	63.8
42.5°	147.5	134.1	122.1	111.1	101.3	92.8	85.2	79.9	75.0	70.4	66.2
45°	155.5	140.6	126.8	115.0	104.4	94.9	88.4	82.6	77.5	72.8	68.3
47.5°	160.8	145.8	131.2	118.0	106.8	97.9	91.0	85.3	80.0	75.1	71.0
50°	161.8	147.4	133.9	121.2	109.5	100.9	93.9	87.9	82.4	77.9	73.6
52.5°	163.9	149.9	137.0	125.4	115.6	107.6	100.3	92.7	85.2	80.7	76.2
55°	166.7	153.5	141.1	130.3	122.6	115.8	109.0	101.8	94.3	86.6	79.2
57.5°	170.1	157.7	146.4	137.0	130.4	124.8	118.6	111.3	103.1	93.9	85.6
60°	174.3	162.5	152.5	144.9	139.5	134.7	128.9	120.7	110.5	100.1	90.7
62.5°	179.0	167.9	159.2	153.4	149.4	145.2	139.0	129.6	116.9	105.3	95.1
65°	184.4	174.3	166.5	162.5	159.9	156.2	148.7	136.7	122.6	109.8	98.6
67.5°	190.2	181.3	175.2	172.3	171.0	167.8	158.3	143.2	127.8	113.9	101.4
70°	192.6	185.8	182.3	182.1	182.3	178.7	167.6	149.3	132.4	117.5	103.8
72.5°	191.6	185.6	182.4	182.2	183.2	180.7	170.4	153.6	136.8	120.7	105.9
75°	190.9	185.6	182.5	182.2	182.9	179.8	169.6	154.3	138.3	122.6	107.7
77.5°	190.4	185.7	182.4	182.0	182.6	179.7	170.0	156.1	140.3	124.5	109.7
80°	190.2	185.9	182.2	181.6	182.4	180.2	171.5	158.7	142.8	127.0	112.2
82.5°	190.2	186.3	182.0	181.2	182.2	181.1	173.9	162.2	145.9	130.1	115.3
85°	190.3	186.8	181.8	180.8	182.0	182.4	177.0	166.3	149.6	133.8	119.0
87.5°	190.5	187.4	181.7	180.3	181.8	183.8	180.6	171.0	153.8	138.2	123.4
90°	190.8	188.0	181.6	179.8	181.6	185.3	184.4	176.1	158.7	143.1	128.4
92.5°	190.5	187.4	181.7	180.3	181.8	183.8	180.6	171.0	153.8	138.2	123.4
95°	190.3	186.8	181.8	180.8	182.0	182.4	177.0	166.3	149.6	133.8	119.0
97.5°	190.2	186.3	182.0	181.2	182.2	181.1	173.9	162.2	145.9	130.1	115.3
100°	190.2	185.9	182.2	181.6	182.4	180.2	171.5	158.7	142.8	127.0	112.2
102.5°	190.4	185.7	182.4	182.0	182.6	179.7	170.0	156.1	140.3	124.5	109.7
105°	190.9	185.6	182.5	182.2	182.9	179.8	169.6	154.3	138.3	122.6	107.7
107.5°	191.6	185.6	182.4	182.2	183.2	180.7	170.4	153.6	136.8	120.7	105.9
110°	192.6	185.8	182.3	182.1	182.3	178.7	167.6	149.3	132.4	117.5	103.8



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	190.2	181.3	175.2	172.3	171.0	167.8	158.3	143.2	127.8	113.9	101.4
115°	184.4	174.3	166.5	162.5	159.9	156.2	148.7	136.7	122.6	109.8	98.6
117.5°	179.0	167.9	159.2	153.4	149.4	145.2	139.0	129.6	116.9	105.3	95.1
120°	174.3	162.5	152.5	144.9	139.5	134.7	128.9	120.7	110.5	100.1	90.7
122.5°	170.1	157.7	146.4	137.0	130.4	124.8	118.6	111.3	103.1	93.9	85.6
125°	166.7	153.5	141.1	130.3	122.6	115.8	109.0	101.8	94.3	86.6	79.2
127.5°	163.9	149.9	137.0	125.4	115.6	107.6	100.3	92.7	85.2	80.7	76.2
130°	161.8	147.4	133.9	121.2	109.5	100.9	93.9	87.9	82.4	77.9	73.6
132.5°	160.8	145.8	131.2	118.0	106.8	97.9	91.0	85.3	80.0	75.1	71.0
135°	155.5	140.6	126.8	115.0	104.4	94.9	88.4	82.6	77.5	72.8	68.3
137.5°	147.5	134.1	122.1	111.1	101.3	92.8	85.2	79.9	75.0	70.4	66.2
140°	138.4	127.0	116.3	106.2	97.7	89.8	82.7	76.7	72.1	67.8	63.8
142.5°	128.0	118.7	109.4	100.8	92.8	86.0	79.7	73.8	68.8	64.9	61.2
145°	116.6	109.2	101.5	94.1	87.2	80.9	75.5	70.5	65.6	61.4	58.0
147.5°	104.3	98.2	92.1	86.1	80.3	74.8	69.9	65.7	61.8	57.8	54.1
150°	91.1	86.1	81.2	76.4	71.8	67.4	63.1	59.3	56.1	53.1	50.2
152.5°	76.8	73.0	69.0	65.2	61.5	58.1	54.8	51.7	49.7	48.0	46.2
155°	61.6	58.7	55.6	52.7	51.2	49.9	48.6	47.2	45.5	43.6	41.7
157.5°	51.1	50.0	48.9	47.6	46.3	45.0	43.6	42.3	40.9	39.5	37.8
160°	45.4	44.7	43.7	42.6	41.4	40.2	38.9	37.6	36.2	34.9	33.5
162.5°	39.7	39.0	38.3	37.4	36.4	35.4	34.3	33.1	31.9	30.6	29.3
165°	34.0	33.4	32.8	32.1	31.4	30.5	29.6	28.6	27.5	26.4	25.3
167.5°	28.4	27.9	27.3	26.7	26.1	25.5	24.7	24.0	23.1	22.2	21.2
170°	22.9	22.4	21.9	21.4	20.9	20.3	19.8	19.1	18.5	17.8	17.1
172.5°	17.2	16.9	16.6	16.2	15.8	15.3	14.9	14.4	13.9	13.3	12.8
175°	11.8	11.6	11.3	10.9	10.6	10.3	10.0	9.7	9.3	9.0	8.6
177.5°	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	4.4	4.2	3.9	3.7	3.4	3.2	2.9	2.7	2.4	2.1	1.9
5°	8.2	7.8	7.4	6.9	6.5	6.0	5.6	5.1	4.6	4.1	3.6
7.5°	12.2	11.6	11.0	10.4	9.7	9.1	8.4	7.7	6.9	6.2	5.5
10°	16.3	15.5	14.7	13.8	12.9	12.0	11.1	10.1	9.2	8.2	7.2
12.5°	20.3	19.2	18.2	17.1	16.0	14.9	13.7	12.5	11.3	10.1	8.9
15°	24.1	22.9	21.6	20.3	19.0	17.7	16.4	15.0	13.6	12.2	10.7
17.5°	28.0	26.6	25.3	23.8	22.3	20.8	19.2	17.5	15.9	14.2	12.4
20°	32.1	30.6	28.9	27.2	25.4	23.6	21.8	20.0	18.1	16.2	14.3
22.5°	36.0	34.2	32.3	30.5	28.7	26.7	24.7	22.6	20.4	18.1	15.9
25°	39.9	38.1	36.2	34.1	31.7	29.3	26.9	24.5	22.2	19.8	17.4
27.5°	44.3	41.8	39.3	36.7	34.3	31.8	29.4	26.9	24.2	21.6	18.9
30°	47.5	44.8	42.3	39.8	37.2	34.4	31.6	28.8	25.9	23.0	20.2
32.5°	51.1	48.3	45.6	42.6	39.6	36.6	33.6	30.5	27.5	24.4	21.4
35°	54.8	51.5	48.3	45.1	41.9	38.6	35.4	32.2	29.0	25.7	22.4
37.5°	57.5	54.0	50.6	47.3	44.1	40.7	37.2	33.6	30.0	26.5	23.1
40°	59.9	56.2	52.7	49.3	45.8	42.1	38.3	34.6	31.1	27.6	24.0
42.5°	62.1	58.4	54.9	51.0	47.1	43.4	39.7	36.0	32.0	28.2	24.5
45°	64.5	60.7	56.6	52.6	48.7	44.8	40.7	36.6	32.8	29.1	25.5
47.5°	66.9	62.7	58.5	54.4	50.2	45.9	41.7	37.7	33.8	30.0	26.3
50°	69.2	64.8	60.5	56.1	51.6	47.2	42.9	38.9	34.9	30.9	27.0
52.5°	71.6	67.1	62.4	57.7	53.0	48.5	44.2	40.0	35.8	32.0	28.3
55°	74.0	69.2	64.3	59.2	54.5	50.0	45.5	41.2	37.4	33.4	29.2
57.5°	78.2	71.6	66.0	60.9	56.1	51.4	47.1	43.0	38.6	34.1	29.4
60°	82.5	74.8	68.2	62.8	57.7	53.2	48.9	44.1	39.1	33.9	29.2
62.5°	85.7	77.2	70.1	64.3	59.5	55.2	50.1	44.5	38.9	33.9	29.2
65°	88.1	79.0	71.5	65.3	60.4	55.7	50.7	44.5	39.1	33.7	28.5
67.5°	90.0	80.2	72.5	66.1	60.3	54.6	49.0	44.5	38.8	32.9	27.5
70°	91.5	81.4	73.3	66.3	59.6	52.8	47.3	42.3	37.4	32.0	26.3
72.5°	92.6	82.4	73.8	65.9	58.2	51.2	45.5	40.1	34.9	30.0	25.1
75°	94.1	83.4	74.2	65.2	56.8	49.8	43.8	38.1	32.5	27.4	23.0
77.5°	96.3	84.9	74.5	64.6	55.6	48.5	42.3	36.3	30.5	25.1	20.7
80°	98.7	86.5	75.1	64.4	55.1	47.4	40.9	34.9	28.7	22.9	18.5
82.5°	101.3	88.3	75.8	64.5	54.5	46.1	38.8	32.5	26.6	21.2	16.1
85°	104.2	90.4	76.9	65.1	54.2	45.0	37.1	30.6	24.7	19.8	15.1
87.5°	107.7	93.0	78.4	66.1	54.3	44.2	35.7	29.2	23.5	19.2	15.4
90°	111.9	96.3	80.7	67.9	55.0	44.0	34.9	28.4	22.9	19.3	16.5
92.5°	107.7	93.0	78.4	66.1	54.3	44.2	35.7	29.2	23.5	19.2	15.4
95°	104.2	90.4	76.9	65.1	54.2	45.0	37.1	30.6	24.7	19.8	15.1
97.5°	101.3	88.3	75.8	64.5	54.5	46.1	38.8	32.5	26.6	21.2	16.1
100°	98.7	86.5	75.1	64.4	55.1	47.4	40.9	34.9	28.7	22.9	18.5
102.5°	96.3	84.9	74.5	64.6	55.6	48.5	42.3	36.3	30.5	25.1	20.7
105°	94.1	83.4	74.2	65.2	56.8	49.8	43.8	38.1	32.5	27.4	23.0
107.5°	92.6	82.4	73.8	65.9	58.2	51.2	45.5	40.1	34.9	30.0	25.1
110°	91.5	81.4	73.3	66.3	59.6	52.8	47.3	42.3	37.4	32.0	26.3



TEST NUMBER: P232082

CATALOG NUMBER: FVS4WM-3-LD4-40-2STD-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°	90.0	80.2	72.5	66.1	60.3	54.6	49.0	44.5	38.8	32.9	27.5
115°	88.1	79.0	71.5	65.3	60.4	55.7	50.7	44.5	39.1	33.7	28.5
117.5°	85.7	77.2	70.1	64.3	59.5	55.2	50.1	44.5	38.9	33.9	29.2
120°	82.5	74.8	68.2	62.8	57.7	53.2	48.9	44.1	39.1	33.9	29.2
122.5°	78.2	71.6	66.0	60.9	56.1	51.4	47.1	43.0	38.6	34.1	29.4
125°	74.0	69.2	64.3	59.2	54.5	50.0	45.5	41.2	37.4	33.4	29.2
127.5°	71.6	67.1	62.4	57.7	53.0	48.5	44.2	40.0	35.8	32.0	28.3
130°	69.2	64.8	60.5	56.1	51.6	47.2	42.9	38.9	34.9	30.9	27.0
132.5°	66.9	62.7	58.5	54.4	50.2	45.9	41.7	37.7	33.8	30.0	26.3
135°	64.5	60.7	56.6	52.6	48.7	44.8	40.7	36.6	32.8	29.1	25.5
137.5°	62.1	58.4	54.9	51.0	47.1	43.4	39.7	36.0	32.0	28.2	24.5
140°	59.9	56.2	52.7	49.3	45.8	42.1	38.3	34.6	31.1	27.6	24.0
142.5°	57.5	54.0	50.6	47.3	44.1	40.7	37.2	33.6	30.0	26.5	23.1
145°	54.8	51.5	48.3	45.1	41.9	38.6	35.4	32.2	29.0	25.7	22.4
147.5°	51.1	48.3	45.6	42.6	39.6	36.6	33.6	30.5	27.5	24.4	21.4
150°	47.5	44.8	42.3	39.8	37.2	34.4	31.6	28.8	25.9	23.0	20.2
152.5°	44.3	41.8	39.3	36.7	34.3	31.8	29.4	26.9	24.2	21.6	18.9
155°	39.9	38.1	36.2	34.1	31.7	29.3	26.9	24.5	22.2	19.8	17.4
157.5°	36.0	34.2	32.3	30.5	28.7	26.7	24.7	22.6	20.4	18.1	15.9
160°	32.1	30.6	28.9	27.2	25.4	23.6	21.8	20.0	18.1	16.2	14.3
162.5°	28.0	26.6	25.3	23.8	22.3	20.8	19.2	17.5	15.9	14.2	12.4
165°	24.1	22.9	21.6	20.3	19.0	17.7	16.4	15.0	13.6	12.2	10.7
167.5°	20.3	19.2	18.2	17.1	16.0	14.9	13.7	12.5	11.3	10.1	8.9
170°	16.3	15.5	14.7	13.8	12.9	12.0	11.1	10.1	9.2	8.2	7.2
172.5°	12.2	11.6	11.0	10.4	9.7	9.1	8.4	7.7	6.9	6.2	5.5
175°	8.2	7.8	7.4	6.9	6.5	6.0	5.6	5.1	4.6	4.1	3.6
177.5°	4.4	4.2	3.9	3.7	3.4	3.2	2.9	2.7	2.4	2.1	1.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
7.5°	4.7	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
10°	6.2	5.2	4.2	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.2
12.5°	7.7	6.4	5.1	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.1
15°	9.2	7.7	6.2	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.2
17.5°	10.7	8.9	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
20°	12.3	10.3	8.3	6.2	4.2	2.1	0.0	2.1	4.2	6.2	8.3
22.5°	13.6	11.4	9.1	6.8	4.6	2.3	0.0	2.3	4.6	6.8	9.1
25°	15.0	12.5	10.0	7.5	5.0	2.5	0.0	2.5	5.0	7.5	10.0
27.5°	16.2	13.5	10.8	8.1	5.4	2.7	0.0	2.7	5.4	8.1	10.8
30°	17.3	14.4	11.5	8.6	5.8	2.9	0.0	2.9	5.8	8.6	11.5
32.5°	18.3	15.3	12.2	9.2	6.1	3.1	0.0	3.1	6.1	9.2	12.2
35°	19.1	15.9	12.6	9.5	6.3	3.1	0.0	3.1	6.3	9.5	12.6
37.5°	19.8	16.5	13.2	9.9	6.6	3.3	0.0	3.3	6.6	9.9	13.2
40°	20.4	16.9	13.5	10.1	6.7	3.3	0.0	3.3	6.7	10.1	13.5
42.5°	21.0	17.6	14.2	10.9	7.6	4.2	0.9	4.2	7.6	10.9	14.2
45°	21.9	18.4	14.8	11.3	7.8	4.4	0.9	4.4	7.8	11.3	14.8
47.5°	22.6	18.9	15.2	11.6	8.0	4.5	0.9	4.5	8.0	11.6	15.2
50°	23.2	19.6	15.9	12.2	8.4	4.7	0.9	4.7	8.4	12.2	15.9
52.5°	24.5	20.4	16.5	12.5	8.6	4.8	0.9	4.8	8.6	12.5	16.5
55°	25.0	20.7	16.5	12.5	8.5	4.7	0.9	4.7	8.5	12.5	16.5
57.5°	24.9	20.6	16.5	12.5	8.6	4.7	0.9	4.7	8.6	12.5	16.5
60°	25.0	20.8	16.4	12.3	8.4	4.6	0.9	4.6	8.4	12.3	16.4
62.5°	24.6	20.2	15.9	11.9	8.1	4.4	0.9	4.4	8.1	11.9	15.9
65°	23.7	19.3	15.2	11.3	7.6	4.2	0.9	4.2	7.6	11.3	15.2
67.5°	22.6	18.2	14.5	10.9	7.7	4.7	1.8	4.7	7.7	10.9	14.5
70°	21.3	17.3	13.8	10.7	7.6	4.6	1.8	4.6	7.6	10.7	13.8
72.5°	20.3	16.4	13.1	10.3	7.2	4.4	1.8	4.4	7.2	10.3	13.1
75°	19.6	15.6	12.2	9.2	6.2	3.8	1.8	3.8	6.2	9.2	12.2
77.5°	17.4	14.7	11.3	6.8	2.3	0.4	0.0	0.4	2.3	6.8	11.3
80°	14.6	12.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
82.5°	11.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	10.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	10.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	11.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	14.6	12.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
102.5°	17.4	14.7	11.3	6.8	2.3	0.4	0.0	0.4	2.3	6.8	11.3
105°	19.6	15.6	12.2	9.2	6.2	3.8	1.8	3.8	6.2	9.2	12.2
107.5°	20.3	16.4	13.1	10.3	7.2	4.4	1.8	4.4	7.2	10.3	13.1
110°	21.3	17.3	13.8	10.7	7.6	4.6	1.8	4.6	7.6	10.7	13.8



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	22.6	18.2	14.5	10.9	7.7	4.7	1.8	4.7	7.7	10.9	14.5
115°	23.7	19.3	15.2	11.3	7.6	4.2	0.9	4.2	7.6	11.3	15.2
117.5°	24.6	20.2	15.9	11.9	8.1	4.4	0.9	4.4	8.1	11.9	15.9
120°	25.0	20.8	16.4	12.3	8.4	4.6	0.9	4.6	8.4	12.3	16.4
122.5°	24.9	20.6	16.5	12.5	8.6	4.7	0.9	4.7	8.6	12.5	16.5
125°	25.0	20.7	16.5	12.5	8.5	4.7	0.9	4.7	8.5	12.5	16.5
127.5°	24.5	20.4	16.5	12.5	8.6	4.8	0.9	4.8	8.6	12.5	16.5
130°	23.2	19.6	15.9	12.2	8.4	4.7	0.9	4.7	8.4	12.2	15.9
132.5°	22.6	18.9	15.2	11.6	8.0	4.5	0.9	4.5	8.0	11.6	15.2
135°	21.9	18.4	14.8	11.3	7.8	4.4	0.9	4.4	7.8	11.3	14.8
137.5°	21.0	17.6	14.2	10.9	7.6	4.2	0.9	4.2	7.6	10.9	14.2
140°	20.4	16.9	13.5	10.1	6.7	3.3	0.0	3.3	6.7	10.1	13.5
142.5°	19.8	16.5	13.2	9.9	6.6	3.3	0.0	3.3	6.6	9.9	13.2
145°	19.1	15.9	12.6	9.5	6.3	3.1	0.0	3.1	6.3	9.5	12.6
147.5°	18.3	15.3	12.2	9.2	6.1	3.1	0.0	3.1	6.1	9.2	12.2
150°	17.3	14.4	11.5	8.6	5.8	2.9	0.0	2.9	5.8	8.6	11.5
152.5°	16.2	13.5	10.8	8.1	5.4	2.7	0.0	2.7	5.4	8.1	10.8
155°	15.0	12.5	10.0	7.5	5.0	2.5	0.0	2.5	5.0	7.5	10.0
157.5°	13.6	11.4	9.1	6.8	4.6	2.3	0.0	2.3	4.6	6.8	9.1
160°	12.3	10.3	8.3	6.2	4.2	2.1	0.0	2.1	4.2	6.2	8.3
162.5°	10.7	8.9	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
165°	9.2	7.7	6.2	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.2
167.5°	7.7	6.4	5.1	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.1
170°	6.2	5.2	4.2	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.2
172.5°	4.7	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
175°	3.1	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
177.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.3	1.6	1.9	2.1	2.4	2.7	2.9	3.2	3.4	3.7	3.9
5°	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.0	6.5	6.9	7.4
7.5°	3.9	4.7	5.5	6.2	6.9	7.7	8.4	9.1	9.7	10.4	11.0
10°	5.2	6.2	7.2	8.2	9.2	10.1	11.1	12.0	12.9	13.8	14.7
12.5°	6.4	7.7	8.9	10.1	11.3	12.5	13.7	14.9	16.0	17.1	18.2
15°	7.7	9.2	10.7	12.2	13.6	15.0	16.4	17.7	19.0	20.3	21.6
17.5°	8.9	10.7	12.4	14.2	15.9	17.5	19.2	20.8	22.3	23.8	25.3
20°	10.3	12.3	14.3	16.2	18.1	20.0	21.8	23.6	25.4	27.2	28.9
22.5°	11.4	13.6	15.9	18.1	20.4	22.6	24.7	26.7	28.7	30.5	32.3
25°	12.5	15.0	17.4	19.8	22.2	24.5	26.9	29.3	31.7	34.1	36.2
27.5°	13.5	16.2	18.9	21.6	24.2	26.9	29.4	31.8	34.3	36.7	39.3
30°	14.4	17.3	20.2	23.0	25.9	28.8	31.6	34.4	37.2	39.8	42.3
32.5°	15.3	18.3	21.4	24.4	27.5	30.5	33.6	36.6	39.6	42.6	45.6
35°	15.9	19.1	22.4	25.7	29.0	32.2	35.4	38.6	41.9	45.1	48.3
37.5°	16.5	19.8	23.1	26.5	30.0	33.6	37.2	40.7	44.1	47.3	50.6
40°	16.9	20.4	24.0	27.6	31.1	34.6	38.3	42.1	45.8	49.3	52.7
42.5°	17.6	21.0	24.5	28.2	32.0	36.0	39.7	43.4	47.1	51.0	54.9
45°	18.4	21.9	25.5	29.1	32.8	36.6	40.7	44.8	48.7	52.6	56.6
47.5°	18.9	22.6	26.3	30.0	33.8	37.7	41.7	45.9	50.2	54.4	58.5
50°	19.6	23.2	27.0	30.9	34.9	38.9	42.9	47.2	51.6	56.1	60.5
52.5°	20.4	24.5	28.3	32.0	35.8	40.0	44.2	48.5	53.0	57.7	62.4
55°	20.7	25.0	29.2	33.4	37.4	41.2	45.5	50.0	54.5	59.2	64.3
57.5°	20.6	24.9	29.4	34.1	38.6	43.0	47.1	51.4	56.1	60.9	66.0
60°	20.8	25.0	29.2	33.9	39.1	44.1	48.9	53.2	57.7	62.8	68.2
62.5°	20.2	24.6	29.2	33.9	38.9	44.5	50.1	55.2	59.5	64.3	70.1
65°	19.3	23.7	28.5	33.7	39.1	44.5	50.7	55.7	60.4	65.3	71.5
67.5°	18.2	22.6	27.5	32.9	38.8	44.5	49.0	54.6	60.3	66.1	72.5
70°	17.3	21.3	26.3	32.0	37.4	42.3	47.3	52.8	59.6	66.3	73.3
72.5°	16.4	20.3	25.1	30.0	34.9	40.1	45.5	51.2	58.2	65.9	73.8
75°	15.6	19.6	23.0	27.4	32.5	38.1	43.8	49.8	56.8	65.2	74.2
77.5°	14.7	17.4	20.7	25.1	30.5	36.3	42.3	48.5	55.6	64.6	74.5
80°	12.2	14.6	18.5	22.9	28.7	34.9	40.9	47.4	55.1	64.4	75.1
82.5°	7.9	11.9	16.1	21.2	26.6	32.5	38.8	46.1	54.5	64.5	75.8
85°	3.2	10.3	15.1	19.8	24.7	30.6	37.1	45.0	54.2	65.1	76.9
87.5°	1.0	10.7	15.4	19.2	23.5	29.2	35.7	44.2	54.3	66.1	78.4
90°	0.0	11.9	16.5	19.3	22.9	28.4	34.9	44.0	55.0	67.9	80.7
92.5°	1.0	10.7	15.4	19.2	23.5	29.2	35.7	44.2	54.3	66.1	78.4
95°	3.2	10.3	15.1	19.8	24.7	30.6	37.1	45.0	54.2	65.1	76.9
97.5°	7.9	11.9	16.1	21.2	26.6	32.5	38.8	46.1	54.5	64.5	75.8
100°	12.2	14.6	18.5	22.9	28.7	34.9	40.9	47.4	55.1	64.4	75.1
102.5°	14.7	17.4	20.7	25.1	30.5	36.3	42.3	48.5	55.6	64.6	74.5
105°	15.6	19.6	23.0	27.4	32.5	38.1	43.8	49.8	56.8	65.2	74.2
107.5°	16.4	20.3	25.1	30.0	34.9	40.1	45.5	51.2	58.2	65.9	73.8
110°	17.3	21.3	26.3	32.0	37.4	42.3	47.3	52.8	59.6	66.3	73.3



TEST NUMBER: P232082

CATALOG NUMBER: FVS4WM-3-LD4-40-2STD-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°	18.2	22.6	27.5	32.9	38.8	44.5	49.0	54.6	60.3	66.1	72.5
115°	19.3	23.7	28.5	33.7	39.1	44.5	50.7	55.7	60.4	65.3	71.5
117.5°	20.2	24.6	29.2	33.9	38.9	44.5	50.1	55.2	59.5	64.3	70.1
120°	20.8	25.0	29.2	33.9	39.1	44.1	48.9	53.2	57.7	62.8	68.2
122.5°	20.6	24.9	29.4	34.1	38.6	43.0	47.1	51.4	56.1	60.9	66.0
125°	20.7	25.0	29.2	33.4	37.4	41.2	45.5	50.0	54.5	59.2	64.3
127.5°	20.4	24.5	28.3	32.0	35.8	40.0	44.2	48.5	53.0	57.7	62.4
130°	19.6	23.2	27.0	30.9	34.9	38.9	42.9	47.2	51.6	56.1	60.5
132.5°	18.9	22.6	26.3	30.0	33.8	37.7	41.7	45.9	50.2	54.4	58.5
135°	18.4	21.9	25.5	29.1	32.8	36.6	40.7	44.8	48.7	52.6	56.6
137.5°	17.6	21.0	24.5	28.2	32.0	36.0	39.7	43.4	47.1	51.0	54.9
140°	16.9	20.4	24.0	27.6	31.1	34.6	38.3	42.1	45.8	49.3	52.7
142.5°	16.5	19.8	23.1	26.5	30.0	33.6	37.2	40.7	44.1	47.3	50.6
145°	15.9	19.1	22.4	25.7	29.0	32.2	35.4	38.6	41.9	45.1	48.3
147.5°	15.3	18.3	21.4	24.4	27.5	30.5	33.6	36.6	39.6	42.6	45.6
150°	14.4	17.3	20.2	23.0	25.9	28.8	31.6	34.4	37.2	39.8	42.3
152.5°	13.5	16.2	18.9	21.6	24.2	26.9	29.4	31.8	34.3	36.7	39.3
155°	12.5	15.0	17.4	19.8	22.2	24.5	26.9	29.3	31.7	34.1	36.2
157.5°	11.4	13.6	15.9	18.1	20.4	22.6	24.7	26.7	28.7	30.5	32.3
160°	10.3	12.3	14.3	16.2	18.1	20.0	21.8	23.6	25.4	27.2	28.9
162.5°	8.9	10.7	12.4	14.2	15.9	17.5	19.2	20.8	22.3	23.8	25.3
165°	7.7	9.2	10.7	12.2	13.6	15.0	16.4	17.7	19.0	20.3	21.6
167.5°	6.4	7.7	8.9	10.1	11.3	12.5	13.7	14.9	16.0	17.1	18.2
170°	5.2	6.2	7.2	8.2	9.2	10.1	11.1	12.0	12.9	13.8	14.7
172.5°	3.9	4.7	5.5	6.2	6.9	7.7	8.4	9.1	9.7	10.4	11.0
175°	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.0	6.5	6.9	7.4
177.5°	1.3	1.6	1.9	2.1	2.4	2.7	2.9	3.2	3.4	3.7	3.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.1
5°	7.8	8.2	8.6	9.0	9.3	9.7	10.0	10.3	10.6	10.9	11.3
7.5°	11.6	12.2	12.8	13.3	13.9	14.4	14.9	15.3	15.8	16.2	16.6
10°	15.5	16.3	17.1	17.8	18.5	19.1	19.8	20.3	20.9	21.4	21.9
12.5°	19.2	20.3	21.2	22.2	23.1	24.0	24.7	25.5	26.1	26.7	27.3
15°	22.9	24.1	25.3	26.4	27.5	28.6	29.6	30.5	31.4	32.1	32.8
17.5°	26.6	28.0	29.3	30.6	31.9	33.1	34.3	35.4	36.4	37.4	38.3
20°	30.6	32.1	33.5	34.9	36.2	37.6	38.9	40.2	41.4	42.6	43.7
22.5°	34.2	36.0	37.8	39.5	40.9	42.3	43.6	45.0	46.3	47.6	48.9
25°	38.1	39.9	41.7	43.6	45.5	47.2	48.6	49.9	51.2	52.7	55.6
27.5°	41.8	44.3	46.2	48.0	49.7	51.7	54.8	58.1	61.5	65.2	69.0
30°	44.8	47.5	50.2	53.1	56.1	59.3	63.1	67.4	71.8	76.4	81.2
32.5°	48.3	51.1	54.1	57.8	61.8	65.7	69.9	74.8	80.3	86.1	92.1
35°	51.5	54.8	58.0	61.4	65.6	70.5	75.5	80.9	87.2	94.1	101.5
37.5°	54.0	57.5	61.2	64.9	68.8	73.8	79.7	86.0	92.8	100.8	109.4
40°	56.2	59.9	63.8	67.8	72.1	76.7	82.7	89.8	97.7	106.2	116.3
42.5°	58.4	62.1	66.2	70.4	75.0	79.9	85.2	92.8	101.3	111.1	122.1
45°	60.7	64.5	68.3	72.8	77.5	82.6	88.4	94.9	104.4	115.0	126.8
47.5°	62.7	66.9	71.0	75.1	80.0	85.3	91.0	97.9	106.8	118.0	131.2
50°	64.8	69.2	73.6	77.9	82.4	87.9	93.9	100.9	109.5	121.2	133.9
52.5°	67.1	71.6	76.2	80.7	85.2	92.7	100.3	107.6	115.6	125.4	137.0
55°	69.2	74.0	79.2	86.6	94.3	101.8	109.0	115.8	122.6	130.3	141.1
57.5°	71.6	78.2	85.6	93.9	103.1	111.3	118.6	124.8	130.4	137.0	146.4
60°	74.8	82.5	90.7	100.1	110.5	120.7	128.9	134.7	139.5	144.9	152.5
62.5°	77.2	85.7	95.1	105.3	116.9	129.6	139.0	145.2	149.4	153.4	159.2
65°	79.0	88.1	98.6	109.8	122.6	136.7	148.7	156.2	159.9	162.5	166.5
67.5°	80.2	90.0	101.4	113.9	127.8	143.2	158.3	167.8	171.0	172.3	175.2
70°	81.4	91.5	103.8	117.5	132.4	149.3	167.6	178.7	182.3	182.1	182.3
72.5°	82.4	92.6	105.9	120.7	136.8	153.6	170.4	180.7	183.2	182.2	182.4
75°	83.4	94.1	107.7	122.6	138.3	154.3	169.6	179.8	182.9	182.2	182.5
77.5°	84.9	96.3	109.7	124.5	140.3	156.1	170.0	179.7	182.6	182.0	182.4
80°	86.5	98.7	112.2	127.0	142.8	158.7	171.5	180.2	182.4	181.6	182.2
82.5°	88.3	101.3	115.3	130.1	145.9	162.2	173.9	181.1	182.2	181.2	182.0
85°	90.4	104.2	119.0	133.8	149.6	166.3	177.0	182.4	182.0	180.8	181.8
87.5°	93.0	107.7	123.4	138.2	153.8	171.0	180.6	183.8	181.8	180.3	181.7
90°	96.3	111.9	128.4	143.1	158.7	176.1	184.4	185.3	181.6	179.8	181.6
92.5°	93.0	107.7	123.4	138.2	153.8	171.0	180.6	183.8	181.8	180.3	181.7
95°	90.4	104.2	119.0	133.8	149.6	166.3	177.0	182.4	182.0	180.8	181.8
97.5°	88.3	101.3	115.3	130.1	145.9	162.2	173.9	181.1	182.2	181.2	182.0
100°	86.5	98.7	112.2	127.0	142.8	158.7	171.5	180.2	182.4	181.6	182.2
102.5°	84.9	96.3	109.7	124.5	140.3	156.1	170.0	179.7	182.6	182.0	182.4
105°	83.4	94.1	107.7	122.6	138.3	154.3	169.6	179.8	182.9	182.2	182.5
107.5°	82.4	92.6	105.9	120.7	136.8	153.6	170.4	180.7	183.2	182.2	182.4
110°	81.4	91.5	103.8	117.5	132.4	149.3	167.6	178.7	182.3	182.1	182.3



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	80.2	90.0	101.4	113.9	127.8	143.2	158.3	167.8	171.0	172.3	175.2
115°	79.0	88.1	98.6	109.8	122.6	136.7	148.7	156.2	159.9	162.5	166.5
117.5°	77.2	85.7	95.1	105.3	116.9	129.6	139.0	145.2	149.4	153.4	159.2
120°	74.8	82.5	90.7	100.1	110.5	120.7	128.9	134.7	139.5	144.9	152.5
122.5°	71.6	78.2	85.6	93.9	103.1	111.3	118.6	124.8	130.4	137.0	146.4
125°	69.2	74.0	79.2	86.6	94.3	101.8	109.0	115.8	122.6	130.3	141.1
127.5°	67.1	71.6	76.2	80.7	85.2	92.7	100.3	107.6	115.6	125.4	137.0
130°	64.8	69.2	73.6	77.9	82.4	87.9	93.9	100.9	109.5	121.2	133.9
132.5°	62.7	66.9	71.0	75.1	80.0	85.3	91.0	97.9	106.8	118.0	131.2
135°	60.7	64.5	68.3	72.8	77.5	82.6	88.4	94.9	104.4	115.0	126.8
137.5°	58.4	62.1	66.2	70.4	75.0	79.9	85.2	92.8	101.3	111.1	122.1
140°	56.2	59.9	63.8	67.8	72.1	76.7	82.7	89.8	97.7	106.2	116.3
142.5°	54.0	57.5	61.2	64.9	68.8	73.8	79.7	86.0	92.8	100.8	109.4
145°	51.5	54.8	58.0	61.4	65.6	70.5	75.5	80.9	87.2	94.1	101.5
147.5°	48.3	51.1	54.1	57.8	61.8	65.7	69.9	74.8	80.3	86.1	92.1
150°	44.8	47.5	50.2	53.1	56.1	59.3	63.1	67.4	71.8	76.4	81.2
152.5°	41.8	44.3	46.2	48.0	49.7	51.7	54.8	58.1	61.5	65.2	69.0
155°	38.1	39.9	41.7	43.6	45.5	47.2	48.6	49.9	51.2	52.7	55.6
157.5°	34.2	36.0	37.8	39.5	40.9	42.3	43.6	45.0	46.3	47.6	48.9
160°	30.6	32.1	33.5	34.9	36.2	37.6	38.9	40.2	41.4	42.6	43.7
162.5°	26.6	28.0	29.3	30.6	31.9	33.1	34.3	35.4	36.4	37.4	38.3
165°	22.9	24.1	25.3	26.4	27.5	28.6	29.6	30.5	31.4	32.1	32.8
167.5°	19.2	20.3	21.2	22.2	23.1	24.0	24.7	25.5	26.1	26.7	27.3
170°	15.5	16.3	17.1	17.8	18.5	19.1	19.8	20.3	20.9	21.4	21.9
172.5°	11.6	12.2	12.8	13.3	13.9	14.4	14.9	15.3	15.8	16.2	16.6
175°	7.8	8.2	8.6	9.0	9.3	9.7	10.0	10.3	10.6	10.9	11.3
177.5°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.3	6.4	6.5	6.6	6.8	6.9	6.9	7.0	7.1	7.1	8.0
5°	11.6	11.8	12.1	12.3	12.6	12.8	12.9	13.1	13.2	13.3	15.0
7.5°	16.9	17.2	17.6	18.0	18.3	18.6	18.9	19.2	19.4	19.6	22.1
10°	22.4	22.9	23.3	23.6	24.1	24.5	24.9	25.2	25.5	25.8	29.1
12.5°	27.9	28.4	28.9	29.4	29.8	30.3	30.8	31.3	31.7	32.0	36.1
15°	33.4	34.0	34.6	35.2	35.7	36.1	36.7	37.3	37.8	38.2	43.2
17.5°	39.0	39.7	40.2	40.9	41.5	42.0	42.6	43.3	43.9	44.5	50.2
20°	44.7	45.4	46.0	46.6	47.3	47.9	48.5	49.3	50.0	50.7	57.2
22.5°	50.0	51.1	51.8	52.4	53.0	53.8	54.4	55.3	56.1	56.9	64.2
25°	58.7	61.6	64.4	66.9	69.2	71.6	73.8	75.9	77.9	79.5	87.6
27.5°	73.0	76.8	80.5	84.0	87.3	90.6	93.8	96.8	99.7	102.1	111.2
30°	86.1	91.1	95.7	100.3	104.7	109.0	113.4	117.5	121.3	124.8	134.8
32.5°	98.2	104.3	110.2	115.9	121.5	127.1	132.6	138.0	142.9	147.4	158.4
35°	109.2	116.6	124.0	130.8	137.7	144.6	151.5	158.2	164.3	170.0	182.0
37.5°	118.7	128.0	136.8	145.2	153.5	161.6	169.9	178.1	185.7	192.6	205.6
40°	127.0	138.4	148.9	159.0	168.4	178.2	188.1	197.9	207.0	215.3	229.2
42.5°	134.1	147.5	160.2	172.6	183.1	194.4	206.3	217.5	228.1	237.9	252.8
45°	140.6	155.5	171.0	184.6	197.4	210.1	223.6	236.8	249.2	260.5	276.4
47.5°	145.8	160.8	176.5	190.0	202.8	215.4	229.5	244.2	258.6	272.1	290.3
50°	147.4	161.8	177.1	191.3	204.7	218.4	234.0	250.8	267.8	283.7	304.1
52.5°	149.9	163.9	178.4	192.8	206.4	221.4	238.3	257.1	276.8	295.4	318.0
55°	153.5	166.7	180.4	194.6	208.3	224.3	242.5	263.3	285.7	307.0	331.9
57.5°	157.7	170.1	183.1	196.7	210.5	227.2	246.6	269.3	294.6	318.6	345.9
60°	162.5	174.3	186.9	199.2	212.9	229.9	250.6	275.1	303.4	330.2	360.0
62.5°	167.9	179.0	190.4	202.3	215.5	232.7	254.6	280.9	312.1	341.9	374.1
65°	174.3	184.4	194.9	205.8	218.3	235.4	258.5	286.5	320.7	353.5	388.1
67.5°	181.3	190.2	199.9	209.7	221.3	238.2	262.5	292.1	329.4	365.1	402.2
70°	185.8	192.6	200.8	209.3	220.0	235.8	259.5	288.8	326.7	364.4	405.0
72.5°	185.6	191.6	199.2	207.4	217.8	233.0	256.1	285.3	324.0	363.7	407.7
75°	185.6	190.9	197.9	205.6	215.7	230.4	252.9	282.0	321.3	362.9	412.1
77.5°	185.7	190.4	196.8	203.9	213.8	228.0	249.9	278.8	318.6	362.2	414.4
80°	185.9	190.2	195.9	202.3	212.0	225.9	247.1	275.8	316.0	361.5	416.6
82.5°	186.3	190.2	195.1	200.9	210.4	223.9	244.5	272.9	313.5	360.8	418.9
85°	186.8	190.3	194.5	199.5	209.0	222.2	242.0	270.1	311.1	360.0	421.1
87.5°	187.4	190.5	194.0	198.3	207.6	220.6	239.7	267.5	308.7	359.3	423.4
90°	188.0	190.8	193.5	197.2	206.4	219.2	237.6	265.1	306.4	358.6	425.6
92.5°	187.4	190.5	194.0	198.3	207.6	220.6	239.7	267.5	308.7	359.3	423.4
95°	186.8	190.3	194.5	199.5	209.0	222.2	242.0	270.1	311.1	360.0	421.1
97.5°	186.3	190.2	195.1	200.9	210.4	223.9	244.5	272.9	313.5	360.8	418.9
100°	185.9	190.2	195.9	202.3	212.0	225.9	247.1	275.8	316.0	361.5	416.6
102.5°	185.7	190.4	196.8	203.9	213.8	228.0	249.9	278.8	318.6	362.2	414.4
105°	185.6	190.9	197.9	205.6	215.7	230.4	252.9	282.0	321.3	362.9	412.1
107.5°	185.6	191.6	199.2	207.4	217.8	233.0	256.1	285.3	324.0	363.7	407.7
110°	185.8	192.6	200.8	209.3	220.0	235.8	259.5	288.8	326.7	364.4	405.0



TEST NUMBER: P232082

CATALOG NUMBER: FVS4WM-3-LD4-40-2STD-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°	181.3	190.2	199.9	209.7	221.3	238.2	262.5	292.1	329.4	365.1	402.2
115°	174.3	184.4	194.9	205.8	218.3	235.4	258.5	286.5	320.7	353.5	388.1
117.5°	167.9	179.0	190.4	202.3	215.5	232.7	254.6	280.9	312.1	341.9	374.1
120°	162.5	174.3	186.9	199.2	212.9	229.9	250.6	275.1	303.4	330.2	360.0
122.5°	157.7	170.1	183.1	196.7	210.5	227.2	246.6	269.3	294.6	318.6	345.9
125°	153.5	166.7	180.4	194.6	208.3	224.3	242.5	263.3	285.7	307.0	331.9
127.5°	149.9	163.9	178.4	192.8	206.4	221.4	238.3	257.1	276.8	295.4	318.0
130°	147.4	161.8	177.1	191.3	204.7	218.4	234.0	250.8	267.8	283.7	304.1
132.5°	145.8	160.8	176.5	190.0	202.8	215.4	229.5	244.2	258.6	272.1	290.3
135°	140.6	155.5	171.0	184.6	197.4	210.1	223.6	236.8	249.2	260.5	276.4
137.5°	134.1	147.5	160.2	172.6	183.1	194.4	206.3	217.5	228.1	237.9	252.8
140°	127.0	138.4	148.9	159.0	168.4	178.2	188.1	197.9	207.0	215.3	229.2
142.5°	118.7	128.0	136.8	145.2	153.5	161.6	169.9	178.1	185.7	192.6	205.6
145°	109.2	116.6	124.0	130.8	137.7	144.6	151.5	158.2	164.3	170.0	182.0
147.5°	98.2	104.3	110.2	115.9	121.5	127.1	132.6	138.0	142.9	147.4	158.4
150°	86.1	91.1	95.7	100.3	104.7	109.0	113.4	117.5	121.3	124.8	134.8
152.5°	73.0	76.8	80.5	84.0	87.3	90.6	93.8	96.8	99.7	102.1	111.2
155°	58.7	61.6	64.4	66.9	69.2	71.6	73.8	75.9	77.9	79.5	87.6
157.5°	50.0	51.1	51.8	52.4	53.0	53.8	54.4	55.3	56.1	56.9	64.2
160°	44.7	45.4	46.0	46.6	47.3	47.9	48.5	49.3	50.0	50.7	57.2
162.5°	39.0	39.7	40.2	40.9	41.5	42.0	42.6	43.3	43.9	44.5	50.2
165°	33.4	34.0	34.6	35.2	35.7	36.1	36.7	37.3	37.8	38.2	43.2
167.5°	27.9	28.4	28.9	29.4	29.8	30.3	30.8	31.3	31.7	32.0	36.1
170°	22.4	22.9	23.3	23.6	24.1	24.5	24.9	25.2	25.5	25.8	29.1
172.5°	16.9	17.2	17.6	18.0	18.3	18.6	18.9	19.2	19.4	19.6	22.1
175°	11.6	11.8	12.1	12.3	12.6	12.8	12.9	13.1	13.2	13.3	15.0
177.5°	6.3	6.4	6.5	6.6	6.8	6.9	6.9	7.0	7.1	7.1	8.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	8.8	9.6	10.4	11.1	11.9	12.6	13.3	14.0	14.7	15.3	15.9
5°	16.7	18.3	19.8	21.4	22.9	24.4	25.8	27.1	28.5	29.7	31.0
7.5°	24.5	26.9	29.3	31.6	33.9	36.0	38.3	41.2	44.0	46.7	49.3
10°	32.4	35.6	38.7	41.8	45.0	49.0	52.9	56.7	60.4	64.0	67.7
12.5°	40.2	44.2	48.1	52.4	57.5	62.5	67.3	72.1	76.8	81.4	85.9
15°	48.0	52.8	57.7	63.9	69.9	75.8	81.6	87.3	92.9	98.4	104.3
17.5°	55.8	61.4	68.0	75.1	82.1	88.9	95.6	102.1	108.5	114.1	119.3
20°	63.6	70.1	78.2	86.3	94.1	101.7	109.2	116.4	122.5	128.4	134.2
22.5°	71.4	79.3	88.3	97.3	105.8	114.1	122.2	128.9	135.5	142.0	148.3
25°	95.3	103.9	112.9	121.3	128.8	135.8	141.2	146.0	150.4	154.5	161.2
27.5°	119.8	129.7	139.5	148.1	155.9	162.3	167.3	172.0	176.2	180.1	182.8
30°	144.3	155.4	166.2	174.5	183.0	187.7	192.4	196.8	200.9	203.8	206.2
32.5°	169.1	181.0	191.8	200.4	207.4	212.1	216.5	220.7	223.9	226.3	230.7
35°	193.9	206.6	217.2	225.9	231.4	236.1	239.8	243.4	245.7	249.0	255.4
37.5°	218.6	232.0	242.3	250.7	254.8	258.6	262.2	264.8	267.1	272.3	278.8
40°	243.2	257.4	267.0	274.1	277.4	280.7	283.7	285.3	288.6	293.7	302.8
42.5°	267.8	282.5	291.4	296.8	299.4	302.2	304.1	305.2	309.2	315.6	325.0
45°	292.3	306.8	315.5	319.1	321.0	323.0	323.8	325.2	328.3	336.5	347.6
47.5°	309.5	327.3	340.0	345.8	350.1	352.4	350.9	347.5	348.0	356.5	369.7
50°	326.7	348.2	365.5	376.2	386.8	395.4	401.0	405.7	408.0	407.5	406.9
52.5°	344.4	370.0	391.9	408.3	426.1	441.9	456.4	469.3	477.2	474.3	471.0
55°	362.3	392.6	419.6	442.7	468.0	491.9	516.2	536.5	547.0	537.3	530.7
57.5°	380.5	415.9	448.5	479.0	512.2	544.9	580.2	606.3	611.3	597.3	586.5
60°	399.0	439.8	478.5	517.0	558.9	601.0	647.8	678.6	672.7	654.3	638.6
62.5°	417.7	464.3	509.4	556.5	607.6	661.0	717.4	753.1	731.5	708.3	687.1
65°	436.5	489.2	541.0	597.1	658.0	723.3	786.7	819.8	788.1	759.5	732.2
67.5°	455.4	514.4	573.3	638.7	709.8	787.6	857.4	880.4	843.1	808.3	774.5
70°	459.0	519.4	581.1	652.7	731.2	818.8	896.2	917.3	886.5	852.7	814.5
72.5°	461.9	522.5	584.8	659.6	739.7	827.9	902.6	919.4	898.3	867.3	829.8
75°	464.5	525.2	588.1	666.0	747.1	835.2	908.1	925.2	912.9	882.2	842.4
77.5°	466.8	527.4	590.9	671.7	753.5	840.7	912.6	933.9	930.0	897.7	855.1
80°	470.6	529.3	593.1	676.9	758.9	844.7	916.2	944.9	949.0	913.7	868.3
82.5°	471.7	532.3	597.1	681.3	763.3	847.1	918.8	957.4	969.4	930.5	882.1
85°	472.8	532.5	597.1	686.7	768.6	850.4	922.6	972.6	990.7	948.1	896.7
87.5°	474.0	532.7	597.1	688.2	769.5	848.5	921.3	984.8	1012.6	966.0	911.7
90°	475.1	532.9	597.1	689.8	770.5	846.6	920.0	997.1	1033.7	986.0	929.2
92.5°	474.0	532.7	597.1	688.2	769.5	848.5	921.3	984.8	1012.6	966.0	911.7
95°	472.8	532.5	597.1	686.7	768.6	850.4	922.6	972.6	990.7	948.1	896.7
97.5°	471.7	532.3	597.1	681.3	763.3	847.1	918.8	957.4	969.4	930.5	882.1
100°	470.6	529.3	593.1	676.9	758.9	844.7	916.2	944.9	949.0	913.7	868.3
102.5°	466.8	527.4	590.9	671.7	753.5	840.7	912.6	933.9	930.0	897.7	855.1
105°	464.5	525.2	588.1	666.0	747.1	835.2	908.1	925.2	912.9	882.2	842.4
107.5°	461.9	522.5	584.8	659.6	739.7	827.9	902.6	919.4	898.3	867.3	829.8
110°	459.0	519.4	581.1	652.7	731.2	818.8	896.2	917.3	886.5	852.7	814.5



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	455.4	514.4	573.3	638.7	709.8	787.6	857.4	880.4	843.1	808.3	774.5
115°	436.5	489.2	541.0	597.1	658.0	723.3	786.7	819.8	788.1	759.5	732.2
117.5°	417.7	464.3	509.4	556.5	607.6	661.0	717.4	753.1	731.5	708.3	687.1
120°	399.0	439.8	478.5	517.0	558.9	601.0	647.8	678.6	672.7	654.3	638.6
122.5°	380.5	415.9	448.5	479.0	512.2	544.9	580.2	606.3	611.3	597.3	586.5
125°	362.3	392.6	419.6	442.7	468.0	491.9	516.2	536.5	547.0	537.3	530.7
127.5°	344.4	370.0	391.9	408.3	426.1	441.9	456.4	469.3	477.2	474.3	471.0
130°	326.7	348.2	365.5	376.2	386.8	395.4	401.0	405.7	408.0	407.5	406.9
132.5°	309.5	327.3	340.0	345.8	350.1	352.4	350.9	347.5	348.0	356.5	369.7
135°	292.3	306.8	315.5	319.1	321.0	323.0	323.8	325.2	328.3	336.5	347.6
137.5°	267.8	282.5	291.4	296.8	299.4	302.2	304.1	305.2	309.2	315.6	325.0
140°	243.2	257.4	267.0	274.1	277.4	280.7	283.7	285.3	288.6	293.7	302.8
142.5°	218.6	232.0	242.3	250.7	254.8	258.6	262.2	264.8	267.1	272.3	278.8
145°	193.9	206.6	217.2	225.9	231.4	236.1	239.8	243.4	245.7	249.0	255.4
147.5°	169.1	181.0	191.8	200.4	207.4	212.1	216.5	220.7	223.9	226.3	230.7
150°	144.3	155.4	166.2	174.5	183.0	187.7	192.4	196.8	200.9	203.8	206.2
152.5°	119.8	129.7	139.5	148.1	155.9	162.3	167.3	172.0	176.2	180.1	182.8
155°	95.3	103.9	112.9	121.3	128.8	135.8	141.2	146.0	150.4	154.5	161.2
157.5°	71.4	79.3	88.3	97.3	105.8	114.1	122.2	128.9	135.5	142.0	148.3
160°	63.6	70.1	78.2	86.3	94.1	101.7	109.2	116.4	122.5	128.4	134.2
162.5°	55.8	61.4	68.0	75.1	82.1	88.9	95.6	102.1	108.5	114.1	119.3
165°	48.0	52.8	57.7	63.9	69.9	75.8	81.6	87.3	92.9	98.4	104.3
167.5°	40.2	44.2	48.1	52.4	57.5	62.5	67.3	72.1	76.8	81.4	85.9
170°	32.4	35.6	38.7	41.8	45.0	49.0	52.9	56.7	60.4	64.0	67.7
172.5°	24.5	26.9	29.3	31.6	33.9	36.0	38.3	41.2	44.0	46.7	49.3
175°	16.7	18.3	19.8	21.4	22.9	24.4	25.8	27.1	28.5	29.7	31.0
177.5°	8.8	9.6	10.4	11.1	11.9	12.6	13.3	14.0	14.7	15.3	15.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	16.5	17.1	17.6	18.1	18.5	18.9	19.3	19.7	20.0	20.3	20.5
5°	32.6	34.2	35.8	37.2	38.6	39.9	41.1	42.2	43.2	44.2	45.0
7.5°	51.8	54.2	56.5	58.7	60.8	62.9	64.9	66.7	68.5	70.0	71.5
10°	71.0	74.4	77.6	80.7	83.7	86.5	89.2	91.5	93.5	95.3	97.0
12.5°	90.2	94.4	98.3	101.7	104.9	107.9	110.8	113.5	116.0	118.7	121.3
15°	108.1	112.4	116.5	120.5	124.4	128.5	132.5	136.3	139.9	143.4	146.7
17.5°	124.3	129.9	134.3	139.3	144.2	149.0	153.6	158.0	162.3	166.5	170.6
20°	140.0	145.7	151.4	156.9	162.1	167.3	172.4	177.8	183.5	188.8	193.7
22.5°	154.6	160.7	166.3	171.9	177.8	185.2	192.4	199.2	205.4	210.3	214.5
25°	167.2	173.0	179.5	187.8	196.6	205.1	213.3	220.6	226.9	232.5	237.6
27.5°	185.1	188.9	195.7	206.0	217.1	227.5	238.0	245.6	253.3	259.9	265.8
30°	210.9	217.6	224.8	234.2	243.4	253.7	264.8	274.6	284.1	292.1	299.5
32.5°	237.4	245.3	255.2	265.2	276.0	286.5	297.5	308.3	318.3	326.4	333.4
35°	263.1	273.2	284.0	295.8	307.7	320.1	332.2	342.5	352.1	362.9	374.7
37.5°	288.9	299.9	312.5	325.6	339.2	352.1	363.9	376.0	390.2	405.3	418.6
40°	313.2	326.5	340.3	354.9	368.9	382.2	397.2	413.0	429.8	447.0	464.9
42.5°	338.0	352.1	367.5	382.7	397.4	414.3	431.6	451.2	472.2	493.6	516.4
45°	361.6	377.4	393.5	409.5	427.5	446.1	467.8	490.0	515.6	543.4	576.9
47.5°	385.0	401.4	418.7	437.1	456.8	479.7	503.9	531.2	563.1	598.8	644.2
50°	409.7	425.1	443.6	464.1	487.5	512.6	541.1	574.5	613.6	663.7	718.3
52.5°	470.4	473.0	479.5	491.4	518.3	546.0	579.1	618.4	672.0	731.9	800.2
55°	526.8	526.0	530.1	540.2	557.2	579.9	615.4	669.9	731.6	801.2	882.8
57.5°	578.3	573.8	575.3	584.0	600.8	627.5	668.1	721.7	789.5	873.0	965.6
60°	625.4	616.4	615.9	624.6	643.3	673.5	724.6	784.5	857.0	942.5	1052.3
62.5°	668.8	655.9	652.0	660.0	682.8	724.0	778.9	844.7	930.3	1030.5	1147.4
65°	708.1	691.7	686.7	695.6	721.1	768.6	828.8	909.1	1005.4	1116.9	1250.5
67.5°	744.0	723.5	717.4	729.5	761.9	812.3	878.3	967.5	1074.6	1203.1	1354.8
70°	778.0	752.6	744.7	760.1	797.7	851.6	928.9	1026.9	1142.5	1279.9	1450.0
72.5°	797.3	777.4	773.6	790.9	829.6	888.4	973.4	1078.5	1202.3	1351.5	1515.0
75°	811.9	797.8	800.6	823.0	864.8	926.8	1016.7	1123.8	1250.1	1407.2	1566.5
77.5°	827.8	819.4	826.8	853.0	897.8	966.7	1060.5	1170.0	1299.5	1450.0	1608.5
80°	845.0	842.0	852.2	881.0	927.7	1001.9	1097.6	1206.7	1339.7	1487.8	1660.4
82.5°	863.2	865.3	876.9	907.3	954.8	1032.4	1128.5	1234.5	1368.8	1514.9	1695.8
85°	882.2	889.0	900.9	931.9	979.4	1058.5	1153.5	1254.2	1387.5	1531.5	1715.3
87.5°	901.6	913.0	924.7	955.6	1002.6	1082.3	1175.3	1269.5	1400.6	1542.6	1726.0
90°	921.8	936.5	947.5	976.9	1021.8	1098.9	1187.8	1274.1	1397.9	1535.5	1710.7
92.5°	901.6	913.0	924.7	955.6	1002.6	1082.3	1175.3	1269.5	1400.6	1542.6	1726.0
95°	882.2	889.0	900.9	931.9	979.4	1058.5	1153.5	1254.2	1387.5	1531.5	1715.3
97.5°	863.2	865.3	876.9	907.3	954.8	1032.4	1128.5	1234.5	1368.8	1514.9	1695.8
100°	845.0	842.0	852.2	881.0	927.7	1001.9	1097.6	1206.7	1339.7	1487.8	1660.4
102.5°	827.8	819.4	826.8	853.0	897.8	966.7	1060.5	1170.0	1299.5	1450.0	1608.5
105°	811.9	797.8	800.6	823.0	864.8	926.8	1016.7	1123.8	1250.1	1407.2	1566.5
107.5°	797.3	777.4	773.6	790.9	829.6	888.4	973.4	1078.5	1202.3	1351.5	1515.0
110°	778.0	752.6	744.7	760.1	797.7	851.6	928.9	1026.9	1142.5	1279.9	1450.0



TEST NUMBER: P232082

CATALOG NUMBER: FVS4WM-3-LD4-40-2STD-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°	744.0	723.5	717.4	729.5	761.9	812.3	878.3	967.5	1074.6	1203.1	1354.8
115°	708.1	691.7	686.7	695.6	721.1	768.6	828.8	909.1	1005.4	1116.9	1250.5
117.5°	668.8	655.9	652.0	660.0	682.8	724.0	778.9	844.7	930.3	1030.5	1147.4
120°	625.4	616.4	615.9	624.6	643.3	673.5	724.6	784.5	857.0	942.5	1052.3
122.5°	578.3	573.8	575.3	584.0	600.8	627.5	668.1	721.7	789.5	873.0	965.6
125°	526.8	526.0	530.1	540.2	557.2	579.9	615.4	669.9	731.6	801.2	882.8
127.5°	470.4	473.0	479.5	491.4	518.3	546.0	579.1	618.4	672.0	731.9	800.2
130°	409.7	425.1	443.6	464.1	487.5	512.6	541.1	574.5	613.6	663.7	718.3
132.5°	385.0	401.4	418.7	437.1	456.8	479.7	503.9	531.2	563.1	598.8	644.2
135°	361.6	377.4	393.5	409.5	427.5	446.1	467.8	490.0	515.6	543.4	576.9
137.5°	338.0	352.1	367.5	382.7	397.4	414.3	431.6	451.2	472.2	493.6	516.4
140°	313.2	326.5	340.3	354.9	368.9	382.2	397.2	413.0	429.8	447.0	464.9
142.5°	288.9	299.9	312.5	325.6	339.2	352.1	363.9	376.0	390.2	405.3	418.6
145°	263.1	273.2	284.0	295.8	307.7	320.1	332.2	342.5	352.1	362.9	374.7
147.5°	237.4	245.3	255.2	265.2	276.0	286.5	297.5	308.3	318.3	326.4	333.4
150°	210.9	217.6	224.8	234.2	243.4	253.7	264.8	274.6	284.1	292.1	299.5
152.5°	185.1	188.9	195.7	206.0	217.1	227.5	238.0	245.6	253.3	259.9	265.8
155°	167.2	173.0	179.5	187.8	196.6	205.1	213.3	220.6	226.9	232.5	237.6
157.5°	154.6	160.7	166.3	171.9	177.8	185.2	192.4	199.2	205.4	210.3	214.5
160°	140.0	145.7	151.4	156.9	162.1	167.3	172.4	177.8	183.5	188.8	193.7
162.5°	124.3	129.9	134.3	139.3	144.2	149.0	153.6	158.0	162.3	166.5	170.6
165°	108.1	112.4	116.5	120.5	124.4	128.5	132.5	136.3	139.9	143.4	146.7
167.5°	90.2	94.4	98.3	101.7	104.9	107.9	110.8	113.5	116.0	118.7	121.3
170°	71.0	74.4	77.6	80.7	83.7	86.5	89.2	91.5	93.5	95.3	97.0
172.5°	51.8	54.2	56.5	58.7	60.8	62.9	64.9	66.7	68.5	70.0	71.5
175°	32.6	34.2	35.8	37.2	38.6	39.9	41.1	42.2	43.2	44.2	45.0
177.5°	16.5	17.1	17.6	18.1	18.5	18.9	19.3	19.7	20.0	20.3	20.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	20.7	20.9	21.0	21.1	21.2	21.2	21.8	21.5	21.3	21.0	20.7
5°	45.7	46.4	46.9	47.4	47.7	48.0	48.1	48.1	48.9	48.4	47.9
7.5°	72.8	73.9	74.9	75.8	76.5	77.0	77.4	77.6	77.6	78.2	77.5
10°	98.6	99.9	101.1	102.1	102.9	103.6	104.0	104.3	104.4	105.2	104.4
12.5°	123.7	126.0	128.0	129.8	131.4	132.8	133.9	134.7	135.3	135.6	136.2
15°	149.9	152.8	155.6	158.2	160.5	162.6	164.4	166.0	167.2	168.2	169.5
17.5°	174.6	178.2	181.5	184.4	187.0	189.2	191.1	192.6	193.7	194.4	195.5
20°	198.3	201.9	204.1	205.7	206.8	207.4	207.5	207.1	206.4	205.4	204.4
22.5°	217.8	220.4	222.7	224.5	225.5	225.9	225.7	224.9	223.5	221.6	219.9
25°	241.8	244.9	247.1	249.2	250.3	250.6	250.0	248.6	246.5	243.7	240.4
27.5°	270.9	274.8	277.5	279.6	281.2	282.0	282.0	281.1	279.3	276.7	273.3
30°	304.2	308.8	312.5	315.2	320.9	325.6	329.3	331.9	333.3	333.4	332.2
32.5°	340.7	350.0	358.7	366.5	375.0	383.5	391.1	397.4	402.4	405.9	407.7
35°	386.0	398.6	411.5	423.9	436.3	450.0	462.4	473.4	482.7	490.0	495.2
37.5°	433.9	450.0	469.1	487.5	505.2	525.4	544.3	561.0	575.3	587.0	595.7
40°	485.1	506.7	533.4	560.8	586.7	614.0	642.4	667.9	690.4	709.3	724.3
42.5°	545.0	575.0	608.5	647.3	684.7	721.3	760.7	795.4	825.1	849.6	868.7
45°	612.7	655.6	696.7	750.0	802.3	855.6	896.4	938.3	975.0	1006.0	1030.9
47.5°	692.0	748.9	808.9	869.4	929.6	986.0	1045.0	1102.8	1153.5	1196.6	1231.3
50°	783.5	850.8	921.6	990.7	1072.3	1149.5	1226.0	1306.3	1376.6	1436.1	1483.8
52.5°	875.8	953.9	1044.1	1136.5	1242.3	1350.6	1449.2	1540.9	1624.0	1696.9	1757.9
55°	969.2	1070.7	1180.7	1307.5	1433.6	1556.1	1668.6	1756.1	1832.4	1901.4	1961.7
57.5°	1072.4	1197.4	1334.1	1477.6	1624.5	1726.0	1820.9	1908.8	1987.2	2059.7	2124.7
60°	1182.7	1327.4	1485.4	1632.0	1758.2	1860.0	1945.6	2030.2	2110.1	2182.5	2246.8
62.5°	1289.3	1458.4	1620.4	1767.3	1872.5	1968.9	2051.4	2130.8	2212.8	2287.2	2352.8
65°	1410.3	1578.5	1743.5	1860.9	1962.6	2054.8	2143.8	2227.4	2307.6	2379.8	2438.7
67.5°	1521.8	1695.3	1825.2	1933.4	2033.4	2133.3	2227.9	2317.1	2398.2	2464.6	2519.6
70°	1614.1	1771.2	1894.9	1993.6	2098.3	2201.8	2301.1	2391.0	2475.3	2547.5	2597.4
72.5°	1684.3	1842.0	1950.6	2053.6	2155.9	2257.8	2358.8	2452.5	2548.4	2627.8	2670.0
75°	1748.3	1886.5	1995.2	2100.1	2206.0	2308.6	2399.9	2498.4	2593.4	2679.1	2729.4
77.5°	1801.8	1925.1	2026.6	2135.1	2246.3	2347.6	2439.6	2531.1	2640.9	2723.6	2775.5
80°	1830.3	1947.7	2047.6	2160.3	2276.2	2379.0	2473.6	2580.2	2687.3	2764.0	2800.0
82.5°	1854.6	1967.1	2072.1	2184.7	2292.8	2393.6	2495.7	2604.8	2715.0	2783.5	2815.8
85°	1872.0	1978.1	2087.8	2201.4	2307.7	2408.5	2507.3	2612.5	2726.1	2798.0	2833.7
87.5°	1886.6	1980.6	2093.4	2204.9	2311.2	2411.5	2519.2	2627.3	2742.8	2806.2	2835.6
90°	1878.5	1974.8	2088.6	2195.9	2302.3	2400.5	2516.9	2618.8	2738.9	2804.0	2820.6
92.5°	1886.6	1980.6	2093.4	2204.9	2311.2	2411.5	2519.2	2627.3	2742.8	2806.2	2835.6
95°	1872.0	1978.1	2087.8	2201.4	2307.7	2408.5	2507.3	2612.5	2726.1	2798.0	2833.7
97.5°	1854.6	1967.1	2072.1	2184.7	2292.8	2393.6	2495.7	2604.8	2715.0	2783.5	2815.8
100°	1830.3	1947.7	2047.6	2160.3	2276.2	2379.0	2473.6	2580.2	2687.3	2764.0	2800.0
102.5°	1801.8	1925.1	2026.6	2135.1	2246.3	2347.6	2439.6	2531.1	2640.9	2723.6	2775.5
105°	1748.3	1886.5	1995.2	2100.1	2206.0	2308.6	2399.9	2498.4	2593.4	2679.1	2729.4
107.5°	1684.3	1842.0	1950.6	2053.6	2155.9	2257.8	2358.8	2452.5	2548.4	2627.8	2670.0
110°	1614.1	1771.2	1894.9	1993.6	2098.3	2201.8	2301.1	2391.0	2475.3	2547.5	2597.4



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1521.8	1695.3	1825.2	1933.4	2033.4	2133.3	2227.9	2317.1	2398.2	2464.6	2519.6
115°	1410.3	1578.5	1743.5	1860.9	1962.6	2054.8	2143.8	2227.4	2307.6	2379.8	2438.7
117.5°	1289.3	1458.4	1620.4	1767.3	1872.5	1968.9	2051.4	2130.8	2212.8	2287.2	2352.8
120°	1182.7	1327.4	1485.4	1632.0	1758.2	1860.0	1945.6	2030.2	2110.1	2182.5	2246.8
122.5°	1072.4	1197.4	1334.1	1477.6	1624.5	1726.0	1820.9	1908.8	1987.2	2059.7	2124.7
125°	969.2	1070.7	1180.7	1307.5	1433.6	1556.1	1668.6	1756.1	1832.4	1901.4	1961.7
127.5°	875.8	953.9	1044.1	1136.5	1242.3	1350.6	1449.2	1540.9	1624.0	1696.9	1757.9
130°	783.5	850.8	921.6	990.7	1072.3	1149.5	1226.0	1306.3	1376.6	1436.1	1483.8
132.5°	692.0	748.9	808.9	869.4	929.6	986.0	1045.0	1102.8	1153.5	1196.6	1231.3
135°	612.7	655.6	696.7	750.0	802.3	855.6	896.4	938.3	975.0	1006.0	1030.9
137.5°	545.0	575.0	608.5	647.3	684.7	721.3	760.7	795.4	825.1	849.6	868.7
140°	485.1	506.7	533.4	560.8	586.7	614.0	642.4	667.9	690.4	709.3	724.3
142.5°	433.9	450.0	469.1	487.5	505.2	525.4	544.3	561.0	575.3	587.0	595.7
145°	386.0	398.6	411.5	423.9	436.3	450.0	462.4	473.4	482.7	490.0	495.2
147.5°	340.7	350.0	358.7	366.5	375.0	383.5	391.1	397.4	402.4	405.9	407.7
150°	304.2	308.8	312.5	315.2	320.9	325.6	329.3	331.9	333.3	333.4	332.2
152.5°	270.9	274.8	277.5	279.6	281.2	282.0	282.0	281.1	279.3	276.7	273.3
155°	241.8	244.9	247.1	249.2	250.3	250.6	250.0	248.6	246.5	243.7	240.4
157.5°	217.8	220.4	222.7	224.5	225.5	225.9	225.7	224.9	223.5	221.6	219.9
160°	198.3	201.9	204.1	205.7	206.8	207.4	207.5	207.1	206.4	205.4	204.4
162.5°	174.6	178.2	181.5	184.4	187.0	189.2	191.1	192.6	193.7	194.4	195.5
165°	149.9	152.8	155.6	158.2	160.5	162.6	164.4	166.0	167.2	168.2	169.5
167.5°	123.7	126.0	128.0	129.8	131.4	132.8	133.9	134.7	135.3	135.6	136.2
170°	98.6	99.9	101.1	102.1	102.9	103.6	104.0	104.3	104.4	105.2	104.4
172.5°	72.8	73.9	74.9	75.8	76.5	77.0	77.4	77.6	77.6	78.2	77.5
175°	45.7	46.4	46.9	47.4	47.7	48.0	48.1	48.1	48.9	48.4	47.9
177.5°	20.7	20.9	21.0	21.1	21.2	21.2	21.8	21.5	21.3	21.0	20.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.9	0.9
2.5°	20.5	20.2
5°	47.3	46.8
7.5°	76.8	76.1
10°	103.5	102.7
12.5°	135.5	134.8
15°	169.2	168.8
17.5°	195.0	194.5
20°	202.6	200.9
22.5°	216.8	213.7
25°	236.7	232.1
27.5°	269.5	264.2
30°	330.4	325.6
32.5°	408.6	405.4
35°	499.3	498.1
37.5°	603.0	603.6
40°	737.5	741.1
42.5°	885.0	889.7
45°	1052.8	1060.3
47.5°	1262.0	1273.1
50°	1525.9	1541.0
52.5°	1813.4	1837.3
55°	2018.3	2050.1
57.5°	2186.6	2226.2
60°	2307.2	2349.1
62.5°	2409.2	2456.4
65°	2486.1	2524.3
67.5°	2563.9	2598.6
70°	2632.2	2655.4
72.5°	2699.5	2717.8
75°	2753.9	2768.3
77.5°	2788.2	2789.4
80°	2813.4	2816.9
82.5°	2831.1	2840.7
85°	2850.7	2841.7
87.5°	2857.0	2853.6
90°	2852.7	2847.2
92.5°	2857.0	2853.6
95°	2850.7	2841.7
97.5°	2831.1	2840.7
100°	2813.4	2816.9
102.5°	2788.2	2789.4
105°	2753.9	2768.3
107.5°	2699.5	2717.8
110°	2632.2	2655.4



TEST NUMBER: P232082

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2563.9	2598.6
115°	2486.1	2524.3
117.5°	2409.2	2456.4
120°	2307.2	2349.1
122.5°	2186.6	2226.2
125°	2018.3	2050.1
127.5°	1813.4	1837.3
130°	1525.9	1541.0
132.5°	1262.0	1273.1
135°	1052.8	1060.3
137.5°	885.0	889.7
140°	737.5	741.1
142.5°	603.0	603.6
145°	499.3	498.1
147.5°	408.6	405.4
150°	330.4	325.6
152.5°	269.5	264.2
155°	236.7	232.1
157.5°	216.8	213.7
160°	202.6	200.9
162.5°	195.0	194.5
165°	169.2	168.8
167.5°	135.5	134.8
170°	103.5	102.7
172.5°	76.8	76.1
175°	47.3	46.8
177.5°	20.5	20.2
180°	0.0	0.0

(END OF REPORT)