

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: P232080

Luminaire Tested: **FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232080
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-LD4-30-2STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

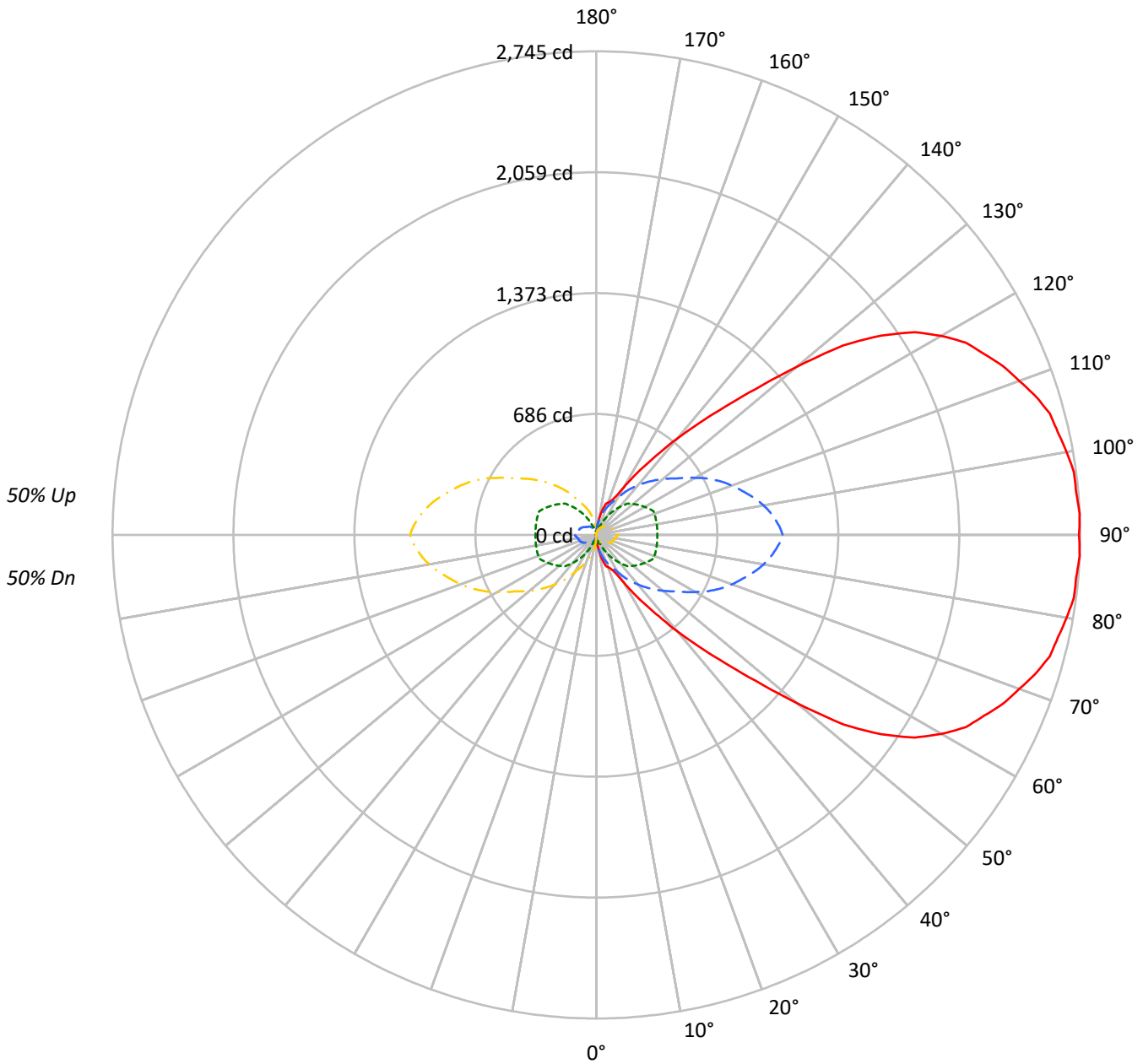
Lumens per Lamp: N/A
Luminaire Lumens: 6172.2 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 28.9 / 18.21 / 19.38
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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°	776	253	0	253
10°	1526	486	0	486
15°	2286	729	0	729
20°	2519	982	0	982
25°	2728	1582	0	1582
30°	3628	2568	0	2568
35°	5312	3654	0	3654
40°	7637	4882	0	4882
45°	10646	6300	9	6300
50°	15198	7410	9	7410
55°	20017	8789	9	8789
60°	22883	10545	9	10545
65°	24721	12872	9	12872
70°	26345	15579	19	15579
75°	28045	18965	19	18965
80°	29382	24515	0	24515
85°	30785	35164	0	35164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	20.0	0.3
20°-30°	53.6	0.9
30°-40°	123.5	2.0
40°-50°	242.1	3.9
50°-60°	431.4	7.0
60°-70°	626.4	10.1
70°-80°	760.2	12.3
80°-90°	826.1	13.4
90°-100°	826.1	13.4
100°-110°	760.2	12.3
110°-120°	626.4	10.1
120°-130°	431.4	7.0
130°-140°	242.1	3.9
140°-150°	123.5	2.0
150°-160°	53.6	0.9
160°-170°	20.0	0.3
170°-180°	2.8	0.0
0°-30°	76.4	1.2
0°-40°	199.9	3.2
0°-60°	873.4	14.1
0°-90°	3086.1	50.0
90°-120°	2212.7	35.9
90°-150°	3009.7	48.8
90°-180°	3086.0	50.0
0°-180°	6172.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	45	13	0	13	45	6
15°	162	37	0	37	162	46
25°	223	76	0	76	223	110
35°	479	164	0	164	479	313
45°	1020	251	1	251	1020	821
55°	1972	295	1	295	1972	1745
65°	2428	340	1	340	2428	2408
75°	2663	349	2	349	2663	2802
85°	2733	346	0	346	2733	2231
90°	2738	345	0	345	2738	1503
95°	2733	346	0	346	2733	2231
105°	2663	349	2	349	2663	2802
115°	2428	340	1	340	2428	2408
125°	1972	295	1	295	1972	1745
135°	1020	251	1	251	1020	821
145°	479	164	0	164	479	313
155°	223	76	0	76	223	110
165°	162	37	0	37	162	46
175°	45	13	0	13	45	6
180°	0	0	0	0	0	



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

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°	19.4	19.7	19.9	20.2	20.4	20.7	20.9	20.3	20.3	20.3	20.2
5°	45.0	45.5	46.0	46.5	47.0	46.3	46.3	46.1	45.9	45.5	45.1
7.5°	73.2	73.9	74.6	75.2	74.6	74.6	74.4	74.1	73.5	72.9	72.1
10°	98.8	99.6	100.4	101.2	100.4	100.4	100.1	99.6	99.0	98.2	97.3
12.5°	129.7	130.4	131.1	130.5	130.2	129.6	128.8	127.7	126.4	124.9	123.1
15°	162.3	162.6	163.0	161.7	160.8	159.6	158.1	156.4	154.4	152.1	149.7
17.5°	187.0	187.5	188.0	186.9	186.2	185.2	183.7	182.0	179.8	177.4	174.5
20°	193.2	194.9	196.6	197.5	198.5	199.2	199.5	199.4	198.9	197.8	196.3
22.5°	205.6	208.6	211.5	213.2	215.0	216.3	217.1	217.3	216.9	215.9	214.2
25°	223.2	227.6	231.2	234.4	237.1	239.1	240.5	241.0	240.8	239.7	237.7
27.5°	254.1	259.2	262.9	266.1	268.6	270.3	271.2	271.3	270.5	268.9	266.9
30°	313.2	317.8	319.6	320.7	320.6	319.2	316.7	313.2	308.6	303.2	300.5
32.5°	390.0	393.1	392.2	390.5	387.1	382.3	376.2	368.9	360.7	352.5	345.0
35°	479.1	480.3	476.3	471.3	464.3	455.4	444.8	432.9	419.7	407.8	395.8
37.5°	580.5	580.0	572.9	564.5	553.3	539.6	523.5	505.3	485.9	468.9	451.2
40°	712.9	709.4	696.7	682.3	664.1	642.5	617.8	590.6	564.3	539.4	513.1
42.5°	855.8	851.3	835.6	817.2	793.7	765.1	731.7	693.8	658.5	622.6	585.2
45°	1019.9	1012.7	991.6	967.6	937.8	902.5	862.2	823.0	771.7	721.4	670.1
47.5°	1224.6	1213.9	1184.4	1151.0	1109.5	1060.7	1005.1	948.4	894.1	836.2	778.1
50°	1482.2	1467.7	1427.2	1381.3	1324.1	1256.4	1179.2	1105.6	1031.4	952.9	886.4
52.5°	1767.1	1744.1	1690.7	1632.1	1562.0	1482.1	1394.0	1299.1	1194.9	1093.1	1004.3
55°	1971.8	1941.2	1886.8	1828.8	1762.4	1689.0	1604.8	1496.7	1378.9	1257.6	1135.6
57.5°	2141.2	2103.1	2043.6	1981.0	1911.3	1835.9	1751.4	1660.1	1562.5	1421.2	1283.2
60°	2259.4	2219.1	2161.1	2099.2	2029.6	1952.7	1871.3	1789.0	1691.1	1569.7	1428.7
62.5°	2362.7	2317.3	2263.0	2200.0	2128.3	2049.5	1973.1	1893.8	1801.1	1699.9	1558.6
65°	2428.0	2391.3	2345.7	2289.0	2219.5	2142.4	2062.0	1976.4	1887.7	1789.9	1677.0
67.5°	2499.4	2466.0	2423.5	2370.6	2306.7	2228.7	2142.8	2051.9	1955.8	1859.7	1755.6
70°	2554.1	2531.7	2498.3	2450.3	2380.8	2299.8	2213.3	2117.8	2018.2	1917.5	1822.6
72.5°	2614.1	2596.5	2568.1	2527.6	2451.1	2358.9	2268.8	2171.6	2073.7	1975.2	1876.1
75°	2662.6	2648.8	2625.3	2576.9	2494.5	2403.1	2308.3	2220.5	2121.9	2020.0	1919.1
77.5°	2682.9	2681.8	2669.5	2619.7	2540.1	2434.5	2346.5	2258.0	2160.6	2053.7	1949.2
80°	2709.4	2706.0	2693.1	2658.6	2584.8	2481.8	2379.1	2288.2	2189.3	2077.8	1969.4
82.5°	2732.3	2723.1	2708.3	2677.2	2611.4	2505.5	2400.5	2302.2	2205.2	2101.3	1993.1
85°	2733.2	2741.9	2725.5	2691.2	2622.0	2512.8	2411.7	2316.6	2219.6	2117.4	2008.1
87.5°	2744.7	2748.0	2727.4	2699.1	2638.1	2527.0	2423.1	2319.4	2222.9	2120.8	2013.5
90°	2738.5	2743.8	2712.9	2697.0	2634.4	2518.8	2420.9	2308.8	2214.4	2112.1	2008.9
92.5°	2744.7	2748.0	2727.4	2699.1	2638.1	2527.0	2423.1	2319.4	2222.9	2120.8	2013.5
95°	2733.2	2741.9	2725.5	2691.2	2622.0	2512.8	2411.7	2316.6	2219.6	2117.4	2008.1
97.5°	2732.3	2723.1	2708.3	2677.2	2611.4	2505.5	2400.5	2302.2	2205.2	2101.3	1993.1
100°	2709.4	2706.0	2693.1	2658.6	2584.8	2481.8	2379.1	2288.2	2189.3	2077.8	1969.4
102.5°	2682.9	2681.8	2669.5	2619.7	2540.1	2434.5	2346.5	2258.0	2160.6	2053.7	1949.2
105°	2662.6	2648.8	2625.3	2576.9	2494.5	2403.1	2308.3	2220.5	2121.9	2020.0	1919.1
107.5°	2614.1	2596.5	2568.1	2527.6	2451.1	2358.9	2268.8	2171.6	2073.7	1975.2	1876.1
110°	2554.1	2531.7	2498.3	2450.3	2380.8	2299.8	2213.3	2117.8	2018.2	1917.5	1822.6



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2499.4	2466.0	2423.5	2370.6	2306.7	2228.7	2142.8	2051.9	1955.8	1859.7	1755.6
115°	2428.0	2391.3	2345.7	2289.0	2219.5	2142.4	2062.0	1976.4	1887.7	1789.9	1677.0
117.5°	2362.7	2317.3	2263.0	2200.0	2128.3	2049.5	1973.1	1893.8	1801.1	1699.9	1558.6
120°	2259.4	2219.1	2161.1	2099.2	2029.6	1952.7	1871.3	1789.0	1691.1	1569.7	1428.7
122.5°	2141.2	2103.1	2043.6	1981.0	1911.3	1835.9	1751.4	1660.1	1562.5	1421.2	1283.2
125°	1971.8	1941.2	1886.8	1828.8	1762.4	1689.0	1604.8	1496.7	1378.9	1257.6	1135.6
127.5°	1767.1	1744.1	1690.7	1632.1	1562.0	1482.1	1394.0	1299.1	1194.9	1093.1	1004.3
130°	1482.2	1467.7	1427.2	1381.3	1324.1	1256.4	1179.2	1105.6	1031.4	952.9	886.4
132.5°	1224.6	1213.9	1184.4	1151.0	1109.5	1060.7	1005.1	948.4	894.1	836.2	778.1
135°	1019.9	1012.7	991.6	967.6	937.8	902.5	862.2	823.0	771.7	721.4	670.1
137.5°	855.8	851.3	835.6	817.2	793.7	765.1	731.7	693.8	658.5	622.6	585.2
140°	712.9	709.4	696.7	682.3	664.1	642.5	617.8	590.6	564.3	539.4	513.1
142.5°	580.5	580.0	572.9	564.5	553.3	539.6	523.5	505.3	485.9	468.9	451.2
145°	479.1	480.3	476.3	471.3	464.3	455.4	444.8	432.9	419.7	407.8	395.8
147.5°	390.0	393.1	392.2	390.5	387.1	382.3	376.2	368.9	360.7	352.5	345.0
150°	313.2	317.8	319.6	320.7	320.6	319.2	316.7	313.2	308.6	303.2	300.5
152.5°	254.1	259.2	262.9	266.1	268.6	270.3	271.2	271.3	270.5	268.9	266.9
155°	223.2	227.6	231.2	234.4	237.1	239.1	240.5	241.0	240.8	239.7	237.7
157.5°	205.6	208.6	211.5	213.2	215.0	216.3	217.1	217.3	216.9	215.9	214.2
160°	193.2	194.9	196.6	197.5	198.5	199.2	199.5	199.4	198.9	197.8	196.3
162.5°	187.0	187.5	188.0	186.9	186.2	185.2	183.7	182.0	179.8	177.4	174.5
165°	162.3	162.6	163.0	161.7	160.8	159.6	158.1	156.4	154.4	152.1	149.7
167.5°	129.7	130.4	131.1	130.5	130.2	129.6	128.8	127.7	126.4	124.9	123.1
170°	98.8	99.6	100.4	101.2	100.4	100.4	100.1	99.6	99.0	98.2	97.3
172.5°	73.2	73.9	74.6	75.2	74.6	74.6	74.4	74.1	73.5	72.9	72.1
175°	45.0	45.5	46.0	46.5	47.0	46.3	46.3	46.1	45.9	45.5	45.1
177.5°	19.4	19.7	19.9	20.2	20.4	20.7	20.9	20.3	20.3	20.3	20.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	20.1	19.9	19.7	19.5	19.2	18.9	18.6	18.2	17.8	17.4	16.9
5°	44.6	44.0	43.3	42.4	41.5	40.6	39.5	38.3	37.1	35.8	34.4
7.5°	71.1	70.0	68.7	67.4	65.8	64.2	62.4	60.5	58.4	56.4	54.3
10°	96.1	94.8	93.3	91.7	89.9	88.0	85.8	83.2	80.5	77.7	74.7
12.5°	121.2	119.0	116.7	114.2	111.6	109.2	106.6	103.8	100.9	97.8	94.6
15°	147.0	144.1	141.1	137.9	134.6	131.1	127.4	123.6	119.7	115.9	112.1
17.5°	171.4	167.9	164.1	160.1	156.1	151.9	147.7	143.3	138.7	134.0	129.2
20°	194.2	190.7	186.3	181.6	176.5	171.0	165.8	160.9	155.9	150.9	145.6
22.5°	212.0	209.5	206.3	202.3	197.6	191.6	185.0	178.1	171.0	165.4	159.9
25°	235.6	232.5	228.6	223.6	218.3	212.2	205.2	197.3	189.2	180.6	172.7
27.5°	264.3	260.5	255.6	250.0	243.7	236.3	228.9	218.9	208.8	198.2	188.3
30°	297.0	292.6	288.1	281.0	273.2	264.2	254.7	244.0	234.1	225.3	216.3
32.5°	336.7	327.7	320.7	313.9	306.2	296.6	286.1	275.5	265.5	255.1	245.5
35°	383.4	371.3	360.4	349.0	338.6	329.4	319.5	307.9	295.9	284.5	273.2
37.5°	432.9	417.3	402.6	389.8	375.3	361.7	350.0	338.7	326.3	313.1	300.6
40°	487.3	466.6	447.2	430.0	413.4	397.3	382.1	367.6	354.9	341.3	327.3
42.5°	553.0	524.2	496.7	474.8	454.2	434.0	415.1	398.5	382.3	368.1	353.5
45°	630.6	589.3	554.9	522.7	495.9	471.3	449.9	429.1	411.2	393.9	378.5
47.5°	720.3	665.6	619.6	576.0	541.6	511.0	484.7	461.5	439.4	420.4	402.7
50°	818.3	753.6	690.8	638.4	590.2	552.6	520.5	493.0	468.9	446.5	426.7
52.5°	917.5	842.4	769.6	703.9	646.3	594.9	557.0	525.2	498.5	472.6	461.3
55°	1029.8	932.2	849.1	770.6	703.7	644.3	592.0	557.8	535.9	519.6	509.9
57.5°	1151.7	1031.4	928.7	839.7	759.3	694.1	642.6	603.6	577.9	561.8	553.4
60°	1276.7	1137.5	1012.1	906.6	824.3	754.6	696.9	647.8	618.7	600.7	592.4
62.5°	1402.7	1240.0	1103.5	991.1	894.9	812.4	749.1	696.3	656.8	634.8	627.1
65°	1518.3	1356.5	1202.7	1074.2	967.0	874.4	797.1	739.2	693.6	669.1	660.4
67.5°	1630.7	1463.8	1303.1	1157.2	1033.6	930.6	844.8	781.3	732.8	701.6	690.0
70°	1703.6	1552.5	1394.7	1231.1	1098.9	987.8	893.5	819.1	767.2	731.1	716.2
72.5°	1771.7	1620.1	1457.2	1299.9	1156.4	1037.4	936.3	854.5	797.9	760.6	744.0
75°	1814.6	1681.6	1506.7	1353.5	1202.4	1081.0	977.9	891.4	831.8	791.5	770.0
77.5°	1851.6	1733.1	1547.1	1394.7	1249.9	1125.3	1020.0	929.8	863.5	820.4	795.2
80°	1873.4	1760.5	1597.0	1431.0	1288.6	1160.6	1055.8	963.6	892.3	847.4	819.7
82.5°	1892.0	1783.8	1631.1	1457.1	1316.5	1187.3	1085.5	993.0	918.4	872.6	843.4
85°	1902.7	1800.5	1649.8	1473.1	1334.5	1206.3	1109.5	1018.1	942.0	896.3	866.6
87.5°	1905.1	1814.6	1660.2	1483.7	1347.1	1221.0	1130.5	1041.0	964.3	919.1	889.4
90°	1899.5	1806.8	1645.4	1476.9	1344.5	1225.4	1142.5	1056.9	982.8	939.6	911.4
92.5°	1905.1	1814.6	1660.2	1483.7	1347.1	1221.0	1130.5	1041.0	964.3	919.1	889.4
95°	1902.7	1800.5	1649.8	1473.1	1334.5	1206.3	1109.5	1018.1	942.0	896.3	866.6
97.5°	1892.0	1783.8	1631.1	1457.1	1316.5	1187.3	1085.5	993.0	918.4	872.6	843.4
100°	1873.4	1760.5	1597.0	1431.0	1288.6	1160.6	1055.8	963.6	892.3	847.4	819.7
102.5°	1851.6	1733.1	1547.1	1394.7	1249.9	1125.3	1020.0	929.8	863.5	820.4	795.2
105°	1814.6	1681.6	1506.7	1353.5	1202.4	1081.0	977.9	891.4	831.8	791.5	770.0
107.5°	1771.7	1620.1	1457.2	1299.9	1156.4	1037.4	936.3	854.5	797.9	760.6	744.0
110°	1703.6	1552.5	1394.7	1231.1	1098.9	987.8	893.5	819.1	767.2	731.1	716.2



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	1630.7	1463.8	1303.1	1157.2	1033.6	930.6	844.8	781.3	732.8	701.6	690.0
115°	1518.3	1356.5	1202.7	1074.2	967.0	874.4	797.1	739.2	693.6	669.1	660.4
117.5°	1402.7	1240.0	1103.5	991.1	894.9	812.4	749.1	696.3	656.8	634.8	627.1
120°	1276.7	1137.5	1012.1	906.6	824.3	754.6	696.9	647.8	618.7	600.7	592.4
122.5°	1151.7	1031.4	928.7	839.7	759.3	694.1	642.6	603.6	577.9	561.8	553.4
125°	1029.8	932.2	849.1	770.6	703.7	644.3	592.0	557.8	535.9	519.6	509.9
127.5°	917.5	842.4	769.6	703.9	646.3	594.9	557.0	525.2	498.5	472.6	461.3
130°	818.3	753.6	690.8	638.4	590.2	552.6	520.5	493.0	468.9	446.5	426.7
132.5°	720.3	665.6	619.6	576.0	541.6	511.0	484.7	461.5	439.4	420.4	402.7
135°	630.6	589.3	554.9	522.7	495.9	471.3	449.9	429.1	411.2	393.9	378.5
137.5°	553.0	524.2	496.7	474.8	454.2	434.0	415.1	398.5	382.3	368.1	353.5
140°	487.3	466.6	447.2	430.0	413.4	397.3	382.1	367.6	354.9	341.3	327.3
142.5°	432.9	417.3	402.6	389.8	375.3	361.7	350.0	338.7	326.3	313.1	300.6
145°	383.4	371.3	360.4	349.0	338.6	329.4	319.5	307.9	295.9	284.5	273.2
147.5°	336.7	327.7	320.7	313.9	306.2	296.6	286.1	275.5	265.5	255.1	245.5
150°	297.0	292.6	288.1	281.0	273.2	264.2	254.8	244.0	234.1	225.3	216.3
152.5°	264.3	260.5	255.6	250.0	243.7	236.3	228.9	218.9	208.8	198.2	188.3
155°	235.6	232.5	228.6	223.6	218.3	212.2	205.2	197.3	189.2	180.6	172.7
157.5°	212.0	209.5	206.3	202.3	197.6	191.6	185.0	178.1	171.0	165.4	159.9
160°	194.2	190.7	186.3	181.6	176.5	171.0	165.8	160.9	155.9	150.9	145.6
162.5°	171.4	167.9	164.1	160.1	156.1	151.9	147.7	143.3	138.7	134.0	129.2
165°	147.0	144.1	141.1	137.9	134.6	131.1	127.4	123.6	119.7	115.9	112.1
167.5°	121.2	119.0	116.7	114.2	111.6	109.2	106.6	103.8	100.9	97.8	94.6
170°	96.1	94.8	93.3	91.7	89.9	88.0	85.8	83.2	80.5	77.7	74.7
172.5°	71.1	70.0	68.7	67.4	65.8	64.2	62.4	60.5	58.4	56.4	54.3
175°	44.6	44.0	43.3	42.4	41.5	40.6	39.5	38.3	37.1	35.8	34.4
177.5°	20.1	19.9	19.7	19.5	19.2	18.9	18.6	18.2	17.8	17.4	16.9
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: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	16.4	15.9	15.3	14.7	14.1	13.5	12.8	12.2	11.5	10.7	10.0
5°	32.9	31.4	29.8	28.6	27.4	26.1	24.8	23.4	22.0	20.6	19.1
7.5°	52.1	49.8	47.4	44.9	42.3	39.6	36.9	34.7	32.6	30.4	28.2
10°	71.5	68.3	65.1	61.6	58.1	54.6	50.9	47.1	43.3	40.2	37.2
12.5°	90.8	86.8	82.6	78.3	73.8	69.3	64.8	60.1	55.3	50.4	46.3
15°	108.2	104.0	100.4	94.6	89.4	84.0	78.4	72.9	67.2	61.4	55.5
17.5°	124.9	119.6	114.8	109.8	104.4	98.3	92.0	85.5	78.9	72.2	65.4
20°	140.2	134.7	129.1	123.5	117.8	112.0	105.0	97.8	90.5	83.0	75.2
22.5°	154.5	148.7	142.7	136.6	130.4	124.1	117.6	109.8	101.7	93.5	84.9
25°	166.3	160.8	155.0	148.6	144.7	140.5	135.9	130.7	123.8	116.7	108.6
27.5°	181.7	178.0	175.8	173.2	169.4	165.4	161.0	156.2	149.9	142.5	134.2
30°	209.3	202.8	198.3	196.0	193.2	189.3	185.1	180.5	176.0	167.8	159.9
32.5°	236.0	228.4	221.9	217.7	215.3	212.2	208.3	204.0	199.5	192.7	184.5
35°	262.8	253.1	245.7	239.6	236.4	234.1	230.6	227.1	222.6	217.3	208.9
37.5°	288.4	277.9	268.2	261.9	256.9	254.6	252.2	248.7	245.1	241.2	233.0
40°	314.0	301.2	291.2	282.5	277.6	274.4	272.8	270.0	266.8	263.6	256.8
42.5°	338.6	325.1	312.6	303.5	297.4	293.6	292.4	290.6	288.0	285.5	280.3
45°	363.0	347.7	334.3	323.7	315.7	312.8	311.4	310.6	308.7	306.9	303.5
47.5°	386.1	370.2	355.6	342.9	334.8	334.3	337.6	338.9	336.7	332.6	327.1
50°	408.8	394.1	391.3	391.9	392.4	390.2	385.7	380.2	372.0	361.8	351.5
52.5°	455.0	452.5	453.0	456.2	459.0	451.4	439.0	425.1	409.8	392.7	376.9
55°	505.9	506.7	510.5	516.8	526.1	516.0	496.5	473.1	450.1	425.8	403.5
57.5°	552.0	556.2	564.2	574.5	587.9	583.2	558.0	524.1	492.6	460.7	431.3
60°	592.9	601.6	614.2	629.3	647.0	652.7	623.1	578.1	537.5	497.3	460.2
62.5°	630.9	643.3	660.9	681.2	703.6	724.4	690.0	635.8	584.4	535.2	489.9
65°	665.3	681.2	704.3	730.5	758.1	788.5	756.7	695.7	632.9	574.3	520.4
67.5°	695.9	715.6	745.0	777.4	811.0	846.9	824.7	757.5	682.7	614.3	551.4
70°	723.8	748.4	783.4	820.2	852.7	882.3	862.0	787.6	703.3	627.8	558.9
72.5°	747.7	766.9	798.2	834.2	864.0	884.3	868.1	796.3	711.4	634.5	562.5
75°	767.3	780.9	810.3	848.6	878.1	889.9	873.4	803.3	718.6	640.6	565.6
77.5°	788.1	796.2	822.5	863.4	894.5	898.3	877.8	808.6	724.8	646.1	568.3
80°	809.9	812.7	835.2	878.9	912.8	908.8	881.3	812.5	730.0	651.0	570.5
82.5°	832.3	830.2	848.4	895.0	932.4	920.9	883.8	814.8	734.2	655.3	574.3
85°	855.1	848.5	862.5	911.9	952.9	935.5	887.4	818.0	739.3	660.5	574.3
87.5°	878.2	867.3	876.8	929.2	974.0	947.2	886.2	816.2	740.2	662.0	574.3
90°	900.8	886.7	893.7	948.4	994.3	959.0	884.9	814.3	741.1	663.5	574.3
92.5°	878.2	867.3	876.8	929.2	974.0	947.2	886.2	816.2	740.2	662.0	574.3
95°	855.1	848.5	862.5	911.9	952.9	935.5	887.4	818.0	739.3	660.5	574.3
97.5°	832.3	830.2	848.4	895.0	932.4	920.9	883.8	814.8	734.2	655.3	574.3
100°	809.9	812.7	835.2	878.9	912.8	908.8	881.3	812.5	730.0	651.0	570.5
102.5°	788.1	796.2	822.5	863.4	894.5	898.3	877.8	808.6	724.8	646.1	568.3
105°	767.3	780.9	810.3	848.6	878.1	889.9	873.4	803.3	718.6	640.6	565.6
107.5°	747.7	766.9	798.2	834.2	864.0	884.3	868.1	796.3	711.4	634.5	562.5
110°	723.8	748.4	783.4	820.2	852.7	882.3	862.0	787.6	703.3	627.8	558.9



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	695.9	715.6	745.0	777.4	811.0	846.9	824.7	757.5	682.7	614.3	551.4
115°	665.3	681.2	704.3	730.5	758.1	788.5	756.7	695.7	632.9	574.3	520.4
117.5°	630.9	643.3	660.9	681.2	703.6	724.4	690.0	635.8	584.4	535.2	489.9
120°	592.9	601.6	614.2	629.3	647.0	652.7	623.1	578.1	537.5	497.3	460.2
122.5°	552.0	556.2	564.2	574.5	587.9	583.2	558.0	524.1	492.6	460.7	431.3
125°	505.9	506.7	510.5	516.8	526.1	516.0	496.5	473.1	450.1	425.8	403.5
127.5°	455.0	452.5	453.0	456.2	459.0	451.4	439.0	425.1	409.8	392.7	376.9
130°	408.8	394.1	391.3	391.9	392.4	390.2	385.7	380.2	372.0	361.8	351.5
132.5°	386.1	370.2	355.6	342.9	334.8	334.3	337.6	338.9	336.7	332.6	327.1
135°	363.0	347.7	334.3	323.7	315.7	312.8	311.4	310.6	308.7	306.9	303.5
137.5°	338.6	325.1	312.6	303.5	297.4	293.6	292.4	290.6	288.0	285.5	280.3
140°	314.0	301.2	291.2	282.5	277.6	274.4	272.8	270.0	266.8	263.6	256.8
142.5°	288.4	277.9	268.2	261.9	256.9	254.6	252.2	248.7	245.1	241.2	233.0
145°	262.8	253.1	245.7	239.6	236.4	234.1	230.6	227.1	222.6	217.3	208.9
147.5°	236.0	228.4	221.9	217.7	215.3	212.2	208.3	204.0	199.5	192.7	184.5
150°	209.3	202.8	198.3	196.0	193.2	189.3	185.1	180.5	176.0	167.8	159.9
152.5°	181.7	178.0	175.8	173.2	169.4	165.4	161.0	156.2	149.9	142.5	134.2
155°	166.3	160.8	155.0	148.6	144.7	140.5	135.9	130.7	123.8	116.7	108.6
157.5°	154.5	148.7	142.7	136.6	130.4	124.1	117.6	109.8	101.7	93.5	84.9
160°	140.2	134.7	129.1	123.5	117.8	112.0	105.0	97.8	90.5	83.0	75.2
162.5°	124.9	119.6	114.8	109.8	104.4	98.3	92.0	85.5	78.9	72.2	65.4
165°	108.2	104.0	100.4	94.6	89.4	84.0	78.4	72.9	67.2	61.4	55.5
167.5°	90.8	86.8	82.6	78.3	73.8	69.3	64.8	60.1	55.3	50.4	46.3
170°	71.5	68.3	65.1	61.6	58.1	54.6	50.9	47.1	43.3	40.2	37.2
172.5°	52.1	49.8	47.4	44.9	42.3	39.6	36.9	34.7	32.6	30.4	28.2
175°	32.9	31.4	29.8	28.6	27.4	26.1	24.8	23.4	22.0	20.6	19.1
177.5°	16.4	15.9	15.3	14.7	14.1	13.5	12.8	12.2	11.5	10.7	10.0
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: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	9.2	8.5	7.7	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3
5°	17.6	16.0	14.5	12.9	12.7	12.6	12.5	12.3	12.1	11.9	11.6
7.5°	25.9	23.6	21.2	18.8	18.7	18.5	18.2	17.9	17.6	17.3	16.9
10°	34.2	31.1	28.0	24.8	24.6	24.3	23.9	23.6	23.1	22.7	22.4
12.5°	42.5	38.7	34.8	30.8	30.5	30.1	29.6	29.1	28.7	28.3	27.9
15°	50.8	46.2	41.5	36.8	36.3	35.9	35.3	34.8	34.3	33.8	33.3
17.5°	59.1	53.7	48.3	42.7	42.2	41.6	41.0	40.4	39.9	39.4	38.8
20°	67.4	61.2	55.0	48.7	48.1	47.4	46.7	46.1	45.5	44.9	44.3
22.5°	76.2	68.7	61.7	54.7	54.0	53.1	52.4	51.8	51.1	50.5	49.9
25°	100.0	91.7	84.3	76.5	74.9	73.0	71.0	68.9	66.6	64.4	62.0
27.5°	124.8	115.2	106.9	98.2	95.9	93.1	90.3	87.2	84.0	80.8	77.5
30°	149.5	138.8	129.6	120.0	116.7	113.0	109.1	104.9	100.8	96.5	92.1
32.5°	174.1	162.7	152.3	141.8	137.4	132.7	127.6	122.2	116.9	111.5	106.0
35°	198.7	186.5	175.0	163.5	158.1	152.2	145.7	139.1	132.4	125.8	119.2
37.5°	223.2	210.2	197.7	185.3	178.6	171.4	163.5	155.5	147.6	139.6	131.6
40°	247.6	233.9	220.5	207.1	199.1	190.4	180.9	171.4	161.9	152.8	143.2
42.5°	271.7	257.6	243.2	228.8	219.5	209.2	198.5	186.9	176.1	165.9	154.1
45°	295.1	281.1	265.9	250.6	239.8	227.8	215.0	202.0	189.8	177.5	164.5
47.5°	314.8	297.7	279.2	261.8	248.8	234.9	220.7	207.1	195.0	182.8	169.8
50°	334.9	314.3	292.5	272.9	257.6	241.2	225.0	210.0	196.8	184.0	170.4
52.5°	355.9	331.3	305.9	284.1	266.3	247.3	229.2	212.9	198.5	185.5	171.7
55°	377.6	348.5	319.3	295.3	274.9	253.2	233.2	215.7	200.3	187.2	173.6
57.5°	400.1	366.1	332.8	306.4	283.4	259.0	237.2	218.4	202.5	189.2	176.1
60°	423.1	383.8	346.3	317.6	291.8	264.7	241.1	221.1	204.8	191.6	179.8
62.5°	446.6	401.8	359.8	328.8	300.2	270.2	244.9	223.8	207.3	194.6	183.1
65°	470.5	419.9	373.4	339.9	308.5	275.6	248.7	226.4	210.0	197.9	187.5
67.5°	494.8	438.1	386.9	351.1	316.8	281.0	252.4	229.1	212.8	201.6	192.2
70°	499.6	441.5	389.6	350.4	314.3	277.8	249.5	226.8	211.6	201.3	193.1
72.5°	502.6	444.3	392.2	349.7	311.7	274.5	246.3	224.1	209.4	199.5	191.7
75°	505.1	446.8	396.5	349.1	309.1	271.3	243.2	221.6	207.5	197.7	190.4
77.5°	507.3	449.1	398.6	348.4	306.5	268.2	240.4	219.3	205.6	196.1	189.4
80°	509.1	452.7	400.8	347.7	304.0	265.3	237.7	217.3	203.9	194.6	188.5
82.5°	512.0	453.8	402.9	347.0	301.6	262.5	235.1	215.4	202.4	193.2	187.8
85°	512.2	454.8	405.1	346.4	299.2	259.8	232.8	213.8	201.0	191.9	187.1
87.5°	512.4	455.9	407.2	345.7	296.9	257.3	230.5	212.3	199.7	190.8	186.6
90°	512.6	457.0	409.4	345.0	294.7	255.0	228.5	210.9	198.5	189.7	186.2
92.5°	512.4	455.9	407.2	345.7	296.9	257.3	230.5	212.3	199.7	190.8	186.6
95°	512.2	454.8	405.1	346.4	299.2	259.8	232.8	213.8	201.0	191.9	187.1
97.5°	512.0	453.8	402.9	347.0	301.6	262.5	235.1	215.4	202.4	193.2	187.8
100°	509.1	452.7	400.8	347.7	304.0	265.3	237.7	217.3	203.9	194.6	188.5
102.5°	507.3	449.1	398.6	348.4	306.5	268.2	240.4	219.3	205.6	196.1	189.4
105°	505.1	446.8	396.5	349.1	309.1	271.3	243.2	221.6	207.5	197.7	190.4
107.5°	502.6	444.3	392.2	349.7	311.7	274.5	246.3	224.1	209.4	199.5	191.7
110°	499.6	441.5	389.6	350.4	314.3	277.8	249.5	226.8	211.6	201.3	193.1



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	494.8	438.1	386.9	351.1	316.8	281.0	252.4	229.1	212.8	201.6	192.2
115°	470.5	419.9	373.4	339.9	308.5	275.6	248.7	226.4	210.0	197.9	187.5
117.5°	446.6	401.8	359.8	328.8	300.2	270.2	244.9	223.8	207.3	194.6	183.1
120°	423.1	383.8	346.3	317.6	291.8	264.7	241.1	221.1	204.8	191.6	179.8
122.5°	400.1	366.1	332.8	306.4	283.4	259.0	237.2	218.4	202.5	189.2	176.1
125°	377.6	348.5	319.3	295.3	274.9	253.2	233.2	215.7	200.3	187.2	173.6
127.5°	355.9	331.3	305.9	284.1	266.3	247.3	229.2	212.9	198.5	185.5	171.7
130°	334.9	314.3	292.5	272.9	257.6	241.2	225.0	210.0	196.8	184.0	170.4
132.5°	314.8	297.7	279.2	261.8	248.8	234.9	220.7	207.1	195.0	182.8	169.8
135°	295.1	281.1	265.9	250.6	239.8	227.8	215.0	202.0	189.8	177.5	164.5
137.5°	271.7	257.6	243.2	228.8	219.5	209.2	198.5	186.9	176.1	165.9	154.1
140°	247.6	233.9	220.5	207.1	199.1	190.4	180.9	171.4	161.9	152.8	143.2
142.5°	223.2	210.2	197.7	185.3	178.6	171.4	163.5	155.5	147.6	139.6	131.6
145°	198.7	186.5	175.0	163.5	158.1	152.2	145.7	139.1	132.4	125.8	119.2
147.5°	174.1	162.7	152.3	141.8	137.4	132.7	127.6	122.2	116.9	111.5	106.0
150°	149.5	138.8	129.6	120.0	116.7	113.0	109.1	104.9	100.8	96.5	92.1
152.5°	124.8	115.2	106.9	98.2	95.9	93.1	90.3	87.2	84.0	80.8	77.5
155°	100.0	91.7	84.3	76.5	74.9	73.0	71.0	68.9	66.6	64.4	62.0
157.5°	76.2	68.7	61.7	54.7	54.0	53.1	52.4	51.8	51.1	50.5	49.9
160°	67.4	61.2	55.0	48.7	48.1	47.4	46.7	46.1	45.5	44.9	44.3
162.5°	59.1	53.7	48.3	42.7	42.2	41.6	41.0	40.4	39.9	39.4	38.8
165°	50.8	46.2	41.5	36.8	36.3	35.9	35.3	34.8	34.3	33.8	33.3
167.5°	42.5	38.7	34.8	30.8	30.5	30.1	29.6	29.1	28.7	28.3	27.9
170°	34.2	31.1	28.0	24.8	24.6	24.3	23.9	23.6	23.1	22.7	22.4
172.5°	25.9	23.6	21.2	18.8	18.7	18.5	18.2	17.9	17.6	17.3	16.9
175°	17.6	16.0	14.5	12.9	12.7	12.6	12.5	12.3	12.1	11.9	11.6
177.5°	9.2	8.5	7.7	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.9	4.7	4.4
5°	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.6	8.3
7.5°	16.6	16.3	15.9	15.6	15.2	14.8	14.3	13.8	13.4	12.8	12.3
10°	22.0	21.6	21.1	20.6	20.1	19.6	19.0	18.4	17.8	17.2	16.5
12.5°	27.4	26.8	26.3	25.8	25.2	24.5	23.8	23.1	22.2	21.4	20.4
15°	32.7	32.2	31.6	31.0	30.3	29.4	28.5	27.5	26.5	25.4	24.3
17.5°	38.2	37.6	36.9	36.1	35.1	34.1	33.0	31.8	30.7	29.4	28.1
20°	43.7	43.0	42.0	41.0	39.9	38.7	37.4	36.1	34.8	33.6	32.3
22.5°	49.2	48.2	47.1	45.8	44.6	43.2	41.9	40.7	39.4	38.0	36.3
25°	59.3	56.5	53.5	50.7	49.3	48.0	46.7	45.4	43.7	41.9	40.1
27.5°	73.9	70.2	66.4	62.7	59.2	55.9	52.7	49.7	47.8	46.1	44.4
30°	87.6	82.9	78.2	73.5	69.1	64.8	60.7	57.0	53.9	51.1	48.3
32.5°	100.3	94.5	88.6	82.8	77.2	71.9	67.2	63.2	59.4	55.6	52.0
35°	112.2	105.1	97.6	90.5	83.8	77.8	72.6	67.8	63.1	59.0	55.8
37.5°	123.2	114.2	105.3	97.0	89.2	82.7	76.6	71.0	66.2	62.5	58.9
40°	133.2	122.2	111.9	102.2	93.9	86.3	79.5	73.8	69.4	65.3	61.3
42.5°	141.9	129.1	117.4	106.8	97.4	89.2	82.0	76.8	72.1	67.7	63.6
45°	149.6	135.3	122.0	110.6	100.4	91.2	85.0	79.5	74.6	70.0	65.7
47.5°	154.7	140.3	126.2	113.4	102.7	94.1	87.6	82.1	77.0	72.2	68.3
50°	155.7	141.8	128.8	116.6	105.2	97.1	90.4	84.5	79.3	74.9	70.8
52.5°	157.7	144.2	131.7	120.6	111.2	103.6	96.5	89.1	81.9	77.6	73.2
55°	160.3	147.7	135.7	125.4	117.9	111.4	104.9	97.9	90.7	83.2	76.2
57.5°	163.7	151.7	140.9	131.8	125.4	120.1	114.1	107.0	99.1	90.3	82.3
60°	167.6	156.4	146.7	139.4	134.2	129.5	124.0	116.0	106.2	96.3	87.2
62.5°	172.2	161.6	153.1	147.6	143.6	139.6	133.6	124.6	112.5	101.3	91.4
65°	177.4	167.7	160.2	156.3	153.7	150.2	142.9	131.5	118.0	105.6	94.8
67.5°	183.0	174.5	168.6	165.7	164.4	161.3	152.2	137.8	122.9	109.6	97.6
70°	185.3	178.8	175.4	175.2	175.2	171.8	161.1	143.6	127.4	113.0	99.9
72.5°	184.3	178.6	175.5	175.3	176.1	173.7	163.9	147.8	131.5	116.1	101.9
75°	183.7	178.6	175.5	175.2	175.8	172.9	163.1	148.4	133.0	117.9	103.6
77.5°	183.2	178.7	175.4	175.0	175.6	172.8	163.5	150.1	134.9	119.7	105.5
80°	183.0	178.9	175.3	174.7	175.4	173.3	165.0	152.7	137.4	122.2	107.9
82.5°	182.9	179.3	175.1	174.3	175.2	174.2	167.3	156.0	140.3	125.1	110.9
85°	183.0	179.7	174.9	173.8	175.1	175.4	170.2	160.0	143.8	128.7	114.5
87.5°	183.2	180.3	174.8	173.4	174.9	176.8	173.6	164.5	147.9	132.9	118.7
90°	183.5	180.9	174.7	172.9	174.7	178.2	177.3	169.4	152.6	137.6	123.5
92.5°	183.2	180.3	174.8	173.4	174.9	176.8	173.6	164.5	147.9	132.9	118.7
95°	183.0	179.7	174.9	173.8	175.1	175.4	170.2	160.0	143.8	128.7	114.5
97.5°	182.9	179.3	175.1	174.3	175.2	174.2	167.3	156.0	140.3	125.1	110.9
100°	183.0	178.9	175.3	174.7	175.4	173.3	165.0	152.7	137.4	122.2	107.9
102.5°	183.2	178.7	175.4	175.0	175.6	172.8	163.5	150.1	134.9	119.7	105.5
105°	183.7	178.6	175.5	175.2	175.8	172.9	163.1	148.4	133.0	117.9	103.6
107.5°	184.3	178.6	175.5	175.3	176.1	173.7	163.9	147.8	131.5	116.1	101.9
110°	185.3	178.8	175.4	175.2	175.2	171.8	161.1	143.6	127.4	113.0	99.9



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	183.0	174.5	168.6	165.7	164.4	161.3	152.2	137.8	122.9	109.6	97.6
115°	177.4	167.7	160.2	156.3	153.7	150.2	142.9	131.5	118.0	105.6	94.8
117.5°	172.2	161.6	153.1	147.6	143.6	139.6	133.6	124.6	112.5	101.3	91.4
120°	167.6	156.4	146.7	139.4	134.2	129.5	124.0	116.0	106.2	96.3	87.2
122.5°	163.7	151.7	140.9	131.8	125.4	120.1	114.1	107.0	99.1	90.3	82.3
125°	160.3	147.7	135.7	125.4	117.9	111.4	104.9	97.9	90.7	83.2	76.2
127.5°	157.7	144.2	131.7	120.6	111.2	103.6	96.5	89.1	81.9	77.6	73.2
130°	155.7	141.8	128.8	116.6	105.2	97.1	90.4	84.5	79.3	74.9	70.8
132.5°	154.7	140.3	126.2	113.4	102.7	94.1	87.6	82.1	77.0	72.2	68.3
135°	149.6	135.3	122.0	110.6	100.4	91.2	85.0	79.5	74.6	70.0	65.7
137.5°	141.9	129.1	117.4	106.8	97.4	89.2	82.0	76.8	72.1	67.7	63.6
140°	133.2	122.2	111.9	102.2	93.9	86.3	79.5	73.8	69.4	65.3	61.3
142.5°	123.2	114.2	105.3	97.0	89.2	82.7	76.6	71.0	66.2	62.5	58.9
145°	112.2	105.1	97.6	90.5	83.8	77.8	72.6	67.8	63.1	59.0	55.8
147.5°	100.3	94.5	88.6	82.8	77.2	71.9	67.2	63.2	59.4	55.6	52.0
150°	87.6	82.9	78.2	73.5	69.1	64.8	60.7	57.0	53.9	51.1	48.3
152.5°	73.9	70.2	66.4	62.7	59.2	55.9	52.7	49.7	47.8	46.1	44.4
155°	59.3	56.5	53.5	50.7	49.3	48.0	46.7	45.4	43.7	41.9	40.1
157.5°	49.2	48.2	47.1	45.8	44.6	43.2	41.9	40.7	39.4	38.0	36.3
160°	43.7	43.0	42.0	41.0	39.9	38.7	37.4	36.1	34.8	33.6	32.3
162.5°	38.2	37.6	36.9	36.1	35.1	34.1	33.0	31.8	30.7	29.4	28.1
165°	32.7	32.2	31.6	31.0	30.3	29.4	28.5	27.5	26.5	25.4	24.3
167.5°	27.4	26.8	26.3	25.8	25.2	24.5	23.8	23.1	22.2	21.4	20.4
170°	22.0	21.6	21.1	20.6	20.1	19.6	19.0	18.4	17.8	17.2	16.5
172.5°	16.6	16.3	15.9	15.6	15.2	14.8	14.3	13.8	13.4	12.8	12.3
175°	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.6	8.3
177.5°	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.9	4.7	4.4
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: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	4.2	4.0	3.8	3.5	3.3	3.1	2.8	2.6	2.3	2.1	1.8
5°	7.9	7.5	7.1	6.7	6.3	5.8	5.4	4.9	4.5	4.0	3.5
7.5°	11.8	11.2	10.6	10.0	9.4	8.7	8.1	7.4	6.7	6.0	5.2
10°	15.7	15.0	14.1	13.3	12.5	11.6	10.7	9.8	8.8	7.9	6.9
12.5°	19.5	18.5	17.5	16.5	15.4	14.3	13.2	12.1	10.9	9.7	8.6
15°	23.2	22.0	20.8	19.6	18.3	17.1	15.8	14.4	13.1	11.7	10.3
17.5°	26.9	25.6	24.3	22.9	21.5	20.0	18.5	16.9	15.3	13.6	12.0
20°	30.9	29.4	27.8	26.1	24.4	22.7	20.9	19.2	17.4	15.6	13.7
22.5°	34.6	32.8	31.1	29.3	27.5	25.7	23.8	21.7	19.6	17.4	15.3
25°	38.4	36.6	34.8	32.8	30.5	28.2	25.9	23.6	21.3	19.1	16.7
27.5°	42.5	40.2	37.8	35.3	33.0	30.6	28.3	25.9	23.3	20.8	18.2
30°	45.7	43.1	40.7	38.3	35.9	33.2	30.4	27.7	24.9	22.2	19.4
32.5°	49.2	46.5	43.9	41.0	38.1	35.2	32.3	29.3	26.4	23.5	20.6
35°	52.8	49.6	46.5	43.4	40.3	37.2	34.1	31.0	27.9	24.8	21.6
37.5°	55.3	51.9	48.7	45.5	42.4	39.1	35.8	32.3	28.8	25.4	22.2
40°	57.6	54.0	50.7	47.5	44.1	40.5	36.8	33.3	29.9	26.6	23.1
42.5°	59.7	56.2	52.8	49.0	45.2	41.7	38.3	34.6	30.8	27.1	23.5
45°	62.1	58.4	54.4	50.5	46.9	43.2	39.2	35.2	31.5	28.0	24.5
47.5°	64.4	60.3	56.3	52.4	48.3	44.1	40.1	36.3	32.5	28.9	25.3
50°	66.5	62.4	58.2	53.9	49.6	45.4	41.3	37.4	33.6	29.7	26.0
52.5°	68.9	64.5	60.0	55.5	50.9	46.7	42.5	38.5	34.4	30.7	27.1
55°	71.2	66.6	61.9	56.9	52.4	48.1	43.7	39.6	35.9	32.1	28.1
57.5°	75.2	68.9	63.4	58.6	54.0	49.4	45.2	41.3	37.1	32.9	28.3
60°	79.4	72.0	65.6	60.4	55.5	51.2	47.0	42.4	37.6	32.6	28.1
62.5°	82.5	74.2	67.4	61.8	57.2	53.1	48.2	42.8	37.4	32.7	28.2
65°	84.8	76.0	68.8	62.8	58.1	53.5	48.8	42.8	37.6	32.4	27.4
67.5°	86.6	77.2	69.7	63.6	58.0	52.6	47.1	42.8	37.3	31.7	26.5
70°	88.1	78.3	70.5	63.7	57.3	50.8	45.5	40.7	36.0	30.8	25.3
72.5°	89.1	79.3	71.0	63.4	56.0	49.3	43.8	38.6	33.6	28.8	24.1
75°	90.5	80.3	71.3	62.8	54.6	47.9	42.1	36.6	31.3	26.3	22.2
77.5°	92.7	81.7	71.6	62.2	53.5	46.7	40.8	34.9	29.3	24.1	20.0
80°	94.9	83.2	72.2	62.0	53.0	45.6	39.3	33.6	27.6	22.1	17.7
82.5°	97.4	84.9	72.9	62.1	52.4	44.3	37.4	31.2	25.6	20.4	15.5
85°	100.3	86.9	73.9	62.6	52.1	43.2	35.6	29.4	23.8	19.0	14.6
87.5°	103.6	89.5	75.4	63.6	52.2	42.5	34.3	28.1	22.6	18.5	14.9
90°	107.6	92.6	77.6	65.3	52.9	42.3	33.5	27.3	22.1	18.5	15.9
92.5°	103.6	89.5	75.4	63.6	52.2	42.5	34.3	28.1	22.6	18.5	14.9
95°	100.3	86.9	73.9	62.6	52.1	43.2	35.6	29.4	23.8	19.0	14.6
97.5°	97.4	84.9	72.9	62.1	52.4	44.3	37.4	31.2	25.6	20.4	15.5
100°	94.9	83.2	72.2	62.0	53.0	45.6	39.3	33.6	27.6	22.1	17.7
102.5°	92.7	81.7	71.6	62.2	53.5	46.7	40.8	34.9	29.3	24.1	20.0
105°	90.5	80.3	71.3	62.8	54.6	47.9	42.1	36.6	31.3	26.3	22.2
107.5°	89.1	79.3	71.0	63.4	56.0	49.3	43.8	38.6	33.6	28.8	24.1
110°	88.1	78.3	70.5	63.7	57.3	50.8	45.5	40.7	36.0	30.8	25.3



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	86.6	77.2	69.7	63.6	58.0	52.6	47.1	42.8	37.3	31.7	26.5
115°	84.8	76.0	68.8	62.8	58.1	53.5	48.8	42.8	37.6	32.4	27.4
117.5°	82.5	74.2	67.4	61.8	57.2	53.1	48.2	42.8	37.4	32.7	28.2
120°	79.4	72.0	65.6	60.4	55.5	51.2	47.0	42.4	37.6	32.6	28.1
122.5°	75.2	68.9	63.4	58.6	54.0	49.4	45.2	41.3	37.1	32.9	28.3
125°	71.2	66.6	61.9	56.9	52.4	48.1	43.7	39.6	35.9	32.1	28.1
127.5°	68.9	64.5	60.0	55.5	50.9	46.7	42.5	38.5	34.4	30.7	27.1
130°	66.5	62.4	58.2	53.9	49.6	45.4	41.3	37.4	33.6	29.7	26.0
132.5°	64.4	60.3	56.3	52.4	48.3	44.1	40.1	36.3	32.5	28.9	25.3
135°	62.1	58.4	54.4	50.5	46.9	43.2	39.2	35.2	31.5	28.0	24.5
137.5°	59.7	56.2	52.8	49.0	45.2	41.7	38.3	34.6	30.8	27.1	23.5
140°	57.6	54.0	50.7	47.5	44.1	40.5	36.8	33.3	29.9	26.6	23.1
142.5°	55.3	51.9	48.7	45.5	42.4	39.1	35.8	32.3	28.8	25.4	22.2
145°	52.8	49.6	46.5	43.4	40.3	37.2	34.1	31.0	27.9	24.8	21.6
147.5°	49.2	46.5	43.9	41.0	38.1	35.2	32.3	29.3	26.4	23.5	20.6
150°	45.7	43.1	40.7	38.3	35.9	33.2	30.4	27.7	24.9	22.2	19.4
152.5°	42.5	40.2	37.8	35.3	33.0	30.6	28.3	25.9	23.3	20.8	18.2
155°	38.4	36.6	34.8	32.8	30.5	28.2	25.9	23.6	21.3	19.1	16.7
157.5°	34.6	32.8	31.1	29.3	27.5	25.7	23.8	21.7	19.6	17.4	15.3
160°	30.9	29.4	27.8	26.1	24.4	22.7	20.9	19.2	17.4	15.6	13.7
162.5°	26.9	25.6	24.3	22.9	21.5	20.0	18.5	16.9	15.3	13.6	12.0
165°	23.2	22.0	20.8	19.6	18.3	17.1	15.8	14.4	13.1	11.7	10.3
167.5°	19.5	18.5	17.5	16.5	15.4	14.3	13.2	12.1	10.9	9.7	8.6
170°	15.7	15.0	14.1	13.3	12.5	11.6	10.7	9.8	8.8	7.9	6.9
172.5°	11.8	11.2	10.6	10.0	9.4	8.7	8.1	7.4	6.7	6.0	5.2
175°	7.9	7.5	7.1	6.7	6.3	5.8	5.4	4.9	4.5	4.0	3.5
177.5°	4.2	4.0	3.8	3.5	3.3	3.1	2.8	2.6	2.3	2.1	1.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.0
5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
7.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
10°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
12.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0	1.2	2.5	3.7	4.9
15°	8.9	7.4	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
17.5°	10.3	8.6	6.9	5.2	3.5	1.7	0.0	1.7	3.5	5.2	6.9
20°	11.8	9.9	7.9	6.0	4.0	2.0	0.0	2.0	4.0	6.0	7.9
22.5°	13.1	10.9	8.8	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.8
25°	14.4	12.0	9.7	7.3	4.8	2.4	0.0	2.4	4.8	7.3	9.7
27.5°	15.6	13.0	10.4	7.8	5.2	2.6	0.0	2.6	5.2	7.8	10.4
30°	16.6	13.9	11.1	8.3	5.5	2.8	0.0	2.8	5.5	8.3	11.1
32.5°	17.6	14.7	11.7	8.8	5.9	2.9	0.0	2.9	5.9	8.8	11.7
35°	18.4	15.3	12.2	9.1	6.0	3.0	0.0	3.0	6.0	9.1	12.2
37.5°	19.0	15.8	12.7	9.5	6.3	3.2	0.0	3.2	6.3	9.5	12.7
40°	19.7	16.3	13.0	9.7	6.4	3.2	0.0	3.2	6.4	9.7	13.0
42.5°	20.2	16.9	13.7	10.5	7.3	4.1	0.9	4.1	7.3	10.5	13.7
45°	21.1	17.7	14.3	10.9	7.6	4.2	0.9	4.2	7.6	10.9	14.3
47.5°	21.7	18.2	14.7	11.2	7.8	4.3	0.9	4.3	7.8	11.2	14.7
50°	22.3	18.8	15.3	11.7	8.1	4.5	0.9	4.5	8.1	11.7	15.3
52.5°	23.5	19.6	15.8	12.1	8.3	4.6	0.9	4.6	8.3	12.1	15.8
55°	24.1	19.9	15.9	12.0	8.2	4.5	0.9	4.5	8.2	12.0	15.9
57.5°	23.9	19.8	15.9	12.1	8.3	4.6	0.9	4.6	8.3	12.1	15.9
60°	24.1	20.0	15.8	11.9	8.1	4.5	0.9	4.5	8.1	11.9	15.8
62.5°	23.7	19.4	15.3	11.5	7.8	4.3	0.9	4.3	7.8	11.5	15.3
65°	22.8	18.6	14.7	10.8	7.3	4.1	0.9	4.1	7.3	10.8	14.7
67.5°	21.7	17.5	13.9	10.6	7.5	4.6	1.8	4.6	7.5	10.6	13.9
70°	20.5	16.6	13.4	10.3	7.3	4.5	1.8	4.5	7.3	10.3	13.4
72.5°	19.6	15.9	12.6	9.9	6.9	4.3	1.8	4.3	6.9	9.9	12.6
75°	18.8	15.0	11.7	8.8	6.0	3.7	1.8	3.7	6.0	8.8	11.7
77.5°	16.7	14.1	10.9	6.6	2.3	0.4	0.0	0.4	2.3	6.6	10.9
80°	14.1	11.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
82.5°	11.5	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	10.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	9.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	11.5	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	14.1	11.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
102.5°	16.7	14.1	10.9	6.6	2.3	0.4	0.0	0.4	2.3	6.6	10.9
105°	18.8	15.0	11.7	8.8	6.0	3.7	1.8	3.7	6.0	8.8	11.7
107.5°	19.6	15.9	12.6	9.9	6.9	4.3	1.8	4.3	6.9	9.9	12.6
110°	20.5	16.6	13.4	10.3	7.3	4.5	1.8	4.5	7.3	10.3	13.4



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	21.7	17.5	13.9	10.6	7.5	4.6	1.8	4.6	7.5	10.6	13.9
115°	22.8	18.6	14.7	10.8	7.3	4.1	0.9	4.1	7.3	10.8	14.7
117.5°	23.7	19.4	15.3	11.5	7.8	4.3	0.9	4.3	7.8	11.5	15.3
120°	24.1	20.0	15.8	11.9	8.1	4.5	0.9	4.5	8.1	11.9	15.8
122.5°	23.9	19.8	15.9	12.1	8.3	4.6	0.9	4.6	8.3	12.1	15.9
125°	24.1	19.9	15.9	12.0	8.2	4.5	0.9	4.5	8.2	12.0	15.9
127.5°	23.5	19.6	15.8	12.1	8.3	4.6	0.9	4.6	8.3	12.1	15.8
130°	22.3	18.8	15.3	11.7	8.1	4.5	0.9	4.5	8.1	11.7	15.3
132.5°	21.7	18.2	14.7	11.2	7.8	4.3	0.9	4.3	7.8	11.2	14.7
135°	21.1	17.7	14.3	10.9	7.6	4.2	0.9	4.2	7.6	10.9	14.3
137.5°	20.2	16.9	13.7	10.5	7.3	4.1	0.9	4.1	7.3	10.5	13.7
140°	19.7	16.3	13.0	9.7	6.4	3.2	0.0	3.2	6.4	9.7	13.0
142.5°	19.0	15.8	12.7	9.5	6.3	3.2	0.0	3.2	6.3	9.5	12.7
145°	18.4	15.3	12.2	9.1	6.0	3.0	0.0	3.0	6.0	9.1	12.2
147.5°	17.6	14.7	11.7	8.8	5.9	2.9	0.0	2.9	5.9	8.8	11.7
150°	16.6	13.9	11.1	8.3	5.5	2.8	0.0	2.8	5.5	8.3	11.1
152.5°	15.6	13.0	10.4	7.8	5.2	2.6	0.0	2.6	5.2	7.8	10.4
155°	14.4	12.0	9.7	7.3	4.8	2.4	0.0	2.4	4.8	7.3	9.7
157.5°	13.1	10.9	8.8	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.8
160°	11.8	9.9	7.9	6.0	4.0	2.0	0.0	2.0	4.0	6.0	7.9
162.5°	10.3	8.6	6.9	5.2	3.5	1.7	0.0	1.7	3.5	5.2	6.9
165°	8.9	7.4	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
167.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0	1.2	2.5	3.7	4.9
170°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
172.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.0
175°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
177.5°	1.6	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.0
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: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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	1.8	2.1	2.3	2.6	2.8	3.1	3.3	3.5	3.8
5°	2.5	3.0	3.5	4.0	4.5	4.9	5.4	5.8	6.3	6.7	7.1
7.5°	3.8	4.5	5.2	6.0	6.7	7.4	8.1	8.7	9.4	10.0	10.6
10°	5.0	6.0	6.9	7.9	8.8	9.8	10.7	11.6	12.5	13.3	14.1
12.5°	6.2	7.4	8.6	9.7	10.9	12.1	13.2	14.3	15.4	16.5	17.5
15°	7.4	8.9	10.3	11.7	13.1	14.4	15.8	17.1	18.3	19.6	20.8
17.5°	8.6	10.3	12.0	13.6	15.3	16.9	18.5	20.0	21.5	22.9	24.3
20°	9.9	11.8	13.7	15.6	17.4	19.2	20.9	22.7	24.4	26.1	27.8
22.5°	10.9	13.1	15.3	17.4	19.6	21.7	23.8	25.7	27.5	29.3	31.1
25°	12.0	14.4	16.7	19.1	21.3	23.6	25.9	28.2	30.5	32.8	34.8
27.5°	13.0	15.6	18.2	20.8	23.3	25.9	28.3	30.6	33.0	35.3	37.8
30°	13.9	16.6	19.4	22.2	24.9	27.7	30.4	33.2	35.9	38.3	40.7
32.5°	14.7	17.6	20.6	23.5	26.4	29.3	32.3	35.2	38.1	41.0	43.9
35°	15.3	18.4	21.6	24.8	27.9	31.0	34.1	37.2	40.3	43.4	46.5
37.5°	15.8	19.0	22.2	25.4	28.8	32.3	35.8	39.1	42.4	45.5	48.7
40°	16.3	19.7	23.1	26.6	29.9	33.3	36.8	40.5	44.1	47.5	50.7
42.5°	16.9	20.2	23.5	27.1	30.8	34.6	38.3	41.7	45.2	49.0	52.8
45°	17.7	21.1	24.5	28.0	31.5	35.2	39.2	43.2	46.9	50.5	54.4
47.5°	18.2	21.7	25.3	28.9	32.5	36.3	40.1	44.1	48.3	52.4	56.3
50°	18.8	22.3	26.0	29.7	33.6	37.4	41.3	45.4	49.6	53.9	58.2
52.5°	19.6	23.5	27.1	30.7	34.4	38.5	42.5	46.7	50.9	55.5	60.0
55°	19.9	24.1	28.1	32.1	35.9	39.6	43.7	48.1	52.4	56.9	61.9
57.5°	19.8	23.9	28.3	32.9	37.1	41.3	45.2	49.4	54.0	58.6	63.4
60°	20.0	24.1	28.1	32.6	37.6	42.4	47.0	51.2	55.5	60.4	65.6
62.5°	19.4	23.7	28.2	32.7	37.4	42.8	48.2	53.1	57.2	61.8	67.4
65°	18.6	22.8	27.4	32.4	37.6	42.8	48.8	53.5	58.1	62.8	68.8
67.5°	17.5	21.7	26.5	31.7	37.3	42.8	47.1	52.6	58.0	63.6	69.7
70°	16.6	20.5	25.3	30.8	36.0	40.7	45.5	50.8	57.3	63.7	70.5
72.5°	15.9	19.6	24.1	28.8	33.6	38.6	43.8	49.3	56.0	63.4	71.0
75°	15.0	18.8	22.2	26.3	31.3	36.6	42.1	47.9	54.6	62.8	71.3
77.5°	14.1	16.7	20.0	24.1	29.3	34.9	40.8	46.7	53.5	62.2	71.6
80°	11.8	14.1	17.7	22.1	27.6	33.6	39.3	45.6	53.0	62.0	72.2
82.5°	7.6	11.5	15.5	20.4	25.6	31.2	37.4	44.3	52.4	62.1	72.9
85°	3.0	9.9	14.6	19.0	23.8	29.4	35.6	43.2	52.1	62.6	73.9
87.5°	0.9	10.3	14.9	18.5	22.6	28.1	34.3	42.5	52.2	63.6	75.4
90°	0.0	11.5	15.9	18.5	22.1	27.3	33.5	42.3	52.9	65.3	77.6
92.5°	0.9	10.3	14.9	18.5	22.6	28.1	34.3	42.5	52.2	63.6	75.4
95°	3.0	9.9	14.6	19.0	23.8	29.4	35.6	43.2	52.1	62.6	73.9
97.5°	7.6	11.5	15.5	20.4	25.6	31.2	37.4	44.3	52.4	62.1	72.9
100°	11.8	14.1	17.7	22.1	27.6	33.6	39.3	45.6	53.0	62.0	72.2
102.5°	14.1	16.7	20.0	24.1	29.3	34.9	40.8	46.7	53.5	62.2	71.6
105°	15.0	18.8	22.2	26.3	31.3	36.6	42.1	47.9	54.6	62.8	71.3
107.5°	15.9	19.6	24.1	28.8	33.6	38.6	43.8	49.3	56.0	63.4	71.0
110°	16.6	20.5	25.3	30.8	36.0	40.7	45.5	50.8	57.3	63.7	70.5



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	17.5	21.7	26.5	31.7	37.3	42.8	47.1	52.6	58.0	63.6	69.7
115°	18.6	22.8	27.4	32.4	37.6	42.8	48.8	53.5	58.1	62.8	68.8
117.5°	19.4	23.7	28.2	32.7	37.4	42.8	48.2	53.1	57.2	61.8	67.4
120°	20.0	24.1	28.1	32.6	37.6	42.4	47.0	51.2	55.5	60.4	65.6
122.5°	19.8	23.9	28.3	32.9	37.1	41.3	45.2	49.4	54.0	58.6	63.4
125°	19.9	24.1	28.1	32.1	35.9	39.6	43.7	48.1	52.4	56.9	61.9
127.5°	19.6	23.5	27.1	30.7	34.4	38.5	42.5	46.7	50.9	55.5	60.0
130°	18.8	22.3	26.0	29.7	33.6	37.4	41.3	45.4	49.6	53.9	58.2
132.5°	18.2	21.7	25.3	28.9	32.5	36.3	40.1	44.1	48.3	52.4	56.3
135°	17.7	21.1	24.5	28.0	31.5	35.2	39.2	43.2	46.9	50.5	54.4
137.5°	16.9	20.2	23.5	27.1	30.8	34.6	38.3	41.7	45.2	49.0	52.8
140°	16.3	19.7	23.1	26.6	29.9	33.3	36.8	40.5	44.1	47.5	50.7
142.5°	15.8	19.0	22.2	25.4	28.8	32.3	35.8	39.1	42.4	45.5	48.7
145°	15.3	18.4	21.6	24.8	27.9	31.0	34.1	37.2	40.3	43.4	46.5
147.5°	14.7	17.6	20.6	23.5	26.4	29.3	32.3	35.2	38.1	41.0	43.9
150°	13.9	16.6	19.4	22.2	24.9	27.7	30.4	33.2	35.9	38.3	40.7
152.5°	13.0	15.6	18.2	20.8	23.3	25.9	28.3	30.6	33.0	35.3	37.8
155°	12.0	14.4	16.7	19.1	21.3	23.6	25.9	28.2	30.5	32.8	34.8
157.5°	10.9	13.1	15.3	17.4	19.6	21.7	23.8	25.7	27.5	29.3	31.1
160°	9.9	11.8	13.7	15.6	17.4	19.2	20.9	22.7	24.4	26.1	27.8
162.5°	8.6	10.3	12.0	13.6	15.3	16.9	18.5	20.0	21.5	22.9	24.3
165°	7.4	8.9	10.3	11.7	13.1	14.4	15.8	17.1	18.3	19.6	20.8
167.5°	6.2	7.4	8.6	9.7	10.9	12.1	13.2	14.3	15.4	16.5	17.5
170°	5.0	6.0	6.9	7.9	8.8	9.8	10.7	11.6	12.5	13.3	14.1
172.5°	3.8	4.5	5.2	6.0	6.7	7.4	8.1	8.7	9.4	10.0	10.6
175°	2.5	3.0	3.5	4.0	4.5	4.9	5.4	5.8	6.3	6.7	7.1
177.5°	1.3	1.6	1.8	2.1	2.3	2.6	2.8	3.1	3.3	3.5	3.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	4.0	4.2	4.4	4.7	4.9	5.0	5.2	5.4	5.6	5.7	5.9
5°	7.5	7.9	8.3	8.6	9.0	9.3	9.6	9.9	10.2	10.5	10.8
7.5°	11.2	11.8	12.3	12.8	13.4	13.8	14.3	14.8	15.2	15.6	15.9
10°	15.0	15.7	16.5	17.2	17.8	18.4	19.0	19.6	20.1	20.6	21.1
12.5°	18.5	19.5	20.4	21.4	22.2	23.1	23.8	24.5	25.2	25.8	26.3
15°	22.0	23.2	24.3	25.4	26.5	27.5	28.5	29.4	30.3	31.0	31.6
17.5°	25.6	26.9	28.1	29.4	30.7	31.8	33.0	34.1	35.1	36.1	36.9
20°	29.4	30.9	32.3	33.6	34.8	36.1	37.4	38.7	39.9	41.0	42.0
22.5°	32.8	34.6	36.3	38.0	39.4	40.7	41.9	43.2	44.6	45.8	47.1
25°	36.6	38.4	40.1	41.9	43.7	45.4	46.7	48.0	49.3	50.7	53.5
27.5°	40.2	42.5	44.4	46.1	47.8	49.7	52.7	55.9	59.2	62.7	66.4
30°	43.1	45.7	48.3	51.1	53.9	57.0	60.7	64.8	69.1	73.5	78.2
32.5°	46.5	49.2	52.0	55.6	59.4	63.2	67.2	71.9	77.2	82.8	88.6
35°	49.6	52.8	55.8	59.0	63.1	67.8	72.6	77.8	83.8	90.5	97.6
37.5°	51.9	55.3	58.9	62.5	66.2	71.0	76.6	82.7	89.2	97.0	105.3
40°	54.0	57.6	61.3	65.3	69.4	73.8	79.5	86.3	93.9	102.2	111.9
42.5°	56.2	59.7	63.6	67.7	72.1	76.8	82.0	89.2	97.4	106.8	117.4
45°	58.4	62.1	65.7	70.0	74.6	79.5	85.0	91.2	100.4	110.6	122.0
47.5°	60.3	64.4	68.3	72.2	77.0	82.1	87.6	94.1	102.7	113.4	126.2
50°	62.4	66.5	70.8	74.9	79.3	84.5	90.4	97.1	105.2	116.6	128.8
52.5°	64.5	68.9	73.2	77.6	81.9	89.1	96.5	103.6	111.2	120.6	131.7
55°	66.6	71.2	76.2	83.2	90.7	97.9	104.9	111.4	117.9	125.4	135.7
57.5°	68.9	75.2	82.3	90.3	99.1	107.0	114.1	120.1	125.4	131.8	140.9
60°	72.0	79.4	87.2	96.3	106.2	116.0	124.0	129.5	134.2	139.4	146.7
62.5°	74.2	82.5	91.4	101.3	112.5	124.6	133.6	139.6	143.6	147.6	153.1
65°	76.0	84.8	94.8	105.6	118.0	131.5	142.9	150.2	153.7	156.3	160.2
67.5°	77.2	86.6	97.6	109.6	122.9	137.8	152.2	161.3	164.4	165.7	168.6
70°	78.3	88.1	99.9	113.0	127.4	143.6	161.1	171.8	175.2	175.2	175.4
72.5°	79.3	89.1	101.9	116.1	131.5	147.8	163.9	173.7	176.1	175.3	175.5
75°	80.3	90.5	103.6	117.9	133.0	148.4	163.1	172.9	175.8	175.2	175.5
77.5°	81.7	92.7	105.5	119.7	134.9	150.1	163.5	172.8	175.6	175.0	175.4
80°	83.2	94.9	107.9	122.2	137.4	152.7	165.0	173.3	175.4	174.7	175.3
82.5°	84.9	97.4	110.9	125.1	140.3	156.0	167.3	174.2	175.2	174.3	175.1
85°	86.9	100.3	114.5	128.7	143.8	160.0	170.2	175.4	175.1	173.8	174.9
87.5°	89.5	103.6	118.7	132.9	147.9	164.5	173.6	176.8	174.9	173.4	174.8
90°	92.6	107.6	123.5	137.6	152.6	169.4	177.3	178.2	174.7	172.9	174.7
92.5°	89.5	103.6	118.7	132.9	147.9	164.5	173.6	176.8	174.9	173.4	174.8
95°	86.9	100.3	114.5	128.7	143.8	160.0	170.2	175.4	175.1	173.8	174.9
97.5°	84.9	97.4	110.9	125.1	140.3	156.0	167.3	174.2	175.2	174.3	175.1
100°	83.2	94.9	107.9	122.2	137.4	152.7	165.0	173.3	175.4	174.7	175.3
102.5°	81.7	92.7	105.5	119.7	134.9	150.1	163.5	172.8	175.6	175.0	175.4
105°	80.3	90.5	103.6	117.9	133.0	148.4	163.1	172.9	175.8	175.2	175.5
107.5°	79.3	89.1	101.9	116.1	131.5	147.8	163.9	173.7	176.1	175.3	175.5
110°	78.3	88.1	99.9	113.0	127.4	143.6	161.1	171.8	175.2	175.2	175.4



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	77.2	86.6	97.6	109.6	122.9	137.8	152.2	161.3	164.4	165.7	168.6
115°	76.0	84.8	94.8	105.6	118.0	131.5	142.9	150.2	153.7	156.3	160.2
117.5°	74.2	82.5	91.4	101.3	112.5	124.6	133.6	139.6	143.6	147.6	153.1
120°	72.0	79.4	87.2	96.3	106.2	116.0	124.0	129.5	134.2	139.4	146.7
122.5°	68.9	75.2	82.3	90.3	99.1	107.0	114.1	120.1	125.4	131.8	140.9
125°	66.6	71.2	76.2	83.2	90.7	97.9	104.9	111.4	117.9	125.4	135.7
127.5°	64.5	68.9	73.2	77.6	81.9	89.1	96.5	103.6	111.2	120.6	131.7
130°	62.4	66.5	70.8	74.9	79.3	84.5	90.4	97.1	105.2	116.6	128.8
132.5°	60.3	64.4	68.3	72.2	77.0	82.1	87.6	94.1	102.7	113.4	126.2
135°	58.4	62.1	65.7	70.0	74.6	79.5	85.0	91.2	100.4	110.6	122.0
137.5°	56.2	59.7	63.6	67.7	72.1	76.8	82.0	89.2	97.4	106.8	117.4
140°	54.0	57.6	61.3	65.3	69.4	73.8	79.5	86.3	93.9	102.2	111.9
142.5°	51.9	55.3	58.9	62.5	66.2	71.0	76.6	82.7	89.2	97.0	105.3
145°	49.6	52.8	55.8	59.0	63.1	67.8	72.6	77.8	83.8	90.5	97.6
147.5°	46.5	49.2	52.0	55.6	59.4	63.2	67.2	71.9	77.2	82.8	88.6
150°	43.1	45.7	48.3	51.1	53.9	57.0	60.7	64.8	69.1	73.5	78.2
152.5°	40.2	42.5	44.4	46.1	47.8	49.7	52.7	55.9	59.2	62.7	66.4
155°	36.6	38.4	40.1	41.9	43.7	45.4	46.7	48.0	49.3	50.7	53.5
157.5°	32.8	34.6	36.3	38.0	39.4	40.7	41.9	43.2	44.6	45.8	47.1
160°	29.4	30.9	32.3	33.6	34.8	36.1	37.4	38.7	39.9	41.0	42.0
162.5°	25.6	26.9	28.1	29.4	30.7	31.8	33.0	34.1	35.1	36.1	36.9
165°	22.0	23.2	24.3	25.4	26.5	27.5	28.5	29.4	30.3	31.0	31.6
167.5°	18.5	19.5	20.4	21.4	22.2	23.1	23.8	24.5	25.2	25.8	26.3
170°	15.0	15.7	16.5	17.2	17.8	18.4	19.0	19.6	20.1	20.6	21.1
172.5°	11.2	11.8	12.3	12.8	13.4	13.8	14.3	14.8	15.2	15.6	15.9
175°	7.5	7.9	8.3	8.6	9.0	9.3	9.6	9.9	10.2	10.5	10.8
177.5°	4.0	4.2	4.4	4.7	4.9	5.0	5.2	5.4	5.6	5.7	5.9
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: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	6.0	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	7.7
5°	11.1	11.4	11.6	11.9	12.1	12.3	12.5	12.6	12.7	12.9	14.5
7.5°	16.3	16.6	16.9	17.3	17.6	17.9	18.2	18.5	18.7	18.8	21.2
10°	21.6	22.0	22.4	22.7	23.1	23.6	23.9	24.3	24.6	24.8	28.0
12.5°	26.8	27.4	27.9	28.3	28.7	29.1	29.6	30.1	30.5	30.8	34.8
15°	32.2	32.7	33.3	33.8	34.3	34.8	35.3	35.9	36.3	36.8	41.5
17.5°	37.6	38.2	38.8	39.4	39.9	40.4	41.0	41.6	42.2	42.7	48.3
20°	43.0	43.7	44.3	44.9	45.5	46.1	46.7	47.4	48.1	48.7	55.0
22.5°	48.2	49.2	49.9	50.5	51.1	51.8	52.4	53.1	54.0	54.7	61.7
25°	56.5	59.3	62.0	64.4	66.6	68.9	71.0	73.0	74.9	76.5	84.3
27.5°	70.2	73.9	77.5	80.8	84.0	87.2	90.3	93.1	95.9	98.2	106.9
30°	82.9	87.6	92.1	96.5	100.8	104.9	109.1	113.0	116.7	120.0	129.6
32.5°	94.5	100.3	106.0	111.5	116.9	122.2	127.6	132.7	137.4	141.8	152.3
35°	105.1	112.2	119.2	125.8	132.4	139.1	145.7	152.2	158.1	163.5	175.0
37.5°	114.2	123.2	131.6	139.6	147.6	155.5	163.5	171.4	178.6	185.3	197.7
40°	122.2	133.2	143.2	152.8	161.9	171.4	180.9	190.4	199.1	207.1	220.5
42.5°	129.1	141.9	154.1	165.9	176.1	186.9	198.5	209.2	219.5	228.8	243.2
45°	135.3	149.6	164.5	177.5	189.8	202.0	215.0	227.8	239.8	250.6	265.9
47.5°	140.3	154.7	169.8	182.8	195.0	207.1	220.7	234.9	248.8	261.8	279.2
50°	141.8	155.7	170.4	184.0	196.8	210.0	225.0	241.2	257.6	272.9	292.5
52.5°	144.2	157.7	171.7	185.5	198.5	212.9	229.2	247.3	266.3	284.1	305.9
55°	147.7	160.3	173.6	187.2	200.3	215.7	233.2	253.2	274.9	295.3	319.3
57.5°	151.7	163.7	176.1	189.2	202.5	218.4	237.2	259.0	283.4	306.4	332.8
60°	156.4	167.6	179.8	191.6	204.8	221.1	241.1	264.7	291.8	317.6	346.3
62.5°	161.6	172.2	183.1	194.6	207.3	223.8	244.9	270.2	300.2	328.8	359.8
65°	167.7	177.4	187.5	197.9	210.0	226.4	248.7	275.6	308.5	339.9	373.4
67.5°	174.5	183.0	192.2	201.6	212.8	229.1	252.4	281.0	316.8	351.1	386.9
70°	178.8	185.3	193.1	201.3	211.6	226.8	249.5	277.8	314.3	350.4	389.6
72.5°	178.6	184.3	191.7	199.5	209.4	224.1	246.3	274.5	311.7	349.7	392.2
75°	178.6	183.7	190.4	197.7	207.5	221.6	243.2	271.3	309.1	349.1	396.5
77.5°	178.7	183.2	189.4	196.1	205.6	219.3	240.4	268.2	306.5	348.4	398.6
80°	178.9	183.0	188.5	194.6	203.9	217.3	237.7	265.3	304.0	347.7	400.8
82.5°	179.3	182.9	187.8	193.2	202.4	215.4	235.1	262.5	301.6	347.0	402.9
85°	179.7	183.0	187.1	191.9	201.0	213.8	232.8	259.8	299.2	346.4	405.1
87.5°	180.3	183.2	186.6	190.8	199.7	212.3	230.5	257.3	296.9	345.7	407.2
90°	180.9	183.5	186.2	189.7	198.5	210.9	228.5	255.0	294.7	345.0	409.4
92.5°	180.3	183.2	186.6	190.8	199.7	212.3	230.5	257.3	296.9	345.7	407.2
95°	179.7	183.0	187.1	191.9	201.0	213.8	232.8	259.8	299.2	346.4	405.1
97.5°	179.3	182.9	187.8	193.2	202.4	215.4	235.1	262.5	301.6	347.0	402.9
100°	178.9	183.0	188.5	194.6	203.9	217.3	237.7	265.3	304.0	347.7	400.8
102.5°	178.7	183.2	189.4	196.1	205.6	219.3	240.4	268.2	306.5	348.4	398.6
105°	178.6	183.7	190.4	197.7	207.5	221.6	243.2	271.3	309.1	349.1	396.5
107.5°	178.6	184.3	191.7	199.5	209.4	224.1	246.3	274.5	311.7	349.7	392.2
110°	178.8	185.3	193.1	201.3	211.6	226.8	249.5	277.8	314.3	350.4	389.6



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	174.5	183.0	192.2	201.6	212.8	229.1	252.4	281.0	316.8	351.1	386.9
115°	167.7	177.4	187.5	197.9	210.0	226.4	248.7	275.6	308.5	339.9	373.4
117.5°	161.6	172.2	183.1	194.6	207.3	223.8	244.9	270.2	300.2	328.8	359.8
120°	156.4	167.6	179.8	191.6	204.8	221.1	241.1	264.7	291.8	317.6	346.3
122.5°	151.7	163.7	176.1	189.2	202.5	218.4	237.2	259.0	283.4	306.4	332.8
125°	147.7	160.3	173.6	187.2	200.3	215.7	233.2	253.2	274.9	295.3	319.3
127.5°	144.2	157.7	171.7	185.5	198.5	212.9	229.2	247.3	266.3	284.1	305.9
130°	141.8	155.7	170.4	184.0	196.8	210.0	225.0	241.2	257.6	272.9	292.5
132.5°	140.3	154.7	169.8	182.8	195.0	207.1	220.7	234.9	248.8	261.8	279.2
135°	135.3	149.6	164.5	177.5	189.8	202.0	215.0	227.8	239.8	250.6	265.9
137.5°	129.1	141.9	154.1	165.9	176.1	186.9	198.5	209.2	219.5	228.8	243.2
140°	122.2	133.2	143.2	152.8	161.9	171.4	180.9	190.4	199.1	207.1	220.5
142.5°	114.2	123.2	131.6	139.6	147.6	155.5	163.5	171.4	178.6	185.3	197.7
145°	105.1	112.2	119.2	125.8	132.4	139.1	145.7	152.2	158.1	163.5	175.0
147.5°	94.5	100.3	106.0	111.5	116.9	122.2	127.6	132.7	137.4	141.8	152.3
150°	82.9	87.6	92.1	96.5	100.8	104.9	109.1	113.0	116.7	120.0	129.6
152.5°	70.2	73.9	77.5	80.8	84.0	87.2	90.3	93.1	95.9	98.2	106.9
155°	56.5	59.3	62.0	64.4	66.6	68.9	71.0	73.0	74.9	76.5	84.3
157.5°	48.2	49.2	49.9	50.5	51.1	51.8	52.4	53.1	54.0	54.7	61.7
160°	43.0	43.7	44.3	44.9	45.5	46.1	46.7	47.4	48.1	48.7	55.0
162.5°	37.6	38.2	38.8	39.4	39.9	40.4	41.0	41.6	42.2	42.7	48.3
165°	32.2	32.7	33.3	33.8	34.3	34.8	35.3	35.9	36.3	36.8	41.5
167.5°	26.8	27.4	27.9	28.3	28.7	29.1	29.6	30.1	30.5	30.8	34.8
170°	21.6	22.0	22.4	22.7	23.1	23.6	23.9	24.3	24.6	24.8	28.0
172.5°	16.3	16.6	16.9	17.3	17.6	17.9	18.2	18.5	18.7	18.8	21.2
175°	11.1	11.4	11.6	11.9	12.1	12.3	12.5	12.6	12.7	12.9	14.5
177.5°	6.0	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	7.7
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: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	8.5	9.2	10.0	10.7	11.5	12.2	12.8	13.5	14.1	14.7	15.3
5°	16.0	17.6	19.1	20.6	22.0	23.4	24.8	26.1	27.4	28.6	29.8
7.5°	23.6	25.9	28.2	30.4	32.6	34.7	36.9	39.6	42.3	44.9	47.4
10°	31.1	34.2	37.2	40.2	43.3	47.1	50.9	54.6	58.1	61.6	65.1
12.5°	38.7	42.5	46.3	50.4	55.3	60.1	64.8	69.3	73.8	78.3	82.6
15°	46.2	50.8	55.5	61.4	67.2	72.9	78.4	84.0	89.4	94.6	100.4
17.5°	53.7	59.1	65.4	72.2	78.9	85.5	92.0	98.3	104.4	109.8	114.8
20°	61.2	67.4	75.2	83.0	90.5	97.8	105.0	112.0	117.8	123.5	129.1
22.5°	68.7	76.2	84.9	93.5	101.7	109.8	117.6	124.1	130.4	136.6	142.7
25°	91.7	100.0	108.6	116.7	123.8	130.7	135.9	140.5	144.7	148.6	155.0
27.5°	115.2	124.8	134.2	142.5	149.9	156.2	161.0	165.4	169.4	173.2	175.8
30°	138.8	149.5	159.9	167.8	176.0	180.5	185.1	189.3	193.2	196.0	198.3
32.5°	162.7	174.1	184.5	192.7	199.5	204.0	208.3	212.2	215.3	217.7	221.9
35°	186.5	198.7	208.9	217.3	222.6	227.1	230.6	234.1	236.4	239.6	245.7
37.5°	210.2	223.2	233.0	241.2	245.1	248.7	252.2	254.6	256.9	261.9	268.2
40°	233.9	247.6	256.8	263.6	266.8	270.0	272.8	274.4	277.6	282.5	291.2
42.5°	257.6	271.7	280.3	285.5	288.0	290.6	292.4	293.6	297.4	303.5	312.6
45°	281.1	295.1	303.5	306.9	308.7	310.6	311.4	312.8	315.7	323.7	334.3
47.5°	297.7	314.8	327.1	332.6	336.7	338.9	337.6	334.3	334.8	342.9	355.6
50°	314.3	334.9	351.5	361.8	372.0	380.2	385.7	390.2	392.4	391.9	391.3
52.5°	331.3	355.9	376.9	392.7	409.8	425.1	439.0	451.4	459.0	456.2	453.0
55°	348.5	377.6	403.5	425.8	450.1	473.1	496.5	516.0	526.1	516.8	510.5
57.5°	366.1	400.1	431.3	460.7	492.6	524.1	558.0	583.2	587.9	574.5	564.2
60°	383.8	423.1	460.2	497.3	537.5	578.1	623.1	652.7	647.0	629.3	614.2
62.5°	401.8	446.6	489.9	535.2	584.4	635.8	690.0	724.4	703.6	681.2	660.9
65°	419.9	470.5	520.4	574.3	632.9	695.7	756.7	788.5	758.1	730.5	704.3
67.5°	438.1	494.8	551.4	614.3	682.7	757.5	824.7	846.9	811.0	777.4	745.0
70°	441.5	499.6	558.9	627.8	703.3	787.6	862.0	882.3	852.7	820.2	783.4
72.5°	444.3	502.6	562.5	634.5	711.4	796.3	868.1	884.3	864.0	834.2	798.2
75°	446.8	505.1	565.6	640.6	718.6	803.3	873.4	889.9	878.1	848.6	810.3
77.5°	449.1	507.3	568.3	646.1	724.8	808.6	877.8	898.3	894.5	863.4	822.5
80°	452.7	509.1	570.5	651.0	730.0	812.5	881.3	908.8	912.8	878.9	835.2
82.5°	453.8	512.0	574.3	655.3	734.2	814.8	883.8	920.9	932.4	895.0	848.4
85°	454.8	512.2	574.3	660.5	739.3	818.0	887.4	935.5	952.9	911.9	862.5
87.5°	455.9	512.4	574.3	662.0	740.2	816.2	886.2	947.2	974.0	929.2	876.8
90°	457.0	512.6	574.3	663.5	741.1	814.3	884.9	959.0	994.3	948.4	893.7
92.5°	455.9	512.4	574.3	662.0	740.2	816.2	886.2	947.2	974.0	929.2	876.8
95°	454.8	512.2	574.3	660.5	739.3	818.0	887.4	935.5	952.9	911.9	862.5
97.5°	453.8	512.0	574.3	655.3	734.2	814.8	883.8	920.9	932.4	895.0	848.4
100°	452.7	509.1	570.5	651.0	730.0	812.5	881.3	908.8	912.8	878.9	835.2
102.5°	449.1	507.3	568.3	646.1	724.8	808.6	877.8	898.3	894.5	863.4	822.5
105°	446.8	505.1	565.6	640.6	718.6	803.3	873.4	889.9	878.1	848.6	810.3
107.5°	444.3	502.6	562.5	634.5	711.4	796.3	868.1	884.3	864.0	834.2	798.2
110°	441.5	499.6	558.9	627.8	703.3	787.6	862.0	882.3	852.7	820.2	783.4



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	438.1	494.8	551.4	614.3	682.7	757.5	824.7	846.9	811.0	777.4	745.0
115°	419.9	470.5	520.4	574.3	632.9	695.7	756.7	788.5	758.1	730.5	704.3
117.5°	401.8	446.6	489.9	535.2	584.4	635.8	690.0	724.4	703.6	681.2	660.9
120°	383.8	423.1	460.2	497.3	537.5	578.1	623.1	652.7	647.0	629.3	614.2
122.5°	366.1	400.1	431.3	460.7	492.6	524.1	558.0	583.2	587.9	574.5	564.2
125°	348.5	377.6	403.5	425.8	450.1	473.1	496.5	516.0	526.1	516.8	510.5
127.5°	331.3	355.9	376.9	392.7	409.8	425.1	439.0	451.4	459.0	456.2	453.0
130°	314.3	334.9	351.5	361.8	372.0	380.2	385.7	390.2	392.4	391.9	391.3
132.5°	297.7	314.8	327.1	332.6	336.7	338.9	337.6	334.3	334.8	342.9	355.6
135°	281.1	295.1	303.5	306.9	308.7	310.6	311.4	312.8	315.7	323.7	334.3
137.5°	257.6	271.7	280.3	285.5	288.0	290.6	292.4	293.6	297.4	303.5	312.6
140°	233.9	247.6	256.8	263.6	266.8	270.0	272.8	274.4	277.6	282.5	291.2
142.5°	210.2	223.2	233.0	241.2	245.1	248.7	252.2	254.6	256.9	261.9	268.2
145°	186.5	198.7	208.9	217.3	222.6	227.1	230.6	234.1	236.4	239.6	245.7
147.5°	162.7	174.1	184.5	192.7	199.5	204.0	208.3	212.2	215.3	217.7	221.9
150°	138.8	149.5	159.9	167.8	176.0	180.5	185.1	189.3	193.2	196.0	198.3
152.5°	115.2	124.8	134.2	142.5	149.9	156.2	161.0	165.4	169.4	173.2	175.8
155°	91.7	100.0	108.6	116.7	123.8	130.7	135.9	140.5	144.7	148.6	155.0
157.5°	68.7	76.2	84.9	93.5	101.7	109.8	117.6	124.1	130.4	136.6	142.7
160°	61.2	67.4	75.2	83.0	90.5	97.8	105.0	112.0	117.8	123.5	129.1
162.5°	53.7	59.1	65.4	72.2	78.9	85.5	92.0	98.3	104.4	109.8	114.8
165°	46.2	50.8	55.5	61.4	67.2	72.9	78.4	84.0	89.4	94.6	100.4
167.5°	38.7	42.5	46.3	50.4	55.3	60.1	64.8	69.3	73.8	78.3	82.6
170°	31.1	34.2	37.2	40.2	43.3	47.1	50.9	54.6	58.1	61.6	65.1
172.5°	23.6	25.9	28.2	30.4	32.6	34.7	36.9	39.6	42.3	44.9	47.4
175°	16.0	17.6	19.1	20.6	22.0	23.4	24.8	26.1	27.4	28.6	29.8
177.5°	8.5	9.2	10.0	10.7	11.5	12.2	12.8	13.5	14.1	14.7	15.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	15.9	16.4	16.9	17.4	17.8	18.2	18.6	18.9	19.2	19.5	19.7
5°	31.4	32.9	34.4	35.8	37.1	38.3	39.5	40.6	41.5	42.4	43.3
7.5°	49.8	52.1	54.3	56.4	58.4	60.5	62.4	64.2	65.8	67.4	68.7
10°	68.3	71.5	74.7	77.7	80.5	83.2	85.8	88.0	89.9	91.7	93.3
12.5°	86.8	90.8	94.6	97.8	100.9	103.8	106.6	109.2	111.6	114.2	116.7
15°	104.0	108.2	112.1	115.9	119.7	123.6	127.4	131.1	134.6	137.9	141.1
17.5°	119.6	124.9	129.2	134.0	138.7	143.3	147.7	151.9	156.1	160.1	164.1
20°	134.7	140.2	145.6	150.9	155.9	160.9	165.8	171.0	176.5	181.6	186.3
22.5°	148.7	154.5	159.9	165.4	171.0	178.1	185.0	191.6	197.6	202.3	206.3
25°	160.8	166.3	172.7	180.6	189.2	197.3	205.2	212.2	218.3	223.6	228.6
27.5°	178.0	181.7	188.3	198.2	208.8	218.9	228.9	236.3	243.7	250.0	255.6
30°	202.8	209.3	216.3	225.3	234.1	244.0	254.8	264.2	273.2	281.0	288.1
32.5°	228.4	236.0	245.5	255.1	265.5	275.5	286.1	296.6	306.2	313.9	320.7
35°	253.1	262.8	273.2	284.5	295.9	307.9	319.5	329.4	338.6	349.0	360.4
37.5°	277.9	288.4	300.6	313.1	326.3	338.7	350.0	361.7	375.3	389.8	402.6
40°	301.2	314.0	327.3	341.3	354.9	367.6	382.1	397.3	413.4	430.0	447.2
42.5°	325.1	338.6	353.5	368.1	382.3	398.5	415.1	434.0	454.2	474.8	496.7
45°	347.7	363.0	378.5	393.9	411.2	429.1	449.9	471.3	495.9	522.7	554.9
47.5°	370.2	386.1	402.7	420.4	439.4	461.5	484.7	511.0	541.6	576.0	619.6
50°	394.1	408.8	426.7	446.5	468.9	493.0	520.5	552.6	590.2	638.4	690.8
52.5°	452.5	455.0	461.3	472.6	498.5	525.2	557.0	594.9	646.3	703.9	769.6
55°	506.7	505.9	509.9	519.6	535.9	557.8	592.0	644.3	703.7	770.6	849.1
57.5°	556.2	552.0	553.4	561.8	577.9	603.6	642.6	694.1	759.3	839.7	928.7
60°	601.6	592.9	592.4	600.7	618.7	647.8	696.9	754.6	824.3	906.6	1012.1
62.5°	643.3	630.9	627.1	634.8	656.8	696.3	749.1	812.4	894.9	991.1	1103.5
65°	681.2	665.3	660.4	669.1	693.6	739.2	797.1	874.4	967.0	1074.2	1202.7
67.5°	715.6	695.9	690.0	701.6	732.8	781.3	844.8	930.6	1033.6	1157.2	1303.1
70°	748.4	723.8	716.2	731.1	767.2	819.1	893.5	987.8	1098.9	1231.1	1394.7
72.5°	766.9	747.7	744.0	760.6	797.9	854.5	936.3	1037.4	1156.4	1299.9	1457.2
75°	780.9	767.3	770.0	791.5	831.8	891.4	977.9	1081.0	1202.4	1353.5	1506.7
77.5°	796.2	788.1	795.2	820.4	863.5	929.8	1020.0	1125.3	1249.9	1394.7	1547.1
80°	812.7	809.9	819.7	847.4	892.3	963.6	1055.8	1160.6	1288.6	1431.0	1597.0
82.5°	830.2	832.3	843.4	872.6	918.4	993.0	1085.5	1187.3	1316.5	1457.1	1631.1
85°	848.5	855.1	866.6	896.3	942.0	1018.1	1109.5	1206.3	1334.5	1473.1	1649.8
87.5°	867.3	878.2	889.4	919.1	964.3	1041.0	1130.5	1221.0	1347.1	1483.7	1660.2
90°	886.7	900.8	911.4	939.6	982.8	1056.9	1142.5	1225.4	1344.5	1476.9	1645.4
92.5°	867.3	878.2	889.4	919.1	964.3	1041.0	1130.5	1221.0	1347.1	1483.7	1660.2
95°	848.5	855.1	866.6	896.3	942.0	1018.1	1109.5	1206.3	1334.5	1473.1	1649.8
97.5°	830.2	832.3	843.4	872.6	918.4	993.0	1085.5	1187.3	1316.5	1457.1	1631.1
100°	812.7	809.9	819.7	847.4	892.3	963.6	1055.8	1160.6	1288.6	1431.0	1597.0
102.5°	796.2	788.1	795.2	820.4	863.5	929.8	1020.0	1125.3	1249.9	1394.7	1547.1
105°	780.9	767.3	770.0	791.5	831.8	891.4	977.9	1081.0	1202.4	1353.5	1506.7
107.5°	766.9	747.7	744.0	760.6	797.9	854.5	936.3	1037.4	1156.4	1299.9	1457.2
110°	748.4	723.8	716.2	731.1	767.2	819.1	893.5	987.8	1098.9	1231.1	1394.7



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	715.6	695.9	690.0	701.6	732.8	781.3	844.8	930.6	1033.6	1157.2	1303.1
115°	681.2	665.3	660.4	669.1	693.6	739.2	797.1	874.4	967.0	1074.2	1202.7
117.5°	643.3	630.9	627.1	634.8	656.8	696.3	749.1	812.4	894.9	991.1	1103.5
120°	601.6	592.9	592.4	600.7	618.7	647.8	696.9	754.6	824.3	906.6	1012.1
122.5°	556.2	552.0	553.4	561.8	577.9	603.6	642.6	694.1	759.3	839.7	928.7
125°	506.7	505.9	509.9	519.6	535.9	557.8	592.0	644.3	703.7	770.6	849.1
127.5°	452.5	455.0	461.3	472.6	498.5	525.2	557.0	594.9	646.3	703.9	769.6
130°	394.1	408.8	426.7	446.5	468.9	493.0	520.5	552.6	590.2	638.4	690.8
132.5°	370.2	386.1	402.7	420.4	439.4	461.5	484.7	511.0	541.6	576.0	619.6
135°	347.7	363.0	378.5	393.9	411.2	429.1	449.9	471.3	495.9	522.7	554.9
137.5°	325.1	338.6	353.5	368.1	382.3	398.5	415.1	434.0	454.2	474.8	496.7
140°	301.2	314.0	327.3	341.3	354.9	367.6	382.1	397.3	413.4	430.0	447.2
142.5°	277.9	288.4	300.6	313.1	326.3	338.7	350.0	361.7	375.3	389.8	402.6
145°	253.1	262.8	273.2	284.5	295.9	307.9	319.5	329.4	338.6	349.0	360.4
147.5°	228.4	236.0	245.5	255.1	265.5	275.5	286.1	296.6	306.2	313.9	320.7
150°	202.8	209.3	216.3	225.3	234.1	244.0	254.8	264.2	273.2	281.0	288.1
152.5°	178.0	181.7	188.3	198.2	208.8	218.9	228.9	236.3	243.7	250.0	255.6
155°	160.8	166.3	172.7	180.6	189.2	197.3	205.2	212.2	218.3	223.6	228.6
157.5°	148.7	154.5	159.9	165.4	171.0	178.1	185.0	191.6	197.6	202.3	206.3
160°	134.7	140.2	145.6	150.9	155.9	160.9	165.8	171.0	176.5	181.6	186.3
162.5°	119.6	124.9	129.2	134.0	138.7	143.3	147.7	151.9	156.1	160.1	164.1
165°	104.0	108.2	112.1	115.9	119.7	123.6	127.4	131.1	134.6	137.9	141.1
167.5°	86.8	90.8	94.6	97.8	100.9	103.8	106.6	109.2	111.6	114.2	116.7
170°	68.3	71.5	74.7	77.7	80.5	83.2	85.8	88.0	89.9	91.7	93.3
172.5°	49.8	52.1	54.3	56.4	58.4	60.5	62.4	64.2	65.8	67.4	68.7
175°	31.4	32.9	34.4	35.8	37.1	38.3	39.5	40.6	41.5	42.4	43.3
177.5°	15.9	16.4	16.9	17.4	17.8	18.2	18.6	18.9	19.2	19.5	19.7
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: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-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°	19.9	20.1	20.2	20.3	20.3	20.3	20.9	20.7	20.4	20.2	19.9
5°	44.0	44.6	45.1	45.5	45.9	46.1	46.3	46.3	47.0	46.5	46.0
7.5°	70.0	71.1	72.1	72.9	73.5	74.1	74.4	74.6	74.6	75.2	74.6
10°	94.8	96.1	97.3	98.2	99.0	99.6	100.1	100.4	100.4	101.2	100.4
12.5°	119.0	121.2	123.1	124.9	126.4	127.7	128.8	129.6	130.2	130.5	131.1
15°	144.1	147.0	149.7	152.1	154.4	156.4	158.1	159.6	160.8	161.7	163.0
17.5°	167.9	171.4	174.5	177.4	179.8	182.0	183.7	185.2	186.2	186.9	188.0
20°	190.7	194.2	196.3	197.8	198.9	199.4	199.5	199.2	198.5	197.5	196.6
22.5°	209.5	212.0	214.2	215.9	216.9	217.3	217.1	216.3	215.0	213.2	211.5
25°	232.5	235.6	237.7	239.7	240.8	241.0	240.5	239.1	237.1	234.4	231.2
27.5°	260.5	264.3	266.9	268.9	270.5	271.3	271.2	270.3	268.6	266.1	262.9
30°	292.6	297.0	300.5	303.2	308.6	313.2	316.7	319.2	320.6	320.7	319.6
32.5°	327.7	336.7	345.0	352.5	360.7	368.9	376.2	382.3	387.1	390.5	392.2
35°	371.3	383.4	395.8	407.8	419.7	432.9	444.8	455.4	464.3	471.3	476.3
37.5°	417.3	432.9	451.2	468.9	485.9	505.3	523.5	539.6	553.3	564.5	572.9
40°	466.6	487.3	513.1	539.4	564.3	590.6	617.8	642.5	664.1	682.3	696.7
42.5°	524.2	553.0	585.2	622.6	658.5	693.8	731.7	765.1	793.7	817.2	835.6
45°	589.3	630.6	670.1	721.4	771.7	823.0	862.2	902.5	937.8	967.6	991.6
47.5°	665.6	720.3	778.1	836.2	894.1	948.4	1005.1	1060.7	1109.5	1151.0	1184.4
50°	753.6	818.3	886.4	952.9	1031.4	1105.6	1179.2	1256.4	1324.1	1381.3	1427.2
52.5°	842.4	917.5	1004.3	1093.1	1194.9	1299.1	1394.0	1482.1	1562.0	1632.1	1690.7
55°	932.2	1029.8	1135.6	1257.6	1378.9	1496.7	1604.8	1689.0	1762.4	1828.8	1886.8
57.5°	1031.4	1151.7	1283.2	1421.2	1562.5	1660.1	1751.4	1835.9	1911.3	1981.0	2043.6
60°	1137.5	1276.7	1428.7	1569.7	1691.1	1789.0	1871.3	1952.7	2029.6	2099.2	2161.1
62.5°	1240.0	1402.7	1558.6	1699.9	1801.1	1893.8	1973.1	2049.5	2128.3	2200.0	2263.0
65°	1356.5	1518.3	1677.0	1789.9	1887.7	1976.4	2062.0	2142.4	2219.5	2289.0	2345.7
67.5°	1463.8	1630.7	1755.6	1859.7	1955.8	2051.9	2142.8	2228.7	2306.7	2370.6	2423.5
70°	1552.5	1703.6	1822.6	1917.5	2018.2	2117.8	2213.3	2299.8	2380.8	2450.3	2498.3
72.5°	1620.1	1771.7	1876.1	1975.2	2073.7	2171.6	2268.8	2358.9	2451.1	2527.6	2568.1
75°	1681.6	1814.6	1919.1	2020.0	2121.9	2220.5	2308.3	2403.1	2494.5	2576.9	2625.3
77.5°	1733.1	1851.6	1949.2	2053.7	2160.6	2258.0	2346.5	2434.5	2540.1	2619.7	2669.5
80°	1760.5	1873.4	1969.4	2077.8	2189.3	2288.2	2379.1	2481.8	2584.8	2658.6	2693.1
82.5°	1783.8	1892.0	1993.1	2101.3	2205.2	2302.2	2400.5	2505.5	2611.4	2677.2	2708.3
85°	1800.5	1902.7	2008.1	2117.4	2219.6	2316.6	2411.7	2512.8	2622.0	2691.2	2725.5
87.5°	1814.6	1905.1	2013.5	2120.8	2222.9	2319.4	2423.1	2527.0	2638.1	2699.1	2727.4
90°	1806.8	1899.5	2008.9	2112.1	2214.4	2308.8	2420.9	2518.8	2634.4	2697.0	2712.9
92.5°	1814.6	1905.1	2013.5	2120.8	2222.9	2319.4	2423.1	2527.0	2638.1	2699.1	2727.4
95°	1800.5	1902.7	2008.1	2117.4	2219.6	2316.6	2411.7	2512.8	2622.0	2691.2	2725.5
97.5°	1783.8	1892.0	1993.1	2101.3	2205.2	2302.2	2400.5	2505.5	2611.4	2677.2	2708.3
100°	1760.5	1873.4	1969.4	2077.8	2189.3	2288.2	2379.1	2481.8	2584.8	2658.6	2693.1
102.5°	1733.1	1851.6	1949.2	2053.7	2160.6	2258.0	2346.5	2434.5	2540.1	2619.7	2669.5
105°	1681.6	1814.6	1919.1	2020.0	2121.9	2220.5	2308.3	2403.1	2494.5	2576.9	2625.3
107.5°	1620.1	1771.7	1876.1	1975.2	2073.7	2171.6	2268.8	2358.9	2451.1	2527.6	2568.1
110°	1552.5	1703.6	1822.6	1917.5	2018.2	2117.8	2213.3	2299.8	2380.8	2450.3	2498.3



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1463.8	1630.7	1755.6	1859.7	1955.8	2051.9	2142.8	2228.7	2306.7	2370.6	2423.5
115°	1356.5	1518.3	1677.0	1789.9	1887.7	1976.4	2062.0	2142.4	2219.5	2289.0	2345.7
117.5°	1240.0	1402.7	1558.6	1699.9	1801.1	1893.8	1973.1	2049.5	2128.3	2200.0	2263.0
120°	1137.5	1276.7	1428.7	1569.7	1691.1	1789.0	1871.3	1952.7	2029.6	2099.2	2161.1
122.5°	1031.4	1151.7	1283.2	1421.2	1562.5	1660.1	1751.4	1835.9	1911.3	1981.0	2043.6
125°	932.2	1029.8	1135.6	1257.6	1378.9	1496.7	1604.8	1689.0	1762.4	1828.8	1886.8
127.5°	842.4	917.5	1004.3	1093.1	1194.9	1299.1	1394.0	1482.1	1562.0	1632.1	1690.7
130°	753.6	818.3	886.4	952.9	1031.4	1105.6	1179.2	1256.4	1324.1	1381.3	1427.2
132.5°	665.6	720.3	778.1	836.2	894.1	948.4	1005.1	1060.7	1109.5	1151.0	1184.4
135°	589.3	630.6	670.1	721.4	771.7	823.0	862.2	902.5	937.8	967.6	991.6
137.5°	524.2	553.0	585.2	622.6	658.5	693.8	731.7	765.1	793.7	817.2	835.6
140°	466.6	487.3	513.1	539.4	564.3	590.6	617.8	642.5	664.1	682.3	696.7
142.5°	417.3	432.9	451.2	468.9	485.9	505.3	523.5	539.6	553.3	564.5	572.9
145°	371.3	383.4	395.8	407.8	419.7	432.9	444.8	455.4	464.3	471.3	476.3
147.5°	327.7	336.7	345.0	352.5	360.7	368.9	376.2	382.3	387.1	390.5	392.2
150°	292.6	297.0	300.5	303.2	308.6	313.2	316.7	319.2	320.6	320.7	319.6
152.5°	260.5	264.3	266.9	268.9	270.5	271.3	271.2	270.3	268.6	266.1	262.9
155°	232.5	235.6	237.7	239.7	240.8	241.0	240.5	239.1	237.1	234.4	231.2
157.5°	209.5	212.0	214.2	215.9	216.9	217.3	217.1	216.3	215.0	213.2	211.5
160°	190.7	194.2	196.3	197.8	198.9	199.4	199.5	199.2	198.5	197.5	196.6
162.5°	167.9	171.4	174.5	177.4	179.8	182.0	183.7	185.2	186.2	186.9	188.0
165°	144.1	147.0	149.7	152.1	154.4	156.4	158.1	159.6	160.8	161.7	163.0
167.5°	119.0	121.2	123.1	124.9	126.4	127.7	128.8	129.6	130.2	130.5	131.1
170°	94.8	96.1	97.3	98.2	99.0	99.6	100.1	100.4	100.4	101.2	100.4
172.5°	70.0	71.1	72.1	72.9	73.5	74.1	74.4	74.6	74.6	75.2	74.6
175°	44.0	44.6	45.1	45.5	45.9	46.1	46.3	46.3	47.0	46.5	46.0
177.5°	19.9	20.1	20.2	20.3	20.3	20.3	20.9	20.7	20.4	20.2	19.9
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: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.9	0.9
2.5°	19.7	19.4
5°	45.5	45.0
7.5°	73.9	73.2
10°	99.6	98.8
12.5°	130.4	129.7
15°	162.6	162.3
17.5°	187.5	187.0
20°	194.9	193.2
22.5°	208.6	205.6
25°	227.6	223.2
27.5°	259.2	254.1
30°	317.8	313.2
32.5°	393.1	390.0
35°	480.3	479.1
37.5°	580.0	580.5
40°	709.4	712.9
42.5°	851.3	855.8
45°	1012.7	1019.9
47.5°	1213.9	1224.6
50°	1467.7	1482.2
52.5°	1744.1	1767.1
55°	1941.2	1971.8
57.5°	2103.1	2141.2
60°	2219.1	2259.4
62.5°	2317.3	2362.7
65°	2391.3	2428.0
67.5°	2466.0	2499.4
70°	2531.7	2554.1
72.5°	2596.5	2614.1
75°	2648.8	2662.6
77.5°	2681.8	2682.9
80°	2706.0	2709.4
82.5°	2723.1	2732.3
85°	2741.9	2733.2
87.5°	2748.0	2744.7
90°	2743.8	2738.5
92.5°	2748.0	2744.7
95°	2741.9	2733.2
97.5°	2723.1	2732.3
100°	2706.0	2709.4
102.5°	2681.8	2682.9
105°	2648.8	2662.6
107.5°	2596.5	2614.1
110°	2531.7	2554.1



TEST NUMBER: P232080

CATALOG NUMBER: FVS4WM-3-LD4-30-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2466.0	2499.4
115°	2391.3	2428.0
117.5°	2317.3	2362.7
120°	2219.1	2259.4
122.5°	2103.1	2141.2
125°	1941.2	1971.8
127.5°	1744.1	1767.1
130°	1467.7	1482.2
132.5°	1213.9	1224.6
135°	1012.7	1019.9
137.5°	851.3	855.8
140°	709.4	712.9
142.5°	580.0	580.5
145°	480.3	479.1
147.5°	393.1	390.0
150°	317.8	313.2
152.5°	259.2	254.1
155°	227.6	223.2
157.5°	208.6	205.6
160°	194.9	193.2
162.5°	187.5	187.0
165°	162.6	162.3
167.5°	130.4	129.7
170°	99.6	98.8
172.5°	73.9	73.2
175°	45.5	45.0
177.5°	19.7	19.4
180°	0.0	0.0

(END OF REPORT)