

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: P232079

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-30)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-50-2LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

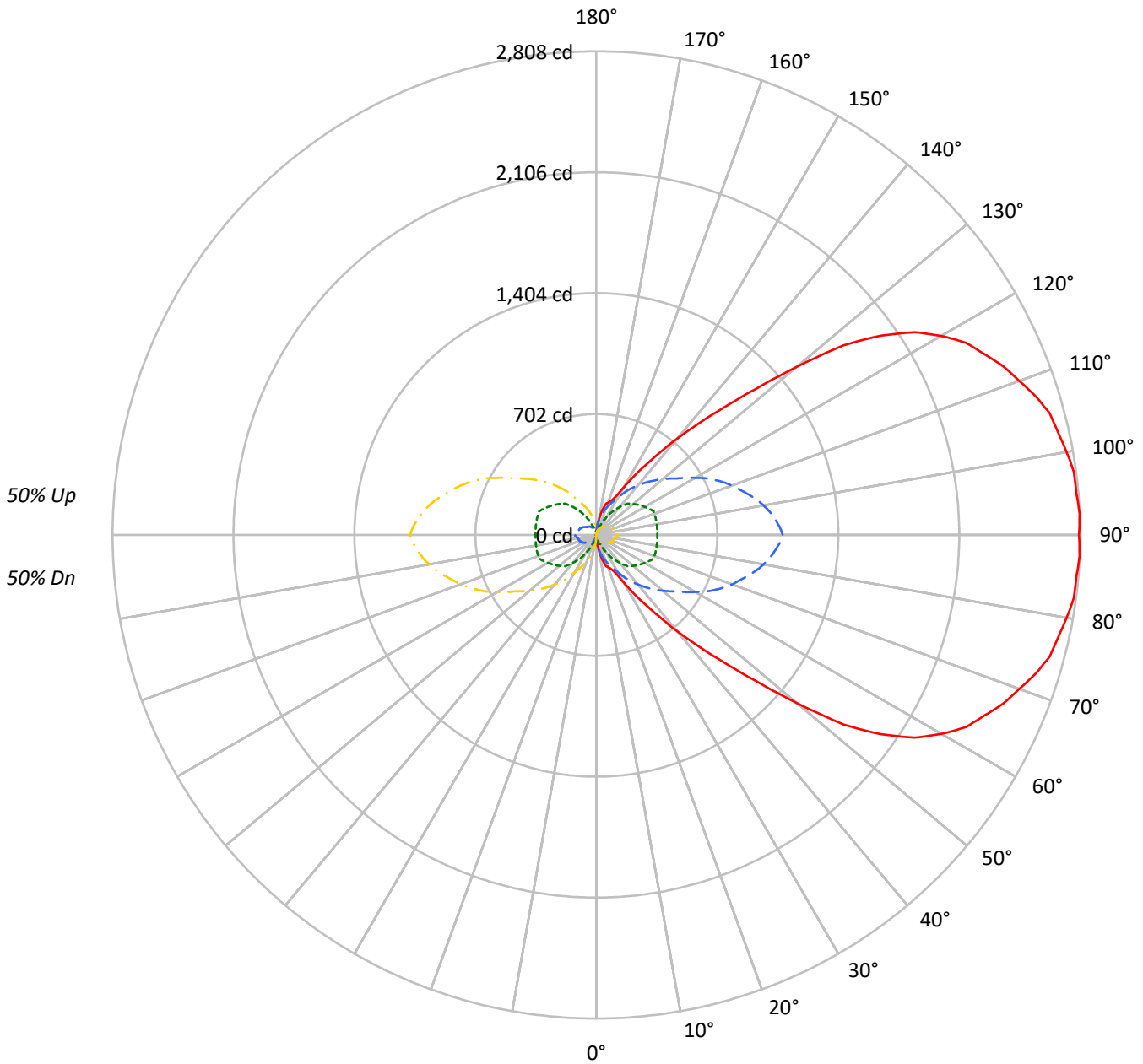
Lumens per Lamp: N/A
Luminaire Lumens: 6314.1 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 29.07 / 18.35 / 19.53
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 56.8
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°	793	256	0	256
10°	1562	498	0	498
15°	2340	745	0	745
20°	2577	1006	0	1006
25°	2790	1620	0	1620
30°	3711	2628	0	2628
35°	5434	3739	0	3739
40°	7813	4993	0	4993
45°	10890	6444	9	6444
50°	15548	7581	9	7581
55°	20478	8988	9	8988
60°	23410	10788	9	10788
65°	25289	13172	9	13172
70°	26951	15939	19	15939
75°	28690	19399	19	19399
80°	30058	25079	0	25079
85°	31494	35966	0	35966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	20.5	0.3
20°-30°	54.9	0.9
30°-40°	126.3	2.0
40°-50°	247.7	3.9
50°-60°	441.3	7.0
60°-70°	640.8	10.1
70°-80°	777.7	12.3
80°-90°	845.1	13.4
90°-100°	845.1	13.4
100°-110°	777.7	12.3
110°-120°	640.8	10.1
120°-130°	441.3	7.0
130°-140°	247.7	3.9
140°-150°	126.3	2.0
150°-160°	54.9	0.9
160°-170°	20.5	0.3
170°-180°	2.8	0.0
0°-30°	78.2	1.2
0°-40°	204.5	3.2
0°-60°	893.4	14.1
0°-90°	3157.1	50.0
90°-120°	2263.6	35.9
90°-150°	3078.9	48.8
90°-180°	3157.0	50.0
0°-180°	6314.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	46	13	0	13	46	6
15°	166	38	0	38	166	47
25°	228	78	0	78	228	112
35°	490	167	0	167	490	320
45°	1043	256	1	256	1043	840
55°	2017	302	1	302	2017	1785
65°	2484	348	1	348	2484	2463
75°	2724	357	2	357	2724	2866
85°	2796	354	0	354	2796	2282
90°	2802	353	0	353	2802	1537
95°	2796	354	0	354	2796	2282
105°	2724	357	2	357	2724	2866
115°	2484	348	1	348	2484	2463
125°	2017	302	1	302	2017	1785
135°	1043	256	1	256	1043	840
145°	490	167	0	167	490	320
155°	228	78	0	78	228	112
165°	166	38	0	38	166	47
175°	46	13	0	13	46	6
180°	0	0	0	0	0	



TEST NUMBER: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	19.9	20.2	20.4	20.7	21.0	21.2	21.5	20.9	20.8	20.8	20.7
5°	46.0	46.5	47.0	47.5	48.1	47.3	47.3	47.2	46.9	46.6	46.1
7.5°	74.9	75.6	76.3	77.0	76.4	76.3	76.1	75.8	75.2	74.6	73.7
10°	101.1	101.9	102.7	103.5	102.8	102.7	102.4	102.0	101.3	100.5	99.5
12.5°	132.7	133.4	134.1	133.5	133.2	132.6	131.8	130.7	129.3	127.8	126.0
15°	166.1	166.4	166.8	165.5	164.6	163.3	161.8	160.0	158.0	155.7	153.1
17.5°	191.3	191.8	192.3	191.2	190.5	189.4	188.0	186.2	184.0	181.5	178.6
20°	197.7	199.4	201.1	202.1	203.1	203.8	204.1	204.0	203.5	202.4	200.8
22.5°	210.3	213.3	216.4	218.1	219.9	221.3	222.1	222.3	221.9	220.9	219.1
25°	228.3	232.8	236.4	239.8	242.5	244.6	246.0	246.6	246.3	245.2	243.2
27.5°	259.9	265.1	268.9	272.2	274.8	276.5	277.4	277.5	276.7	275.1	273.0
30°	320.4	325.1	326.9	328.1	327.9	326.5	324.0	320.4	315.7	310.2	307.4
32.5°	398.9	402.1	401.1	399.4	396.0	391.1	384.8	377.4	369.0	360.6	352.9
35°	490.1	491.3	487.2	482.1	474.9	465.8	455.0	442.8	429.3	417.1	404.9
37.5°	593.9	593.4	586.1	577.5	566.1	552.0	535.6	516.9	497.0	479.6	461.5
40°	729.3	725.8	712.8	698.0	679.3	657.3	632.1	604.2	577.3	551.8	524.8
42.5°	875.5	870.9	854.8	836.0	811.9	782.7	748.5	709.8	673.7	637.0	598.8
45°	1043.3	1035.9	1014.3	989.9	959.3	923.2	882.0	841.9	789.4	738.0	685.5
47.5°	1252.7	1241.8	1211.6	1177.4	1135.0	1085.1	1028.2	970.2	914.6	855.4	795.9
50°	1516.3	1501.5	1460.1	1413.1	1354.5	1285.3	1206.4	1131.0	1055.1	974.8	906.7
52.5°	1807.8	1784.3	1729.6	1669.6	1597.9	1516.2	1426.0	1329.0	1222.4	1118.3	1027.4
55°	2017.2	1985.9	1930.3	1870.9	1802.9	1727.9	1641.8	1531.1	1410.6	1286.5	1161.8
57.5°	2190.5	2151.5	2090.6	2026.6	1955.3	1878.2	1791.7	1698.2	1598.4	1453.9	1312.7
60°	2311.4	2270.2	2210.8	2147.5	2076.3	1997.6	1914.3	1830.1	1730.0	1605.8	1461.5
62.5°	2417.0	2370.5	2315.0	2250.5	2177.3	2096.6	2018.4	1937.3	1842.5	1738.9	1594.4
65°	2483.8	2446.2	2399.6	2341.6	2270.6	2191.6	2109.4	2021.8	1931.1	1831.0	1715.5
67.5°	2556.9	2522.7	2479.2	2425.1	2359.7	2279.9	2192.1	2099.1	2000.7	1902.4	1796.0
70°	2612.8	2589.9	2555.7	2506.7	2435.6	2352.7	2264.2	2166.4	2064.6	1961.6	1864.5
72.5°	2674.2	2656.1	2627.1	2585.7	2507.5	2413.2	2321.0	2221.6	2121.4	2020.6	1919.3
75°	2723.9	2709.7	2685.7	2636.1	2551.8	2458.3	2361.4	2271.6	2170.7	2066.4	1963.2
77.5°	2744.6	2743.5	2730.9	2679.9	2598.5	2490.5	2400.5	2310.0	2210.3	2100.9	1994.1
80°	2771.7	2768.2	2755.0	2719.7	2644.2	2538.8	2433.9	2340.8	2239.7	2125.7	2014.7
82.5°	2795.2	2785.7	2770.6	2738.8	2671.4	2563.0	2455.7	2355.2	2255.9	2149.6	2038.9
85°	2796.1	2804.9	2788.2	2753.1	2682.3	2570.6	2467.1	2369.9	2270.7	2166.1	2054.3
87.5°	2807.8	2811.1	2790.2	2761.2	2698.8	2585.1	2478.8	2372.8	2274.1	2169.6	2059.8
90°	2801.5	2806.9	2775.3	2759.1	2695.0	2576.7	2476.6	2361.9	2265.4	2160.7	2055.1
92.5°	2807.8	2811.1	2790.2	2761.2	2698.8	2585.1	2478.8	2372.8	2274.1	2169.6	2059.8
95°	2796.1	2804.9	2788.2	2753.1	2682.3	2570.6	2467.1	2369.9	2270.7	2166.1	2054.3
97.5°	2795.2	2785.7	2770.6	2738.8	2671.4	2563.0	2455.7	2355.2	2255.9	2149.6	2038.9
100°	2771.7	2768.2	2755.0	2719.7	2644.2	2538.8	2433.9	2340.8	2239.7	2125.7	2014.7
102.5°	2744.6	2743.5	2730.9	2679.9	2598.5	2490.5	2400.5	2310.0	2210.3	2100.9	1994.1
105°	2723.9	2709.7	2685.7	2636.1	2551.8	2458.3	2361.4	2271.6	2170.7	2066.4	1963.2
107.5°	2674.2	2656.1	2627.1	2585.7	2507.5	2413.2	2321.0	2221.6	2121.4	2020.6	1919.3
110°	2612.8	2589.9	2555.7	2506.7	2435.6	2352.7	2264.2	2166.4	2064.6	1961.6	1864.5



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2556.9	2522.7	2479.2	2425.1	2359.7	2279.9	2192.1	2099.1	2000.7	1902.4	1796.0
115°	2483.8	2446.2	2399.6	2341.6	2270.6	2191.6	2109.4	2021.8	1931.1	1831.0	1715.5
117.5°	2417.0	2370.5	2315.0	2250.5	2177.3	2096.6	2018.4	1937.3	1842.5	1738.9	1594.4
120°	2311.4	2270.2	2210.8	2147.5	2076.3	1997.6	1914.3	1830.1	1730.0	1605.8	1461.5
122.5°	2190.5	2151.5	2090.6	2026.6	1955.3	1878.2	1791.7	1698.2	1598.4	1453.9	1312.7
125°	2017.2	1985.9	1930.3	1870.9	1802.9	1727.9	1641.8	1531.1	1410.6	1286.5	1161.8
127.5°	1807.8	1784.3	1729.6	1669.6	1597.9	1516.2	1426.0	1329.0	1222.4	1118.3	1027.4
130°	1516.3	1501.5	1460.1	1413.1	1354.5	1285.3	1206.4	1131.0	1055.1	974.8	906.7
132.5°	1252.7	1241.8	1211.6	1177.4	1135.0	1085.1	1028.2	970.2	914.6	855.4	795.9
135°	1043.3	1035.9	1014.3	989.9	959.3	923.2	882.0	841.9	789.4	738.0	685.5
137.5°	875.5	870.9	854.8	836.0	811.9	782.7	748.5	709.8	673.7	637.0	598.8
140°	729.3	725.8	712.8	698.0	679.3	657.3	632.1	604.2	577.3	551.8	524.8
142.5°	593.9	593.4	586.1	577.5	566.1	552.0	535.6	516.9	497.0	479.6	461.5
145°	490.1	491.3	487.2	482.1	474.9	465.8	455.0	442.8	429.3	417.1	404.9
147.5°	398.9	402.1	401.1	399.4	396.0	391.1	384.8	377.4	369.0	360.6	352.9
150°	320.4	325.1	326.9	328.1	327.9	326.5	324.0	320.4	315.7	310.2	307.4
152.5°	259.9	265.1	268.9	272.2	274.8	276.5	277.4	277.5	276.7	275.1	273.0
155°	228.3	232.8	236.4	239.8	242.5	244.6	246.0	246.6	246.3	245.2	243.2
157.5°	210.3	213.3	216.4	218.1	219.9	221.3	222.1	222.3	221.9	220.9	219.1
160°	197.7	199.4	201.1	202.1	203.1	203.8	204.1	204.0	203.5	202.4	200.8
162.5°	191.3	191.8	192.3	191.2	190.5	189.4	188.0	186.2	184.0	181.5	178.6
165°	166.1	166.4	166.8	165.5	164.6	163.3	161.8	160.0	158.0	155.7	153.1
167.5°	132.7	133.4	134.1	133.5	133.2	132.6	131.8	130.7	129.3	127.8	126.0
170°	101.1	101.9	102.7	103.5	102.8	102.7	102.4	102.0	101.3	100.5	99.5
172.5°	74.9	75.6	76.3	77.0	76.4	76.3	76.1	75.8	75.2	74.6	73.7
175°	46.0	46.5	47.0	47.5	48.1	47.3	47.3	47.2	46.9	46.6	46.1
177.5°	19.9	20.2	20.4	20.7	21.0	21.2	21.5	20.9	20.8	20.8	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



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	20.6	20.4	20.2	20.0	19.7	19.4	19.0	18.7	18.2	17.8	17.3
5°	45.6	45.0	44.2	43.4	42.5	41.5	40.4	39.2	38.0	36.6	35.2
7.5°	72.7	71.6	70.3	68.9	67.3	65.6	63.8	61.9	59.8	57.7	55.6
10°	98.3	97.0	95.5	93.8	92.0	90.0	87.8	85.1	82.4	79.4	76.4
12.5°	124.0	121.8	119.4	116.8	114.2	111.7	109.0	106.2	103.2	100.1	96.8
15°	150.4	147.5	144.4	141.1	137.7	134.1	130.4	126.5	122.4	118.6	114.7
17.5°	175.3	171.8	167.9	163.9	159.7	155.5	151.1	146.6	142.0	137.1	132.2
20°	198.6	195.1	190.6	185.8	180.6	175.0	169.7	164.6	159.5	154.4	149.0
22.5°	216.9	214.4	211.1	207.0	202.1	196.0	189.3	182.2	174.9	169.2	163.6
25°	241.0	237.9	233.8	228.8	223.3	217.1	209.9	201.8	193.5	184.8	176.7
27.5°	270.4	266.5	261.5	255.7	249.3	241.7	234.2	223.9	213.6	202.7	192.6
30°	303.9	299.4	294.7	287.4	279.5	270.2	260.6	249.6	239.5	230.5	221.3
32.5°	344.4	335.2	328.1	321.1	313.2	303.4	292.7	281.9	271.6	260.9	251.1
35°	392.2	379.8	368.7	357.1	346.4	337.0	326.9	315.0	302.7	291.1	279.4
37.5°	442.8	426.9	411.8	398.8	383.9	370.0	358.1	346.5	333.8	320.4	307.5
40°	498.5	477.3	457.4	439.8	422.9	406.4	390.9	376.1	363.0	349.2	334.8
42.5°	565.8	536.3	508.1	485.6	464.6	444.0	424.7	407.6	391.0	376.5	361.6
45°	645.1	603.0	567.7	534.7	507.3	482.1	460.3	438.9	420.6	402.9	387.1
47.5°	736.8	680.9	633.9	589.2	554.1	522.7	495.8	472.0	449.5	430.1	411.9
50°	837.1	770.9	706.7	653.1	603.8	565.3	532.4	504.3	479.6	456.7	436.5
52.5°	938.5	861.7	787.3	720.1	661.2	608.5	569.8	537.3	510.0	483.5	471.8
55°	1053.5	953.6	868.6	788.3	719.9	659.2	605.6	570.6	548.3	531.6	521.6
57.5°	1178.2	1055.2	950.1	859.0	776.8	710.1	657.4	617.5	591.2	574.6	566.1
60°	1306.1	1163.7	1035.4	927.4	843.2	771.9	713.0	662.7	632.9	614.5	606.0
62.5°	1435.0	1268.6	1129.0	1014.0	915.4	831.1	766.4	712.4	671.9	649.4	641.5
65°	1553.2	1387.7	1230.4	1099.0	989.3	894.5	815.5	756.2	709.6	684.5	675.6
67.5°	1668.1	1497.4	1333.1	1183.8	1057.4	952.0	864.2	799.3	749.7	717.8	705.9
70°	1742.7	1588.2	1426.7	1259.4	1124.2	1010.4	914.0	837.9	784.9	747.9	732.7
72.5°	1812.4	1657.2	1490.6	1329.8	1183.0	1061.2	957.7	874.2	816.3	778.2	761.2
75°	1856.3	1720.2	1541.3	1384.6	1230.0	1105.8	1000.3	911.9	851.0	809.8	787.8
77.5°	1894.2	1772.9	1582.6	1426.7	1278.7	1151.2	1043.5	951.2	883.4	839.3	813.5
80°	1916.5	1800.9	1633.7	1463.9	1318.2	1187.3	1080.0	985.8	912.8	866.9	838.5
82.5°	1935.6	1824.8	1668.5	1490.5	1346.8	1214.6	1110.4	1015.8	939.5	892.7	862.8
85°	1946.4	1842.0	1687.7	1506.9	1365.3	1234.1	1135.0	1041.5	963.7	916.9	886.5
87.5°	1948.9	1856.4	1698.3	1517.8	1378.1	1249.1	1156.5	1064.9	986.5	940.3	909.8
90°	1943.2	1848.4	1683.2	1510.8	1375.5	1253.6	1168.8	1081.2	1005.4	961.2	932.3
92.5°	1948.9	1856.4	1698.3	1517.8	1378.1	1249.1	1156.5	1064.9	986.5	940.3	909.8
95°	1946.4	1842.0	1687.7	1506.9	1365.3	1234.1	1135.0	1041.5	963.7	916.9	886.5
97.5°	1935.6	1824.8	1668.5	1490.5	1346.8	1214.6	1110.4	1015.8	939.5	892.7	862.8
100°	1916.5	1800.9	1633.7	1463.9	1318.2	1187.3	1080.0	985.8	912.8	866.9	838.5
102.5°	1894.2	1772.9	1582.6	1426.7	1278.7	1151.2	1043.5	951.2	883.4	839.3	813.5
105°	1856.3	1720.2	1541.3	1384.6	1230.0	1105.8	1000.3	911.9	851.0	809.8	787.8
107.5°	1812.4	1657.2	1490.6	1329.8	1183.0	1061.2	957.7	874.2	816.3	778.2	761.2
110°	1742.7	1588.2	1426.7	1259.4	1124.2	1010.4	914.0	837.9	784.9	747.9	732.7



TEST NUMBER: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	1668.1	1497.4	1333.1	1183.8	1057.4	952.0	864.2	799.3	749.7	717.8	705.9
115°	1553.2	1387.7	1230.4	1099.0	989.3	894.5	815.5	756.2	709.6	684.5	675.6
117.5°	1435.0	1268.6	1129.0	1014.0	915.4	831.1	766.4	712.4	671.9	649.4	641.5
120°	1306.1	1163.7	1035.4	927.4	843.2	771.9	713.0	662.7	632.9	614.5	606.0
122.5°	1178.2	1055.2	950.1	859.0	776.8	710.1	657.4	617.5	591.2	574.6	566.1
125°	1053.5	953.6	868.6	788.3	719.9	659.2	605.6	570.6	548.3	531.6	521.6
127.5°	938.5	861.7	787.3	720.1	661.2	608.5	569.8	537.3	510.0	483.5	471.8
130°	837.1	770.9	706.7	653.1	603.8	565.3	532.4	504.3	479.6	456.7	436.5
132.5°	736.8	680.9	633.9	589.2	554.1	522.7	495.8	472.0	449.5	430.1	411.9
135°	645.1	603.0	567.7	534.7	507.3	482.1	460.3	438.9	420.6	402.9	387.1
137.5°	565.8	536.3	508.1	485.6	464.6	444.0	424.7	407.6	391.0	376.5	361.6
140°	498.5	477.3	457.4	439.8	422.9	406.4	390.9	376.1	363.0	349.2	334.8
142.5°	442.8	426.9	411.8	398.8	383.9	370.0	358.1	346.5	333.8	320.4	307.5
145°	392.2	379.8	368.7	357.1	346.4	337.0	326.9	315.0	302.7	291.1	279.4
147.5°	344.4	335.2	328.1	321.1	313.2	303.4	292.7	281.9	271.6	260.9	251.1
150°	303.9	299.4	294.7	287.4	279.5	270.2	260.6	249.6	239.5	230.5	221.3
152.5°	270.4	266.5	261.5	255.7	249.3	241.7	234.2	223.9	213.6	202.7	192.6
155°	241.0	237.9	233.8	228.8	223.3	217.1	209.9	201.8	193.5	184.8	176.7
157.5°	216.9	214.4	211.1	207.0	202.1	196.0	189.3	182.2	174.9	169.2	163.6
160°	198.6	195.1	190.6	185.8	180.6	175.0	169.7	164.6	159.5	154.4	149.0
162.5°	175.3	171.8	167.9	163.9	159.7	155.5	151.1	146.6	142.0	137.1	132.2
165°	150.4	147.5	144.4	141.1	137.7	134.1	130.4	126.5	122.4	118.6	114.7
167.5°	124.0	121.8	119.4	116.8	114.2	111.7	109.0	106.2	103.2	100.1	96.8
170°	98.3	97.0	95.5	93.8	92.0	90.0	87.8	85.1	82.4	79.4	76.4
172.5°	72.7	71.6	70.3	68.9	67.3	65.6	63.8	61.9	59.8	57.7	55.6
175°	45.6	45.0	44.2	43.4	42.5	41.5	40.4	39.2	38.0	36.6	35.2
177.5°	20.6	20.4	20.2	20.0	19.7	19.4	19.0	18.7	18.2	17.8	17.3
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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	16.8	16.3	15.7	15.1	14.5	13.8	13.1	12.4	11.7	11.0	10.2
5°	33.7	32.1	30.5	29.3	28.0	26.7	25.4	24.0	22.5	21.1	19.5
7.5°	53.3	51.0	48.5	46.0	43.3	40.6	37.7	35.5	33.3	31.1	28.8
10°	73.2	69.8	66.6	63.0	59.5	55.8	52.1	48.2	44.3	41.2	38.1
12.5°	92.9	88.8	84.5	80.1	75.5	70.9	66.3	61.5	56.6	51.6	47.4
15°	110.6	106.4	102.7	96.8	91.4	85.9	80.3	74.6	68.8	62.8	56.8
17.5°	127.8	122.4	117.4	112.3	106.8	100.5	94.1	87.5	80.8	73.9	67.0
20°	143.4	137.8	132.1	126.4	120.5	114.6	107.4	100.1	92.6	84.9	77.0
22.5°	158.1	152.2	146.0	139.8	133.4	126.9	120.3	112.3	104.1	95.7	86.9
25°	170.2	164.5	158.6	152.1	148.0	143.7	138.9	133.6	126.7	119.4	111.2
27.5°	185.8	182.1	179.9	177.2	173.4	169.2	164.6	159.7	153.4	145.8	137.3
30°	214.1	207.5	202.9	200.5	197.6	193.6	189.4	184.6	180.0	171.7	163.6
32.5°	241.4	233.6	227.0	222.7	220.3	217.1	213.1	208.7	204.0	197.2	188.8
35°	268.9	258.9	251.3	245.0	241.8	239.5	235.9	232.3	227.7	222.2	213.7
37.5°	295.1	284.3	274.4	267.9	262.8	260.5	258.0	254.4	250.7	246.7	238.4
40°	321.2	308.1	298.0	289.0	284.0	280.7	279.1	276.2	272.9	269.6	262.7
42.5°	346.4	332.6	319.8	310.5	304.2	300.2	299.1	297.3	294.6	292.0	286.7
45°	371.3	355.8	342.0	331.1	323.0	320.0	318.5	317.8	315.8	313.9	310.4
47.5°	394.9	378.8	363.8	350.8	342.5	341.9	345.2	346.7	344.4	340.3	334.6
50°	418.2	403.1	400.4	401.0	401.5	399.2	394.5	389.0	380.5	370.1	359.6
52.5°	465.4	462.8	463.4	466.7	469.6	461.9	449.1	434.8	419.3	401.8	385.6
55°	517.5	518.3	522.2	528.7	538.2	527.9	508.0	484.0	460.5	435.6	412.8
57.5°	564.6	569.0	577.1	587.8	601.5	596.6	570.9	536.1	504.0	471.4	441.3
60°	606.5	615.4	628.4	643.8	661.9	667.8	637.5	591.4	549.9	508.8	470.8
62.5°	645.4	658.1	676.1	696.9	719.8	741.0	705.9	650.4	597.9	547.6	501.2
65°	680.6	696.8	720.5	747.3	775.5	806.6	774.2	711.7	647.5	587.6	532.4
67.5°	711.9	732.1	762.1	795.3	829.6	866.3	843.7	775.0	698.5	628.5	564.2
70°	740.5	765.6	801.5	839.1	872.3	902.6	881.8	805.7	719.5	642.3	571.8
72.5°	764.9	784.5	816.5	853.4	883.9	904.7	888.1	814.6	727.8	649.1	575.5
75°	785.0	798.8	828.9	868.1	898.3	910.4	893.5	821.8	735.1	655.3	578.7
77.5°	806.3	814.5	841.4	883.3	915.1	918.9	898.0	827.2	741.4	661.0	581.5
80°	828.5	831.4	854.4	899.1	933.8	929.7	901.5	831.1	746.7	666.0	583.7
82.5°	851.4	849.3	868.0	915.6	953.9	942.1	904.1	833.5	751.0	670.3	587.6
85°	874.7	868.0	882.3	932.9	974.8	957.0	907.8	836.8	756.2	675.6	587.6
87.5°	898.4	887.2	897.0	950.5	996.4	969.1	906.5	834.9	757.2	677.2	587.6
90°	921.5	907.1	914.3	970.2	1017.2	981.1	905.2	833.0	758.1	678.7	587.6
92.5°	898.4	887.2	897.0	950.5	996.4	969.1	906.5	834.9	757.2	677.2	587.6
95°	874.7	868.0	882.3	932.9	974.8	957.0	907.8	836.8	756.2	675.6	587.6
97.5°	851.4	849.3	868.0	915.6	953.9	942.1	904.1	833.5	751.0	670.3	587.6
100°	828.5	831.4	854.4	899.1	933.8	929.7	901.5	831.1	746.7	666.0	583.7
102.5°	806.3	814.5	841.4	883.3	915.1	918.9	898.0	827.2	741.4	661.0	581.5
105°	785.0	798.8	828.9	868.1	898.3	910.4	893.5	821.8	735.1	655.3	578.7
107.5°	764.9	784.5	816.5	853.4	883.9	904.7	888.1	814.6	727.8	649.1	575.5
110°	740.5	765.6	801.5	839.1	872.3	902.6	881.8	805.7	719.5	642.3	571.8



TEST NUMBER: P232079

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	711.9	732.1	762.1	795.3	829.6	866.3	843.7	775.0	698.5	628.5	564.2
115°	680.6	696.8	720.5	747.3	775.5	806.6	774.2	711.7	647.5	587.6	532.4
117.5°	645.4	658.1	676.1	696.9	719.8	741.0	705.9	650.4	597.9	547.6	501.2
120°	606.5	615.4	628.4	643.8	661.9	667.8	637.5	591.4	549.9	508.8	470.8
122.5°	564.6	569.0	577.1	587.8	601.5	596.6	570.9	536.1	504.0	471.4	441.3
125°	517.5	518.3	522.2	528.7	538.2	527.9	508.0	484.0	460.5	435.6	412.8
127.5°	465.4	462.8	463.4	466.7	469.6	461.9	449.1	434.8	419.3	401.8	385.6
130°	418.2	403.1	400.4	401.0	401.5	399.2	394.5	389.0	380.5	370.1	359.6
132.5°	394.9	378.8	363.8	350.8	342.5	341.9	345.2	346.7	344.4	340.3	334.6
135°	371.3	355.8	342.0	331.1	323.0	320.0	318.5	317.8	315.8	313.9	310.4
137.5°	346.4	332.6	319.7	310.5	304.2	300.2	299.1	297.3	294.6	292.0	286.7
140°	321.2	308.1	298.0	289.0	284.0	280.7	279.1	276.2	272.9	269.6	262.7
142.5°	295.1	284.3	274.4	267.9	262.8	260.5	258.0	254.4	250.7	246.7	238.4
145°	268.9	258.9	251.3	245.0	241.8	239.5	235.9	232.3	227.7	222.2	213.7
147.5°	241.4	233.6	227.0	222.7	220.3	217.1	213.1	208.7	204.0	197.2	188.8
150°	214.1	207.5	202.9	200.5	197.6	193.6	189.4	184.6	180.0	171.7	163.6
152.5°	185.8	182.1	179.9	177.2	173.4	169.2	164.6	159.7	153.4	145.8	137.3
155°	170.2	164.5	158.6	152.1	148.0	143.7	138.9	133.6	126.7	119.4	111.2
157.5°	158.1	152.2	146.0	139.8	133.4	126.9	120.3	112.3	104.1	95.7	86.9
160°	143.4	137.8	132.1	126.4	120.5	114.6	107.4	100.1	92.6	84.9	77.0
162.5°	127.8	122.4	117.4	112.3	106.8	100.5	94.1	87.5	80.8	73.9	67.0
165°	110.6	106.4	102.7	96.8	91.4	85.9	80.3	74.6	68.8	62.8	56.8
167.5°	92.9	88.8	84.5	80.1	75.5	70.9	66.3	61.5	56.6	51.6	47.4
170°	73.2	69.8	66.6	63.0	59.5	55.8	52.1	48.2	44.3	41.2	38.1
172.5°	53.3	51.0	48.5	46.0	43.3	40.6	37.7	35.5	33.3	31.1	28.8
175°	33.7	32.1	30.5	29.3	28.0	26.7	25.4	24.0	22.5	21.1	19.5
177.5°	16.8	16.3	15.7	15.1	14.5	13.8	13.1	12.4	11.7	11.0	10.2
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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	9.4	8.7	7.8	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.4
5°	18.0	16.4	14.8	13.1	13.0	12.9	12.8	12.6	12.4	12.2	11.9
7.5°	26.5	24.1	21.7	19.3	19.1	18.9	18.6	18.4	18.1	17.7	17.4
10°	35.0	31.9	28.7	25.4	25.1	24.8	24.5	24.1	23.7	23.3	22.9
12.5°	43.5	39.6	35.6	31.5	31.2	30.8	30.4	29.9	29.4	29.0	28.5
15°	52.0	47.3	42.5	37.6	37.2	36.7	36.2	35.6	35.1	34.6	34.0
17.5°	60.4	55.0	49.4	43.8	43.2	42.6	42.0	41.4	40.8	40.2	39.6
20°	69.0	62.6	56.3	49.9	49.3	48.5	47.8	47.2	46.5	45.8	45.3
22.5°	78.0	70.3	63.2	56.0	55.3	54.4	53.6	52.9	52.2	51.6	51.0
25°	102.3	93.8	86.2	78.3	76.7	74.8	72.7	70.4	68.0	65.8	63.4
27.5°	127.7	117.9	109.4	100.5	98.1	95.3	92.3	89.1	85.9	82.6	79.2
30°	152.9	142.0	132.6	122.8	119.4	115.7	111.6	107.2	103.0	98.7	94.2
32.5°	178.2	166.4	155.8	145.0	140.6	135.8	130.5	125.0	119.5	114.0	108.4
35°	203.3	190.8	179.1	167.3	161.7	155.7	149.0	142.2	135.4	128.7	121.9
37.5°	228.3	215.1	202.3	189.5	182.7	175.3	167.2	159.0	151.0	142.8	134.6
40°	253.3	239.3	225.5	211.8	203.7	194.7	185.1	175.3	165.6	156.3	146.4
42.5°	278.0	263.5	248.8	234.0	224.5	214.0	203.0	191.2	180.1	169.8	157.7
45°	301.9	287.6	272.0	256.3	245.3	233.0	219.9	206.7	194.2	181.6	168.2
47.5°	322.0	304.6	285.7	267.7	254.5	240.3	225.8	211.9	199.5	186.9	173.7
50°	342.6	321.5	299.2	279.2	263.5	246.7	230.2	214.9	201.4	188.2	174.3
52.5°	364.1	338.9	312.9	290.6	272.4	253.0	234.5	217.8	203.1	189.7	175.6
55°	386.3	356.5	326.6	302.0	281.2	259.0	238.6	220.7	204.9	191.5	177.6
57.5°	409.3	374.5	340.4	313.5	289.9	264.9	242.6	223.5	207.1	193.5	180.2
60°	432.8	392.6	354.2	324.9	298.5	270.7	246.6	226.2	209.5	196.0	183.9
62.5°	456.9	411.0	368.1	336.3	307.1	276.4	250.5	228.9	212.0	199.0	187.4
65°	481.4	429.5	381.9	347.8	315.6	281.9	254.4	231.6	214.8	202.5	191.8
67.5°	506.2	448.1	395.8	359.2	324.1	287.4	258.3	234.4	217.7	206.3	196.6
70°	511.1	451.7	398.5	358.5	321.5	284.2	255.3	232.0	216.5	206.0	197.5
72.5°	514.2	454.5	401.2	357.8	318.8	280.7	252.0	229.2	214.3	204.1	196.0
75°	516.8	457.1	405.5	357.1	316.1	277.4	248.9	226.7	212.2	202.3	194.7
77.5°	519.0	459.4	407.7	356.4	313.5	274.3	245.9	224.4	210.4	200.6	193.7
80°	520.8	463.1	409.9	355.7	310.9	271.3	243.2	222.3	208.6	199.1	192.8
82.5°	523.8	464.2	412.2	355.0	308.4	268.5	240.6	220.4	207.1	197.6	192.0
85°	524.0	465.3	414.4	354.3	306.0	265.7	238.2	218.6	205.6	196.3	191.4
87.5°	524.2	466.4	416.6	353.6	303.7	263.2	235.9	217.1	204.3	195.1	190.8
90°	524.4	467.5	418.8	352.9	301.4	260.8	233.8	215.7	203.1	194.0	190.4
92.5°	524.2	466.4	416.6	353.6	303.7	263.2	235.9	217.1	204.3	195.1	190.8
95°	524.0	465.3	414.4	354.3	306.0	265.7	238.2	218.6	205.6	196.3	191.4
97.5°	523.8	464.2	412.2	355.0	308.4	268.5	240.6	220.4	207.1	197.6	192.0
100°	520.8	463.1	409.9	355.7	310.9	271.3	243.2	222.3	208.6	199.1	192.8
102.5°	519.0	459.4	407.7	356.4	313.5	274.3	245.9	224.4	210.4	200.6	193.7
105°	516.8	457.1	405.5	357.1	316.1	277.4	248.9	226.7	212.2	202.3	194.7
107.5°	514.2	454.5	401.2	357.8	318.8	280.7	252.0	229.2	214.3	204.1	196.0
110°	511.1	451.7	398.5	358.5	321.5	284.2	255.3	232.0	216.5	206.0	197.5



TEST NUMBER: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	506.2	448.1	395.8	359.2	324.1	287.4	258.3	234.4	217.7	206.3	196.6
115°	481.4	429.5	381.9	347.8	315.6	281.9	254.4	231.6	214.8	202.5	191.8
117.5°	456.9	411.0	368.1	336.3	307.1	276.4	250.5	228.9	212.0	199.0	187.4
120°	432.8	392.6	354.2	324.9	298.5	270.7	246.6	226.2	209.5	196.0	183.9
122.5°	409.3	374.5	340.4	313.5	289.9	264.9	242.6	223.5	207.1	193.5	180.2
125°	386.3	356.5	326.6	302.0	281.2	259.0	238.6	220.7	204.9	191.5	177.6
127.5°	364.1	338.9	312.9	290.6	272.4	253.0	234.5	217.8	203.1	189.7	175.6
130°	342.6	321.5	299.2	279.2	263.5	246.7	230.2	214.9	201.4	188.2	174.3
132.5°	322.0	304.6	285.7	267.7	254.5	240.3	225.8	211.9	199.5	186.9	173.7
135°	301.9	287.6	272.0	256.3	245.3	233.0	219.9	206.7	194.2	181.6	168.2
137.5°	278.0	263.5	248.8	234.0	224.5	214.0	203.0	191.2	180.1	169.8	157.7
140°	253.3	239.3	225.5	211.8	203.7	194.7	185.1	175.3	165.6	156.3	146.4
142.5°	228.3	215.1	202.3	189.5	182.7	175.3	167.2	159.0	151.0	142.8	134.6
145°	203.3	190.8	179.1	167.3	161.7	155.7	149.0	142.2	135.4	128.7	121.9
147.5°	178.2	166.4	155.8	145.0	140.6	135.8	130.5	125.0	119.5	114.0	108.4
150°	152.9	142.0	132.6	122.8	119.4	115.7	111.6	107.2	103.0	98.7	94.2
152.5°	127.7	117.9	109.4	100.5	98.1	95.3	92.3	89.1	85.9	82.6	79.2
155°	102.3	93.8	86.2	78.3	76.7	74.8	72.7	70.4	68.0	65.8	63.4
157.5°	78.0	70.3	63.2	56.0	55.3	54.4	53.6	52.9	52.2	51.6	51.0
160°	69.0	62.6	56.3	49.9	49.3	48.5	47.8	47.2	46.5	45.8	45.3
162.5°	60.4	55.0	49.4	43.8	43.2	42.6	42.0	41.4	40.8	40.2	39.6
165°	52.0	47.3	42.5	37.6	37.2	36.7	36.2	35.6	35.1	34.6	34.0
167.5°	43.5	39.6	35.6	31.5	31.2	30.8	30.4	29.9	29.4	29.0	28.5
170°	35.0	31.9	28.7	25.4	25.1	24.8	24.5	24.1	23.7	23.3	22.9
172.5°	26.5	24.1	21.7	19.3	19.1	18.9	18.6	18.4	18.1	17.7	17.4
175°	18.0	16.4	14.8	13.1	13.0	12.9	12.8	12.6	12.4	12.2	11.9
177.5°	9.4	8.7	7.8	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.4
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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	6.3	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.5
5°	11.7	11.4	11.1	10.8	10.4	10.2	9.8	9.5	9.2	8.8	8.5
7.5°	17.0	16.7	16.3	15.9	15.5	15.1	14.6	14.1	13.6	13.1	12.6
10°	22.5	22.1	21.6	21.1	20.5	20.0	19.4	18.8	18.2	17.5	16.8
12.5°	28.0	27.4	26.9	26.3	25.7	25.0	24.3	23.6	22.7	21.8	20.9
15°	33.4	32.9	32.3	31.6	30.9	30.0	29.1	28.1	27.0	26.0	24.8
17.5°	39.0	38.4	37.7	36.8	35.8	34.8	33.7	32.5	31.3	30.1	28.8
20°	44.6	43.9	42.9	41.9	40.7	39.5	38.2	36.9	35.6	34.3	33.0
22.5°	50.3	49.2	48.1	46.8	45.5	44.2	42.8	41.6	40.2	38.8	37.1
25°	60.6	57.7	54.7	51.8	50.3	49.0	47.8	46.4	44.7	42.9	41.0
27.5°	75.5	71.7	67.9	64.1	60.5	57.1	53.9	50.8	48.9	47.1	45.4
30°	89.5	84.7	79.9	75.2	70.6	66.2	62.0	58.2	55.1	52.2	49.3
32.5°	102.6	96.6	90.6	84.6	78.9	73.5	68.7	64.6	60.8	56.9	53.2
35°	114.7	107.5	99.8	92.6	85.7	79.6	74.3	69.3	64.6	60.4	57.0
37.5°	126.0	116.8	107.7	99.2	91.2	84.6	78.4	72.6	67.7	63.9	60.2
40°	136.2	125.0	114.4	104.5	96.0	88.3	81.4	75.5	71.0	66.8	62.8
42.5°	145.1	132.0	120.1	109.2	99.6	91.2	83.9	78.6	73.8	69.3	65.1
45°	153.0	138.3	124.7	113.1	102.6	93.4	87.0	81.4	76.3	71.7	67.2
47.5°	158.2	143.5	129.1	116.0	105.1	96.3	89.6	84.0	78.8	73.9	69.8
50°	159.2	145.0	131.7	119.2	107.7	99.4	92.5	86.5	81.1	76.6	72.4
52.5°	161.3	147.5	134.7	123.3	113.8	106.0	98.8	91.2	83.8	79.4	74.9
55°	164.0	151.0	138.8	128.3	120.7	114.0	107.3	100.1	92.7	85.1	77.9
57.5°	167.4	155.2	144.1	134.8	128.3	122.9	116.7	109.5	101.4	92.3	84.2
60°	171.4	159.9	150.0	142.6	137.3	132.6	126.8	118.7	108.6	98.5	89.3
62.5°	176.1	165.2	156.6	151.0	147.0	142.8	136.7	127.5	115.0	103.7	93.5
65°	181.4	171.5	163.9	159.9	157.3	153.7	146.2	134.5	120.7	108.1	97.0
67.5°	187.1	178.4	172.4	169.6	168.2	165.0	155.7	140.9	125.8	112.1	99.8
70°	189.5	182.8	179.4	179.2	179.3	175.8	164.9	146.9	130.3	115.6	102.2
72.5°	188.5	182.6	179.5	179.3	180.2	177.7	167.7	151.1	134.6	118.8	104.3
75°	187.8	182.6	179.6	179.2	179.9	176.9	166.9	151.8	136.1	120.6	106.0
77.5°	187.4	182.7	179.5	179.0	179.6	176.8	167.3	153.6	138.0	122.5	107.9
80°	187.1	183.0	179.3	178.7	179.4	177.3	168.8	156.2	140.5	125.0	110.4
82.5°	187.1	183.4	179.1	178.3	179.3	178.2	171.1	159.6	143.5	128.0	113.5
85°	187.2	183.8	178.9	177.8	179.1	179.4	174.2	163.7	147.1	131.7	117.2
87.5°	187.4	184.4	178.8	177.4	178.9	180.9	177.7	168.3	151.3	135.9	121.5
90°	187.7	185.0	178.7	176.9	178.7	182.3	181.4	173.3	156.1	140.8	126.4
92.5°	187.4	184.4	178.8	177.4	178.9	180.9	177.7	168.3	151.3	135.9	121.5
95°	187.2	183.8	178.9	177.8	179.1	179.4	174.2	163.7	147.1	131.7	117.2
97.5°	187.1	183.4	179.1	178.3	179.3	178.2	171.1	159.6	143.5	128.0	113.5
100°	187.1	183.0	179.3	178.7	179.4	177.3	168.8	156.2	140.5	125.0	110.4
102.5°	187.4	182.7	179.5	179.0	179.6	176.8	167.3	153.6	138.0	122.5	107.9
105°	187.8	182.6	179.6	179.2	179.9	176.9	166.9	151.8	136.1	120.6	106.0
107.5°	188.5	182.6	179.5	179.3	180.2	177.7	167.7	151.1	134.6	118.8	104.3
110°	189.5	182.8	179.4	179.2	179.3	175.8	164.9	146.9	130.3	115.6	102.2



TEST NUMBER: P232079

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	187.1	178.4	172.4	169.6	168.2	165.0	155.7	140.9	125.8	112.1	99.8
115°	181.4	171.5	163.9	159.9	157.3	153.7	146.2	134.5	120.7	108.1	97.0
117.5°	176.1	165.2	156.6	151.0	147.0	142.8	136.7	127.5	115.0	103.7	93.5
120°	171.4	159.9	150.0	142.6	137.3	132.6	126.8	118.7	108.6	98.5	89.3
122.5°	167.4	155.2	144.1	134.8	128.3	122.9	116.7	109.5	101.4	92.3	84.2
125°	164.0	151.0	138.8	128.3	120.7	114.0	107.3	100.1	92.7	85.1	77.9
127.5°	161.3	147.5	134.7	123.3	113.8	106.0	98.8	91.2	83.8	79.4	74.9
130°	159.2	145.0	131.7	119.2	107.7	99.4	92.5	86.5	81.1	76.6	72.4
132.5°	158.2	143.5	129.1	116.0	105.1	96.3	89.6	84.0	78.8	73.9	69.8
135°	153.0	138.3	124.7	113.1	102.6	93.4	87.0	81.4	76.3	71.7	67.2
137.5°	145.1	132.0	120.1	109.2	99.6	91.2	83.9	78.6	73.8	69.3	65.1
140°	136.2	125.0	114.4	104.5	96.0	88.3	81.4	75.5	71.0	66.8	62.8
142.5°	126.0	116.8	107.7	99.2	91.2	84.6	78.4	72.6	67.7	63.9	60.2
145°	114.7	107.5	99.8	92.6	85.7	79.6	74.3	69.3	64.6	60.4	57.0
147.5°	102.6	96.6	90.6	84.6	78.9	73.5	68.7	64.6	60.8	56.9	53.2
150°	89.5	84.7	79.9	75.2	70.6	66.2	62.0	58.2	55.1	52.2	49.3
152.5°	75.5	71.7	67.9	64.1	60.5	57.1	53.9	50.8	48.9	47.1	45.4
155°	60.6	57.7	54.7	51.8	50.3	49.0	47.8	46.4	44.7	42.9	41.0
157.5°	50.3	49.2	48.1	46.8	45.5	44.2	42.8	41.6	40.2	38.8	37.1
160°	44.6	43.9	42.9	41.9	40.7	39.5	38.2	36.9	35.6	34.3	33.0
162.5°	39.0	38.4	37.7	36.8	35.8	34.8	33.7	32.5	31.3	30.1	28.8
165°	33.4	32.9	32.3	31.6	30.9	30.0	29.1	28.1	27.0	26.0	24.8
167.5°	28.0	27.4	26.9	26.3	25.7	25.0	24.3	23.6	22.7	21.8	20.9
170°	22.5	22.1	21.6	21.1	20.5	20.0	19.4	18.8	18.2	17.5	16.8
172.5°	17.0	16.7	16.3	15.9	15.5	15.1	14.6	14.1	13.6	13.1	12.6
175°	11.7	11.4	11.1	10.8	10.4	10.2	9.8	9.5	9.2	8.8	8.5
177.5°	6.3	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.5
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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	4.3	4.1	3.9	3.6	3.4	3.1	2.9	2.6	2.4	2.1	1.9
5°	8.1	7.7	7.3	6.8	6.4	6.0	5.5	5.0	4.5	4.1	3.6
7.5°	12.0	11.4	10.8	10.2	9.6	8.9	8.2	7.5	6.8	6.1	5.4
10°	16.1	15.3	14.4	13.6	12.7	11.8	10.9	10.0	9.0	8.1	7.1
12.5°	19.9	18.9	17.9	16.8	15.7	14.6	13.5	12.3	11.2	10.0	8.7
15°	23.7	22.5	21.3	20.0	18.7	17.4	16.1	14.8	13.4	12.0	10.5
17.5°	27.5	26.2	24.8	23.4	22.0	20.5	18.9	17.2	15.6	13.9	12.2
20°	31.6	30.0	28.4	26.7	25.0	23.2	21.4	19.6	17.8	15.9	14.0
22.5°	35.4	33.6	31.8	30.0	28.2	26.3	24.3	22.2	20.0	17.8	15.6
25°	39.2	37.4	35.6	33.5	31.2	28.8	26.5	24.1	21.8	19.5	17.1
27.5°	43.5	41.1	38.6	36.1	33.7	31.3	28.9	26.4	23.8	21.2	18.6
30°	46.7	44.1	41.6	39.2	36.6	33.9	31.1	28.3	25.5	22.6	19.8
32.5°	50.3	47.6	44.9	41.9	39.0	36.0	33.0	30.0	27.0	24.0	21.0
35°	53.9	50.6	47.5	44.4	41.2	38.0	34.9	31.7	28.5	25.3	22.0
37.5°	56.6	53.1	49.8	46.5	43.4	40.0	36.6	33.0	29.5	26.0	22.7
40°	58.9	55.3	51.9	48.5	45.1	41.4	37.6	34.1	30.6	27.1	23.6
42.5°	61.1	57.5	54.0	50.1	46.3	42.6	39.1	35.4	31.5	27.7	24.1
45°	63.5	59.7	55.6	51.7	47.9	44.1	40.1	36.0	32.3	28.6	25.1
47.5°	65.8	61.6	57.5	53.6	49.4	45.2	41.1	37.1	33.3	29.6	25.9
50°	68.0	63.8	59.6	55.2	50.8	46.4	42.3	38.3	34.4	30.4	26.6
52.5°	70.4	66.0	61.4	56.8	52.1	47.7	43.5	39.4	35.3	31.5	27.8
55°	72.8	68.2	63.3	58.2	53.6	49.2	44.8	40.6	36.8	32.9	28.8
57.5°	77.0	70.5	64.9	60.0	55.2	50.6	46.3	42.3	37.9	33.6	28.9
60°	81.2	73.6	67.1	61.8	56.9	52.4	48.1	43.4	38.4	33.3	28.8
62.5°	84.4	76.0	69.0	63.3	58.6	54.3	49.3	43.8	38.2	33.4	28.8
65°	86.7	77.8	70.4	64.3	59.5	54.7	49.8	43.7	38.4	33.2	28.0
67.5°	88.6	78.9	71.3	65.1	59.3	53.7	48.2	43.7	38.1	32.4	27.0
70°	90.1	80.1	72.1	65.2	58.6	52.0	46.5	41.6	36.8	31.5	25.9
72.5°	91.1	81.1	72.6	64.8	57.3	50.4	44.7	39.4	34.3	29.5	24.7
75°	92.6	82.0	73.0	64.2	55.9	49.0	43.1	37.4	32.0	26.9	22.7
77.5°	94.8	83.6	73.3	63.6	54.8	47.7	41.7	35.7	30.0	24.7	20.5
80°	97.1	85.1	73.9	63.4	54.2	46.6	40.2	34.3	28.3	22.7	18.2
82.5°	99.6	86.9	74.6	63.5	53.7	45.4	38.2	32.0	26.2	20.9	15.9
85°	102.6	89.0	75.6	64.0	53.4	44.2	36.4	30.1	24.3	19.5	14.9
87.5°	106.0	91.6	77.2	65.1	53.5	43.5	35.1	28.8	23.2	19.0	15.1
90°	110.1	94.8	79.4	66.8	54.2	43.3	34.3	28.0	22.6	19.0	16.2
92.5°	106.0	91.6	77.2	65.1	53.5	43.5	35.1	28.8	23.2	19.0	15.1
95°	102.6	89.0	75.6	64.0	53.4	44.2	36.4	30.1	24.3	19.5	14.9
97.5°	99.6	86.9	74.6	63.5	53.7	45.4	38.2	32.0	26.2	20.9	15.9
100°	97.1	85.1	73.9	63.4	54.2	46.6	40.2	34.3	28.3	22.7	18.2
102.5°	94.8	83.6	73.3	63.6	54.8	47.7	41.7	35.7	30.0	24.7	20.5
105°	92.6	82.0	73.0	64.2	55.9	49.0	43.1	37.4	32.0	26.9	22.7
107.5°	91.1	81.1	72.6	64.8	57.3	50.4	44.7	39.4	34.3	29.5	24.7
110°	90.1	80.1	72.1	65.2	58.6	52.0	46.5	41.6	36.8	31.5	25.9



TEST NUMBER: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	88.6	78.9	71.3	65.1	59.3	53.7	48.2	43.7	38.1	32.4	27.0
115°	86.7	77.8	70.4	64.3	59.5	54.7	49.8	43.7	38.4	33.2	28.0
117.5°	84.4	76.0	69.0	63.3	58.6	54.3	49.3	43.8	38.2	33.4	28.8
120°	81.2	73.6	67.1	61.8	56.9	52.4	48.1	43.4	38.4	33.3	28.8
122.5°	77.0	70.5	64.9	60.0	55.2	50.6	46.3	42.3	37.9	33.6	28.9
125°	72.8	68.2	63.3	58.2	53.6	49.2	44.8	40.6	36.8	32.9	28.8
127.5°	70.4	66.0	61.4	56.8	52.1	47.7	43.5	39.4	35.3	31.5	27.8
130°	68.0	63.8	59.6	55.2	50.8	46.4	42.3	38.3	34.4	30.4	26.6
132.5°	65.8	61.6	57.5	53.6	49.4	45.2	41.1	37.1	33.3	29.6	25.9
135°	63.5	59.7	55.6	51.7	47.9	44.1	40.1	36.0	32.3	28.6	25.1
137.5°	61.1	57.5	54.0	50.1	46.3	42.6	39.1	35.4	31.5	27.7	24.1
140°	58.9	55.3	51.9	48.5	45.1	41.4	37.6	34.1	30.6	27.1	23.6
142.5°	56.6	53.1	49.8	46.5	43.4	40.0	36.6	33.0	29.5	26.0	22.7
145°	53.9	50.6	47.5	44.4	41.2	38.0	34.9	31.7	28.5	25.3	22.0
147.5°	50.3	47.6	44.9	41.9	39.0	36.0	33.0	30.0	27.0	24.0	21.0
150°	46.7	44.1	41.6	39.2	36.6	33.9	31.1	28.3	25.5	22.6	19.8
152.5°	43.5	41.1	38.6	36.1	33.7	31.3	28.9	26.4	23.8	21.2	18.6
155°	39.2	37.4	35.6	33.5	31.2	28.8	26.5	24.1	21.8	19.5	17.1
157.5°	35.4	33.6	31.8	30.0	28.2	26.3	24.3	22.2	20.0	17.8	15.6
160°	31.6	30.0	28.4	26.7	25.0	23.2	21.4	19.6	17.8	15.9	14.0
162.5°	27.5	26.2	24.8	23.4	22.0	20.5	18.9	17.2	15.6	13.9	12.2
165°	23.7	22.5	21.3	20.0	18.7	17.4	16.1	14.8	13.4	12.0	10.5
167.5°	19.9	18.9	17.9	16.8	15.7	14.6	13.5	12.3	11.2	10.0	8.7
170°	16.1	15.3	14.4	13.6	12.7	11.8	10.9	10.0	9.0	8.1	7.1
172.5°	12.0	11.4	10.8	10.2	9.6	8.9	8.2	7.5	6.8	6.1	5.4
175°	8.1	7.7	7.3	6.8	6.4	6.0	5.5	5.0	4.5	4.1	3.6
177.5°	4.3	4.1	3.9	3.6	3.4	3.1	2.9	2.6	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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
7.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0	0.8	1.6	2.3	3.1
10°	6.1	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
12.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
15°	9.1	7.6	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
17.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
20°	12.1	10.1	8.1	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
22.5°	13.4	11.2	9.0	6.7	4.5	2.2	0.0	2.2	4.5	6.7	9.0
25°	14.7	12.3	9.9	7.4	4.9	2.5	0.0	2.5	4.9	7.4	9.9
27.5°	15.9	13.3	10.6	8.0	5.3	2.7	0.0	2.7	5.3	8.0	10.6
30°	17.0	14.2	11.3	8.5	5.7	2.8	0.0	2.8	5.7	8.5	11.3
32.5°	18.0	15.0	12.0	9.0	6.0	3.0	0.0	3.0	6.0	9.0	12.0
35°	18.8	15.6	12.4	9.3	6.2	3.1	0.0	3.1	6.2	9.3	12.4
37.5°	19.5	16.2	12.9	9.7	6.5	3.2	0.0	3.2	6.5	9.7	12.9
40°	20.1	16.7	13.3	9.9	6.6	3.3	0.0	3.3	6.6	9.9	13.3
42.5°	20.7	17.3	14.0	10.7	7.5	4.2	0.9	4.2	7.5	10.7	14.0
45°	21.6	18.1	14.6	11.2	7.7	4.3	0.9	4.3	7.7	11.2	14.6
47.5°	22.2	18.6	15.0	11.5	7.9	4.4	0.9	4.4	7.9	11.5	15.0
50°	22.9	19.3	15.6	12.0	8.3	4.6	0.9	4.6	8.3	12.0	15.6
52.5°	24.1	20.1	16.2	12.3	8.5	4.7	0.9	4.7	8.5	12.3	16.2
55°	24.7	20.4	16.3	12.3	8.4	4.6	0.9	4.6	8.4	12.3	16.3
57.5°	24.5	20.2	16.3	12.3	8.5	4.7	0.9	4.7	8.5	12.3	16.3
60°	24.6	20.5	16.2	12.2	8.3	4.6	0.9	4.6	8.3	12.2	16.2
62.5°	24.2	19.9	15.7	11.7	7.9	4.4	0.9	4.4	7.9	11.7	15.7
65°	23.3	19.0	14.9	11.1	7.5	4.1	0.9	4.1	7.5	11.1	14.9
67.5°	22.2	17.8	14.2	10.7	7.6	4.7	1.8	4.7	7.6	10.7	14.2
70°	20.9	17.0	13.6	10.5	7.4	4.6	1.8	4.6	7.4	10.5	13.6
72.5°	20.0	16.2	12.9	10.1	7.1	4.4	1.8	4.4	7.1	10.1	12.9
75°	19.3	15.4	12.0	9.0	6.1	3.7	1.8	3.7	6.1	9.0	12.0
77.5°	17.2	14.4	11.1	6.7	2.3	0.4	0.0	0.4	2.3	6.7	11.1
80°	14.4	12.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
82.5°	11.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	10.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	10.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	11.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	14.4	12.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
102.5°	17.2	14.4	11.1	6.7	2.3	0.4	0.0	0.4	2.3	6.7	11.1
105°	19.3	15.4	12.0	9.0	6.1	3.7	1.8	3.7	6.1	9.0	12.0
107.5°	20.0	16.2	12.9	10.1	7.1	4.4	1.8	4.4	7.1	10.1	12.9
110°	20.9	17.0	13.6	10.5	7.4	4.6	1.8	4.6	7.4	10.5	13.6



TEST NUMBER: P232079

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	22.2	17.8	14.2	10.7	7.6	4.7	1.8	4.7	7.6	10.7	14.2
115°	23.3	19.0	14.9	11.1	7.5	4.1	0.9	4.1	7.5	11.1	14.9
117.5°	24.2	19.9	15.7	11.7	7.9	4.4	0.9	4.4	7.9	11.7	15.7
120°	24.6	20.5	16.2	12.2	8.3	4.6	0.9	4.6	8.3	12.2	16.2
122.5°	24.5	20.2	16.3	12.3	8.5	4.7	0.9	4.7	8.5	12.3	16.3
125°	24.7	20.4	16.3	12.3	8.4	4.6	0.9	4.6	8.4	12.3	16.3
127.5°	24.1	20.1	16.2	12.3	8.5	4.7	0.9	4.7	8.5	12.3	16.2
130°	22.9	19.3	15.6	12.0	8.3	4.6	0.9	4.6	8.3	12.0	15.6
132.5°	22.2	18.6	15.0	11.5	7.9	4.4	0.9	4.4	7.9	11.5	15.0
135°	21.6	18.1	14.6	11.2	7.7	4.3	0.9	4.3	7.7	11.2	14.6
137.5°	20.7	17.3	14.0	10.7	7.5	4.2	0.9	4.2	7.5	10.7	14.0
140°	20.1	16.7	13.3	9.9	6.6	3.3	0.0	3.3	6.6	9.9	13.3
142.5°	19.5	16.2	12.9	9.7	6.5	3.2	0.0	3.2	6.5	9.7	12.9
145°	18.8	15.6	12.4	9.3	6.2	3.1	0.0	3.1	6.2	9.3	12.4
147.5°	18.0	15.0	12.0	9.0	6.0	3.0	0.0	3.0	6.0	9.0	12.0
150°	17.0	14.2	11.3	8.5	5.7	2.8	0.0	2.8	5.7	8.5	11.3
152.5°	15.9	13.3	10.6	8.0	5.3	2.7	0.0	2.7	5.3	8.0	10.6
155°	14.7	12.3	9.9	7.4	4.9	2.5	0.0	2.5	4.9	7.4	9.9
157.5°	13.4	11.2	9.0	6.7	4.5	2.2	0.0	2.2	4.5	6.7	9.0
160°	12.1	10.1	8.1	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
162.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
165°	9.1	7.6	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
167.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
170°	6.1	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
172.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0	0.8	1.6	2.3	3.1
175°	3.1	2.6	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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	2.6	2.9	3.1	3.4	3.6	3.9
5°	2.6	3.1	3.6	4.1	4.5	5.0	5.5	6.0	6.4	6.8	7.3
7.5°	3.9	4.6	5.4	6.1	6.8	7.5	8.2	8.9	9.6	10.2	10.8
10°	5.1	6.1	7.1	8.1	9.0	10.0	10.9	11.8	12.7	13.6	14.4
12.5°	6.3	7.5	8.7	10.0	11.2	12.3	13.5	14.6	15.7	16.8	17.9
15°	7.6	9.1	10.5	12.0	13.4	14.8	16.1	17.4	18.7	20.0	21.3
17.5°	8.8	10.5	12.2	13.9	15.6	17.2	18.9	20.5	22.0	23.4	24.8
20°	10.1	12.1	14.0	15.9	17.8	19.6	21.4	23.2	25.0	26.7	28.4
22.5°	11.2	13.4	15.6	17.8	20.0	22.2	24.3	26.3	28.2	30.0	31.8
25°	12.3	14.7	17.1	19.5	21.8	24.1	26.5	28.8	31.2	33.5	35.6
27.5°	13.3	15.9	18.6	21.2	23.8	26.4	28.9	31.3	33.7	36.1	38.6
30°	14.2	17.0	19.8	22.6	25.5	28.3	31.1	33.9	36.6	39.2	41.6
32.5°	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	41.9	44.9
35°	15.6	18.8	22.0	25.3	28.5	31.7	34.9	38.0	41.2	44.4	47.5
37.5°	16.2	19.5	22.7	26.0	29.5	33.0	36.6	40.0	43.4	46.5	49.8
40°	16.7	20.1	23.6	27.1	30.6	34.1	37.6	41.4	45.1	48.5	51.9
42.5°	17.3	20.7	24.1	27.7	31.5	35.4	39.1	42.6	46.3	50.1	54.0
45°	18.1	21.6	25.1	28.6	32.3	36.0	40.1	44.1	47.9	51.7	55.6
47.5°	18.6	22.2	25.9	29.6	33.3	37.1	41.1	45.2	49.4	53.6	57.5
50°	19.3	22.9	26.6	30.4	34.4	38.3	42.3	46.4	50.8	55.2	59.6
52.5°	20.1	24.1	27.8	31.5	35.3	39.4	43.5	47.7	52.1	56.8	61.4
55°	20.4	24.7	28.8	32.9	36.8	40.6	44.8	49.2	53.6	58.2	63.3
57.5°	20.2	24.5	28.9	33.6	37.9	42.3	46.3	50.6	55.2	60.0	64.9
60°	20.5	24.6	28.8	33.3	38.4	43.4	48.1	52.4	56.9	61.8	67.1
62.5°	19.9	24.2	28.8	33.4	38.2	43.8	49.3	54.3	58.6	63.3	69.0
65°	19.0	23.3	28.0	33.2	38.4	43.7	49.8	54.7	59.5	64.3	70.4
67.5°	17.8	22.2	27.0	32.4	38.1	43.7	48.2	53.7	59.3	65.1	71.3
70°	17.0	20.9	25.9	31.5	36.8	41.6	46.5	52.0	58.6	65.2	72.1
72.5°	16.2	20.0	24.7	29.5	34.3	39.4	44.7	50.4	57.3	64.8	72.6
75°	15.4	19.3	22.7	26.9	32.0	37.4	43.1	49.0	55.9	64.2	73.0
77.5°	14.4	17.2	20.5	24.7	30.0	35.7	41.7	47.7	54.8	63.6	73.3
80°	12.0	14.4	18.2	22.7	28.3	34.3	40.2	46.6	54.2	63.4	73.9
82.5°	7.8	11.7	15.9	20.9	26.2	32.0	38.2	45.4	53.7	63.5	74.6
85°	3.1	10.1	14.9	19.5	24.3	30.1	36.4	44.2	53.4	64.0	75.6
87.5°	1.0	10.5	15.1	19.0	23.2	28.8	35.1	43.5	53.5	65.1	77.2
90°	0.0	11.7	16.2	19.0	22.6	28.0	34.3	43.3	54.2	66.8	79.4
92.5°	1.0	10.5	15.1	19.0	23.2	28.8	35.1	43.5	53.5	65.1	77.2
95°	3.1	10.1	14.9	19.5	24.3	30.1	36.4	44.2	53.4	64.0	75.6
97.5°	7.8	11.7	15.9	20.9	26.2	32.0	38.2	45.4	53.7	63.5	74.6
100°	12.0	14.4	18.2	22.7	28.3	34.3	40.2	46.6	54.2	63.4	73.9
102.5°	14.4	17.2	20.5	24.7	30.0	35.7	41.7	47.7	54.8	63.6	73.3
105°	15.4	19.3	22.7	26.9	32.0	37.4	43.1	49.0	55.9	64.2	73.0
107.5°	16.2	20.0	24.7	29.5	34.3	39.4	44.7	50.4	57.3	64.8	72.6
110°	17.0	20.9	25.9	31.5	36.8	41.6	46.5	52.0	58.6	65.2	72.1



TEST NUMBER: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	17.8	22.2	27.0	32.4	38.1	43.7	48.2	53.7	59.3	65.1	71.3
115°	19.0	23.3	28.0	33.2	38.4	43.7	49.8	54.7	59.5	64.3	70.4
117.5°	19.9	24.2	28.8	33.4	38.2	43.8	49.3	54.3	58.6	63.3	69.0
120°	20.5	24.6	28.8	33.3	38.4	43.4	48.1	52.4	56.9	61.8	67.1
122.5°	20.2	24.5	28.9	33.6	37.9	42.3	46.3	50.6	55.2	60.0	64.9
125°	20.4	24.7	28.8	32.9	36.8	40.6	44.8	49.2	53.6	58.2	63.3
127.5°	20.1	24.1	27.8	31.5	35.3	39.4	43.5	47.7	52.1	56.8	61.4
130°	19.3	22.9	26.6	30.4	34.4	38.3	42.3	46.4	50.8	55.2	59.6
132.5°	18.6	22.2	25.9	29.6	33.3	37.1	41.1	45.2	49.4	53.6	57.5
135°	18.1	21.6	25.1	28.6	32.3	36.0	40.1	44.1	47.9	51.7	55.6
137.5°	17.3	20.7	24.1	27.7	31.5	35.4	39.1	42.6	46.3	50.1	54.0
140°	16.7	20.1	23.6	27.1	30.6	34.1	37.6	41.4	45.1	48.5	51.9
142.5°	16.2	19.5	22.7	26.0	29.5	33.0	36.6	40.0	43.4	46.5	49.8
145°	15.6	18.8	22.0	25.3	28.5	31.7	34.9	38.0	41.2	44.4	47.5
147.5°	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	41.9	44.9
150°	14.2	17.0	19.8	22.6	25.5	28.3	31.1	33.9	36.6	39.2	41.6
152.5°	13.3	15.9	18.6	21.2	23.8	26.4	28.9	31.3	33.7	36.1	38.6
155°	12.3	14.7	17.1	19.5	21.8	24.1	26.5	28.8	31.2	33.5	35.6
157.5°	11.2	13.4	15.6	17.8	20.0	22.2	24.3	26.3	28.2	30.0	31.8
160°	10.1	12.1	14.0	15.9	17.8	19.6	21.4	23.2	25.0	26.7	28.4
162.5°	8.8	10.5	12.2	13.9	15.6	17.2	18.9	20.5	22.0	23.4	24.8
165°	7.6	9.1	10.5	12.0	13.4	14.8	16.1	17.4	18.7	20.0	21.3
167.5°	6.3	7.5	8.7	10.0	11.2	12.3	13.5	14.6	15.7	16.8	17.9
170°	5.1	6.1	7.1	8.1	9.0	10.0	10.9	11.8	12.7	13.6	14.4
172.5°	3.9	4.6	5.4	6.1	6.8	7.5	8.2	8.9	9.6	10.2	10.8
175°	2.6	3.1	3.6	4.1	4.5	5.0	5.5	6.0	6.4	6.8	7.3
177.5°	1.3	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.4	3.6	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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	4.1	4.3	4.5	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.0
5°	7.7	8.1	8.5	8.8	9.2	9.5	9.8	10.2	10.4	10.8	11.1
7.5°	11.4	12.0	12.6	13.1	13.6	14.1	14.6	15.1	15.5	15.9	16.3
10°	15.3	16.1	16.8	17.5	18.2	18.8	19.4	20.0	20.5	21.1	21.6
12.5°	18.9	19.9	20.9	21.8	22.7	23.6	24.3	25.0	25.7	26.3	26.9
15°	22.5	23.7	24.8	26.0	27.0	28.1	29.1	30.0	30.9	31.6	32.3
17.5°	26.2	27.5	28.8	30.1	31.3	32.5	33.7	34.8	35.8	36.8	37.7
20°	30.0	31.6	33.0	34.3	35.6	36.9	38.2	39.5	40.7	41.9	42.9
22.5°	33.6	35.4	37.1	38.8	40.2	41.6	42.8	44.2	45.5	46.8	48.1
25°	37.4	39.2	41.0	42.9	44.7	46.4	47.8	49.0	50.3	51.8	54.7
27.5°	41.1	43.5	45.4	47.1	48.9	50.8	53.9	57.1	60.5	64.1	67.9
30°	44.1	46.7	49.3	52.2	55.1	58.2	62.0	66.2	70.6	75.2	79.9
32.5°	47.6	50.3	53.2	56.9	60.8	64.6	68.7	73.5	78.9	84.6	90.6
35°	50.6	53.9	57.0	60.4	64.6	69.3	74.3	79.6	85.7	92.6	99.8
37.5°	53.1	56.6	60.2	63.9	67.7	72.6	78.4	84.6	91.2	99.2	107.7
40°	55.3	58.9	62.8	66.8	71.0	75.5	81.4	88.3	96.0	104.5	114.4
42.5°	57.5	61.1	65.1	69.3	73.8	78.6	83.9	91.2	99.6	109.2	120.1
45°	59.7	63.5	67.2	71.7	76.3	81.4	87.0	93.4	102.6	113.1	124.7
47.5°	61.6	65.8	69.8	73.9	78.8	84.0	89.6	96.3	105.1	116.0	129.1
50°	63.8	68.0	72.4	76.6	81.1	86.5	92.5	99.4	107.7	119.2	131.7
52.5°	66.0	70.4	74.9	79.4	83.8	91.2	98.8	106.0	113.8	123.3	134.7
55°	68.2	72.8	77.9	85.1	92.7	100.1	107.3	114.0	120.7	128.3	138.8
57.5°	70.5	77.0	84.2	92.3	101.4	109.5	116.7	122.9	128.3	134.8	144.1
60°	73.6	81.2	89.3	98.5	108.6	118.7	126.8	132.6	137.3	142.6	150.0
62.5°	76.0	84.4	93.5	103.7	115.0	127.5	136.7	142.8	147.0	151.0	156.6
65°	77.8	86.7	97.0	108.1	120.7	134.5	146.2	153.7	157.3	159.9	163.9
67.5°	78.9	88.6	99.8	112.1	125.8	140.9	155.7	165.0	168.2	169.6	172.4
70°	80.1	90.1	102.2	115.6	130.3	146.9	164.9	175.8	179.3	179.2	179.4
72.5°	81.1	91.1	104.3	118.8	134.6	151.1	167.7	177.7	180.2	179.3	179.5
75°	82.0	92.6	106.0	120.6	136.1	151.8	166.9	176.9	179.9	179.2	179.6
77.5°	83.6	94.8	107.9	122.5	138.0	153.6	167.3	176.8	179.6	179.0	179.5
80°	85.1	97.1	110.4	125.0	140.5	156.2	168.8	177.3	179.4	178.7	179.3
82.5°	86.9	99.6	113.5	128.0	143.5	159.6	171.1	178.2	179.3	178.3	179.1
85°	89.0	102.6	117.2	131.7	147.1	163.7	174.2	179.4	179.1	177.8	178.9
87.5°	91.6	106.0	121.5	135.9	151.3	168.3	177.7	180.9	178.9	177.4	178.8
90°	94.8	110.1	126.4	140.8	156.1	173.3	181.4	182.3	178.7	176.9	178.7
92.5°	91.6	106.0	121.5	135.9	151.3	168.3	177.7	180.9	178.9	177.4	178.8
95°	89.0	102.6	117.2	131.7	147.1	163.7	174.2	179.4	179.1	177.8	178.9
97.5°	86.9	99.6	113.5	128.0	143.5	159.6	171.1	178.2	179.3	178.3	179.1
100°	85.1	97.1	110.4	125.0	140.5	156.2	168.8	177.3	179.4	178.7	179.3
102.5°	83.6	94.8	107.9	122.5	138.0	153.6	167.3	176.8	179.6	179.0	179.5
105°	82.0	92.6	106.0	120.6	136.1	151.8	166.9	176.9	179.9	179.2	179.6
107.5°	81.1	91.1	104.3	118.8	134.6	151.1	167.7	177.7	180.2	179.3	179.5
110°	80.1	90.1	102.2	115.6	130.3	146.9	164.9	175.8	179.3	179.2	179.4



TEST NUMBER: P232079

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	78.9	88.6	99.8	112.1	125.8	140.9	155.7	165.0	168.2	169.6	172.4
115°	77.8	86.7	97.0	108.1	120.7	134.5	146.2	153.7	157.3	159.9	163.9
117.5°	76.0	84.4	93.5	103.7	115.0	127.5	136.7	142.8	147.0	151.0	156.6
120°	73.6	81.2	89.3	98.5	108.6	118.7	126.8	132.6	137.3	142.6	150.0
122.5°	70.5	77.0	84.2	92.3	101.4	109.5	116.7	122.9	128.3	134.8	144.1
125°	68.2	72.8	77.9	85.1	92.7	100.1	107.3	114.0	120.7	128.3	138.8
127.5°	66.0	70.4	74.9	79.4	83.8	91.2	98.8	106.0	113.8	123.3	134.7
130°	63.8	68.0	72.4	76.6	81.1	86.5	92.5	99.4	107.7	119.2	131.7
132.5°	61.6	65.8	69.8	73.9	78.8	84.0	89.6	96.3	105.1	116.0	129.1
135°	59.7	63.5	67.2	71.7	76.3	81.4	87.0	93.4	102.6	113.1	124.7
137.5°	57.5	61.1	65.1	69.3	73.8	78.6	83.9	91.2	99.6	109.2	120.1
140°	55.3	58.9	62.8	66.8	71.0	75.5	81.4	88.3	96.0	104.5	114.4
142.5°	53.1	56.6	60.2	63.9	67.7	72.6	78.4	84.6	91.2	99.2	107.7
145°	50.6	53.9	57.0	60.4	64.6	69.3	74.3	79.6	85.7	92.6	99.8
147.5°	47.6	50.3	53.2	56.9	60.8	64.6	68.7	73.5	78.9	84.6	90.6
150°	44.1	46.7	49.3	52.2	55.1	58.2	62.0	66.2	70.6	75.2	79.9
152.5°	41.1	43.5	45.4	47.1	48.9	50.8	53.9	57.1	60.5	64.1	67.9
155°	37.4	39.2	41.0	42.9	44.7	46.4	47.8	49.0	50.3	51.8	54.7
157.5°	33.6	35.4	37.1	38.8	40.2	41.6	42.8	44.2	45.5	46.8	48.1
160°	30.0	31.6	33.0	34.3	35.6	36.9	38.2	39.5	40.7	41.9	42.9
162.5°	26.2	27.5	28.8	30.1	31.3	32.5	33.7	34.8	35.8	36.8	37.7
165°	22.5	23.7	24.8	26.0	27.0	28.1	29.1	30.0	30.9	31.6	32.3
167.5°	18.9	19.9	20.9	21.8	22.7	23.6	24.3	25.0	25.7	26.3	26.9
170°	15.3	16.1	16.8	17.5	18.2	18.8	19.4	20.0	20.5	21.1	21.6
172.5°	11.4	12.0	12.6	13.1	13.6	14.1	14.6	15.1	15.5	15.9	16.3
175°	7.7	8.1	8.5	8.8	9.2	9.5	9.8	10.2	10.4	10.8	11.1
177.5°	4.1	4.3	4.5	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.0
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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	6.2	6.3	6.4	6.6	6.7	6.8	6.8	6.9	7.0	7.0	7.8
5°	11.4	11.7	11.9	12.2	12.4	12.6	12.8	12.9	13.0	13.1	14.8
7.5°	16.7	17.0	17.4	17.7	18.1	18.4	18.6	18.9	19.1	19.3	21.7
10°	22.1	22.5	22.9	23.3	23.7	24.1	24.5	24.8	25.1	25.4	28.7
12.5°	27.4	28.0	28.5	29.0	29.4	29.9	30.4	30.8	31.2	31.5	35.6
15°	32.9	33.4	34.0	34.6	35.1	35.6	36.2	36.7	37.2	37.6	42.5
17.5°	38.4	39.0	39.6	40.2	40.8	41.4	42.0	42.6	43.2	43.8	49.4
20°	43.9	44.6	45.3	45.8	46.5	47.2	47.8	48.5	49.3	49.9	56.3
22.5°	49.2	50.3	51.0	51.6	52.2	52.9	53.6	54.4	55.3	56.0	63.2
25°	57.7	60.6	63.4	65.8	68.0	70.4	72.7	74.8	76.7	78.3	86.2
27.5°	71.7	75.5	79.2	82.6	85.9	89.1	92.3	95.3	98.1	100.5	109.4
30°	84.7	89.5	94.2	98.7	103.0	107.2	111.6	115.7	119.4	122.8	132.6
32.5°	96.6	102.6	108.4	114.0	119.5	125.0	130.5	135.8	140.6	145.0	155.8
35°	107.5	114.7	121.9	128.7	135.4	142.2	149.0	155.7	161.7	167.3	179.1
37.5°	116.8	126.0	134.6	142.8	151.0	159.0	167.2	175.3	182.7	189.5	202.3
40°	125.0	136.2	146.4	156.3	165.6	175.3	185.1	194.7	203.7	211.8	225.5
42.5°	132.0	145.1	157.7	169.8	180.1	191.2	203.0	214.0	224.5	234.0	248.8
45°	138.3	153.0	168.2	181.6	194.2	206.7	219.9	233.0	245.3	256.3	272.0
47.5°	143.5	158.2	173.7	186.9	199.5	211.9	225.8	240.3	254.5	267.7	285.7
50°	145.0	159.2	174.3	188.2	201.4	214.9	230.2	246.7	263.5	279.2	299.2
52.5°	147.5	161.3	175.6	189.7	203.1	217.8	234.5	253.0	272.4	290.6	312.9
55°	151.0	164.0	177.6	191.5	204.9	220.7	238.6	259.0	281.2	302.0	326.6
57.5°	155.2	167.4	180.2	193.5	207.1	223.5	242.6	264.9	289.9	313.5	340.4
60°	159.9	171.4	183.9	196.0	209.5	226.2	246.6	270.7	298.5	324.9	354.2
62.5°	165.2	176.1	187.4	199.0	212.0	228.9	250.5	276.4	307.1	336.3	368.1
65°	171.5	181.4	191.8	202.5	214.8	231.6	254.4	281.9	315.6	347.8	381.9
67.5°	178.4	187.1	196.6	206.3	217.7	234.4	258.3	287.4	324.1	359.2	395.8
70°	182.8	189.5	197.5	206.0	216.5	232.0	255.3	284.2	321.5	358.5	398.5
72.5°	182.6	188.5	196.0	204.1	214.3	229.2	252.0	280.7	318.8	357.8	401.2
75°	182.6	187.8	194.7	202.3	212.2	226.7	248.9	277.4	316.1	357.1	405.5
77.5°	182.7	187.4	193.7	200.6	210.4	224.4	245.9	274.3	313.5	356.4	407.7
80°	183.0	187.1	192.8	199.1	208.6	222.3	243.2	271.3	310.9	355.7	409.9
82.5°	183.4	187.1	192.0	197.6	207.1	220.4	240.6	268.5	308.4	355.0	412.2
85°	183.8	187.2	191.4	196.3	205.6	218.6	238.2	265.7	306.0	354.3	414.4
87.5°	184.4	187.4	190.8	195.1	204.3	217.1	235.9	263.2	303.7	353.6	416.6
90°	185.0	187.7	190.4	194.0	203.1	215.7	233.8	260.8	301.4	352.9	418.8
92.5°	184.4	187.4	190.8	195.1	204.3	217.1	235.9	263.2	303.7	353.6	416.6
95°	183.8	187.2	191.4	196.3	205.6	218.6	238.2	265.7	306.0	354.3	414.4
97.5°	183.4	187.1	192.0	197.6	207.1	220.4	240.6	268.5	308.4	355.0	412.2
100°	183.0	187.1	192.8	199.1	208.6	222.3	243.2	271.3	310.9	355.7	409.9
102.5°	182.7	187.4	193.7	200.6	210.4	224.4	245.9	274.3	313.5	356.4	407.7
105°	182.6	187.8	194.7	202.3	212.2	226.7	248.9	277.4	316.1	357.1	405.5
107.5°	182.6	188.5	196.0	204.1	214.3	229.2	252.0	280.7	318.8	357.8	401.2
110°	182.8	189.5	197.5	206.0	216.5	232.0	255.3	284.2	321.5	358.5	398.5



TEST NUMBER: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	178.4	187.1	196.6	206.3	217.7	234.4	258.3	287.4	324.1	359.2	395.8
115°	171.5	181.4	191.8	202.5	214.8	231.6	254.4	281.9	315.6	347.8	381.9
117.5°	165.2	176.1	187.4	199.0	212.0	228.9	250.5	276.4	307.1	336.3	368.1
120°	159.9	171.4	183.9	196.0	209.5	226.2	246.6	270.7	298.5	324.9	354.2
122.5°	155.2	167.4	180.2	193.5	207.1	223.5	242.6	264.9	289.9	313.5	340.4
125°	151.0	164.0	177.6	191.5	204.9	220.7	238.6	259.0	281.2	302.0	326.6
127.5°	147.5	161.3	175.6	189.7	203.1	217.8	234.5	253.0	272.4	290.6	312.9
130°	145.0	159.2	174.3	188.2	201.4	214.9	230.2	246.7	263.5	279.2	299.2
132.5°	143.5	158.2	173.7	186.9	199.5	211.9	225.8	240.3	254.5	267.7	285.7
135°	138.3	153.0	168.2	181.6	194.2	206.7	219.9	233.0	245.3	256.3	272.0
137.5°	132.0	145.1	157.7	169.8	180.1	191.2	203.0	214.0	224.5	234.0	248.8
140°	125.0	136.2	146.4	156.3	165.6	175.3	185.1	194.7	203.7	211.8	225.5
142.5°	116.8	126.0	134.6	142.8	151.0	159.0	167.2	175.3	182.7	189.5	202.3
145°	107.5	114.7	121.9	128.7	135.4	142.2	149.0	155.7	161.7	167.3	179.1
147.5°	96.6	102.6	108.4	114.0	119.5	125.0	130.5	135.8	140.6	145.0	155.8
150°	84.7	89.5	94.2	98.7	103.0	107.2	111.6	115.7	119.4	122.8	132.6
152.5°	71.7	75.5	79.2	82.6	85.9	89.1	92.3	95.3	98.1	100.5	109.4
155°	57.7	60.6	63.4	65.8	68.0	70.4	72.7	74.8	76.7	78.3	86.2
157.5°	49.2	50.3	51.0	51.6	52.2	52.9	53.6	54.4	55.3	56.0	63.2
160°	43.9	44.6	45.3	45.8	46.5	47.2	47.8	48.5	49.3	49.9	56.3
162.5°	38.4	39.0	39.6	40.2	40.8	41.4	42.0	42.6	43.2	43.8	49.4
165°	32.9	33.4	34.0	34.6	35.1	35.6	36.2	36.7	37.2	37.6	42.5
167.5°	27.4	28.0	28.5	29.0	29.4	29.9	30.4	30.8	31.2	31.5	35.6
170°	22.1	22.5	22.9	23.3	23.7	24.1	24.5	24.8	25.1	25.4	28.7
172.5°	16.7	17.0	17.4	17.7	18.1	18.4	18.6	18.9	19.1	19.3	21.7
175°	11.4	11.7	11.9	12.2	12.4	12.6	12.8	12.9	13.0	13.1	14.8
177.5°	6.2	6.3	6.4	6.6	6.7	6.8	6.8	6.9	7.0	7.0	7.8
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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	8.7	9.4	10.2	11.0	11.7	12.4	13.1	13.8	14.5	15.1	15.7
5°	16.4	18.0	19.5	21.1	22.5	24.0	25.4	26.7	28.0	29.3	30.5
7.5°	24.1	26.5	28.8	31.1	33.3	35.5	37.7	40.6	43.3	46.0	48.5
10°	31.9	35.0	38.1	41.2	44.3	48.2	52.1	55.8	59.5	63.0	66.6
12.5°	39.6	43.5	47.4	51.6	56.6	61.5	66.3	70.9	75.5	80.1	84.5
15°	47.3	52.0	56.8	62.8	68.8	74.6	80.3	85.9	91.4	96.8	102.7
17.5°	55.0	60.4	67.0	73.9	80.8	87.5	94.1	100.5	106.8	112.3	117.4
20°	62.6	69.0	77.0	84.9	92.6	100.1	107.4	114.6	120.5	126.4	132.1
22.5°	70.3	78.0	86.9	95.7	104.1	112.3	120.3	126.9	133.4	139.8	146.0
25°	93.8	102.3	111.2	119.4	126.7	133.6	138.9	143.7	148.0	152.1	158.6
27.5°	117.9	127.7	137.3	145.8	153.4	159.7	164.6	169.2	173.4	177.2	179.9
30°	142.0	152.9	163.6	171.7	180.0	184.6	189.4	193.6	197.6	200.5	202.9
32.5°	166.4	178.2	188.8	197.2	204.0	208.7	213.1	217.1	220.3	222.7	227.0
35°	190.8	203.3	213.7	222.2	227.7	232.3	235.9	239.5	241.8	245.0	251.3
37.5°	215.1	228.3	238.4	246.7	250.7	254.4	258.0	260.5	262.8	267.9	274.4
40°	239.3	253.3	262.7	269.6	272.9	276.2	279.1	280.7	284.0	289.0	298.0
42.5°	263.5	278.0	286.7	292.0	294.6	297.3	299.1	300.2	304.2	310.5	319.8
45°	287.6	301.9	310.4	313.9	315.8	317.8	318.5	320.0	323.0	331.1	342.0
47.5°	304.6	322.0	334.6	340.3	344.4	346.7	345.2	341.9	342.5	350.8	363.8
50°	321.5	342.6	359.6	370.1	380.5	389.0	394.5	399.2	401.5	401.0	400.4
52.5°	338.9	364.1	385.6	401.8	419.3	434.8	449.1	461.9	469.6	466.7	463.4
55°	356.5	386.3	412.8	435.6	460.5	484.0	508.0	527.9	538.2	528.7	522.2
57.5°	374.5	409.3	441.3	471.4	504.0	536.1	570.9	596.6	601.5	587.8	577.1
60°	392.6	432.8	470.8	508.8	549.9	591.4	637.5	667.8	661.9	643.8	628.4
62.5°	411.0	456.9	501.2	547.6	597.9	650.4	705.9	741.0	719.8	696.9	676.1
65°	429.5	481.4	532.4	587.6	647.5	711.7	774.2	806.6	775.5	747.3	720.5
67.5°	448.1	506.2	564.2	628.5	698.5	775.0	843.7	866.3	829.6	795.3	762.1
70°	451.7	511.1	571.8	642.3	719.5	805.7	881.8	902.6	872.3	839.1	801.5
72.5°	454.5	514.2	575.5	649.1	727.8	814.6	888.1	904.7	883.9	853.4	816.5
75°	457.1	516.8	578.7	655.3	735.1	821.8	893.5	910.4	898.3	868.1	828.9
77.5°	459.4	519.0	581.5	661.0	741.4	827.2	898.0	918.9	915.1	883.3	841.4
80°	463.1	520.8	583.7	666.0	746.7	831.1	901.5	929.7	933.8	899.1	854.4
82.5°	464.2	523.8	587.6	670.3	751.0	833.5	904.1	942.1	953.9	915.6	868.0
85°	465.3	524.0	587.6	675.6	756.2	836.8	907.8	957.0	974.8	932.9	882.3
87.5°	466.4	524.2	587.6	677.2	757.2	834.9	906.5	969.1	996.4	950.5	897.0
90°	467.5	524.4	587.6	678.7	758.1	833.0	905.2	981.1	1017.2	970.2	914.3
92.5°	466.4	524.2	587.6	677.2	757.2	834.9	906.5	969.1	996.4	950.5	897.0
95°	465.3	524.0	587.6	675.6	756.2	836.8	907.8	957.0	974.8	932.9	882.3
97.5°	464.2	523.8	587.6	670.3	751.0	833.5	904.1	942.1	953.9	915.6	868.0
100°	463.1	520.8	583.7	666.0	746.7	831.1	901.5	929.7	933.8	899.1	854.4
102.5°	459.4	519.0	581.5	661.0	741.4	827.2	898.0	918.9	915.1	883.3	841.4
105°	457.1	516.8	578.7	655.3	735.1	821.8	893.5	910.4	898.3	868.1	828.9
107.5°	454.5	514.2	575.5	649.1	727.8	814.6	888.1	904.7	883.9	853.4	816.5
110°	451.7	511.1	571.8	642.3	719.5	805.7	881.8	902.6	872.3	839.1	801.5



TEST NUMBER: P232079

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	448.1	506.2	564.2	628.5	698.5	775.0	843.7	866.3	829.6	795.3	762.1
115°	429.5	481.4	532.4	587.6	647.5	711.7	774.2	806.6	775.5	747.3	720.5
117.5°	411.0	456.9	501.2	547.6	597.9	650.4	705.9	741.0	719.8	696.9	676.1
120°	392.6	432.8	470.8	508.8	549.9	591.4	637.5	667.8	661.9	643.8	628.4
122.5°	374.5	409.3	441.3	471.4	504.0	536.1	570.9	596.6	601.5	587.8	577.1
125°	356.5	386.3	412.8	435.6	460.5	484.0	508.0	527.9	538.2	528.7	522.2
127.5°	338.9	364.1	385.6	401.8	419.3	434.8	449.1	461.9	469.6	466.7	463.4
130°	321.5	342.6	359.6	370.1	380.5	389.0	394.5	399.2	401.5	401.0	400.4
132.5°	304.6	322.0	334.6	340.3	344.4	346.7	345.2	341.9	342.5	350.8	363.8
135°	287.6	301.9	310.4	313.9	315.8	317.8	318.5	320.0	323.0	331.1	342.0
137.5°	263.5	278.0	286.7	292.0	294.6	297.3	299.1	300.2	304.2	310.5	319.8
140°	239.3	253.3	262.7	269.6	272.9	276.2	279.1	280.7	284.0	289.0	298.0
142.5°	215.1	228.3	238.4	246.7	250.7	254.4	258.0	260.5	262.8	267.9	274.4
145°	190.8	203.3	213.7	222.2	227.7	232.3	235.9	239.5	241.8	245.0	251.3
147.5°	166.4	178.2	188.8	197.2	204.0	208.7	213.1	217.1	220.3	222.7	227.0
150°	142.0	152.9	163.6	171.7	180.0	184.6	189.4	193.6	197.6	200.5	202.9
152.5°	117.9	127.7	137.3	145.8	153.4	159.7	164.6	169.2	173.4	177.2	179.9
155°	93.8	102.3	111.2	119.4	126.7	133.6	138.9	143.7	148.0	152.1	158.6
157.5°	70.3	78.0	86.9	95.7	104.1	112.3	120.3	126.9	133.4	139.8	146.0
160°	62.6	69.0	77.0	84.9	92.6	100.1	107.4	114.6	120.5	126.4	132.1
162.5°	55.0	60.4	67.0	73.9	80.8	87.5	94.1	100.5	106.8	112.3	117.4
165°	47.3	52.0	56.8	62.8	68.8	74.6	80.3	85.9	91.4	96.8	102.7
167.5°	39.6	43.5	47.4	51.6	56.6	61.5	66.3	70.9	75.5	80.1	84.5
170°	31.9	35.0	38.1	41.2	44.3	48.2	52.1	55.8	59.5	63.0	66.6
172.5°	24.1	26.5	28.8	31.1	33.3	35.5	37.7	40.6	43.3	46.0	48.5
175°	16.4	18.0	19.5	21.1	22.5	24.0	25.4	26.7	28.0	29.3	30.5
177.5°	8.7	9.4	10.2	11.0	11.7	12.4	13.1	13.8	14.5	15.1	15.7
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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	16.3	16.8	17.3	17.8	18.2	18.7	19.0	19.4	19.7	20.0	20.2
5°	32.1	33.7	35.2	36.6	38.0	39.2	40.4	41.5	42.5	43.4	44.2
7.5°	51.0	53.3	55.6	57.7	59.8	61.9	63.8	65.6	67.3	68.9	70.3
10°	69.8	73.2	76.4	79.4	82.4	85.1	87.8	90.0	92.0	93.8	95.5
12.5°	88.8	92.9	96.8	100.1	103.2	106.2	109.0	111.7	114.2	116.8	119.4
15°	106.4	110.6	114.7	118.6	122.4	126.5	130.4	134.1	137.7	141.1	144.4
17.5°	122.4	127.8	132.2	137.1	142.0	146.6	151.1	155.5	159.7	163.9	167.9
20°	137.8	143.4	149.0	154.4	159.5	164.6	169.7	175.0	180.6	185.8	190.6
22.5°	152.2	158.1	163.6	169.2	174.9	182.2	189.3	196.0	202.1	207.0	211.1
25°	164.5	170.2	176.7	184.8	193.5	201.8	209.9	217.1	223.3	228.8	233.8
27.5°	182.1	185.8	192.6	202.7	213.6	223.9	234.2	241.7	249.3	255.7	261.5
30°	207.5	214.1	221.3	230.5	239.5	249.6	260.6	270.2	279.5	287.4	294.7
32.5°	233.6	241.4	251.1	260.9	271.6	281.9	292.7	303.4	313.2	321.1	328.1
35°	258.9	268.9	279.4	291.1	302.7	315.0	326.9	337.0	346.4	357.1	368.7
37.5°	284.3	295.1	307.5	320.4	333.8	346.5	358.1	370.0	383.9	398.8	411.8
40°	308.1	321.2	334.8	349.2	363.0	376.1	390.9	406.4	422.9	439.8	457.4
42.5°	332.6	346.4	361.6	376.5	391.0	407.6	424.7	444.0	464.6	485.6	508.1
45°	355.8	371.3	387.1	402.9	420.6	438.9	460.3	482.1	507.3	534.7	567.7
47.5°	378.8	394.9	411.9	430.1	449.5	472.0	495.8	522.7	554.1	589.2	633.9
50°	403.1	418.2	436.5	456.7	479.6	504.3	532.4	565.3	603.8	653.1	706.7
52.5°	462.8	465.4	471.8	483.5	510.0	537.3	569.8	608.5	661.2	720.1	787.3
55°	518.3	517.5	521.6	531.6	548.3	570.6	605.6	659.2	719.9	788.3	868.6
57.5°	569.0	564.6	566.1	574.6	591.2	617.5	657.4	710.1	776.8	859.0	950.1
60°	615.4	606.5	606.0	614.5	632.9	662.7	713.0	771.9	843.2	927.4	1035.4
62.5°	658.1	645.4	641.5	649.4	671.9	712.4	766.4	831.1	915.4	1014.0	1129.0
65°	696.8	680.6	675.6	684.5	709.6	756.2	815.5	894.5	989.3	1099.0	1230.4
67.5°	732.1	711.9	705.9	717.8	749.7	799.3	864.2	952.0	1057.4	1183.8	1333.1
70°	765.6	740.5	732.7	747.9	784.9	837.9	914.0	1010.4	1124.2	1259.4	1426.7
72.5°	784.5	764.9	761.2	778.2	816.3	874.2	957.7	1061.2	1183.0	1329.8	1490.6
75°	798.8	785.0	787.8	809.8	851.0	911.9	1000.3	1105.8	1230.0	1384.6	1541.3
77.5°	814.5	806.3	813.5	839.3	883.4	951.2	1043.5	1151.2	1278.7	1426.7	1582.6
80°	831.4	828.5	838.5	866.9	912.8	985.8	1080.0	1187.3	1318.2	1463.9	1633.7
82.5°	849.3	851.4	862.8	892.7	939.5	1015.8	1110.4	1214.6	1346.8	1490.5	1668.5
85°	868.0	874.7	886.5	916.9	963.7	1041.5	1135.0	1234.1	1365.3	1506.9	1687.7
87.5°	887.2	898.4	909.8	940.3	986.5	1064.9	1156.5	1249.1	1378.1	1517.8	1698.3
90°	907.1	921.5	932.3	961.2	1005.4	1081.2	1168.8	1253.6	1375.5	1510.8	1683.2
92.5°	887.2	898.4	909.8	940.3	986.5	1064.9	1156.5	1249.1	1378.1	1517.8	1698.3
95°	868.0	874.7	886.5	916.9	963.7	1041.5	1135.0	1234.1	1365.3	1506.9	1687.7
97.5°	849.3	851.4	862.8	892.7	939.5	1015.8	1110.4	1214.6	1346.8	1490.5	1668.5
100°	831.4	828.5	838.5	866.9	912.8	985.8	1080.0	1187.3	1318.2	1463.9	1633.7
102.5°	814.5	806.3	813.5	839.3	883.4	951.2	1043.5	1151.2	1278.7	1426.7	1582.6
105°	798.8	785.0	787.8	809.8	851.0	911.9	1000.3	1105.8	1230.0	1384.6	1541.3
107.5°	784.5	764.9	761.2	778.2	816.3	874.2	957.7	1061.2	1183.0	1329.8	1490.6
110°	765.6	740.5	732.7	747.9	784.9	837.9	914.0	1010.4	1124.2	1259.4	1426.7



TEST NUMBER: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	732.0	711.9	705.9	717.8	749.7	799.3	864.2	952.0	1057.4	1183.8	1333.1
115°	696.8	680.6	675.6	684.5	709.6	756.2	815.5	894.5	989.3	1099.0	1230.4
117.5°	658.1	645.4	641.5	649.4	671.9	712.4	766.4	831.1	915.4	1014.0	1129.0
120°	615.4	606.5	606.0	614.5	632.9	662.7	713.0	771.9	843.2	927.4	1035.4
122.5°	569.0	564.6	566.1	574.6	591.2	617.5	657.4	710.1	776.8	859.0	950.1
125°	518.3	517.5	521.6	531.6	548.3	570.6	605.6	659.2	719.9	788.3	868.6
127.5°	462.8	465.4	471.8	483.5	510.0	537.3	569.8	608.5	661.2	720.1	787.3
130°	403.1	418.2	436.5	456.7	479.6	504.3	532.4	565.3	603.8	653.1	706.7
132.5°	378.8	394.9	411.9	430.1	449.5	472.0	495.8	522.7	554.1	589.2	633.9
135°	355.8	371.3	387.1	402.9	420.6	438.9	460.3	482.1	507.3	534.7	567.7
137.5°	332.6	346.4	361.6	376.5	391.0	407.6	424.7	444.0	464.6	485.6	508.1
140°	308.1	321.2	334.8	349.2	363.0	376.1	390.9	406.4	422.9	439.8	457.4
142.5°	284.3	295.1	307.5	320.4	333.8	346.5	358.1	370.0	383.9	398.8	411.8
145°	258.9	268.9	279.4	291.1	302.7	315.0	326.9	337.0	346.4	357.1	368.7
147.5°	233.6	241.4	251.1	260.9	271.6	281.9	292.7	303.4	313.2	321.1	328.1
150°	207.5	214.1	221.3	230.5	239.5	249.6	260.6	270.2	279.5	287.4	294.7
152.5°	182.1	185.8	192.6	202.7	213.6	223.9	234.2	241.7	249.3	255.7	261.5
155°	164.5	170.2	176.7	184.8	193.5	201.8	209.9	217.1	223.3	228.8	233.8
157.5°	152.2	158.1	163.6	169.2	174.9	182.2	189.3	196.0	202.1	207.0	211.1
160°	137.8	143.4	149.0	154.4	159.5	164.6	169.7	175.0	180.6	185.8	190.6
162.5°	122.4	127.8	132.2	137.1	142.0	146.6	151.1	155.5	159.7	163.9	167.9
165°	106.4	110.6	114.7	118.6	122.4	126.5	130.4	134.1	137.7	141.1	144.4
167.5°	88.8	92.9	96.8	100.1	103.2	106.2	109.0	111.7	114.2	116.8	119.4
170°	69.8	73.2	76.4	79.4	82.4	85.1	87.8	90.0	92.0	93.8	95.5
172.5°	51.0	53.3	55.6	57.7	59.8	61.9	63.8	65.6	67.3	68.9	70.3
175°	32.1	33.7	35.2	36.6	38.0	39.2	40.4	41.5	42.5	43.4	44.2
177.5°	16.3	16.8	17.3	17.8	18.2	18.7	19.0	19.4	19.7	20.0	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: P232079

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-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°	20.4	20.6	20.7	20.8	20.8	20.9	21.5	21.2	21.0	20.7	20.4
5°	45.0	45.6	46.1	46.6	46.9	47.2	47.3	47.3	48.1	47.5	47.0
7.5°	71.6	72.7	73.7	74.6	75.2	75.8	76.1	76.3	76.4	77.0	76.3
10°	97.0	98.3	99.5	100.5	101.3	102.0	102.4	102.7	102.8	103.5	102.7
12.5°	121.8	124.0	126.0	127.8	129.3	130.7	131.8	132.6	133.2	133.5	134.1
15°	147.5	150.4	153.1	155.7	158.0	160.0	161.8	163.3	164.6	165.5	166.8
17.5°	171.8	175.3	178.6	181.5	184.0	186.2	188.0	189.4	190.5	191.2	192.3
20°	195.1	198.6	200.8	202.4	203.5	204.0	204.1	203.8	203.1	202.1	201.1
22.5°	214.4	216.9	219.1	220.9	221.9	222.3	222.1	221.3	219.9	218.1	216.4
25°	237.9	241.0	243.2	245.2	246.3	246.6	246.0	244.6	242.5	239.8	236.4
27.5°	266.5	270.4	273.0	275.1	276.7	277.5	277.4	276.5	274.8	272.2	268.9
30°	299.4	303.9	307.4	310.2	315.7	320.4	324.0	326.5	327.9	328.1	326.9
32.5°	335.2	344.4	352.9	360.6	369.0	377.4	384.8	391.1	396.0	399.4	401.1
35°	379.8	392.2	404.9	417.1	429.3	442.8	455.0	465.8	474.9	482.1	487.2
37.5°	426.9	442.8	461.5	479.6	497.0	516.9	535.6	552.0	566.1	577.5	586.1
40°	477.3	498.5	524.8	551.8	577.3	604.2	632.1	657.3	679.3	698.0	712.8
42.5°	536.3	565.8	598.8	637.0	673.7	709.8	748.5	782.7	811.9	836.0	854.8
45°	603.0	645.1	685.5	738.0	789.4	841.9	882.0	923.2	959.3	989.9	1014.3
47.5°	680.9	736.8	795.9	855.4	914.6	970.2	1028.2	1085.1	1135.0	1177.4	1211.6
50°	770.9	837.1	906.7	974.8	1055.1	1131.0	1206.4	1285.3	1354.5	1413.1	1460.1
52.5°	861.7	938.5	1027.4	1118.3	1222.4	1329.0	1426.0	1516.2	1597.9	1669.6	1729.6
55°	953.6	1053.5	1161.8	1286.5	1410.5	1531.1	1641.8	1727.9	1802.9	1870.9	1930.3
57.5°	1055.2	1178.2	1312.7	1453.9	1598.4	1698.2	1791.7	1878.2	1955.3	2026.6	2090.6
60°	1163.7	1306.1	1461.5	1605.8	1730.0	1830.1	1914.3	1997.6	2076.3	2147.5	2210.8
62.5°	1268.6	1435.0	1594.4	1738.9	1842.5	1937.3	2018.4	2096.6	2177.3	2250.5	2315.0
65°	1387.7	1553.2	1715.5	1831.0	1931.1	2021.8	2109.4	2191.6	2270.6	2341.6	2399.6
67.5°	1497.4	1668.1	1796.0	1902.4	2000.7	2099.1	2192.1	2279.9	2359.7	2425.1	2479.2
70°	1588.2	1742.7	1864.5	1961.6	2064.6	2166.4	2264.2	2352.7	2435.6	2506.7	2555.7
72.5°	1657.2	1812.4	1919.3	2020.6	2121.4	2221.6	2321.0	2413.2	2507.5	2585.7	2627.1
75°	1720.2	1856.3	1963.2	2066.4	2170.7	2271.6	2361.4	2458.3	2551.8	2636.1	2685.7
77.5°	1772.9	1894.2	1994.1	2100.9	2210.3	2310.0	2400.5	2490.5	2598.5	2679.9	2730.9
80°	1800.9	1916.5	2014.7	2125.7	2239.7	2340.8	2433.9	2538.8	2644.2	2719.7	2755.0
82.5°	1824.8	1935.6	2038.9	2149.6	2255.9	2355.2	2455.7	2563.0	2671.4	2738.8	2770.6
85°	1842.0	1946.4	2054.3	2166.1	2270.7	2369.9	2467.1	2570.6	2682.3	2753.1	2788.2
87.5°	1856.4	1948.9	2059.8	2169.6	2274.1	2372.8	2478.8	2585.1	2698.8	2761.2	2790.2
90°	1848.4	1943.2	2055.1	2160.7	2265.4	2361.9	2476.6	2576.7	2695.0	2759.1	2775.3
92.5°	1856.4	1948.9	2059.8	2169.6	2274.1	2372.8	2478.8	2585.1	2698.8	2761.2	2790.2
95°	1842.0	1946.4	2054.3	2166.1	2270.7	2369.9	2467.1	2570.6	2682.3	2753.1	2788.2
97.5°	1824.8	1935.6	2038.9	2149.6	2255.9	2355.2	2455.7	2563.0	2671.4	2738.8	2770.6
100°	1800.9	1916.5	2014.7	2125.7	2239.7	2340.8	2433.9	2538.8	2644.2	2719.7	2755.0
102.5°	1772.9	1894.2	1994.1	2100.9	2210.3	2310.0	2400.5	2490.5	2598.5	2679.9	2730.9
105°	1720.2	1856.3	1963.2	2066.4	2170.7	2271.6	2361.4	2458.3	2551.8	2636.1	2685.7
107.5°	1657.2	1812.4	1919.3	2020.6	2121.4	2221.6	2321.0	2413.2	2507.5	2585.7	2627.1
110°	1588.2	1742.7	1864.5	1961.6	2064.6	2166.4	2264.2	2352.7	2435.6	2506.7	2555.7



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1497.4	1668.1	1796.0	1902.4	2000.7	2099.1	2192.1	2279.9	2359.7	2425.1	2479.2
115°	1387.7	1553.2	1715.5	1831.0	1931.1	2021.8	2109.4	2191.6	2270.6	2341.6	2399.6
117.5°	1268.6	1435.0	1594.4	1738.9	1842.5	1937.3	2018.4	2096.6	2177.3	2250.5	2315.0
120°	1163.7	1306.1	1461.5	1605.8	1730.0	1830.1	1914.3	1997.6	2076.3	2147.5	2210.8
122.5°	1055.2	1178.2	1312.7	1453.9	1598.4	1698.2	1791.7	1878.2	1955.3	2026.6	2090.6
125°	953.6	1053.5	1161.8	1286.5	1410.6	1531.1	1641.8	1727.9	1802.9	1870.9	1930.3
127.5°	861.7	938.5	1027.4	1118.3	1222.4	1329.0	1426.0	1516.2	1597.9	1669.6	1729.6
130°	770.9	837.1	906.7	974.8	1055.1	1131.0	1206.4	1285.3	1354.5	1413.1	1460.1
132.5°	680.9	736.8	795.9	855.4	914.6	970.2	1028.2	1085.1	1135.0	1177.4	1211.6
135°	603.0	645.1	685.5	738.0	789.4	841.9	882.0	923.2	959.3	989.9	1014.3
137.5°	536.3	565.8	598.8	637.0	673.7	709.8	748.5	782.7	811.9	836.0	854.8
140°	477.3	498.5	524.8	551.8	577.3	604.2	632.1	657.3	679.3	698.0	712.8
142.5°	426.9	442.8	461.5	479.6	497.0	516.9	535.6	552.0	566.1	577.5	586.1
145°	379.8	392.2	404.9	417.1	429.3	442.8	455.0	465.8	474.9	482.1	487.2
147.5°	335.2	344.4	352.9	360.6	369.0	377.4	384.8	391.1	396.0	399.4	401.1
150°	299.4	303.9	307.4	310.2	315.7	320.4	324.0	326.5	327.9	328.1	326.9
152.5°	266.5	270.4	273.0	275.1	276.7	277.5	277.4	276.5	274.8	272.2	268.9
155°	237.9	241.0	243.2	245.2	246.3	246.6	246.0	244.6	242.5	239.8	236.4
157.5°	214.4	216.9	219.1	220.9	221.9	222.3	222.1	221.3	219.9	218.1	216.4
160°	195.1	198.6	200.8	202.4	203.5	204.0	204.1	203.8	203.1	202.1	201.1
162.5°	171.8	175.3	178.6	181.5	184.0	186.2	188.0	189.4	190.5	191.2	192.3
165°	147.5	150.4	153.1	155.7	158.0	160.0	161.8	163.3	164.6	165.5	166.8
167.5°	121.8	124.0	126.0	127.8	129.3	130.7	131.8	132.6	133.2	133.5	134.1
170°	97.0	98.3	99.5	100.5	101.3	102.0	102.4	102.7	102.8	103.5	102.7
172.5°	71.6	72.7	73.7	74.6	75.2	75.8	76.1	76.3	76.4	77.0	76.3
175°	45.0	45.6	46.1	46.6	46.9	47.2	47.3	47.3	48.1	47.5	47.0
177.5°	20.4	20.6	20.7	20.8	20.8	20.9	21.5	21.2	21.0	20.7	20.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.9	0.9
2.5°	20.2	19.9
5°	46.5	46.0
7.5°	75.6	74.9
10°	101.9	101.1
12.5°	133.4	132.7
15°	166.4	166.1
17.5°	191.8	191.3
20°	199.4	197.7
22.5°	213.3	210.3
25°	232.8	228.3
27.5°	265.1	259.9
30°	325.1	320.4
32.5°	402.1	398.9
35°	491.3	490.1
37.5°	593.4	593.9
40°	725.8	729.3
42.5°	870.9	875.5
45°	1035.9	1043.3
47.5°	1241.8	1252.7
50°	1501.5	1516.3
52.5°	1784.3	1807.8
55°	1985.9	2017.2
57.5°	2151.5	2190.5
60°	2270.2	2311.4
62.5°	2370.5	2417.0
65°	2446.2	2483.8
67.5°	2522.7	2556.9
70°	2589.9	2612.8
72.5°	2656.1	2674.2
75°	2709.7	2723.9
77.5°	2743.5	2744.6
80°	2768.2	2771.7
82.5°	2785.7	2795.2
85°	2804.9	2796.1
87.5°	2811.1	2807.8
90°	2806.9	2801.5
92.5°	2811.1	2807.8
95°	2804.9	2796.1
97.5°	2785.7	2795.2
100°	2768.2	2771.7
102.5°	2743.5	2744.6
105°	2709.7	2723.9
107.5°	2656.1	2674.2
110°	2589.9	2612.8



TEST NUMBER: P232079

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2522.7	2556.9
115°	2446.2	2483.8
117.5°	2370.5	2417.0
120°	2270.2	2311.4
122.5°	2151.5	2190.5
125°	1985.9	2017.2
127.5°	1784.3	1807.8
130°	1501.5	1516.3
132.5°	1241.8	1252.7
135°	1035.9	1043.3
137.5°	870.9	875.5
140°	725.8	729.3
142.5°	593.4	593.9
145°	491.3	490.1
147.5°	402.1	398.9
150°	325.1	320.4
152.5°	265.1	259.9
155°	232.8	228.3
157.5°	213.3	210.3
160°	199.4	197.7
162.5°	191.8	191.3
165°	166.4	166.1
167.5°	133.4	132.7
170°	101.9	101.1
172.5°	75.6	74.9
175°	46.5	46.0
177.5°	20.2	19.9
180°	0.0	0.0

(END OF REPORT)