

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: P232009

Luminaire Tested: **FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-20)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

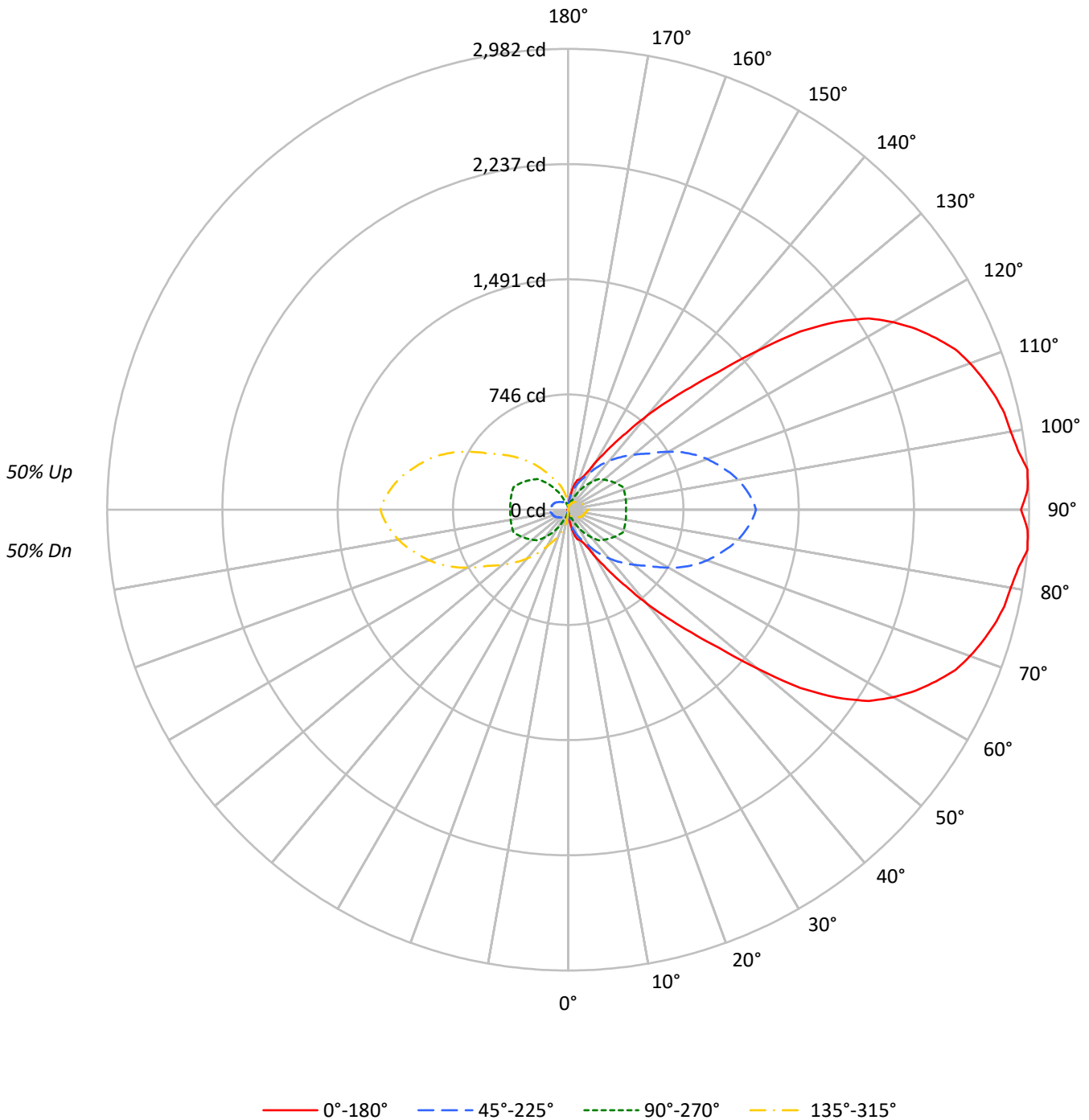
Lumens per Lamp: N/A
Luminaire Lumens: 6787.9 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 21.37 / 13.44 / 14.49
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 67.5
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





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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	84	77	71	83	76	70	65	63	58	54	50	47	43	39	36	34	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	25	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	32	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°	36	36	36	36
5°	642	244	21	244
10°	1293	455	19	455
15°	1940	672	17	672
20°	2054	901	16	901
25°	2250	1422	15	1422
30°	3139	2273	14	2273
35°	4525	3217	14	3217
40°	6550	4287	13	4287
45°	8985	5533	19	5533
50°	12634	6490	19	6490
55°	16557	7690	19	7690
60°	18911	9235	19	9235
65°	20571	11307	25	11307
70°	21960	13784	25	13784
75°	23148	17000	26	17000
80°	24250	22460	0	22460
85°	25837	33643	0	33643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	22.4	0.3
20°-30°	59.3	0.9
30°-40°	136.6	2.0
40°-50°	269.1	4.0
50°-60°	477.3	7.0
60°-70°	688.6	10.1
70°-80°	832.8	12.3
80°-90°	904.6	13.3
90°-100°	904.6	13.3
100°-110°	832.8	12.3
110°-120°	688.6	10.1
120°-130°	477.3	7.0
130°-140°	269.1	4.0
140°-150°	136.6	2.0
150°-160°	59.3	0.9
160°-170°	22.4	0.3
170°-180°	3.2	0.0
0°-30°	84.9	1.3
0°-40°	221.5	3.3
0°-60°	967.9	14.3
0°-90°	3394.0	50.0
90°-120°	2426.1	35.7
90°-150°	3309.1	48.7
90°-180°	3394.0	50.0
0°-180°	6787.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	48	16	2	16	48	7
15°	179	44	2	44	179	50
25°	239	88	2	88	239	120
35°	530	184	2	184	530	347
45°	1119	280	2	280	1119	897
55°	2120	326	2	326	2120	1876
65°	2626	371	3	371	2626	2600
75°	2857	380	3	380	2857	3015
85°	2982	376	0	376	2982	2412
90°	2930	374	0	374	2930	1618
95°	2982	376	0	376	2982	2412
105°	2857	380	3	380	2857	3015
115°	2626	371	3	371	2626	2600
125°	2120	326	2	326	2120	1876
135°	1119	280	2	280	1119	897
145°	530	184	2	184	530	347
155°	239	88	2	88	239	120
165°	179	44	2	44	179	50
175°	48	16	2	16	48	7
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	23.4	23.7	24.0	24.3	24.5	24.8	25.1	24.4	24.4	24.3	24.2
5°	48.4	49.0	49.6	50.2	50.8	50.2	50.2	50.2	50.0	49.8	49.4
7.5°	82.2	82.9	83.6	84.3	83.5	83.4	83.0	82.5	81.9	81.0	80.0
10°	108.8	109.7	110.6	111.4	110.7	110.7	110.4	110.0	109.4	108.6	107.5
12.5°	147.5	148.2	148.8	147.9	147.3	146.4	145.3	143.8	142.0	139.9	137.6
15°	179.0	179.5	180.0	178.9	178.2	177.1	175.8	174.1	172.2	170.0	167.5
17.5°	202.3	203.1	203.9	203.3	202.9	202.2	201.1	199.6	197.8	195.6	193.0
20°	204.8	207.1	209.4	211.2	213.0	214.4	215.5	216.1	216.2	215.9	214.9
22.5°	218.5	222.3	226.1	228.4	230.9	232.9	234.2	235.0	235.1	234.4	232.9
25°	239.4	244.5	248.6	252.4	255.6	258.1	260.0	261.0	261.4	260.8	259.5
27.5°	280.5	285.9	289.5	292.6	294.7	296.0	296.3	295.8	294.4	292.2	290.2
30°	352.3	356.4	357.1	357.2	355.8	353.2	349.4	344.6	339.0	332.6	329.0
32.5°	428.1	431.3	430.4	428.7	425.2	420.1	413.4	405.3	396.0	386.4	377.5
35°	530.5	531.9	527.4	521.6	513.3	502.7	490.0	475.4	459.1	445.6	432.1
37.5°	642.5	642.2	634.7	625.7	613.6	598.6	580.9	560.7	539.0	518.2	496.1
40°	794.9	791.4	777.3	761.1	740.6	716.0	687.9	656.7	627.0	599.4	570.1
42.5°	948.0	942.5	925.1	905.1	879.9	849.8	815.0	776.0	736.4	695.0	651.8
45°	1119.0	1114.8	1095.4	1072.0	1040.9	1001.9	955.2	907.8	855.0	803.8	751.5
47.5°	1323.7	1319.1	1295.1	1266.5	1228.5	1181.6	1126.0	1064.9	999.4	926.5	864.3
50°	1601.8	1593.2	1556.5	1514.0	1459.5	1393.9	1318.1	1244.3	1166.9	1081.8	1000.6
52.5°	1894.5	1872.3	1820.1	1764.1	1698.8	1626.7	1549.9	1455.9	1348.5	1240.4	1143.9
55°	2120.2	2090.4	2034.3	1973.9	1903.9	1825.8	1739.4	1644.2	1538.8	1416.1	1288.4
57.5°	2304.0	2265.0	2203.1	2138.4	2066.7	1989.8	1901.4	1804.4	1706.6	1577.2	1443.9
60°	2427.4	2385.6	2325.4	2261.5	2189.8	2111.0	2026.1	1940.4	1840.9	1722.7	1588.7
62.5°	2535.4	2488.0	2431.5	2365.8	2291.4	2209.7	2128.6	2042.7	1947.1	1847.1	1716.1
65°	2626.5	2581.0	2526.0	2460.9	2385.6	2304.2	2219.0	2129.2	2032.0	1928.9	1820.5
67.5°	2711.1	2668.1	2614.8	2550.4	2474.4	2390.0	2299.5	2203.9	2104.9	1998.5	1889.3
70°	2767.6	2733.8	2689.5	2631.8	2555.6	2465.0	2370.1	2268.8	2164.1	2062.9	1959.5
72.5°	2814.3	2797.2	2765.7	2713.9	2622.5	2524.6	2426.4	2322.7	2220.9	2120.5	2020.7
75°	2857.0	2848.7	2829.2	2774.3	2678.0	2570.6	2465.7	2372.1	2273.6	2167.9	2065.0
77.5°	2889.3	2884.6	2872.2	2806.6	2712.8	2604.9	2508.1	2413.0	2313.1	2206.2	2096.7
80°	2907.0	2913.9	2896.1	2831.3	2738.5	2645.7	2545.4	2446.0	2341.9	2233.0	2120.3
82.5°	2934.4	2937.7	2911.1	2865.5	2778.1	2679.9	2572.0	2462.9	2360.0	2255.1	2146.7
85°	2982.0	2945.8	2899.7	2882.3	2806.8	2699.9	2592.5	2485.6	2379.1	2269.8	2162.8
87.5°	2974.7	2925.6	2931.6	2901.1	2816.6	2707.2	2599.9	2498.4	2388.4	2272.2	2168.1
90°	2929.6	2932.0	2945.7	2907.0	2798.2	2693.4	2587.8	2496.7	2385.4	2262.9	2162.9
92.5°	2974.7	2925.6	2931.6	2901.1	2816.6	2707.2	2599.9	2498.4	2388.4	2272.2	2168.1
95°	2982.0	2945.8	2899.7	2882.3	2806.8	2699.9	2592.5	2485.6	2379.1	2269.8	2162.8
97.5°	2934.4	2937.7	2911.1	2865.5	2778.1	2679.9	2572.0	2462.9	2360.0	2255.1	2146.7
100°	2907.0	2913.9	2896.1	2831.3	2738.5	2645.7	2545.4	2446.0	2341.9	2233.0	2120.3
102.5°	2889.3	2884.6	2872.2	2806.6	2712.8	2604.9	2508.1	2413.0	2313.1	2206.2	2096.7
105°	2857.0	2848.7	2829.2	2774.3	2678.0	2570.6	2465.7	2372.1	2273.6	2167.9	2065.0
107.5°	2814.3	2797.2	2765.7	2713.9	2622.5	2524.6	2426.4	2322.7	2220.9	2120.5	2020.7
110°	2767.6	2733.8	2689.5	2631.8	2555.6	2465.0	2370.1	2268.8	2164.1	2062.9	1959.5



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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°	2711.1	2668.1	2614.8	2550.4	2474.4	2390.0	2299.5	2203.9	2104.9	1998.5	1889.3
115°	2626.5	2581.0	2526.0	2460.9	2385.6	2304.2	2219.0	2129.2	2032.0	1928.9	1820.5
117.5°	2535.4	2488.0	2431.5	2365.8	2291.4	2209.7	2128.6	2042.7	1947.1	1847.1	1716.1
120°	2427.4	2385.6	2325.4	2261.5	2189.8	2111.0	2026.1	1940.4	1840.9	1722.7	1588.7
122.5°	2304.0	2265.0	2203.1	2138.4	2066.7	1989.8	1901.4	1804.4	1706.6	1577.2	1443.9
125°	2120.2	2090.4	2034.3	1973.9	1903.9	1825.8	1739.4	1644.2	1538.8	1416.1	1288.4
127.5°	1894.5	1872.3	1820.1	1764.1	1698.8	1626.7	1549.9	1455.9	1348.5	1240.4	1143.9
130°	1601.8	1593.2	1556.5	1514.0	1459.5	1393.9	1318.1	1244.3	1166.9	1081.8	1000.6
132.5°	1323.7	1319.1	1295.1	1266.5	1228.5	1181.6	1126.0	1064.9	999.4	926.5	864.3
135°	1119.0	1114.8	1095.4	1072.0	1040.9	1001.9	955.2	907.8	855.0	803.8	751.5
137.5°	948.0	942.5	925.1	905.1	879.9	849.8	815.0	776.0	736.4	695.0	651.8
140°	794.9	791.4	777.3	761.1	740.6	716.0	687.9	656.7	627.0	599.4	570.1
142.5°	642.5	642.2	634.7	625.7	613.6	598.6	580.9	560.7	539.0	518.2	496.1
145°	530.5	531.9	527.4	521.6	513.3	502.7	490.0	475.4	459.1	445.6	432.1
147.5°	428.1	431.3	430.4	428.7	425.2	420.1	413.4	405.3	396.0	386.4	377.5
150°	352.3	356.4	357.1	357.2	355.8	353.2	349.4	344.6	339.0	332.6	329.0
152.5°	280.5	285.9	289.5	292.6	294.7	296.0	296.3	295.8	294.4	292.2	290.2
155°	239.4	244.5	248.6	252.4	255.6	258.1	260.0	261.0	261.4	260.8	259.5
157.5°	218.5	222.3	226.1	228.4	230.9	232.9	234.2	235.0	235.1	234.4	232.9
160°	204.8	207.1	209.4	211.2	213.0	214.4	215.5	216.1	216.2	215.9	214.9
162.5°	202.3	203.1	203.9	203.3	202.9	202.2	201.1	199.6	197.8	195.6	193.0
165°	179.0	179.5	180.0	178.9	178.2	177.1	175.8	174.1	172.2	170.0	167.5
167.5°	147.5	148.2	148.8	147.9	147.3	146.4	145.3	143.8	142.0	139.9	137.6
170°	108.8	109.7	110.6	111.4	110.7	110.7	110.4	110.0	109.4	108.6	107.5
172.5°	82.2	82.9	83.6	84.3	83.5	83.4	83.0	82.5	81.9	81.0	80.0
175°	48.4	49.0	49.6	50.2	50.8	50.2	50.2	50.2	50.0	49.8	49.4
177.5°	23.4	23.7	24.0	24.3	24.5	24.8	25.1	24.4	24.4	24.3	24.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	24.1	23.9	23.7	23.4	23.1	22.7	22.4	21.9	21.5	21.0	20.5
5°	49.0	48.4	47.8	47.0	46.2	45.3	44.3	43.1	41.9	40.7	39.3
7.5°	78.8	77.5	76.0	74.4	72.6	70.7	68.7	66.5	64.2	62.1	60.1
10°	106.3	104.9	103.4	101.6	99.7	97.6	95.1	92.2	89.1	85.9	82.6
12.5°	135.1	132.3	129.4	126.2	123.1	120.4	117.6	114.6	111.4	108.0	104.4
15°	164.8	161.8	158.7	154.8	150.6	146.2	141.7	136.9	132.1	127.9	123.6
17.5°	190.0	186.7	182.9	178.8	174.5	170.0	165.3	160.2	154.6	148.9	143.1
20°	213.3	210.2	206.0	201.4	196.4	190.9	185.4	179.9	174.2	168.4	162.1
22.5°	231.1	229.4	226.7	223.1	218.7	212.8	206.2	199.1	191.8	185.1	178.6
25°	257.6	254.8	250.9	246.0	240.8	235.0	228.0	220.0	211.6	202.6	194.2
27.5°	288.1	285.0	280.9	275.7	269.3	261.6	254.1	243.8	233.4	222.1	211.6
30°	324.6	319.3	314.2	307.9	301.1	293.2	283.4	272.1	261.8	252.7	243.4
32.5°	368.2	358.5	350.7	343.2	334.8	326.0	317.3	308.2	297.8	286.9	276.8
35°	417.7	403.6	392.1	380.7	370.9	362.3	353.1	343.2	332.5	321.0	309.0
37.5°	473.0	454.4	436.7	423.1	410.8	399.1	388.4	377.7	366.2	353.9	341.1
40°	540.5	514.3	490.3	470.9	453.7	438.1	424.6	411.3	399.1	386.2	372.1
42.5°	615.6	584.1	553.0	525.9	500.9	480.2	461.6	446.3	431.1	417.6	403.0
45°	706.9	659.8	621.2	585.0	553.2	523.5	501.3	481.3	464.4	447.8	433.0
47.5°	808.1	751.5	698.5	647.9	608.7	572.7	541.5	517.7	497.4	478.9	461.6
50°	917.9	849.3	784.1	724.0	667.2	623.5	585.5	553.3	530.3	509.9	490.0
52.5°	1048.4	957.9	874.4	803.4	736.9	675.5	630.3	592.6	561.9	539.8	531.4
55°	1176.0	1072.4	975.2	884.1	808.3	737.8	674.4	632.8	608.6	593.9	590.2
57.5°	1306.8	1181.2	1073.7	972.7	879.8	801.4	738.8	692.1	662.0	644.5	641.3
60°	1437.2	1293.2	1163.6	1055.2	959.8	876.7	806.7	748.8	714.9	694.6	687.8
62.5°	1570.2	1400.3	1259.5	1142.7	1040.6	946.3	871.1	809.3	764.2	739.4	730.6
65°	1681.3	1529.4	1368.0	1230.7	1116.8	1016.1	929.3	861.6	811.2	784.2	774.5
67.5°	1780.6	1637.2	1479.2	1325.4	1186.7	1076.9	984.2	912.5	859.3	826.5	814.2
70°	1847.4	1719.5	1577.4	1412.6	1261.7	1137.1	1036.5	957.4	900.8	864.8	850.2
72.5°	1908.7	1782.1	1638.0	1486.4	1334.8	1190.0	1080.7	998.4	937.2	902.0	886.3
75°	1957.0	1833.0	1691.2	1541.7	1398.9	1240.2	1124.3	1038.4	977.4	938.1	917.7
77.5°	1996.8	1875.4	1731.4	1585.6	1444.3	1294.7	1170.1	1079.8	1014.9	972.1	948.5
80°	2019.5	1909.7	1776.7	1627.3	1480.6	1336.6	1207.9	1115.8	1049.2	1004.2	978.7
82.5°	2039.7	1934.5	1812.9	1660.4	1508.8	1366.7	1238.4	1146.8	1080.5	1034.6	1008.3
85°	2052.9	1947.2	1839.4	1684.3	1528.8	1386.3	1262.3	1173.4	1109.0	1063.4	1037.4
87.5°	2058.3	1952.7	1861.1	1703.7	1544.5	1400.0	1282.5	1197.5	1136.1	1091.4	1066.2
90°	2054.9	1942.9	1861.4	1703.4	1543.8	1400.3	1293.9	1215.7	1159.3	1117.3	1094.0
92.5°	2058.3	1952.7	1861.1	1703.7	1544.5	1400.0	1282.5	1197.5	1136.1	1091.4	1066.2
95°	2052.9	1947.2	1839.4	1684.3	1528.8	1386.3	1262.3	1173.4	1109.0	1063.4	1037.4
97.5°	2039.7	1934.5	1812.9	1660.4	1508.8	1366.7	1238.4	1146.8	1080.5	1034.6	1008.3
100°	2019.5	1909.7	1776.7	1627.3	1480.6	1336.6	1207.9	1115.8	1049.2	1004.2	978.7
102.5°	1996.8	1875.4	1731.4	1585.6	1444.3	1294.7	1170.1	1079.8	1014.9	972.1	948.5
105°	1957.0	1833.0	1691.2	1541.7	1398.9	1240.2	1124.3	1038.4	977.4	938.1	917.7
107.5°	1908.7	1782.1	1638.0	1486.4	1334.8	1190.0	1080.7	998.4	937.2	902.0	886.3
110°	1847.4	1719.5	1577.4	1412.6	1261.7	1137.1	1036.5	957.4	900.8	864.8	850.2



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-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°	1780.6	1637.2	1479.2	1325.4	1186.7	1076.9	984.2	912.5	859.3	826.5	814.2
115°	1681.3	1529.4	1368.0	1230.7	1116.8	1016.1	929.3	861.6	811.2	784.2	774.5
117.5°	1570.2	1400.3	1259.5	1142.7	1040.6	946.3	871.1	809.3	764.2	739.4	730.6
120°	1437.2	1293.2	1163.6	1055.2	959.8	876.7	806.7	748.8	714.9	694.6	687.8
122.5°	1306.8	1181.2	1073.7	972.7	879.8	801.4	738.8	692.1	662.0	644.5	641.3
125°	1176.0	1072.4	975.2	884.1	808.3	737.8	674.4	632.8	608.6	593.9	590.2
127.5°	1048.4	957.9	874.4	803.4	736.9	675.5	630.3	592.6	561.9	539.8	531.4
130°	917.9	849.3	784.1	724.0	667.2	623.5	585.5	553.3	530.3	509.9	490.0
132.5°	808.1	751.5	698.5	647.9	608.7	572.7	541.5	517.7	497.4	478.9	461.6
135°	706.9	659.8	621.2	585.0	553.2	523.5	501.3	481.3	464.4	447.8	433.0
137.5°	615.6	584.1	553.0	525.9	500.9	480.2	461.6	446.3	431.1	417.6	403.0
140°	540.5	514.3	490.3	470.9	453.7	438.1	424.6	411.3	399.1	386.2	372.1
142.5°	473.0	454.4	436.7	423.1	410.8	399.1	388.4	377.7	366.2	353.9	341.1
145°	417.7	403.6	392.1	380.7	370.9	362.3	353.1	343.2	332.5	321.0	309.0
147.5°	368.2	358.5	350.7	343.2	334.8	326.0	317.3	308.2	297.8	286.9	276.8
150°	324.6	319.3	314.2	307.9	301.1	293.2	283.4	272.1	261.8	252.7	243.4
152.5°	288.1	285.0	280.9	275.7	269.3	261.6	254.1	243.8	233.4	222.1	211.6
155°	257.6	254.8	250.9	246.0	240.8	235.0	228.0	220.0	211.6	202.6	194.2
157.5°	231.1	229.4	226.7	223.1	218.7	212.8	206.2	199.1	191.8	185.1	178.6
160°	213.3	210.2	206.0	201.4	196.4	190.9	185.4	179.9	174.2	168.4	162.1
162.5°	190.0	186.7	182.9	178.8	174.5	170.0	165.3	160.2	154.6	148.9	143.1
165°	164.8	161.9	158.7	154.8	150.6	146.2	141.7	136.9	132.1	127.9	123.6
167.5°	135.1	132.3	129.4	126.2	123.1	120.4	117.6	114.6	111.4	108.0	104.4
170°	106.3	104.9	103.4	101.6	99.7	97.6	95.1	92.2	89.1	85.9	82.6
172.5°	78.8	77.5	76.0	74.4	72.6	70.7	68.7	66.5	64.2	62.1	60.1
175°	49.0	48.4	47.8	47.0	46.2	45.3	44.3	43.1	41.9	40.7	39.3
177.5°	24.1	23.9	23.7	23.4	23.1	22.7	22.4	21.9	21.5	21.0	20.5
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	19.9	19.3	18.7	18.1	17.4	16.7	15.9	15.2	14.4	13.6	12.8
5°	37.8	36.3	34.7	33.4	32.1	30.7	29.2	27.8	26.2	24.6	23.0
7.5°	57.9	55.6	53.2	50.6	48.0	45.3	42.4	40.1	37.8	35.5	33.1
10°	79.1	75.5	72.0	68.4	64.9	61.2	57.4	53.5	49.5	46.2	43.1
12.5°	100.2	95.9	91.4	86.7	82.0	77.3	72.5	67.5	62.5	57.3	52.9
15°	119.1	114.5	110.3	104.3	98.9	93.3	87.7	81.7	75.6	69.3	62.8
17.5°	137.9	131.8	126.3	120.5	114.5	108.4	102.1	95.7	88.7	81.3	73.8
20°	155.6	149.0	142.5	136.0	129.3	122.4	115.6	108.7	101.8	93.4	84.7
22.5°	172.0	165.0	158.0	150.9	143.6	135.9	128.1	120.9	113.6	105.6	95.7
25°	186.3	179.0	171.7	164.4	160.1	155.0	149.3	143.4	137.6	131.3	122.5
27.5°	204.7	200.1	196.5	192.7	188.7	184.4	178.9	172.8	166.4	159.7	151.4
30°	236.0	229.0	223.5	219.8	216.0	211.9	207.4	201.5	195.6	187.9	180.3
32.5°	266.6	258.2	251.1	245.7	242.0	238.2	234.3	229.2	223.1	215.9	207.7
35°	297.8	287.0	278.5	271.4	267.0	263.5	260.0	256.6	250.4	243.7	235.1
37.5°	328.1	316.3	305.0	297.4	291.2	287.7	284.7	281.5	276.9	271.3	262.4
40°	358.2	344.4	332.6	321.9	315.4	311.0	308.4	306.0	302.8	297.7	289.5
42.5°	387.4	372.7	358.7	347.3	339.0	333.2	331.4	329.6	327.9	323.5	316.4
45°	416.8	399.8	385.0	372.1	361.2	356.2	353.5	352.4	351.7	348.8	343.2
47.5°	445.7	427.5	410.6	396.5	384.7	381.1	381.7	382.0	380.2	375.3	367.2
50°	472.8	457.6	454.0	451.4	446.5	438.8	430.4	423.0	414.3	403.9	391.2
52.5°	526.4	526.4	528.5	527.2	518.4	502.6	485.0	467.8	451.1	434.3	416.0
55°	586.7	589.5	596.5	604.5	593.8	571.6	544.2	516.0	490.4	466.4	442.1
57.5°	642.8	647.8	658.4	676.6	669.5	644.2	607.7	567.4	532.2	500.3	469.2
60°	694.1	702.2	717.3	740.7	746.3	720.2	675.0	622.1	577.0	535.8	497.3
62.5°	740.6	754.1	772.7	800.3	824.1	799.1	745.3	681.2	623.9	572.8	526.3
65°	782.9	802.4	824.9	855.9	901.9	876.0	817.1	742.8	672.5	610.9	556.0
67.5°	821.4	847.3	874.3	910.0	963.5	951.5	890.6	806.3	722.6	650.1	586.2
70°	857.8	889.4	922.9	960.9	1007.9	999.3	931.1	837.8	743.8	664.2	595.1
72.5°	889.8	913.3	944.3	974.6	1006.4	1001.0	936.6	847.4	752.5	671.5	600.6
75°	915.4	932.1	962.4	991.6	1010.6	1002.9	939.8	855.1	760.1	678.2	605.8
77.5°	941.8	952.7	980.5	1011.4	1019.7	1004.7	940.8	861.0	766.6	684.2	610.6
80°	968.7	974.9	998.8	1033.4	1032.5	1006.2	939.9	865.1	771.9	689.4	614.9
82.5°	996.1	998.3	1017.5	1057.0	1047.9	1007.2	937.2	867.6	776.2	693.9	621.2
85°	1023.8	1022.9	1036.9	1081.7	1064.9	1010.1	934.9	871.1	781.3	699.1	623.2
87.5°	1051.7	1048.0	1056.6	1107.2	1083.0	1007.3	927.8	868.9	782.1	701.1	625.2
90°	1079.5	1073.8	1078.6	1131.9	1098.8	1004.5	920.6	866.6	782.8	703.0	627.2
92.5°	1051.7	1048.0	1056.6	1107.2	1083.0	1007.3	927.8	868.9	782.1	701.1	625.2
95°	1023.8	1022.9	1036.9	1081.7	1064.9	1010.1	934.9	871.1	781.3	699.1	623.2
97.5°	996.1	998.3	1017.5	1057.0	1047.9	1007.2	937.2	867.6	776.2	693.9	621.2
100°	968.7	974.9	998.8	1033.4	1032.5	1006.2	939.9	865.1	771.9	689.4	614.9
102.5°	941.8	952.7	980.5	1011.4	1019.7	1004.7	940.8	861.0	766.6	684.2	610.6
105°	915.4	932.1	962.4	991.6	1010.6	1002.9	939.8	855.1	760.1	678.2	605.8
107.5°	889.8	913.3	944.3	974.6	1006.4	1001.0	936.6	847.4	752.5	671.5	600.6
110°	857.8	889.4	922.9	960.9	1007.9	999.3	931.1	837.8	743.8	664.2	595.1



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	821.4	847.3	874.3	910.0	963.5	951.5	890.6	806.3	722.6	650.1	586.2
115°	782.9	802.4	824.9	855.9	901.9	876.0	817.1	742.8	672.5	610.9	556.0
117.5°	740.6	754.1	772.7	800.3	824.1	799.1	745.3	681.2	623.9	572.8	526.3
120°	694.1	702.2	717.3	740.7	746.3	720.2	675.0	622.1	577.0	535.8	497.3
122.5°	642.8	647.8	658.4	676.6	669.5	644.2	607.7	567.4	532.2	500.3	469.2
125°	586.7	589.5	596.5	604.5	593.8	571.6	544.2	516.0	490.4	466.4	442.1
127.5°	526.4	526.4	528.5	527.2	518.4	502.6	485.0	467.8	451.1	434.3	416.0
130°	472.8	457.6	454.0	451.4	446.5	438.8	430.4	423.0	414.3	403.9	391.2
132.5°	445.7	427.5	410.6	396.5	384.7	381.1	381.7	382.0	380.2	375.3	367.2
135°	416.8	399.8	385.0	372.1	361.2	356.2	353.5	352.4	351.7	348.8	343.2
137.5°	387.4	372.7	358.7	347.3	339.0	333.2	331.4	329.6	327.9	323.5	316.4
140°	358.2	344.4	332.6	321.9	315.4	311.0	308.4	306.0	302.8	297.7	289.5
142.5°	328.1	316.3	305.0	297.4	291.2	287.7	284.7	281.5	276.9	271.3	262.4
145°	297.8	287.0	278.5	271.4	267.0	263.5	260.0	256.6	250.4	243.7	235.1
147.5°	266.6	258.2	251.1	245.7	242.0	238.2	234.3	229.2	223.1	215.9	207.7
150°	236.0	229.0	223.5	219.8	216.0	211.9	207.4	201.5	195.6	187.9	180.3
152.5°	204.7	200.1	196.5	192.7	188.7	184.4	178.9	172.8	166.4	159.7	151.4
155°	186.3	179.0	171.7	164.4	160.1	155.0	149.3	143.4	137.6	131.3	122.5
157.5°	172.0	165.0	158.0	150.9	143.6	135.9	128.1	120.9	113.6	105.6	95.7
160°	155.6	149.0	142.5	136.0	129.3	122.4	115.6	108.7	101.8	93.4	84.7
162.5°	137.9	131.8	126.3	120.5	114.5	108.4	102.1	95.7	88.7	81.3	73.8
165°	119.1	114.5	110.3	104.3	98.9	93.3	87.7	81.7	75.6	69.3	62.8
167.5°	100.2	95.9	91.4	86.7	82.0	77.3	72.5	67.5	62.5	57.3	52.9
170°	79.1	75.5	72.0	68.4	64.9	61.2	57.4	53.5	49.5	46.2	43.1
172.5°	57.9	55.6	53.2	50.6	48.0	45.3	42.4	40.1	37.8	35.5	33.1
175°	37.8	36.3	34.7	33.4	32.1	30.7	29.2	27.8	26.2	24.6	23.0
177.5°	19.9	19.3	18.7	18.1	17.4	16.7	15.9	15.2	14.4	13.6	12.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	11.9	11.1	10.2	9.3	9.3	9.2	9.2	9.1	9.0	8.9	8.8
5°	21.4	19.7	18.0	16.2	16.1	16.0	15.8	15.6	15.4	15.2	15.0
7.5°	30.7	28.2	25.7	23.1	22.9	22.6	22.3	22.0	21.6	21.2	20.8
10°	39.9	36.7	33.4	30.0	29.6	29.2	28.7	28.1	27.6	27.0	26.5
12.5°	49.0	45.1	41.0	36.9	36.3	35.6	34.9	34.1	33.4	32.9	32.4
15°	58.0	53.4	48.6	43.8	42.9	42.0	41.0	40.0	39.5	38.9	38.2
17.5°	66.9	61.6	56.2	50.7	49.5	48.3	47.0	46.2	45.5	44.8	44.1
20°	75.9	69.8	63.7	57.6	56.1	54.5	52.9	52.3	51.6	50.8	50.3
22.5°	85.7	77.8	71.2	64.5	62.6	60.6	59.1	58.4	57.7	57.0	56.4
25°	112.6	103.5	96.2	88.4	85.3	81.9	79.1	76.5	74.0	71.7	69.2
27.5°	140.6	129.9	121.4	112.3	108.0	103.3	99.5	95.6	92.2	88.9	85.4
30°	168.5	156.5	146.6	136.2	130.5	124.5	119.3	114.0	109.8	105.4	100.5
32.5°	196.3	183.5	171.9	160.1	152.9	145.5	138.7	132.1	126.7	120.9	114.9
35°	224.0	210.4	197.3	184.1	175.2	166.1	157.5	149.8	143.0	135.7	128.3
37.5°	251.6	237.3	222.8	208.0	197.3	186.5	175.9	167.0	159.0	149.8	140.8
40°	279.0	264.0	248.3	231.9	219.3	206.5	193.8	183.7	173.7	163.3	152.4
42.5°	306.1	290.6	273.8	255.8	241.2	226.3	211.7	200.1	188.2	176.6	163.2
45°	332.6	317.2	299.4	279.7	263.0	245.8	229.1	216.0	202.3	188.1	173.3
47.5°	352.4	333.3	312.3	291.2	271.6	252.4	235.0	221.1	207.5	193.4	178.7
50°	372.2	349.3	325.0	302.6	279.9	258.3	239.4	223.9	209.4	195.0	180.1
52.5°	392.9	365.7	337.7	314.1	288.0	264.0	243.6	226.6	211.4	196.9	182.3
55°	414.2	382.5	350.4	325.6	296.1	269.7	247.6	229.4	213.6	199.3	185.4
57.5°	436.1	399.6	363.0	337.0	304.0	275.2	251.5	232.3	216.2	202.0	189.3
60°	458.5	416.9	375.7	348.5	311.9	280.7	255.4	235.2	219.0	205.5	194.3
62.5°	481.4	434.5	388.3	360.0	319.7	286.1	259.1	238.2	222.2	209.6	199.1
65°	504.6	452.3	400.8	371.4	327.4	291.5	262.8	241.3	225.6	214.3	205.0
67.5°	528.2	470.2	413.4	382.9	335.2	296.9	266.4	244.5	229.2	219.4	211.5
70°	533.4	473.9	417.3	381.9	333.0	294.6	263.9	242.2	227.7	219.1	212.7
72.5°	537.0	476.8	421.2	380.9	330.9	292.2	261.1	239.4	225.0	216.8	210.5
75°	540.3	479.3	426.7	380.0	328.8	290.0	258.4	236.6	222.4	214.6	208.5
77.5°	543.2	481.5	430.3	379.0	326.8	287.9	255.9	234.0	219.9	212.5	206.7
80°	545.7	484.9	433.9	378.0	325.0	285.9	253.5	231.5	217.6	210.5	205.0
82.5°	549.5	485.8	437.5	377.0	323.2	284.2	251.4	229.2	215.4	208.6	203.4
85°	550.4	486.7	441.0	376.1	321.5	282.5	249.4	227.1	213.3	206.7	201.9
87.5°	551.3	487.6	444.6	375.1	319.9	281.0	247.5	225.1	211.4	204.9	200.4
90°	552.2	488.5	448.2	374.1	318.4	279.7	245.9	223.3	209.6	203.2	199.1
92.5°	551.3	487.6	444.6	375.1	319.9	281.0	247.5	225.1	211.4	204.9	200.4
95°	550.4	486.7	441.0	376.1	321.5	282.5	249.4	227.1	213.3	206.7	201.9
97.5°	549.5	485.8	437.5	377.0	323.2	284.2	251.4	229.2	215.4	208.6	203.4
100°	545.7	484.9	433.9	378.0	325.0	285.9	253.5	231.5	217.6	210.5	205.0
102.5°	543.2	481.5	430.3	379.0	326.8	287.9	255.9	234.0	219.9	212.5	206.7
105°	540.3	479.3	426.7	380.0	328.8	290.0	258.4	236.6	222.4	214.6	208.5
107.5°	537.0	476.8	421.2	380.9	330.9	292.2	261.1	239.4	225.0	216.8	210.5
110°	533.4	473.9	417.3	381.9	333.0	294.6	263.9	242.2	227.7	219.1	212.7



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-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°	528.2	470.2	413.4	382.9	335.2	296.9	266.4	244.5	229.2	219.4	211.5
115°	504.6	452.3	400.8	371.4	327.4	291.5	262.8	241.3	225.6	214.3	205.0
117.5°	481.4	434.5	388.3	360.0	319.7	286.1	259.1	238.2	222.2	209.6	199.1
120°	458.5	416.9	375.7	348.5	311.9	280.7	255.4	235.2	219.0	205.5	194.3
122.5°	436.1	399.6	363.0	337.0	304.0	275.2	251.5	232.3	216.2	202.0	189.3
125°	414.2	382.5	350.4	325.6	296.1	269.7	247.6	229.4	213.6	199.3	185.4
127.5°	392.9	365.7	337.7	314.1	288.0	264.0	243.6	226.6	211.4	196.9	182.3
130°	372.2	349.3	325.0	302.6	279.9	258.3	239.4	223.9	209.4	195.0	180.1
132.5°	352.4	333.3	312.3	291.2	271.6	252.4	235.0	221.1	207.5	193.4	178.7
135°	332.6	317.2	299.4	279.7	263.0	245.8	229.1	216.0	202.3	188.1	173.3
137.5°	306.1	290.6	273.8	255.8	241.2	226.3	211.7	200.1	188.2	176.6	163.2
140°	279.0	264.0	248.3	231.9	219.3	206.5	193.8	183.7	173.7	163.3	152.4
142.5°	251.6	237.3	222.8	208.0	197.3	186.5	175.9	167.0	159.0	149.8	140.8
145°	224.0	210.4	197.3	184.1	175.2	166.1	157.5	149.8	143.0	135.7	128.3
147.5°	196.3	183.5	171.9	160.1	152.9	145.5	138.7	132.1	126.7	120.9	114.9
150°	168.5	156.5	146.6	136.2	130.5	124.5	119.3	114.0	109.8	105.4	100.5
152.5°	140.6	129.9	121.4	112.3	108.0	103.3	99.5	95.6	92.2	88.9	85.4
155°	112.6	103.5	96.2	88.4	85.3	81.9	79.1	76.5	74.0	71.7	69.2
157.5°	85.7	77.8	71.2	64.5	62.6	60.6	59.1	58.4	57.7	57.0	56.4
160°	75.9	69.8	63.7	57.6	56.1	54.5	52.9	52.3	51.6	50.8	50.3
162.5°	66.9	61.6	56.2	50.7	49.5	48.3	47.0	46.2	45.5	44.8	44.1
165°	58.0	53.4	48.6	43.8	42.9	42.0	41.0	40.0	39.5	38.9	38.2
167.5°	49.0	45.1	41.0	36.9	36.3	35.6	34.9	34.1	33.4	32.9	32.4
170°	39.9	36.7	33.4	30.0	29.6	29.2	28.7	28.1	27.6	27.0	26.5
172.5°	30.7	28.2	25.7	23.1	22.9	22.6	22.3	22.0	21.6	21.2	20.8
175°	21.4	19.7	18.0	16.2	16.1	16.0	15.8	15.6	15.4	15.2	15.0
177.5°	11.9	11.1	10.2	9.3	9.3	9.2	9.2	9.1	9.0	8.9	8.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.4	7.2	7.0
5°	14.7	14.4	14.1	13.8	13.4	13.1	12.7	12.3	11.9	11.5	11.1
7.5°	20.4	19.9	19.5	19.0	18.6	18.0	17.5	16.9	16.3	15.7	15.1
10°	26.1	25.5	24.9	24.3	23.7	23.1	22.5	21.8	21.2	20.4	19.7
12.5°	31.8	31.1	30.5	29.9	29.2	28.5	27.8	27.0	26.0	25.1	24.1
15°	37.5	36.9	36.3	35.6	34.8	33.9	32.9	31.8	30.7	29.6	28.4
17.5°	43.6	42.9	42.1	41.2	40.2	39.1	37.9	36.7	35.4	34.1	32.7
20°	49.6	48.8	47.8	46.7	45.5	44.2	42.9	41.5	40.0	38.4	36.7
22.5°	55.7	54.6	53.4	52.1	50.8	49.4	47.8	46.1	44.2	42.4	40.6
25°	66.4	63.4	60.4	57.5	56.0	54.3	52.4	50.4	48.6	46.7	44.8
27.5°	81.5	77.6	73.7	69.8	65.7	61.7	58.1	55.0	53.1	50.8	48.5
30°	95.6	90.5	85.5	80.2	75.1	70.3	65.9	62.0	58.4	55.0	52.1
32.5°	108.6	102.3	95.7	89.1	82.8	77.0	71.9	67.4	63.2	59.5	56.0
35°	120.5	112.7	104.4	96.4	88.9	82.2	76.7	71.6	67.0	63.0	59.5
37.5°	131.4	121.6	111.7	102.2	93.4	86.7	80.4	74.9	70.2	66.3	62.6
40°	141.2	129.3	117.6	106.4	97.8	90.1	83.5	77.8	73.4	69.3	65.6
42.5°	149.7	135.9	122.2	110.5	101.2	93.1	86.0	81.0	76.5	72.4	68.6
45°	157.3	141.3	125.5	114.2	104.2	95.3	89.3	84.0	79.6	75.6	71.6
47.5°	162.5	145.4	129.5	117.1	106.7	98.4	92.2	87.3	82.9	78.9	74.4
50°	164.4	147.6	133.7	121.3	109.7	101.7	95.6	90.7	86.5	81.9	77.3
52.5°	167.1	151.4	138.4	126.5	116.5	108.6	102.1	96.3	89.9	85.0	80.5
55°	170.9	156.7	143.8	132.2	123.5	116.5	110.7	105.6	98.0	90.6	84.0
57.5°	175.7	162.3	150.0	139.2	130.7	125.0	120.5	114.1	105.6	96.9	89.1
60°	181.3	168.4	156.7	146.8	139.3	134.2	130.9	122.1	111.8	101.9	93.1
62.5°	187.7	174.9	163.7	154.5	148.3	144.7	140.0	129.5	117.0	106.2	96.4
65°	194.5	182.1	171.3	162.5	157.7	155.7	148.2	135.4	121.6	109.7	99.2
67.5°	201.5	189.7	179.5	171.2	167.5	167.2	156.3	140.6	125.8	113.0	101.6
70°	204.0	194.2	185.9	180.2	178.5	177.3	163.9	145.2	129.5	116.1	103.6
72.5°	202.0	193.4	185.6	180.5	180.0	177.9	165.7	148.9	133.2	118.9	105.2
75°	200.5	193.0	185.4	180.6	180.0	175.6	164.4	150.5	135.8	121.1	107.3
77.5°	199.2	192.9	185.4	180.6	179.6	174.1	164.9	153.3	138.8	123.6	109.8
80°	198.3	193.1	185.6	180.6	178.9	173.2	166.8	157.0	142.0	126.4	112.5
82.5°	197.7	193.6	185.9	180.5	178.0	172.8	169.8	161.7	145.6	129.9	115.7
85°	197.2	194.3	186.4	180.5	176.9	172.7	173.6	167.0	149.7	133.8	119.3
87.5°	196.9	195.0	187.0	180.5	175.9	172.9	177.9	172.9	154.3	138.3	123.4
90°	196.7	195.9	187.8	180.6	174.9	173.3	182.2	179.0	159.6	143.5	128.2
92.5°	196.9	195.0	187.0	180.5	175.9	172.9	177.9	172.9	154.3	138.3	123.4
95°	197.2	194.3	186.4	180.5	176.9	172.7	173.6	167.0	149.7	133.8	119.3
97.5°	197.7	193.6	185.9	180.5	178.0	172.8	169.8	161.7	145.6	129.9	115.7
100°	198.3	193.1	185.6	180.6	178.9	173.2	166.8	157.0	142.0	126.4	112.5
102.5°	199.2	192.9	185.4	180.6	179.6	174.1	164.9	153.3	138.8	123.6	109.8
105°	200.5	193.0	185.4	180.6	180.0	175.6	164.4	150.5	135.8	121.1	107.3
107.5°	202.0	193.4	185.6	180.5	180.0	177.9	165.7	148.9	133.2	118.9	105.2
110°	204.0	194.2	185.9	180.2	178.5	177.3	163.9	145.2	129.5	116.1	103.6



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	201.5	189.7	179.5	171.2	167.5	167.2	156.3	140.6	125.8	113.0	101.6
115°	194.5	182.1	171.3	162.5	157.7	155.7	148.2	135.4	121.6	109.7	99.2
117.5°	187.7	174.9	163.7	154.5	148.3	144.7	140.0	129.5	117.0	106.2	96.4
120°	181.3	168.4	156.7	146.8	139.3	134.2	130.9	122.1	111.8	101.9	93.1
122.5°	175.7	162.3	150.0	139.2	130.7	125.0	120.5	114.1	105.6	96.9	89.1
125°	170.9	156.7	143.8	132.2	123.5	116.5	110.7	105.6	98.0	90.6	84.0
127.5°	167.1	151.4	138.4	126.5	116.5	108.6	102.1	96.3	89.9	85.0	80.5
130°	164.4	147.6	133.7	121.3	109.7	101.7	95.6	90.7	86.5	81.9	77.3
132.5°	162.5	145.4	129.5	117.1	106.7	98.4	92.2	87.3	82.9	78.9	74.4
135°	157.3	141.3	125.5	114.2	104.2	95.3	89.3	84.0	79.6	75.6	71.6
137.5°	149.7	135.9	122.2	110.5	101.2	93.1	86.0	81.0	76.5	72.4	68.6
140°	141.2	129.3	117.6	106.4	97.8	90.1	83.5	77.8	73.4	69.3	65.6
142.5°	131.4	121.6	111.7	102.2	93.4	86.7	80.4	74.9	70.2	66.3	62.6
145°	120.5	112.7	104.4	96.4	88.9	82.2	76.7	71.6	67.0	63.0	59.5
147.5°	108.6	102.3	95.7	89.1	82.8	77.0	71.9	67.4	63.2	59.5	56.0
150°	95.6	90.5	85.5	80.2	75.1	70.3	65.9	62.0	58.4	55.0	52.1
152.5°	81.5	77.6	73.7	69.8	65.7	61.7	58.1	55.0	53.1	50.8	48.5
155°	66.4	63.4	60.4	57.5	56.0	54.3	52.4	50.4	48.6	46.7	44.8
157.5°	55.7	54.6	53.4	52.1	50.8	49.4	47.8	46.1	44.2	42.4	40.6
160°	49.6	48.8	47.8	46.7	45.5	44.2	42.9	41.5	40.0	38.4	36.7
162.5°	43.6	42.9	42.1	41.2	40.2	39.1	37.9	36.7	35.4	34.1	32.7
165°	37.5	36.9	36.3	35.6	34.8	33.9	32.9	31.8	30.7	29.6	28.4
167.5°	31.8	31.1	30.5	29.9	29.2	28.5	27.8	27.0	26.0	25.1	24.1
170°	26.1	25.5	24.9	24.3	23.7	23.1	22.5	21.8	21.2	20.4	19.7
172.5°	20.4	19.9	19.5	19.0	18.6	18.0	17.5	16.9	16.3	15.7	15.1
175°	14.7	14.4	14.1	13.8	13.4	13.1	12.7	12.3	11.9	11.5	11.1
177.5°	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.4	7.2	7.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	6.8	6.6	6.3	6.1	5.9	5.6	5.4	5.1	4.9	4.6	4.3
5°	10.6	10.2	9.7	9.2	8.7	8.2	7.7	7.1	6.6	6.1	5.5
7.5°	14.5	13.9	13.2	12.6	11.9	11.2	10.4	9.7	8.9	8.2	7.4
10°	18.9	18.0	17.1	16.2	15.3	14.3	13.3	12.3	11.3	10.3	9.2
12.5°	23.1	22.0	20.9	19.7	18.6	17.4	16.2	14.9	13.6	12.4	11.1
15°	27.2	25.9	24.6	23.2	21.8	20.4	18.9	17.4	15.8	14.3	12.7
17.5°	31.2	29.6	28.0	26.4	24.8	23.1	21.4	19.7	18.0	16.2	14.5
20°	34.9	33.2	31.5	29.7	27.9	26.0	24.1	22.1	20.1	18.1	16.1
22.5°	38.8	36.9	35.0	32.9	30.8	28.6	26.5	24.3	22.1	19.8	17.6
25°	42.6	40.4	38.1	35.8	33.5	31.1	28.8	26.4	23.9	21.5	19.0
27.5°	46.1	43.7	41.2	38.7	36.1	33.6	31.0	28.4	25.8	23.1	20.5
30°	49.5	46.8	44.2	41.4	38.7	35.9	33.1	30.3	27.5	24.6	21.7
32.5°	52.9	49.9	47.1	44.1	41.2	38.2	35.0	31.9	28.8	25.7	22.6
35°	56.2	53.0	49.9	46.6	43.2	39.9	36.5	33.2	29.9	26.6	23.5
37.5°	59.2	55.8	52.2	48.6	44.9	41.3	37.8	34.6	31.3	28.0	24.5
40°	61.9	58.2	54.4	50.5	46.7	43.1	39.7	35.9	32.0	28.3	24.8
42.5°	64.7	60.6	56.5	52.7	49.0	44.8	40.4	36.3	32.5	28.9	25.3
45°	67.3	63.0	59.1	55.0	50.4	45.8	41.5	37.1	33.2	29.4	25.7
47.5°	70.0	65.9	61.4	56.6	51.9	47.2	42.7	38.2	33.7	29.8	26.1
50°	73.0	68.4	63.4	58.4	53.4	48.7	43.9	39.0	34.4	30.3	26.7
52.5°	75.8	70.7	65.3	60.1	55.1	49.9	44.7	40.0	35.6	31.2	26.9
55°	78.5	72.8	67.3	62.1	56.4	50.8	45.8	41.0	36.3	31.7	27.4
57.5°	81.8	75.1	69.6	63.5	57.4	52.0	46.9	41.8	37.0	32.4	27.8
60°	85.0	77.9	71.2	64.7	58.7	53.2	47.9	42.6	37.4	32.3	27.8
62.5°	87.6	79.7	72.1	65.6	59.9	54.6	48.7	42.9	37.3	32.4	27.8
65°	89.6	80.8	73.0	66.1	60.2	54.6	49.0	42.8	37.3	31.9	26.6
67.5°	91.1	81.9	73.6	66.4	59.8	53.6	47.7	42.6	36.8	30.9	25.6
70°	92.5	82.7	74.1	66.3	59.2	52.2	46.1	40.5	35.3	29.8	24.2
72.5°	93.8	83.6	74.4	66.1	58.3	50.9	44.2	38.3	32.5	27.5	22.9
75°	95.4	84.5	74.7	65.8	57.3	49.4	42.5	35.8	29.6	24.6	21.0
77.5°	97.3	85.6	75.1	65.5	56.5	48.0	41.0	33.2	27.2	22.5	18.6
80°	99.3	86.9	75.6	65.0	55.0	46.4	38.8	31.3	25.3	20.4	16.0
82.5°	101.6	88.5	76.2	64.6	53.7	44.5	36.4	29.5	23.8	18.5	13.5
85°	104.2	90.4	77.1	64.5	52.7	42.9	34.8	28.2	23.1	18.2	13.3
87.5°	107.4	92.8	78.5	65.0	52.2	41.7	34.0	27.5	22.9	18.9	14.3
90°	111.3	95.9	80.6	66.1	52.4	41.1	33.9	27.4	23.4	20.2	16.1
92.5°	107.4	92.8	78.5	65.0	52.2	41.7	34.0	27.5	22.9	18.9	14.3
95°	104.2	90.4	77.1	64.5	52.7	42.9	34.8	28.2	23.1	18.2	13.3
97.5°	101.6	88.5	76.2	64.6	53.7	44.5	36.4	29.5	23.8	18.5	13.5
100°	99.3	86.9	75.6	65.0	55.0	46.4	38.8	31.3	25.3	20.4	16.0
102.5°	97.3	85.6	75.1	65.5	56.5	48.0	41.0	33.2	27.2	22.5	18.6
105°	95.4	84.5	74.7	65.8	57.3	49.4	42.5	35.8	29.6	24.6	21.0
107.5°	93.8	83.6	74.4	66.1	58.3	50.9	44.2	38.3	32.5	27.5	22.9
110°	92.5	82.7	74.1	66.3	59.2	52.2	46.1	40.5	35.3	29.8	24.2



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-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°	91.1	81.9	73.6	66.4	59.8	53.6	47.7	42.6	36.8	30.9	25.6
115°	89.6	80.8	73.0	66.1	60.2	54.6	49.0	42.8	37.3	31.9	26.6
117.5°	87.6	79.7	72.1	65.6	59.9	54.6	48.7	42.9	37.3	32.4	27.8
120°	85.0	77.9	71.2	64.7	58.7	53.2	47.9	42.6	37.4	32.3	27.8
122.5°	81.8	75.1	69.6	63.5	57.4	52.0	46.9	41.8	37.0	32.4	27.8
125°	78.5	72.8	67.3	62.1	56.4	50.8	45.8	41.0	36.3	31.7	27.4
127.5°	75.8	70.7	65.3	60.1	55.1	49.9	44.7	40.0	35.6	31.2	26.9
130°	73.0	68.4	63.4	58.4	53.4	48.7	43.9	39.0	34.4	30.3	26.7
132.5°	70.0	65.9	61.4	56.6	51.9	47.2	42.7	38.2	33.7	29.8	26.1
135°	67.3	63.0	59.1	55.0	50.4	45.8	41.5	37.1	33.2	29.4	25.7
137.5°	64.7	60.6	56.5	52.7	49.0	44.8	40.4	36.3	32.5	28.9	25.3
140°	61.9	58.2	54.4	50.5	46.7	43.1	39.7	35.9	32.0	28.3	24.8
142.5°	59.2	55.8	52.2	48.6	44.9	41.3	37.8	34.6	31.3	28.0	24.5
145°	56.2	53.0	49.9	46.6	43.2	39.9	36.5	33.2	29.9	26.6	23.5
147.5°	52.9	49.9	47.1	44.1	41.2	38.2	35.0	31.9	28.8	25.7	22.6
150°	49.5	46.8	44.2	41.4	38.7	35.9	33.1	30.3	27.5	24.6	21.7
152.5°	46.1	43.7	41.2	38.7	36.1	33.6	31.0	28.4	25.8	23.1	20.5
155°	42.6	40.4	38.1	35.8	33.5	31.1	28.8	26.4	23.9	21.5	19.0
157.5°	38.8	36.9	35.0	32.9	30.8	28.6	26.5	24.3	22.1	19.8	17.6
160°	34.9	33.2	31.5	29.7	27.9	26.0	24.1	22.1	20.1	18.1	16.1
162.5°	31.2	29.6	28.0	26.4	24.8	23.1	21.4	19.7	18.0	16.2	14.5
165°	27.2	25.9	24.6	23.2	21.8	20.4	18.9	17.4	15.8	14.3	12.7
167.5°	23.1	22.0	20.9	19.7	18.6	17.4	16.2	14.9	13.6	12.4	11.1
170°	18.9	18.0	17.1	16.2	15.3	14.3	13.3	12.3	11.3	10.3	9.2
172.5°	14.5	13.9	13.2	12.6	11.9	11.2	10.4	9.7	8.9	8.2	7.4
175°	10.6	10.2	9.7	9.2	8.7	8.2	7.7	7.1	6.6	6.1	5.5
177.5°	6.8	6.6	6.3	6.1	5.9	5.6	5.4	5.1	4.9	4.6	4.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.1	3.8	3.5	3.2	3.0	2.7	2.4	2.7	3.0	3.2	3.5
5°	5.0	4.4	3.8	3.3	2.7	2.2	1.6	2.2	2.7	3.3	3.8
7.5°	6.6	5.7	4.9	4.1	3.3	2.4	1.6	2.4	3.3	4.1	4.9
10°	8.2	7.1	6.0	4.9	3.8	2.7	1.6	2.7	3.8	4.9	6.0
12.5°	9.7	8.4	7.1	5.7	4.3	3.0	1.6	3.0	4.3	5.7	7.1
15°	11.2	9.6	8.0	6.4	4.8	3.2	1.6	3.2	4.8	6.4	8.0
17.5°	12.7	10.9	9.0	7.2	5.3	3.5	1.6	3.5	5.3	7.2	9.0
20°	14.1	12.0	9.9	7.9	5.8	3.7	1.6	3.7	5.8	7.9	9.9
22.5°	15.3	13.1	10.8	8.5	6.2	3.9	1.6	3.9	6.2	8.5	10.8
25°	16.6	14.1	11.6	9.1	6.6	4.1	1.6	4.1	6.6	9.1	11.6
27.5°	17.8	15.1	12.4	9.7	7.0	4.3	1.6	4.3	7.0	9.7	12.4
30°	18.8	15.9	13.0	10.2	7.3	4.4	1.6	4.4	7.3	10.2	13.0
32.5°	19.6	16.5	13.5	10.5	7.5	4.6	1.6	4.6	7.5	10.5	13.5
35°	20.4	17.3	14.1	11.0	7.9	4.7	1.6	4.7	7.9	11.0	14.1
37.5°	21.1	17.7	14.4	11.2	7.9	4.8	1.6	4.8	7.9	11.2	14.4
40°	21.3	18.0	14.6	11.3	8.1	4.8	1.6	4.8	8.1	11.3	14.6
42.5°	21.8	18.3	14.9	11.5	8.2	4.9	1.6	4.9	8.2	11.5	14.9
45°	22.1	18.7	15.3	12.0	8.8	5.6	2.4	5.6	8.8	12.0	15.3
47.5°	22.5	19.1	15.8	12.4	9.1	5.7	2.4	5.7	9.1	12.4	15.8
50°	23.1	19.5	15.9	12.4	9.1	5.7	2.4	5.7	9.1	12.4	15.9
52.5°	23.1	19.6	16.1	12.6	9.2	5.8	2.4	5.8	9.2	12.6	16.1
55°	23.6	19.8	16.1	12.6	9.1	5.7	2.4	5.7	9.1	12.6	16.1
57.5°	23.5	19.7	16.1	12.6	9.2	5.8	2.4	5.8	9.2	12.6	16.1
60°	23.7	19.8	15.8	12.1	8.7	5.5	2.4	5.5	8.7	12.1	15.8
62.5°	23.0	18.5	14.9	11.5	8.4	5.3	2.4	5.3	8.4	11.5	14.9
65°	22.0	17.9	14.3	11.1	8.3	5.7	3.2	5.7	8.3	11.1	14.3
67.5°	20.9	16.8	13.3	10.3	7.4	4.8	2.4	4.8	7.4	10.3	13.3
70°	19.5	15.7	12.3	9.6	7.2	5.2	3.2	5.2	7.2	9.6	12.3
72.5°	18.5	14.9	11.8	8.7	6.5	4.7	3.2	4.7	6.5	8.7	11.8
75°	18.0	14.4	11.1	7.8	5.6	4.2	3.2	4.2	5.6	7.8	11.1
77.5°	15.9	14.4	10.3	6.0	2.1	0.4	0.0	0.4	2.1	6.0	10.3
80°	13.2	10.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
82.5°	9.8	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	8.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	7.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	9.8	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.2	10.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
102.5°	15.9	14.4	10.3	6.0	2.1	0.4	0.0	0.4	2.1	6.0	10.3
105°	18.0	14.4	11.1	7.8	5.6	4.2	3.2	4.2	5.6	7.8	11.1
107.5°	18.5	14.9	11.8	8.7	6.5	4.7	3.2	4.7	6.5	8.7	11.8
110°	19.5	15.7	12.3	9.6	7.2	5.2	3.2	5.2	7.2	9.6	12.3



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	20.9	16.8	13.3	10.3	7.4	4.8	2.4	4.8	7.4	10.3	13.3
115°	22.0	17.9	14.3	11.1	8.3	5.7	3.2	5.7	8.3	11.1	14.3
117.5°	23.0	18.5	14.9	11.5	8.4	5.3	2.4	5.3	8.4	11.5	14.9
120°	23.7	19.8	15.8	12.1	8.7	5.5	2.4	5.5	8.7	12.1	15.8
122.5°	23.5	19.7	16.1	12.6	9.2	5.8	2.4	5.8	9.2	12.6	16.1
125°	23.6	19.8	16.1	12.6	9.1	5.7	2.4	5.7	9.1	12.6	16.1
127.5°	23.1	19.6	16.1	12.6	9.2	5.8	2.4	5.8	9.2	12.6	16.1
130°	23.1	19.5	15.9	12.4	9.1	5.7	2.4	5.7	9.1	12.4	15.9
132.5°	22.5	19.1	15.8	12.4	9.1	5.7	2.4	5.7	9.1	12.4	15.8
135°	22.1	18.7	15.3	12.0	8.8	5.6	2.4	5.6	8.8	12.0	15.3
137.5°	21.8	18.3	14.9	11.5	8.2	4.9	1.6	4.9	8.2	11.5	14.9
140°	21.3	18.0	14.6	11.3	8.1	4.8	1.6	4.8	8.1	11.3	14.6
142.5°	21.1	17.7	14.4	11.2	7.9	4.8	1.6	4.8	7.9	11.2	14.4
145°	20.4	17.3	14.1	11.0	7.9	4.7	1.6	4.7	7.9	11.0	14.1
147.5°	19.6	16.5	13.5	10.5	7.5	4.6	1.6	4.6	7.5	10.5	13.5
150°	18.8	15.9	13.0	10.2	7.3	4.4	1.6	4.4	7.3	10.2	13.0
152.5°	17.8	15.1	12.4	9.7	7.0	4.3	1.6	4.3	7.0	9.7	12.4
155°	16.6	14.1	11.6	9.1	6.6	4.1	1.6	4.1	6.6	9.1	11.6
157.5°	15.3	13.1	10.8	8.5	6.2	3.9	1.6	3.9	6.2	8.5	10.8
160°	14.1	12.0	9.9	7.9	5.8	3.7	1.6	3.7	5.8	7.9	9.9
162.5°	12.7	10.9	9.0	7.2	5.3	3.5	1.6	3.5	5.3	7.2	9.0
165°	11.2	9.6	8.0	6.4	4.8	3.2	1.6	3.2	4.8	6.4	8.0
167.5°	9.7	8.4	7.1	5.7	4.3	3.0	1.6	3.0	4.3	5.7	7.1
170°	8.2	7.1	6.0	4.9	3.8	2.7	1.6	2.7	3.8	4.9	6.0
172.5°	6.6	5.7	4.9	4.1	3.3	2.4	1.6	2.4	3.3	4.1	4.9
175°	5.0	4.4	3.8	3.3	2.7	2.2	1.6	2.2	2.7	3.3	3.8
177.5°	4.1	3.8	3.5	3.2	3.0	2.7	2.4	2.7	3.0	3.2	3.5
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.8	4.1	4.3	4.6	4.9	5.1	5.4	5.6	5.9	6.1	6.3
5°	4.4	5.0	5.5	6.1	6.6	7.1	7.7	8.2	8.7	9.2	9.7
7.5°	5.7	6.6	7.4	8.2	8.9	9.7	10.4	11.2	11.9	12.6	13.2
10°	7.1	8.2	9.2	10.3	11.3	12.3	13.3	14.3	15.3	16.2	17.1
12.5°	8.4	9.7	11.1	12.4	13.6	14.9	16.2	17.4	18.6	19.7	20.9
15°	9.6	11.2	12.7	14.3	15.8	17.4	18.9	20.4	21.8	23.2	24.6
17.5°	10.9	12.7	14.5	16.2	18.0	19.7	21.4	23.1	24.8	26.4	28.0
20°	12.0	14.1	16.1	18.1	20.1	22.1	24.1	26.0	27.9	29.7	31.5
22.5°	13.1	15.3	17.6	19.8	22.1	24.3	26.5	28.6	30.8	32.9	35.0
25°	14.1	16.6	19.0	21.5	23.9	26.4	28.8	31.1	33.5	35.8	38.1
27.5°	15.1	17.8	20.5	23.1	25.8	28.4	31.0	33.6	36.1	38.7	41.2
30°	15.9	18.8	21.7	24.6	27.5	30.3	33.1	35.9	38.7	41.4	44.2
32.5°	16.5	19.6	22.6	25.7	28.8	31.9	35.0	38.2	41.2	44.1	47.1
35°	17.3	20.4	23.5	26.6	29.9	33.2	36.5	39.9	43.2	46.6	49.9
37.5°	17.7	21.1	24.5	28.0	31.3	34.6	37.8	41.3	44.9	48.6	52.2
40°	18.0	21.3	24.8	28.3	32.0	35.9	39.7	43.1	46.7	50.5	54.4
42.5°	18.3	21.8	25.3	28.9	32.5	36.3	40.4	44.8	49.0	52.7	56.5
45°	18.7	22.1	25.7	29.4	33.2	37.1	41.5	45.8	50.4	55.0	59.1
47.5°	19.1	22.5	26.1	29.8	33.7	38.2	42.7	47.2	51.9	56.6	61.4
50°	19.5	23.1	26.7	30.3	34.4	39.0	43.9	48.7	53.4	58.4	63.4
52.5°	19.6	23.1	26.9	31.2	35.6	40.0	44.7	49.9	55.1	60.1	65.3
55°	19.8	23.6	27.4	31.7	36.3	41.0	45.8	50.8	56.4	62.1	67.3
57.5°	19.7	23.5	27.8	32.4	37.0	41.8	46.9	52.0	57.4	63.5	69.6
60°	19.8	23.7	27.8	32.3	37.4	42.6	47.9	53.2	58.7	64.7	71.2
62.5°	18.5	23.0	27.8	32.4	37.3	42.9	48.7	54.6	59.9	65.6	72.1
65°	17.9	22.0	26.6	31.9	37.3	42.8	49.0	54.6	60.2	66.1	73.0
67.5°	16.8	20.9	25.6	30.9	36.8	42.6	47.7	53.6	59.8	66.4	73.6
70°	15.7	19.5	24.2	29.8	35.3	40.5	46.1	52.2	59.2	66.3	74.1
72.5°	14.9	18.5	22.9	27.5	32.5	38.3	44.2	50.9	58.3	66.1	74.4
75°	14.4	18.0	21.0	24.6	29.6	35.8	42.5	49.4	57.3	65.8	74.7
77.5°	14.4	15.9	18.6	22.5	27.2	33.2	41.0	48.0	56.5	65.5	75.1
80°	10.9	13.2	16.0	20.4	25.3	31.3	38.8	46.4	55.0	65.0	75.6
82.5°	6.2	9.8	13.5	18.5	23.8	29.5	36.4	44.5	53.7	64.6	76.2
85°	2.2	7.9	13.3	18.2	23.1	28.2	34.8	42.9	52.7	64.5	77.1
87.5°	0.7	8.4	14.3	18.9	22.9	27.5	34.0	41.7	52.2	65.0	78.5
90°	0.0	9.7	16.1	20.2	23.4	27.4	33.9	41.1	52.4	66.1	80.6
92.5°	0.7	8.4	14.3	18.9	22.9	27.5	34.0	41.7	52.2	65.0	78.5
95°	2.2	7.9	13.3	18.2	23.1	28.2	34.8	42.9	52.7	64.5	77.1
97.5°	6.2	9.8	13.5	18.5	23.8	29.5	36.4	44.5	53.7	64.6	76.2
100°	10.9	13.2	16.0	20.4	25.3	31.3	38.8	46.4	55.0	65.0	75.6
102.5°	14.4	15.9	18.6	22.5	27.2	33.2	41.0	48.0	56.5	65.5	75.1
105°	14.4	18.0	21.0	24.6	29.6	35.8	42.5	49.4	57.3	65.8	74.7
107.5°	14.9	18.5	22.9	27.5	32.5	38.3	44.2	50.9	58.3	66.1	74.4
110°	15.7	19.5	24.2	29.8	35.3	40.5	46.1	52.2	59.2	66.3	74.1



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-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°	16.8	20.9	25.6	30.9	36.8	42.6	47.7	53.6	59.8	66.4	73.6
115°	17.9	22.0	26.6	31.9	37.3	42.8	49.0	54.6	60.2	66.1	73.0
117.5°	18.5	23.0	27.8	32.4	37.3	42.9	48.7	54.6	59.9	65.6	72.1
120°	19.8	23.7	27.8	32.3	37.4	42.6	47.9	53.2	58.7	64.7	71.2
122.5°	19.7	23.5	27.8	32.4	37.0	41.8	46.9	52.0	57.4	63.5	69.6
125°	19.8	23.6	27.4	31.7	36.3	41.0	45.8	50.8	56.4	62.1	67.3
127.5°	19.6	23.1	26.9	31.2	35.6	40.0	44.7	49.9	55.1	60.1	65.3
130°	19.5	23.1	26.7	30.3	34.4	39.0	43.9	48.7	53.4	58.4	63.4
132.5°	19.1	22.5	26.1	29.8	33.7	38.2	42.7	47.2	51.9	56.6	61.4
135°	18.7	22.1	25.7	29.4	33.2	37.1	41.5	45.8	50.4	55.0	59.1
137.5°	18.3	21.8	25.3	28.9	32.5	36.3	40.4	44.8	49.0	52.7	56.5
140°	18.0	21.3	24.8	28.3	32.0	35.9	39.7	43.1	46.7	50.5	54.4
142.5°	17.7	21.1	24.5	28.0	31.3	34.6	37.8	41.3	44.9	48.6	52.2
145°	17.3	20.4	23.5	26.6	29.9	33.2	36.5	39.9	43.2	46.6	49.9
147.5°	16.5	19.6	22.6	25.7	28.8	31.9	35.0	38.2	41.2	44.1	47.1
150°	15.9	18.8	21.7	24.6	27.5	30.3	33.1	35.9	38.7	41.4	44.2
152.5°	15.1	17.8	20.5	23.1	25.8	28.4	31.0	33.6	36.1	38.7	41.2
155°	14.1	16.6	19.0	21.5	23.9	26.4	28.8	31.1	33.5	35.8	38.1
157.5°	13.1	15.3	17.6	19.8	22.1	24.3	26.5	28.6	30.8	32.9	35.0
160°	12.0	14.1	16.1	18.1	20.1	22.1	24.1	26.0	27.9	29.7	31.5
162.5°	10.9	12.7	14.5	16.2	18.0	19.7	21.4	23.1	24.8	26.4	28.0
165°	9.6	11.2	12.7	14.3	15.8	17.4	18.9	20.4	21.8	23.2	24.6
167.5°	8.4	9.7	11.1	12.4	13.6	14.9	16.2	17.4	18.6	19.7	20.9
170°	7.1	8.2	9.2	10.3	11.3	12.3	13.3	14.3	15.3	16.2	17.1
172.5°	5.7	6.6	7.4	8.2	8.9	9.7	10.4	11.2	11.9	12.6	13.2
175°	4.4	5.0	5.5	6.1	6.6	7.1	7.7	8.2	8.7	9.2	9.7
177.5°	3.8	4.1	4.3	4.6	4.9	5.1	5.4	5.6	5.9	6.1	6.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.1	8.3	8.4
5°	10.2	10.6	11.1	11.5	11.9	12.3	12.7	13.1	13.4	13.8	14.1
7.5°	13.9	14.5	15.1	15.7	16.3	16.9	17.5	18.0	18.6	19.0	19.5
10°	18.0	18.9	19.7	20.4	21.2	21.8	22.5	23.1	23.7	24.3	24.9
12.5°	22.0	23.1	24.1	25.1	26.0	27.0	27.8	28.5	29.2	29.9	30.5
15°	25.9	27.2	28.4	29.6	30.7	31.8	32.9	33.9	34.8	35.6	36.3
17.5°	29.6	31.2	32.7	34.1	35.4	36.7	37.9	39.1	40.2	41.2	42.1
20°	33.2	34.9	36.7	38.4	40.0	41.5	42.9	44.2	45.5	46.7	47.8
22.5°	36.9	38.8	40.6	42.4	44.2	46.1	47.8	49.4	50.8	52.1	53.4
25°	40.4	42.6	44.8	46.7	48.6	50.4	52.4	54.3	56.0	57.5	60.4
27.5°	43.7	46.1	48.5	50.8	53.1	55.0	58.1	61.7	65.7	69.8	73.7
30°	46.8	49.5	52.1	55.0	58.4	62.0	65.9	70.3	75.1	80.2	85.5
32.5°	49.9	52.9	56.0	59.5	63.2	67.4	71.9	77.0	82.8	89.1	95.7
35°	53.0	56.2	59.5	63.0	67.0	71.6	76.7	82.2	88.9	96.4	104.4
37.5°	55.8	59.2	62.6	66.3	70.2	74.9	80.4	86.7	93.4	102.2	111.7
40°	58.2	61.9	65.6	69.3	73.4	77.8	83.5	90.1	97.8	106.4	117.6
42.5°	60.6	64.7	68.6	72.4	76.5	81.0	86.0	93.1	101.2	110.5	122.2
45°	63.0	67.3	71.6	75.6	79.6	84.0	89.3	95.3	104.2	114.2	125.5
47.5°	65.9	70.0	74.4	78.9	82.9	87.3	92.2	98.4	106.7	117.1	129.5
50°	68.4	73.0	77.3	81.9	86.5	90.7	95.6	101.7	109.7	121.3	133.7
52.5°	70.7	75.8	80.5	85.0	89.9	96.3	102.1	108.6	116.5	126.5	138.4
55°	72.8	78.5	84.0	90.6	98.0	105.6	110.7	116.5	123.5	132.2	143.8
57.5°	75.1	81.8	89.1	96.9	105.6	114.1	120.5	125.0	130.7	139.2	150.0
60°	77.9	85.0	93.1	101.9	111.8	122.1	130.9	134.2	139.3	146.8	156.7
62.5°	79.7	87.6	96.4	106.2	117.0	129.5	140.0	144.7	148.3	154.5	163.7
65°	80.8	89.6	99.2	109.7	121.6	135.4	148.2	155.7	157.7	162.5	171.3
67.5°	81.9	91.1	101.6	113.0	125.8	140.6	156.3	167.2	167.5	171.2	179.5
70°	82.7	92.5	103.6	116.1	129.5	145.2	163.9	177.3	178.5	180.2	185.9
72.5°	83.6	93.8	105.2	118.9	133.2	148.9	165.7	177.9	180.0	180.5	185.6
75°	84.5	95.4	107.3	121.1	135.8	150.5	164.4	175.6	180.0	180.6	185.4
77.5°	85.6	97.3	109.8	123.6	138.8	153.3	164.9	174.1	179.6	180.6	185.4
80°	86.9	99.3	112.5	126.4	142.0	157.0	166.8	173.2	178.9	180.6	185.6
82.5°	88.5	101.6	115.7	129.9	145.6	161.7	169.8	172.8	178.0	180.5	185.9
85°	90.4	104.2	119.3	133.8	149.7	167.0	173.6	172.7	176.9	180.5	186.4
87.5°	92.8	107.4	123.4	138.3	154.3	172.9	177.9	172.9	175.9	180.5	187.0
90°	95.9	111.3	128.2	143.5	159.6	179.0	182.2	173.3	174.9	180.6	187.8
92.5°	92.8	107.4	123.4	138.3	154.3	172.9	177.9	172.9	175.9	180.5	187.0
95°	90.4	104.2	119.3	133.8	149.7	167.0	173.6	172.7	176.9	180.5	186.4
97.5°	88.5	101.6	115.7	129.9	145.6	161.7	169.8	172.8	178.0	180.5	185.9
100°	86.9	99.3	112.5	126.4	142.0	157.0	166.8	173.2	178.9	180.6	185.6
102.5°	85.6	97.3	109.8	123.6	138.8	153.3	164.9	174.1	179.6	180.6	185.4
105°	84.5	95.4	107.3	121.1	135.8	150.5	164.4	175.6	180.0	180.6	185.4
107.5°	83.6	93.8	105.2	118.9	133.2	148.9	165.7	177.9	180.0	180.5	185.6
110°	82.7	92.5	103.6	116.1	129.5	145.2	163.9	177.3	178.5	180.2	185.9



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	81.9	91.1	101.6	113.0	125.8	140.6	156.3	167.2	167.5	171.2	179.5
115°	80.8	89.6	99.2	109.7	121.6	135.4	148.2	155.7	157.7	162.5	171.3
117.5°	79.7	87.6	96.4	106.2	117.0	129.5	140.0	144.7	148.3	154.5	163.7
120°	77.9	85.0	93.1	101.9	111.8	122.1	130.9	134.2	139.3	146.8	156.7
122.5°	75.1	81.8	89.1	96.9	105.6	114.1	120.5	125.0	130.7	139.2	150.0
125°	72.8	78.5	84.0	90.6	98.0	105.6	110.7	116.5	123.5	132.2	143.8
127.5°	70.7	75.8	80.5	85.0	89.9	96.3	102.1	108.6	116.5	126.5	138.4
130°	68.4	73.0	77.3	81.9	86.5	90.7	95.6	101.7	109.7	121.3	133.7
132.5°	65.9	70.0	74.4	78.9	82.9	87.3	92.2	98.4	106.7	117.1	129.5
135°	63.0	67.3	71.6	75.6	79.6	84.0	89.3	95.3	104.2	114.2	125.5
137.5°	60.6	64.7	68.6	72.4	76.5	81.0	86.0	93.1	101.2	110.5	122.2
140°	58.2	61.9	65.6	69.3	73.4	77.8	83.5	90.1	97.8	106.4	117.6
142.5°	55.8	59.2	62.6	66.3	70.2	74.9	80.4	86.7	93.4	102.2	111.7
145°	53.0	56.2	59.5	63.0	67.0	71.6	76.7	82.2	88.9	96.4	104.4
147.5°	49.9	52.9	56.0	59.5	63.2	67.4	71.9	77.0	82.8	89.1	95.7
150°	46.8	49.5	52.1	55.0	58.4	62.0	65.9	70.3	75.1	80.2	85.5
152.5°	43.7	46.1	48.5	50.8	53.1	55.0	58.1	61.7	65.7	69.8	73.7
155°	40.4	42.6	44.8	46.7	48.6	50.4	52.4	54.3	56.0	57.5	60.4
157.5°	36.9	38.8	40.6	42.4	44.2	46.1	47.8	49.4	50.8	52.1	53.4
160°	33.2	34.9	36.7	38.4	40.0	41.5	42.9	44.2	45.5	46.7	47.8
162.5°	29.6	31.2	32.7	34.1	35.4	36.7	37.9	39.1	40.2	41.2	42.1
165°	25.9	27.2	28.4	29.6	30.7	31.8	32.9	33.9	34.8	35.6	36.3
167.5°	22.0	23.1	24.1	25.1	26.0	27.0	27.8	28.5	29.2	29.9	30.5
170°	18.0	18.9	19.7	20.4	21.2	21.8	22.5	23.1	23.7	24.3	24.9
172.5°	13.9	14.5	15.1	15.7	16.3	16.9	17.5	18.0	18.6	19.0	19.5
175°	10.2	10.6	11.1	11.5	11.9	12.3	12.7	13.1	13.4	13.8	14.1
177.5°	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.1	8.3	8.4
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.3	10.2
5°	14.4	14.7	15.0	15.2	15.4	15.6	15.8	16.0	16.1	16.2	18.0
7.5°	19.9	20.4	20.8	21.2	21.6	22.0	22.3	22.6	22.9	23.1	25.7
10°	25.5	26.1	26.5	27.0	27.6	28.1	28.7	29.2	29.6	30.0	33.4
12.5°	31.1	31.8	32.4	32.9	33.4	34.1	34.9	35.6	36.3	36.9	41.0
15°	36.9	37.5	38.2	38.9	39.5	40.0	41.0	42.0	42.9	43.8	48.6
17.5°	42.9	43.6	44.1	44.8	45.5	46.2	47.0	48.3	49.5	50.7	56.2
20°	48.8	49.6	50.3	50.8	51.6	52.3	52.9	54.5	56.1	57.6	63.7
22.5°	54.6	55.7	56.4	57.0	57.7	58.4	59.1	60.6	62.6	64.5	71.2
25°	63.4	66.4	69.2	71.7	74.0	76.5	79.1	81.9	85.3	88.4	96.2
27.5°	77.6	81.5	85.4	88.9	92.2	95.6	99.5	103.3	108.0	112.3	121.4
30°	90.5	95.6	100.5	105.4	109.8	114.0	119.3	124.5	130.5	136.2	146.6
32.5°	102.3	108.6	114.8	120.9	126.7	132.1	138.7	145.5	152.9	160.1	171.9
35°	112.7	120.5	128.3	135.7	143.0	149.8	157.5	166.1	175.2	184.1	197.3
37.5°	121.6	131.4	140.8	149.8	159.0	167.0	175.9	186.5	197.3	208.0	222.8
40°	129.3	141.2	152.4	163.3	173.7	183.7	193.8	206.5	219.3	231.9	248.3
42.5°	135.9	149.7	163.2	176.6	188.2	200.1	211.7	226.3	241.2	255.8	273.8
45°	141.3	157.3	173.3	188.1	202.3	216.0	229.1	245.8	263.0	279.7	299.4
47.5°	145.4	162.5	178.7	193.4	207.5	221.1	235.0	252.4	271.6	291.2	312.3
50°	147.6	164.4	180.1	195.0	209.4	223.9	239.4	258.3	279.9	302.6	325.0
52.5°	151.4	167.1	182.3	196.9	211.4	226.6	243.6	264.0	288.0	314.1	337.7
55°	156.7	170.9	185.4	199.3	213.6	229.4	247.6	269.7	296.1	325.6	350.4
57.5°	162.3	175.7	189.3	202.0	216.2	232.3	251.5	275.2	304.0	337.0	363.0
60°	168.4	181.3	194.3	205.5	219.0	235.2	255.4	280.7	311.9	348.5	375.7
62.5°	174.9	187.7	199.1	209.6	222.2	238.2	259.1	286.1	319.7	360.0	388.3
65°	182.1	194.5	205.0	214.3	225.6	241.3	262.8	291.5	327.4	371.4	400.8
67.5°	189.7	201.5	211.5	219.4	229.2	244.5	266.4	296.9	335.2	382.9	413.4
70°	194.2	204.0	212.7	219.1	227.7	242.2	263.9	294.6	333.0	381.9	417.3
72.5°	193.4	202.0	210.5	216.8	225.0	239.4	261.1	292.2	330.9	380.9	421.2
75°	193.0	200.5	208.5	214.6	222.4	236.6	258.4	290.0	328.8	380.0	426.7
77.5°	192.9	199.2	206.7	212.5	219.9	234.0	255.9	287.9	326.8	379.0	430.3
80°	193.1	198.3	205.0	210.5	217.6	231.5	253.5	285.9	325.0	378.0	433.9
82.5°	193.6	197.7	203.4	208.6	215.4	229.2	251.4	284.2	323.2	377.0	437.5
85°	194.3	197.2	201.9	206.7	213.3	227.1	249.4	282.5	321.5	376.1	441.0
87.5°	195.0	196.9	200.4	204.9	211.4	225.1	247.5	281.0	319.9	375.1	444.6
90°	195.9	196.7	199.1	203.2	209.6	223.3	245.9	279.7	318.4	374.1	448.2
92.5°	195.0	196.9	200.4	204.9	211.4	225.1	247.5	281.0	319.9	375.1	444.6
95°	194.3	197.2	201.9	206.7	213.3	227.1	249.4	282.5	321.5	376.1	441.0
97.5°	193.6	197.7	203.4	208.6	215.4	229.2	251.4	284.2	323.2	377.0	437.5
100°	193.1	198.3	205.0	210.5	217.6	231.5	253.5	285.9	325.0	378.0	433.9
102.5°	192.9	199.2	206.7	212.5	219.9	234.0	255.9	287.9	326.8	379.0	430.3
105°	193.0	200.5	208.5	214.6	222.4	236.6	258.4	290.0	328.8	380.0	426.7
107.5°	193.4	202.0	210.5	216.8	225.0	239.4	261.1	292.2	330.9	380.9	421.2
110°	194.2	204.0	212.7	219.1	227.7	242.2	263.9	294.6	333.0	381.9	417.3



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-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°	189.7	201.5	211.5	219.4	229.2	244.5	266.4	296.9	335.2	382.9	413.4
115°	182.1	194.5	205.0	214.3	225.6	241.3	262.8	291.5	327.4	371.4	400.8
117.5°	174.9	187.7	199.1	209.6	222.2	238.2	259.1	286.1	319.7	360.0	388.3
120°	168.4	181.3	194.3	205.5	219.0	235.2	255.4	280.7	311.9	348.5	375.7
122.5°	162.3	175.7	189.3	202.0	216.2	232.3	251.5	275.2	304.0	337.0	363.0
125°	156.7	170.9	185.4	199.3	213.6	229.4	247.6	269.7	296.1	325.6	350.4
127.5°	151.4	167.1	182.3	196.9	211.4	226.6	243.6	264.0	288.0	314.1	337.7
130°	147.6	164.4	180.1	195.0	209.4	223.9	239.4	258.3	279.9	302.6	325.0
132.5°	145.4	162.5	178.7	193.4	207.5	221.1	235.0	252.4	271.6	291.2	312.3
135°	141.3	157.3	173.3	188.1	202.3	216.0	229.1	245.8	263.0	279.7	299.4
137.5°	135.9	149.7	163.2	176.6	188.2	200.1	211.7	226.3	241.2	255.8	273.8
140°	129.3	141.2	152.4	163.3	173.7	183.7	193.8	206.5	219.3	231.9	248.3
142.5°	121.6	131.4	140.8	149.8	159.0	167.0	175.9	186.5	197.3	208.0	222.8
145°	112.7	120.5	128.3	135.7	143.0	149.8	157.5	166.1	175.2	184.1	197.3
147.5°	102.3	108.6	114.8	120.9	126.7	132.1	138.7	145.5	152.9	160.1	171.9
150°	90.5	95.6	100.5	105.4	109.8	114.0	119.3	124.5	130.5	136.2	146.6
152.5°	77.6	81.5	85.4	88.9	92.2	95.6	99.5	103.3	108.0	112.3	121.4
155°	63.4	66.4	69.2	71.7	74.0	76.5	79.1	81.9	85.3	88.4	96.2
157.5°	54.6	55.7	56.4	57.0	57.7	58.4	59.1	60.6	62.6	64.5	71.2
160°	48.8	49.6	50.3	50.8	51.6	52.3	52.9	54.5	56.1	57.6	63.7
162.5°	42.9	43.6	44.1	44.8	45.5	46.2	47.0	48.3	49.5	50.7	56.2
165°	36.9	37.5	38.2	38.9	39.5	40.0	41.0	42.0	42.9	43.8	48.6
167.5°	31.1	31.8	32.4	32.9	33.4	34.1	34.9	35.6	36.3	36.9	41.0
170°	25.5	26.1	26.5	27.0	27.6	28.1	28.7	29.2	29.6	30.0	33.4
172.5°	19.9	20.4	20.8	21.2	21.6	22.0	22.3	22.6	22.9	23.1	25.7
175°	14.4	14.7	15.0	15.2	15.4	15.6	15.8	16.0	16.1	16.2	18.0
177.5°	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.3	10.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	11.1	11.9	12.8	13.6	14.4	15.2	15.9	16.7	17.4	18.1	18.7
5°	19.7	21.4	23.0	24.6	26.2	27.8	29.2	30.7	32.1	33.4	34.7
7.5°	28.2	30.7	33.1	35.5	37.8	40.1	42.4	45.3	48.0	50.6	53.2
10°	36.7	39.9	43.1	46.2	49.5	53.5	57.4	61.2	64.9	68.4	72.0
12.5°	45.1	49.0	52.9	57.3	62.5	67.5	72.5	77.3	82.0	86.7	91.4
15°	53.4	58.0	62.8	69.3	75.6	81.7	87.7	93.3	98.9	104.3	110.3
17.5°	61.6	66.9	73.8	81.3	88.7	95.7	102.1	108.4	114.5	120.5	126.3
20°	69.8	75.9	84.7	93.4	101.8	108.7	115.6	122.4	129.3	136.0	142.5
22.5°	77.8	85.7	95.7	105.6	113.6	120.9	128.1	135.9	143.6	150.9	158.0
25°	103.5	112.6	122.5	131.3	137.6	143.4	149.3	155.0	160.1	164.4	171.7
27.5°	129.9	140.6	151.4	159.7	166.4	172.8	178.9	184.4	188.7	192.7	196.5
30°	156.5	168.5	180.3	187.9	195.6	201.5	207.4	211.9	216.0	219.8	223.5
32.5°	183.5	196.3	207.7	215.9	223.1	229.2	234.3	238.2	242.0	245.7	251.1
35°	210.4	224.0	235.1	243.7	250.4	256.6	260.0	263.5	267.0	271.4	278.5
37.5°	237.3	251.6	262.4	271.3	276.9	281.5	284.7	287.7	291.2	294.4	305.0
40°	264.0	279.0	289.5	297.7	302.8	306.0	308.4	311.0	315.4	321.9	332.6
42.5°	290.6	306.1	316.4	323.5	327.9	329.6	331.4	333.2	339.0	347.3	358.7
45°	317.2	332.6	343.2	348.8	351.7	352.4	353.5	356.2	361.2	372.1	385.0
47.5°	333.3	352.4	367.2	375.3	380.2	382.0	381.7	381.1	384.7	396.5	410.6
50°	349.3	372.2	391.2	403.9	414.3	423.0	430.4	438.8	446.5	451.4	454.0
52.5°	365.7	392.9	416.0	434.3	451.1	467.8	485.0	502.6	518.4	527.2	528.5
55°	382.5	414.2	442.1	466.4	490.4	516.0	544.2	571.6	593.8	604.5	596.5
57.5°	399.6	436.1	469.2	500.3	532.2	567.4	607.7	644.2	669.5	676.6	658.4
60°	416.9	458.5	497.3	535.8	577.0	622.1	675.0	720.2	746.3	740.7	717.3
62.5°	434.5	481.4	526.3	572.8	623.9	681.2	745.3	799.1	824.1	800.3	772.7
65°	452.3	504.6	556.0	610.9	672.5	742.8	817.1	876.0	901.9	855.9	824.9
67.5°	470.2	528.2	586.2	650.1	722.6	806.3	890.6	951.5	963.5	910.0	874.3
70°	473.9	533.4	595.1	664.2	743.8	837.8	931.1	999.3	1007.9	960.9	922.9
72.5°	476.8	537.0	600.6	671.5	752.5	847.4	936.6	1001.0	1006.4	974.6	944.3
75°	479.3	540.3	605.8	678.2	760.1	855.1	939.8	1002.9	1010.6	991.6	962.4
77.5°	481.5	543.2	610.6	684.2	766.6	861.0	940.8	1004.7	1019.7	1011.4	980.5
80°	484.9	545.7	614.9	689.4	771.9	865.1	939.9	1006.2	1032.5	1033.4	998.8
82.5°	485.8	549.5	621.2	693.9	776.2	867.6	937.2	1007.2	1047.9	1057.0	1017.5
85°	486.7	550.4	623.2	699.1	781.3	871.1	934.9	1010.1	1064.9	1081.7	1036.9
87.5°	487.6	551.3	625.2	701.1	782.1	868.9	927.8	1007.3	1083.0	1107.2	1056.6
90°	488.5	552.2	627.2	703.0	782.8	866.6	920.6	1004.5	1098.8	1131.9	1078.6
92.5°	487.6	551.3	625.2	701.1	782.1	868.9	927.8	1007.3	1083.0	1107.2	1056.6
95°	486.7	550.4	623.2	699.1	781.3	871.1	934.9	1010.1	1064.9	1081.7	1036.9
97.5°	485.8	549.5	621.2	693.9	776.2	867.6	937.2	1007.2	1047.9	1057.0	1017.5
100°	484.9	545.7	614.9	689.4	771.9	865.1	939.9	1006.2	1032.5	1033.4	998.8
102.5°	481.5	543.2	610.6	684.2	766.6	861.0	940.8	1004.7	1019.7	1011.4	980.5
105°	479.3	540.3	605.8	678.2	760.1	855.1	939.8	1002.9	1010.6	991.6	962.4
107.5°	476.8	537.0	600.6	671.5	752.5	847.4	936.6	1001.0	1006.4	974.6	944.3
110°	473.9	533.4	595.1	664.2	743.8	837.8	931.1	999.3	1007.9	960.9	922.9



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	470.2	528.2	586.2	650.1	722.6	806.3	890.6	951.5	963.5	910.0	874.3
115°	452.3	504.6	556.0	610.9	672.5	742.8	817.1	876.0	901.9	855.9	824.9
117.5°	434.5	481.4	526.3	572.8	623.9	681.2	745.3	799.1	824.1	800.3	772.7
120°	416.9	458.5	497.3	535.8	577.0	622.1	675.0	720.2	746.3	740.7	717.3
122.5°	399.6	436.1	469.2	500.3	532.2	567.4	607.7	644.2	669.5	676.6	658.4
125°	382.5	414.2	442.1	466.4	490.4	516.0	544.2	571.6	593.8	604.5	596.5
127.5°	365.7	392.9	416.0	434.3	451.1	467.8	485.0	502.6	518.4	527.2	528.5
130°	349.3	372.2	391.2	403.9	414.3	423.0	430.4	438.8	446.5	451.4	454.0
132.5°	333.3	352.4	367.2	375.3	380.2	382.0	381.7	381.1	384.7	396.5	410.6
135°	317.2	332.6	343.2	348.8	351.7	352.4	353.5	356.2	361.2	372.1	385.0
137.5°	290.6	306.1	316.4	323.5	327.9	329.6	331.4	333.3	339.0	347.3	358.7
140°	264.0	279.0	289.5	297.7	302.8	306.0	308.4	311.0	315.4	321.9	332.6
142.5°	237.3	251.6	262.4	271.3	276.9	281.5	284.7	287.7	291.2	297.4	305.0
145°	210.4	224.0	235.1	243.7	250.4	256.6	260.0	263.5	267.0	271.4	278.5
147.5°	183.5	196.3	207.7	215.9	223.1	229.2	234.3	238.2	242.0	245.7	251.1
150°	156.5	168.5	180.3	187.9	195.6	201.5	207.4	211.9	216.0	219.8	223.5
152.5°	129.9	140.6	151.4	159.7	166.4	172.8	178.9	184.4	188.7	192.7	196.5
155°	103.5	112.6	122.5	131.3	137.6	143.4	149.3	155.0	160.1	164.4	171.7
157.5°	77.8	85.7	95.7	105.6	113.6	120.9	128.1	135.9	143.6	150.9	158.0
160°	69.8	75.9	84.7	93.4	101.8	108.7	115.6	122.4	129.3	136.0	142.5
162.5°	61.6	66.9	73.8	81.3	88.7	95.7	102.1	108.4	114.5	120.5	126.3
165°	53.4	58.0	62.8	69.3	75.6	81.7	87.7	93.3	98.9	104.3	110.3
167.5°	45.1	49.0	52.9	57.3	62.5	67.5	72.5	77.3	82.0	86.7	91.4
170°	36.7	39.9	43.1	46.2	49.5	53.5	57.4	61.2	64.9	68.4	72.0
172.5°	28.2	30.7	33.1	35.5	37.8	40.1	42.4	45.3	48.0	50.6	53.2
175°	19.7	21.4	23.0	24.6	26.2	27.8	29.2	30.7	32.1	33.4	34.7
177.5°	11.1	11.9	12.8	13.6	14.4	15.2	15.9	16.7	17.4	18.1	18.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	19.3	19.9	20.5	21.0	21.5	21.9	22.4	22.7	23.1	23.4	23.7
5°	36.3	37.8	39.3	40.7	41.9	43.1	44.3	45.3	46.2	47.0	47.8
7.5°	55.6	57.9	60.1	62.1	64.2	66.5	68.7	70.7	72.6	74.4	76.0
10°	75.5	79.1	82.6	85.9	89.1	92.2	95.1	97.6	99.7	101.6	103.4
12.5°	95.9	100.2	104.4	108.0	111.4	114.6	117.6	120.4	123.1	126.2	129.4
15°	114.5	119.1	123.6	127.9	132.1	136.9	141.7	146.2	150.6	154.8	158.7
17.5°	131.8	137.9	143.1	148.9	154.6	160.2	165.3	170.0	174.5	178.8	182.9
20°	149.0	155.6	162.1	168.4	174.2	179.9	185.4	190.9	196.4	201.4	206.0
22.5°	165.0	172.0	178.6	185.1	191.8	199.1	206.2	212.8	218.7	223.1	226.7
25°	179.0	186.3	194.2	202.6	211.6	220.0	228.0	235.0	240.8	246.0	250.9
27.5°	200.1	204.7	211.6	222.1	233.4	243.8	254.1	261.6	269.3	275.7	280.9
30°	229.0	236.0	243.4	252.7	261.8	272.1	283.4	293.2	301.1	307.9	314.2
32.5°	258.2	266.6	276.8	286.9	297.8	308.2	317.3	326.0	334.8	343.2	350.7
35°	287.0	297.8	309.0	321.0	332.5	343.2	353.1	362.3	370.9	380.7	392.1
37.5°	316.3	328.1	341.1	353.9	366.2	377.7	388.4	399.1	410.8	423.1	436.7
40°	344.4	358.2	372.1	386.2	399.1	411.3	424.6	438.1	453.7	470.9	490.3
42.5°	372.7	387.4	403.0	417.6	431.1	446.3	461.6	480.2	500.9	525.9	553.0
45°	399.8	416.8	433.0	447.8	464.4	481.3	501.3	523.5	553.2	585.0	621.2
47.5°	427.5	445.7	461.6	478.9	497.4	517.7	541.5	572.7	608.7	647.9	698.5
50°	457.6	472.8	490.0	509.9	530.3	553.3	585.5	623.5	667.2	724.0	784.1
52.5°	526.4	526.4	531.4	539.8	561.9	592.6	630.3	675.5	736.9	803.4	874.4
55°	589.5	586.7	590.2	593.9	608.6	632.8	674.4	737.8	808.3	884.1	975.2
57.5°	647.8	642.8	641.3	644.5	662.0	692.1	738.8	801.4	879.8	972.7	1073.7
60°	702.2	694.1	687.8	694.6	714.9	748.8	806.7	876.7	959.8	1055.2	1163.6
62.5°	754.1	740.6	730.6	739.4	764.2	809.3	871.1	946.3	1040.6	1142.7	1259.5
65°	802.4	782.9	774.5	784.2	811.2	861.6	929.3	1016.1	1116.8	1230.7	1368.0
67.5°	847.3	821.4	814.2	826.5	859.3	912.5	984.2	1076.9	1186.7	1325.4	1479.2
70°	889.4	857.8	850.2	864.8	900.8	957.4	1036.5	1137.1	1261.7	1412.6	1577.4
72.5°	913.3	889.8	886.3	902.0	937.2	998.4	1080.7	1190.0	1334.8	1486.4	1638.0
75°	932.1	915.4	917.7	938.1	977.4	1038.4	1124.3	1240.2	1398.9	1541.7	1691.2
77.5°	952.7	941.8	948.5	972.1	1014.9	1079.8	1170.1	1294.7	1444.3	1585.6	1731.4
80°	974.9	968.7	978.7	1004.2	1049.2	1115.8	1207.9	1336.6	1480.6	1627.3	1776.7
82.5°	998.3	996.1	1008.3	1034.6	1080.5	1146.8	1238.4	1366.7	1508.8	1660.4	1812.9
85°	1022.9	1023.8	1037.4	1063.4	1109.0	1173.4	1262.3	1386.3	1528.8	1684.3	1839.4
87.5°	1048.0	1051.7	1066.2	1091.4	1136.1	1197.5	1282.5	1400.0	1544.5	1703.7	1861.1
90°	1073.8	1079.5	1094.0	1117.3	1159.3	1215.7	1293.9	1400.3	1543.8	1703.4	1861.4
92.5°	1048.0	1051.7	1066.2	1091.4	1136.1	1197.5	1282.5	1400.0	1544.5	1703.7	1861.1
95°	1022.9	1023.8	1037.4	1063.4	1109.0	1173.4	1262.3	1386.3	1528.8	1684.3	1839.4
97.5°	998.3	996.1	1008.3	1034.6	1080.5	1146.8	1238.4	1366.7	1508.8	1660.4	1812.9
100°	974.9	968.7	978.7	1004.2	1049.2	1115.8	1207.9	1336.6	1480.6	1627.3	1776.7
102.5°	952.7	941.8	948.5	972.1	1014.9	1079.8	1170.1	1294.7	1444.3	1585.6	1731.4
105°	932.1	915.4	917.7	938.1	977.4	1038.4	1124.3	1240.2	1398.9	1541.7	1691.2
107.5°	913.3	889.8	886.3	902.0	937.2	998.4	1080.7	1190.0	1334.8	1486.4	1638.0
110°	889.4	857.8	850.2	864.8	900.8	957.4	1036.5	1137.1	1261.7	1412.6	1577.4



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-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°	847.3	821.4	814.2	826.5	859.3	912.5	984.2	1076.9	1186.7	1325.4	1479.2
115°	802.4	782.9	774.5	784.2	811.2	861.6	929.3	1016.1	1116.8	1230.7	1368.0
117.5°	754.1	740.6	730.6	739.4	764.2	809.3	871.1	946.3	1040.6	1142.7	1259.5
120°	702.2	694.1	687.8	694.6	714.9	748.8	806.7	876.7	959.8	1055.2	1163.6
122.5°	647.8	642.8	641.3	644.5	662.0	692.1	738.8	801.4	879.8	972.7	1073.7
125°	589.5	586.7	590.2	593.9	608.6	632.8	674.4	737.8	808.3	884.1	975.2
127.5°	526.4	526.4	531.4	539.8	561.9	592.6	630.3	675.5	736.9	803.4	874.4
130°	457.6	472.8	490.0	509.9	530.3	553.3	585.5	623.5	667.2	724.0	784.1
132.5°	427.5	445.7	461.6	478.9	497.4	517.7	541.5	572.7	608.7	647.9	698.5
135°	399.8	416.8	433.0	447.8	464.4	481.3	501.3	523.5	553.2	585.0	621.2
137.5°	372.7	387.4	403.0	417.6	431.1	446.3	461.6	480.2	500.9	525.9	553.0
140°	344.4	358.2	372.1	386.2	399.1	411.3	424.6	438.1	453.7	470.9	490.3
142.5°	316.3	328.1	341.1	353.9	366.2	377.7	388.4	399.1	410.8	423.1	436.7
145°	287.0	297.8	309.0	321.0	332.5	343.2	353.1	362.3	370.9	380.7	392.1
147.5°	258.2	266.6	276.8	286.9	297.8	308.2	317.3	326.0	334.8	343.2	350.7
150°	229.0	236.0	243.4	252.7	261.8	272.1	283.4	293.2	301.1	307.9	314.2
152.5°	200.1	204.7	211.6	222.1	233.4	243.8	254.1	261.6	269.3	275.7	280.9
155°	179.0	186.3	194.2	202.6	211.6	220.0	228.0	235.0	240.8	246.0	250.9
157.5°	165.0	172.0	178.6	185.1	191.8	199.1	206.2	212.8	218.7	223.1	226.7
160°	149.0	155.6	162.1	168.4	174.2	179.9	185.4	190.9	196.4	201.4	206.0
162.5°	131.8	137.9	143.1	148.9	154.6	160.2	165.3	170.0	174.5	178.8	182.9
165°	114.5	119.1	123.6	127.9	132.1	136.9	141.7	146.2	150.6	154.8	158.7
167.5°	95.9	100.2	104.4	108.0	111.4	114.6	117.6	120.4	123.1	126.2	129.4
170°	75.5	79.1	82.6	85.9	89.1	92.2	95.1	97.6	99.7	101.6	103.4
172.5°	55.6	57.9	60.1	62.1	64.2	66.5	68.7	70.7	72.6	74.4	76.0
175°	36.3	37.8	39.3	40.7	41.9	43.1	44.3	45.3	46.2	47.0	47.8
177.5°	19.3	19.9	20.5	21.0	21.5	21.9	22.4	22.7	23.1	23.4	23.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	23.9	24.1	24.2	24.3	24.4	24.4	25.1	24.8	24.5	24.3	24.0
5°	48.4	49.0	49.4	49.8	50.0	50.2	50.2	50.2	50.8	50.2	49.6
7.5°	77.5	78.8	80.0	81.0	81.9	82.5	83.0	83.4	83.5	84.3	83.6
10°	104.9	106.3	107.5	108.6	109.4	110.0	110.4	110.7	110.7	111.4	110.6
12.5°	132.3	135.1	137.6	139.9	142.0	143.8	145.3	146.4	147.3	147.9	148.8
15°	161.8	164.8	167.5	170.0	172.2	174.1	175.8	177.1	178.2	178.9	180.0
17.5°	186.7	190.0	193.0	195.6	197.8	199.6	201.1	202.2	202.9	203.3	203.9
20°	210.2	213.3	214.9	215.9	216.2	216.1	215.5	214.4	213.0	211.2	209.4
22.5°	229.4	231.1	232.9	234.4	235.1	235.0	234.2	232.9	230.9	228.4	226.1
25°	254.8	257.6	259.5	260.8	261.4	261.0	260.0	258.1	255.6	252.4	248.6
27.5°	285.0	288.1	290.2	292.2	294.4	295.8	296.3	296.0	294.7	292.6	289.5
30°	319.3	324.6	329.0	332.6	339.0	344.6	349.4	353.2	355.8	357.2	357.1
32.5°	358.5	368.2	377.5	386.4	396.0	405.3	413.4	420.1	425.2	428.7	430.4
35°	403.6	417.7	432.1	445.6	459.1	475.4	490.0	502.7	513.3	521.6	527.4
37.5°	454.4	473.0	496.1	518.2	539.0	560.7	580.9	598.6	613.6	625.7	634.7
40°	514.3	540.5	570.1	599.4	627.0	656.7	687.9	716.0	740.6	761.1	777.3
42.5°	584.1	615.6	651.8	695.0	736.4	776.0	815.0	849.8	879.9	905.1	925.1
45°	659.8	706.9	751.5	803.8	855.0	907.8	955.2	1001.9	1040.9	1072.0	1095.4
47.5°	751.5	808.1	864.3	926.5	999.4	1064.9	1126.0	1181.6	1228.5	1266.5	1295.1
50°	849.3	917.9	1000.6	1081.8	1166.9	1244.3	1318.1	1393.9	1459.5	1514.0	1556.5
52.5°	957.9	1048.4	1143.9	1240.4	1348.5	1455.9	1549.9	1626.7	1698.8	1764.1	1820.1
55°	1072.4	1176.0	1288.4	1416.1	1538.8	1644.2	1739.4	1825.8	1903.9	1973.9	2034.3
57.5°	1181.2	1306.8	1443.9	1577.2	1706.6	1804.4	1901.4	1989.8	2066.7	2138.4	2203.1
60°	1293.2	1437.2	1588.7	1722.7	1840.9	1940.4	2026.1	2111.0	2189.8	2261.5	2325.4
62.5°	1400.3	1570.2	1716.1	1847.1	1947.1	2042.7	2128.6	2209.7	2291.4	2365.8	2431.5
65°	1529.4	1681.3	1820.5	1928.9	2032.0	2129.2	2219.0	2304.2	2385.6	2460.9	2526.0
67.5°	1637.2	1780.6	1889.3	1998.5	2104.9	2203.9	2299.5	2390.0	2474.4	2550.4	2614.8
70°	1719.5	1847.4	1959.5	2062.9	2164.1	2268.8	2370.1	2465.0	2555.6	2631.8	2689.5
72.5°	1782.1	1908.7	2020.7	2120.5	2220.9	2322.7	2426.4	2524.6	2622.5	2713.9	2765.7
75°	1833.0	1957.0	2065.0	2167.9	2273.6	2372.1	2465.7	2570.6	2678.0	2774.3	2829.2
77.5°	1875.4	1996.8	2096.7	2206.2	2313.1	2413.0	2508.1	2604.9	2712.8	2806.6	2872.2
80°	1909.7	2019.5	2120.3	2233.0	2341.9	2446.0	2545.4	2645.7	2738.5	2831.3	2896.1
82.5°	1934.5	2039.7	2146.7	2255.1	2360.0	2462.9	2572.0	2679.9	2778.1	2865.5	2911.1
85°	1947.2	2052.9	2162.8	2269.8	2379.1	2485.6	2592.5	2699.9	2806.8	2882.3	2899.7
87.5°	1952.7	2058.3	2168.1	2272.2	2388.4	2498.4	2599.9	2707.2	2816.6	2901.1	2931.6
90°	1942.9	2054.9	2162.9	2262.9	2385.4	2496.7	2587.8	2693.4	2798.2	2907.0	2945.7
92.5°	1952.7	2058.3	2168.1	2272.2	2388.4	2498.4	2599.9	2707.2	2816.6	2901.1	2931.6
95°	1947.2	2052.9	2162.8	2269.8	2379.1	2485.6	2592.5	2699.9	2806.8	2882.3	2899.7
97.5°	1934.5	2039.7	2146.7	2255.1	2360.0	2462.9	2572.0	2679.9	2778.1	2865.5	2911.1
100°	1909.7	2019.5	2120.3	2233.0	2341.9	2446.0	2545.4	2645.7	2738.5	2831.3	2896.1
102.5°	1875.4	1996.8	2096.7	2206.2	2313.1	2413.0	2508.1	2604.9	2712.8	2806.6	2872.2
105°	1833.0	1957.0	2065.0	2167.9	2273.6	2372.1	2465.7	2570.6	2678.0	2774.3	2829.2
107.5°	1782.1	1908.7	2020.7	2120.5	2220.9	2322.7	2426.4	2524.6	2622.5	2713.9	2765.7
110°	1719.5	1847.4	1959.5	2062.9	2164.1	2268.8	2370.1	2465.0	2555.6	2631.8	2689.5



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1637.2	1780.6	1889.3	1998.5	2104.9	2203.9	2299.5	2390.0	2474.4	2550.4	2614.8
115°	1529.4	1681.3	1820.5	1928.9	2032.0	2129.2	2219.0	2304.2	2385.6	2460.9	2526.0
117.5°	1400.3	1570.2	1716.1	1847.1	1947.1	2042.7	2128.6	2209.7	2291.4	2365.8	2431.5
120°	1293.2	1437.2	1588.7	1722.7	1840.9	1940.4	2026.1	2111.0	2189.8	2261.5	2325.4
122.5°	1181.2	1306.8	1443.9	1577.2	1706.6	1804.4	1901.4	1989.8	2066.7	2138.4	2203.1
125°	1072.4	1176.0	1288.4	1416.1	1538.8	1644.2	1739.4	1825.8	1903.9	1973.9	2034.3
127.5°	957.9	1048.4	1143.9	1240.4	1348.5	1455.9	1549.9	1626.7	1698.8	1764.1	1820.1
130°	849.3	917.9	1000.6	1081.8	1166.9	1244.3	1318.1	1393.9	1459.5	1514.0	1556.5
132.5°	751.5	808.1	864.3	926.5	999.4	1064.9	1126.0	1181.6	1228.5	1266.5	1295.1
135°	659.8	706.9	751.5	803.8	855.0	907.8	955.2	1001.9	1040.9	1072.0	1095.4
137.5°	584.1	615.6	651.8	695.0	736.4	776.0	815.0	849.8	879.9	905.1	925.1
140°	514.3	540.5	570.1	599.4	627.0	656.7	687.9	716.0	740.6	761.1	777.3
142.5°	454.4	473.0	496.1	518.2	539.0	560.7	580.9	598.6	613.6	625.7	634.7
145°	403.6	417.7	432.1	445.6	459.1	475.4	490.0	502.7	513.3	521.6	527.4
147.5°	358.5	368.2	377.5	386.4	396.0	405.3	413.4	420.1	425.2	428.7	430.4
150°	319.3	324.6	329.0	332.6	339.0	344.6	349.4	353.2	355.8	357.2	357.1
152.5°	285.0	288.1	290.2	292.2	294.4	295.8	296.3	296.0	294.7	292.6	289.5
155°	254.8	257.6	259.5	260.8	261.4	261.0	260.0	258.1	255.6	252.4	248.6
157.5°	229.4	231.1	232.9	234.4	235.1	235.0	234.2	232.9	230.9	228.4	226.1
160°	210.2	213.3	214.9	215.9	216.2	216.1	215.5	214.4	213.0	211.2	209.4
162.5°	186.7	190.0	193.0	195.6	197.8	199.6	201.1	202.2	202.9	203.3	203.9
165°	161.9	164.8	167.5	170.0	172.2	174.1	175.8	177.1	178.2	178.9	180.0
167.5°	132.3	135.1	137.6	139.9	142.0	143.8	145.3	146.4	147.3	147.9	148.8
170°	104.9	106.3	107.5	108.6	109.4	110.0	110.4	110.7	110.7	111.4	110.6
172.5°	77.5	78.8	80.0	81.0	81.9	82.5	83.0	83.4	83.5	84.3	83.6
175°	48.4	49.0	49.4	49.8	50.0	50.2	50.2	50.2	50.8	50.2	49.6
177.5°	23.9	24.1	24.2	24.3	24.4	24.4	25.1	24.8	24.5	24.3	24.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2.4	2.4
2.5°	23.7	23.4
5°	49.0	48.4
7.5°	82.9	82.2
10°	109.7	108.8
12.5°	148.2	147.5
15°	179.5	179.0
17.5°	203.1	202.3
20°	207.1	204.8
22.5°	222.3	218.5
25°	244.5	239.4
27.5°	285.9	280.5
30°	356.4	352.3
32.5°	431.3	428.1
35°	531.9	530.5
37.5°	642.2	642.5
40°	791.4	794.9
42.5°	942.5	948.0
45°	1114.8	1119.0
47.5°	1319.1	1323.7
50°	1593.2	1601.8
52.5°	1872.3	1894.5
55°	2090.4	2120.2
57.5°	2265.0	2304.0
60°	2385.6	2427.4
62.5°	2488.0	2535.4
65°	2581.0	2626.5
67.5°	2668.1	2711.1
70°	2733.8	2767.6
72.5°	2797.2	2814.3
75°	2848.7	2857.0
77.5°	2884.6	2889.3
80°	2913.9	2907.0
82.5°	2937.7	2934.4
85°	2945.8	2982.0
87.5°	2925.6	2974.7
90°	2932.0	2929.6
92.5°	2925.6	2974.7
95°	2945.8	2982.0
97.5°	2937.7	2934.4
100°	2913.9	2907.0
102.5°	2884.6	2889.3
105°	2848.7	2857.0
107.5°	2797.2	2814.3
110°	2733.8	2767.6



TEST NUMBER: P232009

CATALOG NUMBER: FVS4WM-4-LD4-35-2STD-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2668.1	2711.1
115°	2581.0	2626.5
117.5°	2488.0	2535.4
120°	2385.6	2427.4
122.5°	2265.0	2304.0
125°	2090.4	2120.2
127.5°	1872.3	1894.5
130°	1593.2	1601.8
132.5°	1319.1	1323.7
135°	1114.8	1119.0
137.5°	942.5	948.0
140°	791.4	794.9
142.5°	642.2	642.5
145°	531.9	530.5
147.5°	431.3	428.1
150°	356.4	352.3
152.5°	285.9	280.5
155°	244.5	239.4
157.5°	222.3	218.5
160°	207.1	204.8
162.5°	203.1	202.3
165°	179.5	179.0
167.5°	148.2	147.5
170°	109.7	108.8
172.5°	82.9	82.2
175°	49.0	48.4
177.5°	23.7	23.4
180°	2.0	2.0

(END OF REPORT)