

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: P232055

Luminaire Tested: **FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-28)  
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-P125-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 2-MODULE LED WITH P125 LENS  
Light Source: (168) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

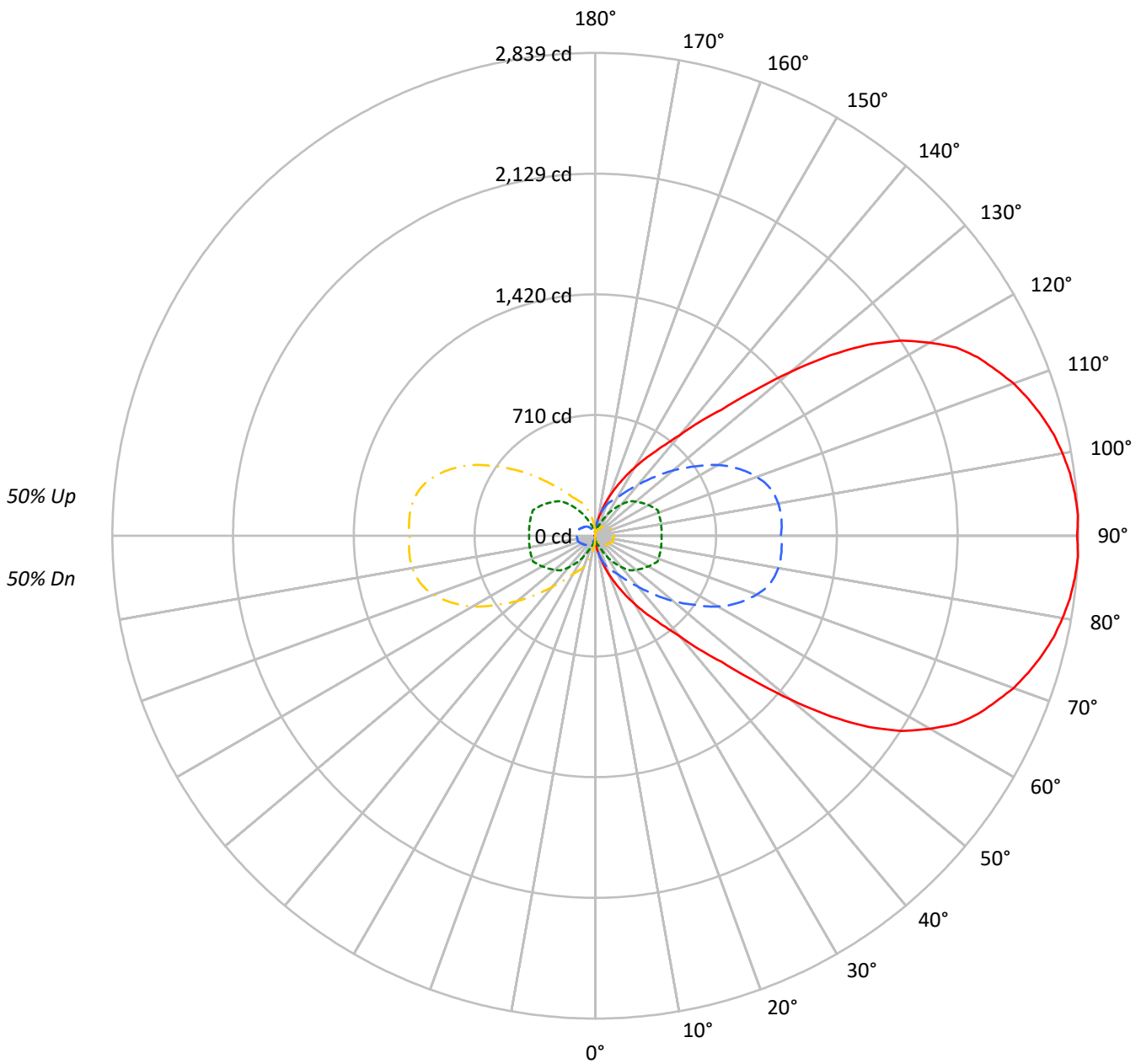
Lumens per Lamp: N/A  
Luminaire Lumens: 6692.1 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Spacing Criteria (0/90/45): 23.15 / 15.02 / 15.65  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

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	84	77	71	83	76	71	65	63	58	54	50	47	44	39	36	34	28
2	80	69	60	53	73	63	55	48	51	45	40	40	36	31	30	27	23	18
3	72	59	49	41	65	53	45	37	43	36	30	34	28	24	25	21	17	13
4	65	51	41	33	58	46	37	30	37	30	24	29	23	19	21	17	13	9
5	59	44	34	27	53	40	31	25	32	25	20	25	19	15	18	14	10	7
6	54	39	29	23	48	36	27	20	29	22	16	22	17	12	16	12	8	5
7	49	35	26	19	44	32	23	17	26	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	29	20	15	23	16	12	18	13	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	15	10	16	11	8	12	8	5	3
10	39	26	18	12	36	24	16	11	19	13	9	15	10	7	11	7	4	2

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	35	35	35	35
5°	966	364	16	364
10°	1589	696	14	696
15°	2352	1036	13	1036
20°	3259	1395	12	1395
25°	4235	2089	11	2089
30°	5363	3161	21	3161
35°	6585	4345	20	4345
40°	8276	5686	19	5686
45°	10937	7238	19	7238
50°	15353	8472	18	8472
55°	19891	10000	18	10000
60°	22989	11957	27	11957
65°	25261	14550	27	14550
70°	26988	17580	28	17580
75°	28623	21393	28	21393
80°	30243	27652	0	27652
85°	31869	39651	0	39651



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	24.0	0.4
20°-30°	66.5	1.0
30°-40°	144.0	2.2
40°-50°	277.0	4.1
50°-60°	476.3	7.1
60°-70°	673.0	10.1
70°-80°	808.0	12.1
80°-90°	873.7	13.1
90°-100°	873.7	13.1
100°-110°	808.0	12.1
110°-120°	673.0	10.1
120°-130°	476.3	7.1
130°-140°	277.0	4.1
140°-150°	144.0	2.2
150°-160°	66.5	1.0
160°-170°	24.0	0.4
170°-180°	3.5	0.1
0°-30°	94.0	1.4
0°-40°	237.9	3.6
0°-60°	991.3	14.8
0°-90°	3346.0	50.0
90°-120°	2354.8	35.2
90°-150°	3252.1	48.6
90°-180°	3346.0	50.0
0°-180°	6692.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	56	19	1	19	56	7
15°	167	52	1	52	167	50
25°	347	101	1	101	347	165
35°	594	194	2	194	594	383
45°	1048	288	2	288	1048	849
55°	1959	336	2	336	1959	1739
65°	2481	384	3	384	2481	2451
75°	2718	394	3	394	2718	2870
85°	2829	391	0	391	2829	2303
90°	2832	389	0	389	2832	1554
95°	2829	391	0	391	2829	2303
105°	2718	394	3	394	2718	2870
115°	2481	384	3	384	2481	2451
125°	1959	336	2	336	1959	1739
135°	1048	288	2	288	1048	849
145°	594	194	2	194	594	383
155°	347	101	1	101	347	165
165°	167	52	1	52	167	50
175°	56	19	1	19	56	7
180°	1	1	1	1	1	



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	26.2	26.6	26.9	27.3	27.6	28.0	28.3	27.5	27.5	27.5	27.4
5°	56.0	56.7	57.4	58.1	58.8	58.1	58.2	58.1	58.0	57.7	57.3
7.5°	81.2	82.3	83.5	84.6	84.6	85.1	85.4	85.5	85.5	85.3	85.0
10°	102.9	104.6	106.2	107.9	108.1	109.0	109.7	110.1	110.4	110.4	110.3
12.5°	127.3	129.3	131.3	132.3	133.5	134.4	135.1	135.6	135.8	135.8	135.5
15°	167.0	168.6	170.1	169.7	169.8	169.6	169.0	168.2	167.1	165.7	164.2
17.5°	207.6	208.4	209.2	207.6	206.7	205.4	203.8	201.9	199.7	197.2	194.6
20°	250.0	250.0	250.0	247.2	245.1	242.5	239.5	236.1	232.3	228.2	223.9
22.5°	296.0	295.1	294.2	289.8	286.3	282.2	277.5	272.4	266.7	260.7	254.4
25°	346.6	344.6	340.6	336.2	331.0	325.1	318.5	311.2	303.5	295.2	286.5
27.5°	404.3	401.1	395.4	389.2	381.9	373.6	364.4	354.4	343.6	332.2	321.0
30°	463.0	459.9	453.8	446.9	438.5	428.6	417.2	404.3	390.0	374.2	360.2
32.5°	528.0	525.9	520.0	513.1	504.1	492.9	479.6	464.0	446.2	427.4	408.8
35°	593.9	593.5	588.9	583.0	574.6	563.6	549.8	533.3	513.9	492.6	469.0
37.5°	674.2	676.4	672.8	667.4	658.7	646.4	630.3	610.4	587.4	564.4	538.1
40°	772.6	776.8	773.5	768.1	758.5	744.6	726.4	703.8	678.3	649.8	616.7
42.5°	907.0	911.9	906.0	897.3	883.3	863.9	839.4	809.7	780.6	747.7	710.0
45°	1047.8	1055.0	1049.6	1040.7	1025.0	1002.5	973.1	942.6	900.2	857.8	812.0
47.5°	1254.5	1260.2	1246.6	1228.8	1202.3	1167.6	1125.2	1080.5	1035.2	982.4	926.4
50°	1497.3	1495.6	1470.4	1441.4	1403.8	1358.9	1308.1	1252.5	1190.6	1114.0	1046.1
52.5°	1743.7	1733.8	1697.9	1657.9	1608.6	1551.8	1488.8	1423.4	1346.2	1259.7	1171.7
55°	1959.4	1939.7	1895.5	1848.3	1793.6	1733.2	1666.3	1585.2	1490.1	1393.6	1297.0
57.5°	2136.3	2108.6	2058.8	2006.0	1946.2	1880.8	1808.2	1726.7	1643.1	1527.5	1412.8
60°	2269.8	2239.0	2188.6	2134.4	2072.3	2003.1	1926.0	1845.1	1755.7	1654.5	1538.3
62.5°	2394.4	2352.0	2300.7	2242.0	2177.4	2109.2	2027.6	1944.1	1853.8	1760.1	1647.1
65°	2481.0	2442.1	2394.0	2335.7	2267.0	2191.7	2112.6	2026.2	1934.0	1838.3	1737.4
67.5°	2548.7	2512.7	2468.4	2415.0	2352.1	2274.0	2188.0	2097.4	1999.4	1900.9	1802.5
70°	2616.4	2586.7	2545.9	2491.7	2421.6	2343.1	2254.7	2159.4	2060.4	1957.7	1866.8
72.5°	2670.6	2646.3	2612.1	2566.3	2498.4	2408.1	2315.8	2211.3	2115.0	2021.2	1923.1
75°	2717.5	2704.0	2676.8	2621.0	2541.6	2460.1	2366.9	2268.4	2163.6	2068.5	1970.9
77.5°	2759.0	2748.7	2728.8	2670.7	2586.5	2491.2	2408.8	2311.2	2205.0	2102.1	2005.7
80°	2788.8	2777.5	2755.7	2709.5	2625.6	2531.2	2438.5	2347.2	2231.7	2125.9	2027.6
82.5°	2814.1	2797.8	2778.6	2737.3	2659.6	2557.4	2459.9	2360.4	2251.8	2146.4	2049.7
85°	2829.4	2810.2	2803.2	2752.2	2670.2	2569.1	2470.9	2374.9	2270.1	2162.4	2061.8
87.5°	2839.3	2823.8	2800.6	2760.5	2679.2	2578.7	2475.1	2377.3	2273.3	2168.3	2064.2
90°	2832.1	2808.7	2793.3	2748.2	2672.4	2568.6	2464.8	2365.5	2262.6	2163.3	2057.8
92.5°	2839.3	2823.8	2800.6	2760.5	2679.2	2578.7	2475.1	2377.3	2273.3	2168.3	2064.2
95°	2829.4	2810.2	2803.2	2752.2	2670.2	2569.1	2470.9	2374.9	2270.1	2162.4	2061.8
97.5°	2814.1	2797.8	2778.6	2737.3	2659.6	2557.4	2459.9	2360.4	2251.8	2146.4	2049.7
100°	2788.8	2777.5	2755.7	2709.5	2625.6	2531.2	2438.5	2347.2	2231.7	2125.9	2027.6
102.5°	2759.0	2748.7	2728.8	2670.7	2586.5	2491.2	2408.8	2311.2	2205.0	2102.1	2005.7
105°	2717.5	2704.0	2676.8	2621.0	2541.6	2460.1	2366.9	2268.4	2163.6	2068.5	1970.9
107.5°	2670.6	2646.3	2612.1	2566.3	2498.4	2408.1	2315.8	2211.3	2115.0	2021.2	1923.1
110°	2616.4	2586.7	2545.9	2491.7	2421.6	2343.1	2254.7	2159.4	2060.4	1957.7	1866.8



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CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2548.7	2512.7	2468.4	2415.0	2352.1	2274.0	2188.0	2097.4	1999.4	1900.9	1802.5
115°	2481.0	2442.1	2394.0	2335.7	2267.0	2191.7	2112.6	2026.2	1934.0	1838.3	1737.4
117.5°	2394.4	2352.0	2300.7	2242.0	2177.4	2109.2	2027.6	1944.1	1853.8	1760.1	1647.1
120°	2269.8	2239.0	2188.6	2134.4	2072.3	2003.1	1926.0	1845.1	1755.7	1654.5	1538.3
122.5°	2136.3	2108.6	2058.8	2006.0	1946.2	1880.8	1808.2	1726.7	1643.1	1527.5	1412.8
125°	1959.4	1939.7	1895.5	1848.3	1793.6	1733.2	1666.3	1585.2	1490.1	1393.6	1297.0
127.5°	1743.7	1733.8	1697.9	1657.9	1608.6	1551.8	1488.8	1423.4	1346.2	1259.7	1171.7
130°	1497.3	1495.6	1470.4	1441.4	1403.8	1358.9	1308.1	1252.5	1190.6	1114.0	1046.1
132.5°	1254.5	1260.2	1246.6	1228.8	1202.3	1167.6	1125.2	1080.5	1035.2	982.4	926.4
135°	1047.8	1055.0	1049.6	1040.7	1025.0	1002.5	973.1	942.6	900.2	857.8	812.0
137.5°	907.0	911.9	906.0	897.3	883.3	863.9	839.4	809.7	780.6	747.7	710.0
140°	772.6	776.8	773.5	768.1	758.5	744.6	726.4	703.8	678.3	649.8	616.7
142.5°	674.2	676.4	672.8	667.4	658.7	646.4	630.3	610.4	587.4	564.4	538.1
145°	593.9	593.5	588.9	583.0	574.6	563.6	549.8	533.3	513.9	492.6	469.0
147.5°	528.0	525.9	520.0	513.1	504.1	492.9	479.6	464.0	446.2	427.4	408.8
150°	463.0	459.9	453.8	446.9	438.5	428.6	417.2	404.3	390.0	374.2	360.2
152.5°	404.3	401.1	395.4	389.2	381.9	373.6	364.4	354.4	343.6	332.2	321.0
155°	346.6	344.6	340.6	336.2	331.0	325.1	318.5	311.2	303.5	295.2	286.5
157.5°	296.0	295.1	294.2	289.8	286.3	282.2	277.5	272.4	266.7	260.7	254.4
160°	250.0	250.0	250.0	247.2	245.1	242.5	239.5	236.1	232.3	228.2	223.9
162.5°	207.6	208.4	209.2	207.6	206.7	205.4	203.8	201.9	199.7	197.2	194.6
165°	167.0	168.6	170.1	169.7	169.8	169.6	169.0	168.2	167.1	165.7	164.2
167.5°	127.3	129.3	131.3	132.3	133.5	134.4	135.1	135.6	135.8	135.8	135.5
170°	102.9	104.6	106.2	107.9	108.1	109.0	109.7	110.1	110.4	110.4	110.3
172.5°	81.2	82.3	83.5	84.6	84.6	85.1	85.4	85.5	85.5	85.3	85.0
175°	56.0	56.7	57.4	58.1	58.8	58.1	58.2	58.1	58.0	57.7	57.3
177.5°	26.2	26.6	26.9	27.3	27.6	28.0	28.3	27.5	27.5	27.5	27.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	27.3	27.1	26.8	26.5	26.2	25.8	25.4	24.9	24.4	23.8	23.2
5°	56.8	56.2	55.4	54.6	53.6	52.5	51.4	50.1	48.7	47.2	45.7
7.5°	84.5	83.8	83.0	82.0	80.8	79.5	78.0	76.4	74.6	72.5	70.1
10°	110.0	109.4	108.6	107.7	106.5	105.1	103.4	101.2	98.8	96.2	93.5
12.5°	135.1	134.3	133.4	132.2	130.8	129.1	127.1	124.9	122.4	119.7	116.7
15°	162.4	160.5	158.4	156.8	155.0	153.1	150.8	148.4	145.7	142.4	138.8
17.5°	191.8	188.9	186.0	183.1	180.1	177.1	174.1	171.1	167.9	164.5	160.8
20°	219.2	215.0	211.0	207.1	203.2	199.4	195.7	192.3	188.9	185.7	181.7
22.5°	248.0	242.1	236.0	229.9	223.7	218.7	214.4	210.3	206.5	202.9	199.7
25°	278.5	270.2	261.9	253.3	245.6	238.6	231.6	225.1	220.9	217.1	214.2
27.5°	310.4	299.6	288.5	277.9	268.2	258.5	250.0	241.6	234.4	228.2	224.9
30°	345.8	331.0	316.9	303.5	290.9	278.4	267.8	257.5	251.9	250.0	247.8
32.5°	388.6	367.0	348.3	331.2	314.0	299.4	291.8	285.9	281.6	276.9	274.1
35°	442.9	415.7	390.8	364.4	345.7	336.0	325.4	318.5	311.2	305.6	300.4
37.5°	508.6	477.6	444.4	421.4	399.9	379.3	365.1	352.6	342.5	334.2	327.6
40°	581.0	547.8	518.9	490.4	461.6	434.9	411.3	390.7	376.3	364.0	354.9
42.5°	671.1	634.0	596.8	563.4	531.3	496.3	463.9	437.4	412.8	396.6	383.2
45°	770.2	726.3	683.1	639.2	599.0	559.5	523.0	487.0	457.7	431.4	413.2
47.5°	872.6	819.6	770.1	720.2	671.9	625.6	582.0	542.1	504.2	472.2	446.4
50°	978.0	916.2	856.3	800.9	748.6	693.6	643.3	595.8	554.2	515.7	481.2
52.5°	1086.8	1012.9	942.8	879.4	819.2	763.2	705.2	652.4	604.4	560.0	531.2
55°	1201.3	1108.1	1028.5	954.5	889.0	826.3	765.3	708.8	661.7	622.1	593.8
57.5°	1308.1	1206.0	1110.1	1027.9	953.5	888.1	828.6	773.2	722.4	679.6	649.9
60°	1408.5	1295.5	1190.1	1094.6	1018.6	950.2	888.8	831.7	779.8	735.3	701.8
62.5°	1521.8	1379.3	1266.2	1169.3	1082.5	1006.9	942.8	885.0	832.4	784.8	749.0
65°	1615.7	1481.3	1341.9	1237.0	1144.6	1062.6	990.7	931.4	879.6	832.2	796.0
67.5°	1698.8	1565.8	1424.5	1298.7	1199.0	1111.9	1035.3	973.5	921.8	875.9	838.0
70°	1762.5	1636.8	1497.6	1353.3	1247.4	1157.8	1078.0	1010.2	958.1	915.0	875.4
72.5°	1823.3	1696.5	1550.2	1406.0	1286.9	1195.1	1114.8	1043.7	989.6	949.5	911.2
75°	1869.3	1749.8	1600.6	1443.5	1316.2	1225.3	1143.5	1066.9	1010.5	971.5	939.9
77.5°	1909.7	1796.0	1642.3	1481.3	1349.7	1247.3	1159.3	1082.2	1024.6	988.6	964.2
80°	1935.9	1829.3	1683.6	1518.4	1377.0	1265.9	1171.9	1092.1	1034.6	1001.7	985.1
82.5°	1958.4	1857.4	1718.4	1543.7	1396.4	1280.7	1180.9	1097.2	1041.0	1011.4	1003.1
85°	1972.5	1877.2	1744.7	1557.4	1408.0	1291.1	1186.1	1098.1	1044.6	1018.9	1019.2
87.5°	1978.4	1892.9	1767.2	1564.9	1415.6	1299.6	1189.4	1096.6	1046.4	1024.8	1033.9
90°	1976.5	1889.9	1763.5	1553.2	1409.7	1296.9	1184.1	1090.2	1046.0	1030.7	1048.7
92.5°	1978.4	1892.9	1767.2	1564.9	1415.6	1299.6	1189.4	1096.6	1046.4	1024.8	1033.9
95°	1972.5	1877.2	1744.7	1557.4	1408.0	1291.1	1186.1	1098.1	1044.6	1018.9	1019.2
97.5°	1958.4	1857.4	1718.4	1543.7	1396.4	1280.7	1180.9	1097.2	1041.0	1011.4	1003.1
100°	1935.9	1829.3	1683.6	1518.4	1377.0	1265.9	1171.9	1092.1	1034.6	1001.7	985.1
102.5°	1909.7	1796.0	1642.3	1481.3	1349.7	1247.3	1159.3	1082.2	1024.6	988.6	964.2
105°	1869.3	1749.8	1600.6	1443.5	1316.2	1225.3	1143.5	1066.9	1010.5	971.5	939.9
107.5°	1823.3	1696.5	1550.2	1406.0	1286.9	1195.1	1114.8	1043.7	989.6	949.5	911.2
110°	1762.5	1636.8	1497.6	1353.3	1247.4	1157.8	1078.0	1010.2	958.1	915.0	875.4





TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1698.8	1565.8	1424.5	1298.7	1199.0	1111.9	1035.3	973.5	921.8	875.9	838.0
115°	1615.7	1481.3	1341.9	1237.0	1144.6	1062.6	990.7	931.4	879.6	832.2	796.0
117.5°	1521.8	1379.3	1266.2	1169.3	1082.5	1006.9	942.8	885.0	832.4	784.8	749.0
120°	1408.5	1295.5	1190.1	1094.6	1018.6	950.2	888.8	831.7	779.8	735.3	701.8
122.5°	1308.1	1206.0	1110.1	1027.9	953.5	888.1	828.6	773.2	722.4	679.6	649.9
125°	1201.3	1108.1	1028.5	954.5	889.0	826.3	765.3	708.8	661.7	622.1	593.8
127.5°	1086.8	1012.9	942.8	879.4	819.2	763.2	705.2	652.4	604.4	560.0	531.2
130°	978.0	916.2	856.3	800.9	748.6	693.6	643.3	595.8	554.2	515.7	481.2
132.5°	872.6	819.6	770.1	720.2	671.9	625.6	582.0	542.1	504.2	472.2	446.4
135°	770.2	726.3	683.1	639.2	599.0	559.5	523.0	487.0	457.7	431.4	413.2
137.5°	671.1	634.0	596.8	563.4	531.3	496.3	463.9	437.4	412.8	396.6	383.2
140°	581.0	547.8	518.9	490.4	461.6	434.9	411.3	390.7	376.3	364.0	354.9
142.5°	508.6	477.6	444.4	421.4	399.9	379.3	365.1	352.6	342.5	334.2	327.6
145°	442.9	415.7	390.8	364.4	345.7	336.0	325.4	318.5	311.2	305.6	300.4
147.5°	388.6	367.0	348.3	331.2	314.0	299.4	291.8	285.9	281.6	276.9	274.1
150°	345.8	331.0	316.9	303.5	290.9	278.4	267.8	257.5	251.9	250.0	247.8
152.5°	310.4	299.6	288.5	277.9	268.2	258.5	250.0	241.6	234.4	228.2	224.9
155°	278.5	270.2	261.9	253.3	245.6	238.6	231.6	225.1	220.9	217.1	214.2
157.5°	248.0	242.1	236.0	229.9	223.7	218.7	214.4	210.3	206.5	202.9	199.7
160°	219.2	215.0	211.0	207.1	203.2	199.4	195.7	192.3	188.9	185.7	181.7
162.5°	191.8	188.9	186.0	183.1	180.1	177.1	174.1	171.1	167.9	164.5	160.8
165°	162.4	160.5	158.4	156.8	155.0	153.1	150.8	148.4	145.7	142.4	138.8
167.5°	135.1	134.3	133.4	132.2	130.8	129.1	127.1	124.9	122.4	119.7	116.7
170°	110.0	109.4	108.6	107.7	106.5	105.1	103.4	101.2	98.8	96.2	93.5
172.5°	84.5	83.8	83.0	82.0	80.8	79.5	78.0	76.4	74.6	72.5	70.1
175°	56.8	56.2	55.4	54.6	53.6	52.5	51.4	50.1	48.7	47.2	45.7
177.5°	27.3	27.1	26.8	26.5	26.2	25.8	25.4	24.9	24.4	23.8	23.2
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	22.6	21.9	21.2	20.5	19.7	18.8	18.0	17.1	16.2	15.3	14.3
5°	44.0	42.3	40.5	38.9	37.4	35.7	34.0	32.3	30.5	28.6	26.7
7.5°	67.6	65.0	62.3	59.4	56.4	53.3	50.1	47.3	44.7	41.9	39.1
10°	90.5	87.3	84.2	80.2	76.2	72.1	67.8	63.4	58.9	55.1	51.3
12.5°	113.0	109.0	104.8	100.3	95.7	90.7	85.4	79.9	74.3	68.5	63.5
15°	134.8	130.6	126.8	120.6	114.9	109.0	102.8	96.3	89.6	82.7	75.7
17.5°	157.5	151.8	146.4	140.7	134.5	127.5	120.2	112.6	104.8	96.8	88.7
20°	177.2	172.5	167.2	160.6	153.6	146.3	137.8	129.0	119.9	110.8	101.6
22.5°	196.8	192.0	186.4	180.5	172.8	164.4	155.6	145.6	135.2	124.7	114.3
25°	210.9	208.5	204.9	198.5	193.5	186.6	178.7	170.3	160.6	150.6	140.4
27.5°	225.4	226.0	226.3	225.4	220.4	215.0	207.3	198.9	189.4	179.0	168.2
30°	247.9	248.3	248.4	248.3	246.5	240.9	234.7	226.3	218.1	206.8	195.9
32.5°	271.6	270.7	270.6	270.3	269.6	266.2	260.1	252.7	244.0	233.9	222.8
35°	296.9	294.1	292.9	292.3	291.5	290.2	284.7	278.7	269.7	260.4	249.3
37.5°	322.1	318.5	315.6	314.5	313.7	311.9	308.6	302.2	294.6	286.2	275.3
40°	347.9	342.3	339.2	336.6	335.3	333.6	331.5	325.7	318.8	310.8	300.8
42.5°	373.4	367.0	361.8	359.2	357.2	355.3	353.0	348.6	342.1	334.8	325.8
45°	400.3	390.4	385.0	381.4	379.0	376.9	374.4	371.1	364.8	358.2	350.4
47.5°	426.4	415.6	407.7	403.1	400.7	400.9	401.8	399.8	393.1	384.1	374.0
50°	457.8	442.6	443.4	448.4	451.2	450.4	446.3	438.9	427.2	412.5	398.2
52.5°	510.9	503.5	505.1	508.6	509.9	503.5	493.8	480.7	463.6	442.3	423.3
55°	571.6	563.7	564.4	569.3	571.0	560.1	544.3	525.1	502.2	473.9	449.3
57.5°	629.5	619.3	621.6	629.2	631.3	619.8	597.3	571.8	542.6	507.4	476.2
60°	681.4	672.1	677.1	686.8	691.9	682.4	652.8	620.6	584.2	542.3	503.9
62.5°	730.6	723.7	729.4	742.7	752.9	747.5	710.5	670.9	627.4	578.4	532.2
65°	775.8	770.8	778.4	797.0	813.9	809.9	770.1	722.8	671.8	615.5	561.1
67.5°	816.3	813.8	824.5	849.4	870.3	870.1	831.2	775.9	717.3	653.4	590.4
70°	853.7	854.9	870.7	897.5	916.6	911.3	867.0	800.2	733.2	664.3	597.0
72.5°	890.0	889.1	901.3	922.2	935.0	922.6	877.0	806.4	736.8	667.8	599.8
75°	921.0	920.0	930.8	948.4	957.4	935.9	886.5	812.2	739.6	670.5	602.0
77.5°	949.0	950.3	961.1	975.8	982.9	950.8	895.4	817.3	741.5	672.3	603.6
80°	974.7	980.0	992.0	1004.3	1010.8	966.7	903.5	821.8	742.5	673.3	604.7
82.5°	998.6	1009.5	1023.5	1033.8	1040.1	983.0	910.6	825.4	742.7	673.4	607.1
85°	1021.5	1038.9	1055.3	1063.9	1070.0	1002.2	919.5	830.5	743.7	674.2	606.3
87.5°	1043.7	1068.2	1087.5	1094.4	1100.5	1015.6	922.3	830.4	741.0	672.0	605.5
90°	1066.8	1098.4	1120.0	1125.4	1128.2	1028.9	925.1	830.3	738.3	669.7	604.7
92.5°	1043.7	1068.2	1087.5	1094.4	1100.5	1015.6	922.3	830.4	741.0	672.0	605.5
95°	1021.5	1038.9	1055.3	1063.9	1070.0	1002.2	919.5	830.5	743.7	674.2	606.3
97.5°	998.6	1009.5	1023.5	1033.8	1040.1	983.0	910.6	825.4	742.7	673.4	607.1
100°	974.7	980.0	992.0	1004.3	1010.8	966.7	903.5	821.8	742.5	673.3	604.7
102.5°	949.0	950.3	961.1	975.8	982.9	950.8	895.4	817.3	741.5	672.3	603.6
105°	921.0	920.0	930.8	948.4	957.4	935.9	886.5	812.2	739.6	670.5	602.0
107.5°	890.0	889.1	901.3	922.2	935.0	922.6	877.0	806.4	736.8	667.8	599.8
110°	853.7	854.9	870.7	897.5	916.6	911.3	867.0	800.2	733.2	664.3	597.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	816.3	813.8	824.5	849.4	870.3	870.1	831.2	775.9	717.3	653.4	590.4
115°	775.8	770.8	778.4	797.0	813.9	809.9	770.1	722.8	671.8	615.5	561.1
117.5°	730.6	723.7	729.4	742.7	752.9	747.5	710.5	670.9	627.4	578.4	532.2
120°	681.4	672.1	677.1	686.8	691.9	682.4	652.8	620.6	584.2	542.3	503.9
122.5°	629.5	619.3	621.6	629.2	631.3	619.8	597.3	571.8	542.6	507.4	476.2
125°	571.6	563.7	564.4	569.3	571.0	560.1	544.3	525.1	502.2	473.9	449.3
127.5°	510.9	503.5	505.1	508.6	509.9	503.5	493.8	480.7	463.6	442.3	423.3
130°	457.8	442.6	443.4	448.4	451.2	450.4	446.3	438.9	427.2	412.5	398.2
132.5°	426.4	415.6	407.7	403.1	400.7	400.9	401.8	399.8	393.1	384.1	374.0
135°	400.3	390.4	385.0	381.4	379.0	376.9	374.4	371.1	364.8	358.2	350.4
137.5°	373.4	367.0	361.8	359.2	357.2	355.3	353.0	348.6	342.1	334.8	325.8
140°	347.9	342.3	339.2	336.6	335.3	333.6	331.5	325.7	318.8	310.8	300.8
142.5°	322.1	318.5	315.6	314.5	313.7	311.9	308.6	302.2	294.6	286.2	275.3
145°	296.9	294.1	292.9	292.3	291.5	290.2	284.7	278.7	269.7	260.4	249.3
147.5°	271.6	270.7	270.6	270.3	269.6	266.2	260.1	252.7	244.0	233.9	222.8
150°	247.9	248.3	248.4	248.3	246.5	240.9	234.7	226.3	218.1	206.8	195.9
152.5°	225.4	226.0	226.3	225.4	220.4	215.0	207.3	198.9	189.4	179.0	168.2
155°	210.9	208.5	204.9	198.5	193.5	186.6	178.7	170.3	160.6	150.6	140.4
157.5°	196.8	192.0	186.4	180.5	172.8	164.4	155.6	145.6	135.2	124.7	114.3
160°	177.2	172.5	167.2	160.6	153.6	146.3	137.8	129.0	119.9	110.8	101.6
162.5°	157.5	151.8	146.4	140.7	134.5	127.5	120.2	112.6	104.8	96.8	88.7
165°	134.8	130.6	126.8	120.6	114.9	109.0	102.8	96.3	89.6	82.7	75.7
167.5°	113.0	109.0	104.8	100.3	95.7	90.7	85.4	79.9	74.3	68.5	63.5
170°	90.5	87.3	84.2	80.2	76.2	72.1	67.8	63.4	58.9	55.1	51.3
172.5°	67.6	65.0	62.3	59.4	56.4	53.3	50.1	47.3	44.7	41.9	39.1
175°	44.0	42.3	40.5	38.9	37.4	35.7	34.0	32.3	30.5	28.6	26.7
177.5°	22.6	21.9	21.2	20.5	19.7	18.8	18.0	17.1	16.2	15.3	14.3
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	13.3	12.3	11.3	10.2	10.2	10.1	10.0	10.0	9.9	9.7	9.6
5°	24.8	22.8	20.7	18.6	18.5	18.3	18.1	17.8	17.6	17.3	17.0
7.5°	36.1	33.2	30.1	27.1	26.7	26.3	25.9	25.5	25.0	24.4	23.8
10°	47.5	43.6	39.6	35.5	34.9	34.3	33.6	32.8	32.0	31.3	30.6
12.5°	58.7	53.9	48.9	43.9	43.0	42.0	41.0	39.9	38.9	38.1	37.3
15°	69.9	64.1	58.3	52.3	51.0	49.7	48.2	46.9	45.9	44.9	43.9
17.5°	81.0	74.4	67.6	60.8	59.0	57.2	55.3	53.9	52.8	51.7	50.5
20°	92.1	84.5	76.9	69.2	66.9	64.6	62.3	61.0	59.7	58.4	57.2
22.5°	103.8	94.6	86.2	77.6	74.8	71.9	69.5	68.1	66.5	65.2	63.8
25°	129.9	119.8	110.6	101.0	96.9	92.5	89.1	86.1	83.0	79.9	76.7
27.5°	156.9	145.4	135.1	124.3	119.0	113.4	109.3	105.3	101.3	97.1	92.8
30°	183.7	171.2	159.7	147.7	141.0	134.0	129.1	124.0	118.9	113.5	108.4
32.5°	210.3	197.1	184.3	171.1	162.9	154.7	148.6	142.3	135.8	129.4	123.4
35°	236.8	222.9	208.9	194.4	184.6	175.2	167.8	160.1	152.1	144.9	137.8
37.5°	263.1	248.6	233.5	217.8	206.2	195.5	186.6	177.4	168.2	159.9	151.2
40°	289.2	274.2	258.1	241.2	227.7	215.5	205.2	194.2	183.7	174.5	164.1
42.5°	315.0	299.6	282.8	264.5	249.1	235.4	223.8	210.7	199.1	189.0	176.4
45°	340.0	324.9	307.4	287.9	270.4	255.2	241.3	226.7	214.3	201.9	188.2
47.5°	359.7	341.7	321.5	299.9	280.4	263.4	247.9	232.2	220.2	207.9	195.2
50°	379.6	358.3	335.4	312.0	290.1	271.0	253.1	235.6	222.4	209.6	197.2
52.5°	400.2	375.1	349.4	324.0	299.8	278.3	258.0	239.1	224.4	211.8	199.8
55°	421.6	392.2	363.4	336.0	309.4	285.4	262.7	242.4	226.6	214.3	202.8
57.5°	443.6	409.5	377.5	348.1	319.0	292.4	267.2	245.6	229.2	217.2	206.4
60°	466.1	427.0	391.5	360.1	328.5	299.2	271.6	248.6	232.1	220.7	210.8
62.5°	489.1	444.5	405.5	372.1	338.0	305.9	275.9	251.6	235.3	224.6	215.0
65°	512.5	462.2	419.6	384.2	347.5	312.6	280.1	254.6	238.8	228.8	220.1
67.5°	536.2	479.9	433.6	396.2	357.0	319.2	284.3	257.5	242.5	233.3	225.7
70°	541.6	484.2	436.9	395.4	355.2	316.3	281.4	255.4	241.2	232.4	226.2
72.5°	545.1	487.8	440.2	394.6	353.4	313.3	278.3	253.0	238.7	229.5	223.8
75°	548.2	491.2	445.2	393.8	351.7	310.4	275.4	250.7	236.1	226.5	221.6
77.5°	550.9	494.3	448.0	393.0	350.0	307.7	272.8	248.7	233.6	223.6	219.6
80°	553.2	498.8	450.8	392.2	348.5	305.0	270.3	247.0	231.0	220.8	217.8
82.5°	556.5	500.9	453.7	391.4	347.0	302.5	268.1	245.4	228.6	218.0	216.0
85°	557.3	503.0	456.5	390.6	345.6	300.2	266.0	244.1	226.3	215.3	214.4
87.5°	558.0	505.1	459.3	389.8	344.2	298.0	264.2	242.9	224.0	212.7	212.8
90°	558.7	507.2	462.1	389.0	343.0	296.0	262.6	241.9	222.0	210.3	211.2
92.5°	558.0	505.1	459.3	389.8	344.2	298.0	264.2	242.9	224.0	212.7	212.8
95°	557.3	503.0	456.5	390.6	345.6	300.2	266.0	244.1	226.3	215.3	214.4
97.5°	556.5	500.9	453.7	391.4	347.0	302.5	268.1	245.4	228.6	218.0	216.0
100°	553.2	498.8	450.8	392.2	348.5	305.0	270.3	247.0	231.0	220.8	217.8
102.5°	550.9	494.3	448.0	393.0	350.0	307.7	272.8	248.7	233.6	223.6	219.6
105°	548.2	491.2	445.2	393.8	351.7	310.4	275.4	250.7	236.1	226.5	221.6
107.5°	545.1	487.8	440.2	394.6	353.4	313.3	278.3	253.0	238.7	229.5	223.8
110°	541.6	484.2	436.9	395.4	355.2	316.3	281.4	255.4	241.2	232.4	226.2



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	536.2	479.9	433.6	396.2	357.0	319.2	284.3	257.5	242.5	233.3	225.7
115°	512.5	462.2	419.6	384.2	347.5	312.6	280.1	254.6	238.8	228.8	220.1
117.5°	489.1	444.5	405.5	372.1	338.0	305.9	275.9	251.6	235.3	224.6	215.0
120°	466.1	427.0	391.5	360.1	328.5	299.2	271.6	248.6	232.1	220.7	210.8
122.5°	443.6	409.5	377.5	348.1	319.0	292.4	267.2	245.6	229.2	217.2	206.4
125°	421.6	392.2	363.4	336.0	309.4	285.4	262.7	242.4	226.6	214.3	202.8
127.5°	400.2	375.1	349.4	324.0	299.8	278.3	258.0	239.1	224.4	211.8	199.8
130°	379.6	358.3	335.4	312.0	290.1	271.0	253.1	235.6	222.4	209.6	197.2
132.5°	359.7	341.7	321.5	299.9	280.4	263.4	247.9	232.2	220.2	207.9	195.2
135°	340.0	324.9	307.4	287.9	270.4	255.2	241.3	226.7	214.3	201.9	188.2
137.5°	315.0	299.6	282.8	264.5	249.1	235.4	223.8	210.7	199.1	189.0	176.4
140°	289.2	274.2	258.1	241.2	227.7	215.5	205.2	194.2	183.7	174.5	164.1
142.5°	263.1	248.6	233.5	217.8	206.2	195.5	186.6	177.4	168.2	159.9	151.2
145°	236.8	222.9	208.9	194.4	184.6	175.2	167.8	160.1	152.1	144.9	137.8
147.5°	210.3	197.1	184.3	171.1	162.9	154.7	148.6	142.3	135.8	129.4	123.4
150°	183.7	171.2	159.7	147.7	141.0	134.0	129.1	124.0	118.9	113.5	108.4
152.5°	156.9	145.4	135.1	124.3	119.0	113.4	109.3	105.3	101.3	97.1	92.8
155°	129.9	119.8	110.6	101.0	96.9	92.5	89.1	86.1	83.0	79.9	76.7
157.5°	103.8	94.6	86.2	77.6	74.8	71.9	69.5	68.1	66.5	65.2	63.8
160°	92.1	84.5	76.9	69.2	66.9	64.6	62.3	61.0	59.7	58.4	57.2
162.5°	81.0	74.4	67.6	60.8	59.0	57.2	55.3	53.9	52.8	51.7	50.5
165°	69.9	64.1	58.3	52.3	51.0	49.7	48.2	46.9	45.9	44.9	43.9
167.5°	58.7	53.9	48.9	43.9	43.0	42.0	41.0	39.9	38.9	38.1	37.3
170°	47.5	43.6	39.6	35.5	34.9	34.3	33.6	32.8	32.0	31.3	30.6
172.5°	36.1	33.2	30.1	27.1	26.7	26.3	25.9	25.5	25.0	24.4	23.8
175°	24.8	22.8	20.7	18.6	18.5	18.3	18.1	17.8	17.6	17.3	17.0
177.5°	13.3	12.3	11.3	10.2	10.2	10.1	10.0	10.0	9.9	9.7	9.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4
5°	16.6	16.2	15.8	15.4	15.0	14.6	14.1	13.6	13.1	12.6	12.1
7.5°	23.3	22.7	22.2	21.6	20.9	20.3	19.6	18.8	18.1	17.4	16.6
10°	29.9	29.2	28.4	27.5	26.7	25.9	25.1	24.3	23.4	22.5	21.5
12.5°	36.4	35.4	34.5	33.7	32.7	31.8	30.8	29.7	28.5	27.3	26.1
15°	42.9	41.9	40.9	39.8	38.7	37.4	36.0	34.7	33.3	31.8	30.2
17.5°	49.4	48.3	47.1	45.7	44.2	42.6	41.0	39.3	37.5	35.7	33.9
20°	55.9	54.6	52.9	51.2	49.5	47.5	45.5	43.4	41.4	39.5	37.5
22.5°	62.3	60.5	58.6	56.5	54.2	51.9	49.6	47.5	45.4	43.2	40.6
25°	73.1	69.4	65.5	61.3	58.7	56.3	53.9	51.5	48.6	45.7	42.8
27.5°	88.5	83.9	78.8	73.7	68.9	64.3	59.4	54.3	51.0	48.2	45.6
30°	103.1	97.2	91.2	85.5	80.0	74.1	67.9	62.1	57.1	52.3	48.2
32.5°	116.8	109.7	102.9	96.4	89.5	82.3	75.7	69.8	64.2	58.9	53.8
35°	129.6	121.5	113.8	106.0	97.6	89.8	83.0	76.5	70.5	64.8	59.5
37.5°	141.8	132.7	123.9	114.3	105.0	97.0	89.4	82.5	76.1	70.1	64.7
40°	153.4	143.2	132.7	121.7	112.2	103.3	95.4	88.0	81.1	75.0	69.5
42.5°	164.5	153.1	140.6	129.0	118.6	109.4	100.8	92.9	85.8	79.6	73.5
45°	175.1	161.7	147.8	135.8	124.8	114.9	105.8	97.4	90.4	83.3	76.6
47.5°	182.9	169.3	155.1	141.9	130.7	120.1	110.1	102.0	94.1	86.3	79.7
50°	185.0	171.5	158.5	146.4	135.3	124.6	114.9	106.0	97.0	89.2	82.1
52.5°	187.6	174.6	161.8	150.0	138.8	128.3	119.5	109.7	99.7	91.6	83.8
55°	191.0	178.5	165.7	153.8	142.8	133.4	124.7	115.0	105.0	94.9	85.4
57.5°	195.2	182.8	170.1	158.1	147.2	139.2	130.7	120.8	110.0	99.0	89.1
60°	200.1	187.4	174.7	163.0	153.3	145.8	137.6	126.5	114.5	102.9	92.4
62.5°	205.4	192.5	179.6	168.3	160.0	153.0	144.3	132.0	118.5	106.5	95.5
65°	210.7	197.8	184.8	173.9	167.3	161.0	150.6	136.8	122.7	110.0	98.4
67.5°	216.3	203.4	190.6	180.6	175.1	169.6	156.9	141.5	126.8	113.5	101.5
70°	218.0	206.5	195.3	187.7	183.5	177.6	163.2	146.0	130.8	117.0	104.5
72.5°	215.8	205.4	195.4	188.3	184.2	177.9	164.9	149.3	134.7	120.6	107.5
75°	214.2	205.0	195.7	188.7	183.8	176.0	163.5	148.8	133.9	120.3	108.2
77.5°	212.9	205.1	196.2	188.9	183.3	174.7	163.1	148.7	133.2	119.2	107.1
80°	212.0	205.6	197.0	189.1	182.7	173.9	163.7	149.0	132.8	118.4	106.6
82.5°	211.3	206.5	198.0	189.3	182.0	173.7	165.1	149.7	132.7	118.1	106.7
85°	210.8	207.6	199.2	189.5	181.4	173.9	167.2	151.0	133.0	118.2	107.3
87.5°	210.5	208.9	200.6	189.8	180.8	174.4	169.7	152.8	133.9	118.8	108.5
90°	210.3	210.3	202.2	190.4	180.5	175.1	172.4	155.2	135.4	120.0	110.1
92.5°	210.5	208.9	200.6	189.8	180.8	174.4	169.7	152.8	133.9	118.8	108.5
95°	210.8	207.6	199.2	189.5	181.4	173.9	167.2	151.0	133.0	118.2	107.3
97.5°	211.3	206.5	198.0	189.3	182.0	173.7	165.1	149.7	132.7	118.1	106.7
100°	212.0	205.6	197.0	189.1	182.7	173.9	163.7	149.0	132.8	118.4	106.6
102.5°	212.9	205.1	196.2	188.9	183.3	174.7	163.1	148.7	133.2	119.2	107.1
105°	214.2	205.0	195.7	188.7	183.8	176.0	163.5	148.8	133.9	120.3	108.2
107.5°	215.8	205.4	195.4	188.3	184.2	177.9	164.9	149.3	134.7	120.6	107.5
110°	218.0	206.5	195.3	187.7	183.5	177.6	163.2	146.0	130.8	117.0	104.5



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	216.3	203.4	190.6	180.6	175.1	169.6	156.9	141.5	126.8	113.5	101.5
115°	210.7	197.8	184.8	173.9	167.3	161.0	150.6	136.8	122.7	110.0	98.4
117.5°	205.4	192.5	179.6	168.3	160.0	153.0	144.3	132.0	118.5	106.5	95.5
120°	200.1	187.4	174.7	163.0	153.3	145.8	137.6	126.5	114.5	102.9	92.4
122.5°	195.2	182.8	170.1	158.1	147.2	139.2	130.7	120.8	110.0	99.0	89.1
125°	191.0	178.5	165.7	153.8	142.8	133.4	124.7	115.0	105.0	94.9	85.4
127.5°	187.6	174.6	161.8	150.0	138.8	128.3	119.5	109.7	99.7	91.6	83.8
130°	185.0	171.5	158.5	146.4	135.3	124.6	114.9	106.0	97.0	89.2	82.1
132.5°	182.9	169.3	155.1	141.9	130.7	120.1	110.1	102.0	94.1	86.3	79.7
135°	175.1	161.7	147.8	135.8	124.8	114.9	105.8	97.4	90.4	83.3	76.6
137.5°	164.5	153.1	140.6	129.0	118.6	109.4	100.8	92.9	85.8	79.6	73.5
140°	153.4	143.2	132.7	121.7	112.2	103.3	95.4	88.0	81.1	75.0	69.5
142.5°	141.8	132.7	123.9	114.3	105.0	97.0	89.4	82.5	76.1	70.1	64.7
145°	129.6	121.5	113.8	106.0	97.6	89.8	83.0	76.5	70.5	64.8	59.5
147.5°	116.8	109.7	102.9	96.4	89.5	82.3	75.7	69.8	64.2	58.9	53.8
150°	103.1	97.2	91.2	85.5	80.0	74.1	67.9	62.1	57.1	52.3	48.2
152.5°	88.5	83.9	78.8	73.7	68.9	64.3	59.4	54.3	51.0	48.2	45.6
155°	73.1	69.4	65.5	61.3	58.7	56.3	53.9	51.5	48.6	45.7	42.8
157.5°	62.3	60.5	58.6	56.5	54.2	51.9	49.6	47.5	45.4	43.2	40.6
160°	55.9	54.6	52.9	51.2	49.5	47.5	45.5	43.4	41.4	39.5	37.5
162.5°	49.4	48.3	47.1	45.7	44.2	42.6	41.0	39.3	37.5	35.7	33.9
165°	42.9	41.9	40.9	39.8	38.7	37.4	36.0	34.7	33.3	31.8	30.2
167.5°	36.4	35.4	34.5	33.7	32.7	31.8	30.8	29.7	28.5	27.3	26.1
170°	29.9	29.2	28.4	27.5	26.7	25.9	25.1	24.3	23.4	22.5	21.5
172.5°	23.3	22.7	22.2	21.6	20.9	20.3	19.6	18.8	18.1	17.4	16.6
175°	16.6	16.2	15.8	15.4	15.0	14.6	14.1	13.6	13.1	12.6	12.1
177.5°	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	7.1	6.8	6.5	6.3	6.0	5.7	5.4	5.1	4.7	4.4	4.1
5°	11.6	11.0	10.4	9.8	9.2	8.6	8.0	7.4	6.8	6.1	5.5
7.5°	15.9	15.1	14.4	13.6	12.7	11.9	11.0	10.2	9.3	8.4	7.5
10°	20.6	19.5	18.5	17.4	16.3	15.2	14.0	12.9	11.7	10.6	9.4
12.5°	24.8	23.5	22.2	20.9	19.5	18.1	16.7	15.3	13.9	12.4	11.0
15°	28.7	27.1	25.5	23.8	22.2	20.6	19.0	17.4	15.8	14.2	12.5
17.5°	32.1	30.3	28.6	26.8	25.0	23.2	21.2	19.3	17.4	15.5	13.6
20°	35.5	33.5	31.2	29.0	26.8	24.7	22.6	20.6	18.7	16.7	14.7
22.5°	38.0	35.5	33.1	30.9	28.8	26.6	24.4	22.3	20.1	17.9	15.8
25°	40.3	37.9	35.5	33.1	30.7	28.4	26.0	23.7	21.4	19.2	16.9
27.5°	42.9	40.3	37.7	35.1	32.6	30.2	27.8	25.4	23.0	20.6	18.2
30°	45.4	42.5	40.0	37.4	34.8	32.4	29.9	27.4	24.9	22.4	19.9
32.5°	49.2	45.1	42.5	40.0	37.4	34.9	32.3	29.7	27.1	24.5	21.8
35°	54.6	50.3	46.2	42.8	40.1	37.4	34.8	32.2	29.5	26.6	23.6
37.5°	59.8	55.2	50.8	46.6	43.1	40.5	37.7	34.7	31.5	28.4	25.0
40°	64.2	59.2	54.8	50.8	47.1	43.4	40.1	36.6	33.1	29.6	26.2
42.5°	67.7	62.8	58.3	53.9	49.8	45.7	41.9	38.2	34.8	31.3	27.7
45°	71.1	65.8	60.7	56.0	51.4	47.2	43.6	40.3	36.5	32.6	28.7
47.5°	73.6	67.8	62.3	57.2	52.7	48.6	44.8	41.1	37.8	33.8	29.7
50°	75.4	69.2	63.4	58.3	53.6	49.2	45.1	41.4	38.1	34.5	30.0
52.5°	76.7	70.2	64.2	58.8	53.8	49.2	45.1	41.2	37.5	34.2	30.7
55°	77.7	70.8	64.5	58.9	53.7	48.9	44.8	40.9	37.4	34.0	30.7
57.5°	79.9	71.3	64.6	58.7	53.3	48.8	44.5	40.6	36.8	33.1	29.7
60°	82.6	73.8	65.6	58.2	53.3	48.6	44.2	40.0	36.0	32.4	28.8
62.5°	85.4	76.1	67.4	60.2	53.8	48.3	43.7	39.5	35.6	31.7	27.9
65°	87.9	78.1	69.4	61.9	55.1	48.8	43.5	39.3	35.2	31.0	26.8
67.5°	90.4	80.2	71.2	63.5	56.2	49.8	44.4	39.3	34.9	30.5	26.2
70°	92.9	82.3	73.0	64.9	57.1	50.8	45.2	39.8	34.8	30.3	25.5
72.5°	95.4	84.4	74.9	66.2	58.4	51.9	45.9	40.0	34.6	29.6	24.7
75°	97.1	86.5	76.9	67.4	59.8	53.1	46.3	39.9	33.9	28.0	23.0
77.5°	96.4	86.6	77.5	68.7	61.2	54.2	46.7	39.7	32.6	26.1	20.7
80°	96.5	87.1	77.9	69.4	61.7	54.1	46.7	39.2	31.2	23.9	17.7
82.5°	97.3	88.1	78.8	70.5	62.1	53.9	46.0	37.9	29.7	21.6	14.3
85°	98.6	89.5	80.3	72.1	62.6	54.0	45.7	37.1	28.9	20.4	12.7
87.5°	100.6	91.5	82.3	74.2	63.5	54.7	46.0	37.1	28.9	20.1	12.1
90°	102.9	93.9	84.8	76.7	65.0	56.0	46.9	37.9	29.8	20.8	12.6
92.5°	100.6	91.5	82.3	74.2	63.5	54.7	46.0	37.1	28.9	20.1	12.1
95°	98.6	89.5	80.3	72.1	62.6	54.0	45.7	37.1	28.9	20.4	12.7
97.5°	97.3	88.1	78.8	70.5	62.1	53.9	46.0	37.9	29.7	21.6	14.3
100°	96.5	87.1	77.9	69.4	61.7	54.1	46.7	39.2	31.2	23.9	17.7
102.5°	96.4	86.6	77.5	68.7	61.2	54.2	46.7	39.7	32.6	26.1	20.7
105°	97.1	86.5	76.9	67.4	59.8	53.1	46.3	39.9	33.9	28.0	23.0
107.5°	95.4	84.4	74.9	66.2	58.4	51.9	45.9	40.0	34.6	29.6	24.7
110°	92.9	82.3	73.0	64.9	57.1	50.8	45.2	39.8	34.8	30.3	25.5





TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	90.4	80.2	71.2	63.5	56.2	49.8	44.4	39.3	34.9	30.5	26.2
115°	87.9	78.1	69.4	61.9	55.1	48.8	43.5	39.3	35.2	31.0	26.8
117.5°	85.4	76.1	67.4	60.2	53.8	48.3	43.7	39.5	35.6	31.7	27.9
120°	82.6	73.8	65.6	58.2	53.3	48.6	44.2	40.0	36.0	32.4	28.8
122.5°	79.9	71.3	64.6	58.7	53.3	48.8	44.5	40.6	36.8	33.1	29.7
125°	77.7	70.8	64.5	58.9	53.7	48.9	44.8	40.9	37.4	34.0	30.7
127.5°	76.7	70.2	64.2	58.8	53.8	49.2	45.1	41.2	37.5	34.2	30.7
130°	75.4	69.2	63.4	58.3	53.6	49.2	45.1	41.4	38.1	34.5	30.0
132.5°	73.6	67.8	62.3	57.2	52.7	48.6	44.8	41.1	37.8	33.8	29.7
135°	71.1	65.8	60.7	56.0	51.4	47.2	43.6	40.3	36.5	32.6	28.7
137.5°	67.7	62.8	58.3	53.9	49.8	45.7	41.9	38.2	34.8	31.3	27.7
140°	64.2	59.2	54.8	50.8	47.1	43.4	40.1	36.6	33.1	29.6	26.2
142.5°	59.8	55.2	50.8	46.6	43.1	40.5	37.7	34.7	31.5	28.4	25.0
145°	54.6	50.3	46.2	42.8	40.1	37.4	34.8	32.2	29.5	26.6	23.6
147.5°	49.2	45.1	42.5	40.0	37.4	34.9	32.3	29.7	27.1	24.5	21.8
150°	45.4	42.5	40.0	37.4	34.8	32.4	29.9	27.4	24.9	22.4	19.9
152.5°	42.9	40.3	37.7	35.1	32.6	30.2	27.8	25.4	23.0	20.6	18.2
155°	40.3	37.9	35.5	33.1	30.7	28.4	26.0	23.7	21.4	19.2	16.9
157.5°	38.0	35.5	33.1	30.9	28.8	26.6	24.4	22.3	20.1	17.9	15.8
160°	35.5	33.5	31.2	29.0	26.8	24.7	22.6	20.6	18.7	16.7	14.7
162.5°	32.1	30.3	28.6	26.8	25.0	23.2	21.2	19.3	17.4	15.5	13.6
165°	28.7	27.1	25.5	23.8	22.2	20.6	19.0	17.4	15.8	14.2	12.5
167.5°	24.8	23.5	22.2	20.9	19.5	18.1	16.7	15.3	13.9	12.4	11.0
170°	20.6	19.5	18.5	17.4	16.3	15.2	14.0	12.9	11.7	10.6	9.4
172.5°	15.9	15.1	14.4	13.6	12.7	11.9	11.0	10.2	9.3	8.4	7.5
175°	11.6	11.0	10.4	9.8	9.2	8.6	8.0	7.4	6.8	6.1	5.5
177.5°	7.1	6.8	6.5	6.3	6.0	5.7	5.4	5.1	4.7	4.4	4.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.8	3.5	3.1	2.8	2.5	2.1	1.8	2.1	2.5	2.8	3.1
5°	4.8	4.2	3.5	2.9	2.2	1.6	0.9	1.6	2.2	2.9	3.5
7.5°	6.6	5.6	4.7	3.7	2.8	1.9	0.9	1.9	2.8	3.7	4.7
10°	8.2	7.0	5.8	4.6	3.3	2.1	0.9	2.1	3.3	4.6	5.8
12.5°	9.6	8.1	6.7	5.2	3.8	2.3	0.9	2.3	3.8	5.2	6.7
15°	10.9	9.2	7.6	5.9	4.2	2.6	0.9	2.6	4.2	5.9	7.6
17.5°	11.8	10.0	8.1	6.3	4.5	2.7	0.9	2.7	4.5	6.3	8.1
20°	12.7	10.8	8.8	6.8	4.8	2.9	0.9	2.9	4.8	6.8	8.8
22.5°	13.6	11.5	9.4	7.3	5.1	3.0	0.9	3.0	5.1	7.3	9.4
25°	14.6	12.3	10.1	7.8	5.5	3.2	0.9	3.2	5.5	7.8	10.1
27.5°	15.8	13.3	10.9	8.4	5.9	3.4	0.9	3.4	5.9	8.4	10.9
30°	17.4	14.8	12.3	9.7	7.1	4.5	1.8	4.5	7.1	9.7	12.3
32.5°	19.1	16.3	13.4	10.6	7.7	4.7	1.8	4.7	7.7	10.6	13.4
35°	20.6	17.5	14.4	11.3	8.1	5.0	1.8	5.0	8.1	11.3	14.4
37.5°	21.7	18.4	15.0	11.7	8.4	5.1	1.8	5.1	8.4	11.7	15.0
40°	22.8	19.3	15.9	12.4	8.9	5.3	1.8	5.3	8.9	12.4	15.9
42.5°	24.0	20.2	16.5	12.8	9.2	5.5	1.8	5.5	9.2	12.8	16.5
45°	24.8	20.9	17.1	13.3	9.4	5.6	1.8	5.6	9.4	13.3	17.1
47.5°	25.5	21.4	17.4	13.4	9.5	5.6	1.8	5.6	9.5	13.4	17.4
50°	25.8	21.7	17.7	13.7	9.7	5.7	1.8	5.7	9.7	13.7	17.7
52.5°	26.5	22.1	17.8	13.7	9.7	5.7	1.8	5.7	9.7	13.7	17.8
55°	26.4	22.0	17.7	13.6	9.6	5.7	1.8	5.7	9.6	13.6	17.7
57.5°	26.3	21.8	17.6	13.7	9.9	6.3	2.7	6.3	9.9	13.7	17.6
60°	25.4	21.4	17.1	13.1	9.5	6.0	2.7	6.0	9.5	13.1	17.1
62.5°	23.9	19.9	16.0	12.4	9.0	5.8	2.7	5.8	9.0	12.4	16.0
65°	22.8	18.9	15.1	11.6	8.4	5.5	2.7	5.5	8.4	11.6	15.1
67.5°	21.9	17.8	14.0	10.7	7.7	5.1	2.7	5.1	7.7	10.7	14.0
70°	20.9	16.6	12.8	9.8	7.3	4.9	2.7	4.9	7.3	9.8	12.8
72.5°	19.8	15.8	12.3	8.8	6.3	4.3	2.7	4.3	6.3	8.8	12.3
75°	19.3	15.0	10.8	7.3	4.8	3.5	2.7	3.5	4.8	7.3	10.8
77.5°	16.7	13.5	9.1	5.0	1.7	0.3	0.0	0.3	1.7	5.0	9.1
80°	12.9	9.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
82.5°	9.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	6.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	9.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	12.9	9.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
102.5°	16.7	13.5	9.1	5.0	1.7	0.3	0.0	0.3	1.7	5.0	9.1
105°	19.3	15.0	10.8	7.3	4.8	3.5	2.7	3.5	4.8	7.3	10.8
107.5°	19.8	15.8	12.3	8.8	6.3	4.3	2.7	4.3	6.3	8.8	12.3
110°	20.9	16.6	12.8	9.8	7.3	4.9	2.7	4.9	7.3	9.8	12.8



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	21.9	17.8	14.0	10.7	7.7	5.1	2.7	5.1	7.7	10.7	14.0
115°	22.8	18.9	15.1	11.6	8.4	5.5	2.7	5.5	8.4	11.6	15.1
117.5°	23.9	19.9	16.0	12.4	9.0	5.8	2.7	5.8	9.0	12.4	16.0
120°	25.4	21.4	17.1	13.1	9.5	6.0	2.7	6.0	9.5	13.1	17.1
122.5°	26.3	21.8	17.6	13.7	9.9	6.3	2.7	6.3	9.9	13.7	17.6
125°	26.4	22.0	17.7	13.6	9.6	5.7	1.8	5.7	9.6	13.6	17.7
127.5°	26.5	22.1	17.8	13.7	9.7	5.7	1.8	5.7	9.7	13.7	17.8
130°	25.8	21.7	17.7	13.7	9.7	5.7	1.8	5.7	9.7	13.7	17.7
132.5°	25.5	21.4	17.4	13.4	9.5	5.6	1.8	5.6	9.5	13.4	17.4
135°	24.8	20.9	17.1	13.3	9.4	5.6	1.8	5.6	9.4	13.3	17.1
137.5°	24.0	20.2	16.5	12.8	9.2	5.5	1.8	5.5	9.2	12.8	16.5
140°	22.8	19.3	15.9	12.4	8.9	5.3	1.8	5.3	8.9	12.4	15.9
142.5°	21.7	18.4	15.0	11.7	8.4	5.1	1.8	5.1	8.4	11.7	15.0
145°	20.6	17.5	14.4	11.3	8.1	5.0	1.8	5.0	8.1	11.3	14.4
147.5°	19.1	16.3	13.4	10.6	7.7	4.7	1.8	4.7	7.7	10.6	13.4
150°	17.4	14.8	12.3	9.7	7.1	4.5	1.8	4.5	7.1	9.7	12.3
152.5°	15.8	13.3	10.9	8.4	5.9	3.4	0.9	3.4	5.9	8.4	10.9
155°	14.6	12.3	10.1	7.8	5.5	3.2	0.9	3.2	5.5	7.8	10.1
157.5°	13.6	11.5	9.4	7.3	5.1	3.0	0.9	3.0	5.1	7.3	9.4
160°	12.7	10.8	8.8	6.8	4.8	2.9	0.9	2.9	4.8	6.8	8.8
162.5°	11.8	10.0	8.1	6.3	4.5	2.7	0.9	2.7	4.5	6.3	8.1
165°	10.9	9.2	7.6	5.9	4.2	2.6	0.9	2.6	4.2	5.9	7.6
167.5°	9.6	8.1	6.7	5.2	3.8	2.3	0.9	2.3	3.8	5.2	6.7
170°	8.2	7.0	5.8	4.6	3.3	2.1	0.9	2.1	3.3	4.6	5.8
172.5°	6.6	5.6	4.7	3.7	2.8	1.9	0.9	1.9	2.8	3.7	4.7
175°	4.8	4.2	3.5	2.9	2.2	1.6	0.9	1.6	2.2	2.9	3.5
177.5°	3.8	3.5	3.1	2.8	2.5	2.1	1.8	2.1	2.5	2.8	3.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.5	3.8	4.1	4.4	4.7	5.1	5.4	5.7	6.0	6.3	6.5
5°	4.2	4.8	5.5	6.1	6.8	7.4	8.0	8.6	9.2	9.8	10.4
7.5°	5.6	6.6	7.5	8.4	9.3	10.2	11.0	11.9	12.7	13.6	14.4
10°	7.0	8.2	9.4	10.6	11.7	12.9	14.0	15.2	16.3	17.4	18.5
12.5°	8.1	9.6	11.0	12.4	13.9	15.3	16.7	18.1	19.5	20.9	22.2
15°	9.2	10.9	12.5	14.2	15.8	17.4	19.0	20.6	22.2	23.8	25.5
17.5°	10.0	11.8	13.6	15.5	17.4	19.3	21.2	23.2	25.0	26.8	28.6
20°	10.8	12.7	14.7	16.7	18.7	20.6	22.6	24.7	26.8	29.0	31.2
22.5°	11.5	13.6	15.8	17.9	20.1	22.3	24.4	26.6	28.8	30.9	33.1
25°	12.3	14.6	16.9	19.2	21.4	23.7	26.0	28.4	30.7	33.1	35.5
27.5°	13.3	15.8	18.2	20.6	23.0	25.4	27.8	30.2	32.6	35.1	37.7
30°	14.8	17.4	19.9	22.4	24.9	27.4	29.9	32.4	34.8	37.4	40.0
32.5°	16.3	19.1	21.8	24.5	27.1	29.7	32.3	34.9	37.4	40.0	42.5
35°	17.5	20.6	23.6	26.6	29.5	32.2	34.8	37.4	40.1	42.8	46.2
37.5°	18.4	21.7	25.0	28.4	31.5	34.7	37.7	40.5	43.1	46.6	50.8
40°	19.3	22.8	26.2	29.6	33.1	36.6	40.1	43.4	47.1	50.8	54.8
42.5°	20.2	24.0	27.7	31.3	34.8	38.2	41.9	45.7	49.8	53.9	58.3
45°	20.9	24.8	28.7	32.6	36.5	40.3	43.6	47.2	51.4	56.0	60.7
47.5°	21.4	25.5	29.7	33.8	37.8	41.1	44.8	48.6	52.7	57.2	62.3
50°	21.7	25.8	30.0	34.5	38.1	41.4	45.1	49.2	53.6	58.3	63.4
52.5°	22.1	26.5	30.7	34.2	37.5	41.2	45.1	49.2	53.8	58.8	64.2
55°	22.0	26.4	30.7	34.0	37.4	40.9	44.8	48.9	53.7	58.9	64.5
57.5°	21.8	26.3	29.7	33.1	36.8	40.6	44.5	48.8	53.3	58.7	64.6
60°	21.4	25.4	28.8	32.4	36.0	40.0	44.2	48.6	53.3	58.2	65.6
62.5°	19.9	23.9	27.9	31.7	35.6	39.5	43.7	48.3	53.8	60.2	67.4
65°	18.9	22.8	26.8	31.0	35.2	39.3	43.5	48.8	55.1	61.9	69.4
67.5°	17.8	21.9	26.2	30.5	34.9	39.3	44.4	49.8	56.2	63.5	71.2
70°	16.6	20.9	25.5	30.3	34.8	39.8	45.2	50.8	57.1	64.9	73.0
72.5°	15.8	19.8	24.7	29.6	34.6	40.0	45.9	51.9	58.4	66.2	74.9
75°	15.0	19.3	23.0	28.0	33.9	39.9	46.3	53.1	59.8	67.4	76.9
77.5°	13.5	16.7	20.7	26.1	32.6	39.7	46.7	54.2	61.2	68.7	77.5
80°	9.6	12.9	17.7	23.9	31.2	39.2	46.7	54.1	61.7	69.4	77.9
82.5°	5.1	9.0	14.3	21.6	29.7	37.9	46.0	53.9	62.1	70.5	78.8
85°	1.7	6.5	12.7	20.4	28.9	37.1	45.7	54.0	62.6	72.1	80.3
87.5°	0.5	5.5	12.1	20.1	28.9	37.1	46.0	54.7	63.5	74.2	82.3
90°	0.0	5.4	12.6	20.8	29.8	37.9	46.9	56.0	65.0	76.7	84.8
92.5°	0.5	5.5	12.1	20.1	28.9	37.1	46.0	54.7	63.5	74.2	82.3
95°	1.7	6.5	12.7	20.4	28.9	37.1	45.7	54.0	62.6	72.1	80.3
97.5°	5.1	9.0	14.3	21.6	29.7	37.9	46.0	53.9	62.1	70.5	78.8
100°	9.6	12.9	17.7	23.9	31.2	39.2	46.7	54.1	61.7	69.4	77.9
102.5°	13.5	16.7	20.7	26.1	32.6	39.7	46.7	54.2	61.2	68.7	77.5
105°	15.0	19.3	23.0	28.0	33.9	39.9	46.3	53.1	59.8	67.4	76.9
107.5°	15.8	19.8	24.7	29.6	34.6	40.0	45.9	51.9	58.4	66.2	74.9
110°	16.6	20.9	25.5	30.3	34.8	39.8	45.2	50.8	57.1	64.9	73.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-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	21.9	26.2	30.5	34.9	39.3	44.4	49.8	56.2	63.5	71.2
115°	18.9	22.8	26.8	31.0	35.2	39.3	43.5	48.8	55.1	61.9	69.4
117.5°	19.9	23.9	27.9	31.7	35.6	39.5	43.7	48.3	53.8	60.2	67.4
120°	21.4	25.4	28.8	32.4	36.0	40.0	44.2	48.6	53.3	58.2	65.6
122.5°	21.8	26.3	29.7	33.1	36.8	40.6	44.5	48.8	53.3	58.7	64.6
125°	22.0	26.4	30.7	34.0	37.4	40.9	44.8	48.9	53.7	58.9	64.5
127.5°	22.1	26.5	30.7	34.2	37.5	41.2	45.1	49.2	53.8	58.8	64.2
130°	21.7	25.8	30.0	34.5	38.1	41.4	45.1	49.2	53.6	58.3	63.4
132.5°	21.4	25.5	29.7	33.8	37.8	41.1	44.8	48.6	52.7	57.2	62.3
135°	20.9	24.8	28.7	32.6	36.5	40.3	43.6	47.2	51.4	56.0	60.7
137.5°	20.2	24.0	27.7	31.3	34.8	38.2	41.9	45.7	49.8	53.9	58.3
140°	19.3	22.8	26.2	29.6	33.1	36.6	40.1	43.4	47.1	50.8	54.8
142.5°	18.4	21.7	25.0	28.4	31.5	34.7	37.7	40.5	43.1	46.6	50.8
145°	17.5	20.6	23.6	26.6	29.5	32.2	34.8	37.4	40.1	42.8	46.2
147.5°	16.3	19.1	21.8	24.5	27.1	29.7	32.3	34.9	37.4	40.0	42.5
150°	14.8	17.4	19.9	22.4	24.9	27.4	29.9	32.4	34.8	37.4	40.0
152.5°	13.3	15.8	18.2	20.6	23.0	25.4	27.8	30.2	32.6	35.1	37.7
155°	12.3	14.6	16.9	19.2	21.4	23.7	26.0	28.4	30.7	33.1	35.5
157.5°	11.5	13.6	15.8	17.9	20.1	22.3	24.4	26.6	28.8	30.9	33.1
160°	10.8	12.7	14.7	16.7	18.7	20.6	22.6	24.7	26.8	29.0	31.2
162.5°	10.0	11.8	13.6	15.5	17.4	19.3	21.2	23.2	25.0	26.8	28.6
165°	9.2	10.9	12.5	14.2	15.8	17.4	19.0	20.6	22.2	23.8	25.5
167.5°	8.1	9.6	11.0	12.4	13.9	15.3	16.7	18.1	19.5	20.9	22.2
170°	7.0	8.2	9.4	10.6	11.7	12.9	14.0	15.2	16.3	17.4	18.5
172.5°	5.6	6.6	7.5	8.4	9.3	10.2	11.0	11.9	12.7	13.6	14.4
175°	4.2	4.8	5.5	6.1	6.8	7.4	8.0	8.6	9.2	9.8	10.4
177.5°	3.5	3.8	4.1	4.4	4.7	5.1	5.4	5.7	6.0	6.3	6.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.7	8.9	9.1
5°	11.0	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.0	15.4	15.8
7.5°	15.1	15.9	16.6	17.4	18.1	18.8	19.6	20.3	20.9	21.6	22.2
10°	19.5	20.6	21.5	22.5	23.4	24.3	25.1	25.9	26.7	27.5	28.4
12.5°	23.5	24.8	26.1	27.3	28.5	29.7	30.8	31.8	32.7	33.7	34.5
15°	27.1	28.7	30.2	31.8	33.3	34.7	36.0	37.4	38.7	39.8	40.9
17.5°	30.3	32.1	33.9	35.7	37.5	39.3	41.0	42.6	44.2	45.7	47.1
20°	33.5	35.5	37.5	39.5	41.4	43.4	45.5	47.5	49.5	51.2	52.9
22.5°	35.5	38.0	40.6	43.2	45.4	47.5	49.6	51.9	54.2	56.5	58.6
25°	37.9	40.3	42.8	45.7	48.6	51.5	53.9	56.3	58.7	61.3	65.5
27.5°	40.3	42.9	45.6	48.2	51.0	54.3	59.4	64.3	68.9	73.7	78.8
30°	42.5	45.4	48.2	52.3	57.1	62.1	67.9	74.1	80.0	85.5	91.2
32.5°	45.1	49.2	53.8	58.9	64.2	69.8	75.7	82.3	89.5	96.4	102.9
35°	50.3	54.6	59.5	64.8	70.5	76.5	83.0	89.8	97.6	106.0	113.8
37.5°	55.2	59.8	64.7	70.1	76.1	82.5	89.4	97.0	105.0	114.3	123.9
40°	59.2	64.2	69.5	75.0	81.1	88.0	95.4	103.3	112.2	121.7	132.7
42.5°	62.8	67.7	73.5	79.6	85.8	92.9	100.8	109.4	118.6	129.0	140.6
45°	65.8	71.1	76.6	83.3	90.4	97.4	105.8	114.9	124.8	135.8	147.8
47.5°	67.8	73.6	79.7	86.3	94.1	102.0	110.1	120.1	130.7	141.9	155.1
50°	69.2	75.4	82.1	89.2	97.0	106.0	114.9	124.6	135.3	146.4	158.5
52.5°	70.2	76.7	83.8	91.6	99.7	109.7	119.5	128.3	138.8	150.0	161.8
55°	70.8	77.7	85.4	94.9	105.0	115.0	124.7	133.4	142.8	153.8	165.7
57.5°	71.3	79.9	89.1	99.0	110.0	120.8	130.7	139.2	147.2	158.1	170.1
60°	73.8	82.6	92.4	102.9	114.5	126.5	137.6	145.8	153.3	163.0	174.7
62.5°	76.1	85.4	95.5	106.5	118.5	132.0	144.3	153.0	160.0	168.3	179.6
65°	78.1	87.9	98.4	110.0	122.7	136.8	150.6	161.0	167.3	173.9	184.8
67.5°	80.2	90.4	101.5	113.5	126.8	141.5	156.9	169.6	175.1	180.6	190.6
70°	82.3	92.9	104.5	117.0	130.8	146.0	163.2	177.6	183.5	187.7	195.3
72.5°	84.4	95.4	107.5	120.6	134.7	149.3	164.9	177.9	184.2	188.3	195.4
75°	86.5	97.1	108.2	120.3	133.9	148.8	163.5	176.0	183.8	188.7	195.7
77.5°	86.6	96.4	107.1	119.2	133.2	148.7	163.1	174.7	183.3	188.9	196.2
80°	87.1	96.5	106.6	118.4	132.8	149.0	163.7	173.9	182.7	189.1	197.0
82.5°	88.1	97.3	106.7	118.1	132.7	149.7	165.1	173.7	182.0	189.3	198.0
85°	89.5	98.6	107.3	118.2	133.0	151.0	167.2	173.9	181.4	189.5	199.2
87.5°	91.5	100.6	108.5	118.8	133.9	152.8	169.7	174.4	180.8	189.8	200.6
90°	93.9	102.9	110.1	120.0	135.4	155.2	172.4	175.1	180.5	190.4	202.2
92.5°	91.5	100.6	108.5	118.8	133.9	152.8	169.7	174.4	180.8	189.8	200.6
95°	89.5	98.6	107.3	118.2	133.0	151.0	167.2	173.9	181.4	189.5	199.2
97.5°	88.1	97.3	106.7	118.1	132.7	149.7	165.1	173.7	182.0	189.3	198.0
100°	87.1	96.5	106.6	118.4	132.8	149.0	163.7	173.9	182.7	189.1	197.0
102.5°	86.6	96.4	107.1	119.2	133.2	148.7	163.1	174.7	183.3	188.9	196.2
105°	86.5	97.1	108.2	120.3	133.9	148.8	163.5	176.0	183.8	188.7	195.7
107.5°	84.4	95.4	107.5	120.6	134.7	149.3	164.9	177.9	184.2	188.3	195.4
110°	82.3	92.9	104.5	117.0	130.8	146.0	163.2	177.6	183.5	187.7	195.3



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	80.2	90.4	101.5	113.5	126.8	141.5	156.9	169.6	175.1	180.6	190.6
115°	78.1	87.9	98.4	110.0	122.7	136.8	150.6	161.0	167.3	173.9	184.8
117.5°	76.1	85.4	95.5	106.5	118.5	132.0	144.3	153.0	160.0	168.3	179.6
120°	73.8	82.6	92.4	102.9	114.5	126.5	137.6	145.8	153.3	163.0	174.7
122.5°	71.3	79.9	89.1	99.0	110.0	120.8	130.7	139.2	147.2	158.1	170.1
125°	70.8	77.7	85.4	94.9	105.0	115.0	124.7	133.4	142.8	153.8	165.7
127.5°	70.2	76.7	83.8	91.6	99.7	109.7	119.5	128.3	138.8	150.0	161.8
130°	69.2	75.4	82.1	89.2	97.0	106.0	114.9	124.6	135.3	146.4	158.5
132.5°	67.8	73.6	79.7	86.3	94.1	102.0	110.1	120.1	130.7	141.9	155.1
135°	65.8	71.1	76.6	83.3	90.4	97.4	105.8	114.9	124.8	135.8	147.8
137.5°	62.8	67.7	73.5	79.6	85.8	92.9	100.8	109.4	118.6	129.0	140.6
140°	59.2	64.2	69.5	75.0	81.1	88.0	95.4	103.3	112.2	121.7	132.7
142.5°	55.2	59.8	64.7	70.1	76.1	82.5	89.4	97.0	105.0	114.3	123.9
145°	50.3	54.6	59.5	64.8	70.5	76.5	83.0	89.8	97.6	106.0	113.8
147.5°	45.1	49.2	53.8	58.9	64.2	69.8	75.7	82.3	89.5	96.4	102.9
150°	42.5	45.4	48.2	52.3	57.1	62.1	67.9	74.1	80.0	85.5	91.2
152.5°	40.3	42.9	45.6	48.2	51.0	54.3	59.4	64.3	68.9	73.7	78.8
155°	37.9	40.3	42.8	45.7	48.6	51.5	53.9	56.3	58.7	61.3	65.5
157.5°	35.5	38.0	40.6	43.2	45.4	47.5	49.6	51.9	54.2	56.5	58.6
160°	33.5	35.5	37.5	39.5	41.4	43.4	45.5	47.5	49.5	51.2	52.9
162.5°	30.3	32.1	33.9	35.7	37.5	39.3	41.0	42.6	44.2	45.7	47.1
165°	27.1	28.7	30.2	31.8	33.3	34.7	36.0	37.4	38.7	39.8	40.9
167.5°	23.5	24.8	26.1	27.3	28.5	29.7	30.8	31.8	32.7	33.7	34.5
170°	19.5	20.6	21.5	22.5	23.4	24.3	25.1	25.9	26.7	27.5	28.4
172.5°	15.1	15.9	16.6	17.4	18.1	18.8	19.6	20.3	20.9	21.6	22.2
175°	11.0	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.0	15.4	15.8
177.5°	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.7	8.9	9.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	9.3	9.5	9.6	9.7	9.9	10.0	10.0	10.1	10.2	10.2	11.3
5°	16.2	16.6	17.0	17.3	17.6	17.8	18.1	18.3	18.5	18.6	20.7
7.5°	22.7	23.3	23.8	24.4	25.0	25.5	25.9	26.3	26.7	27.1	30.1
10°	29.2	29.9	30.6	31.3	32.0	32.8	33.6	34.3	34.9	35.5	39.6
12.5°	35.4	36.4	37.3	38.1	38.9	39.9	41.0	42.0	43.0	43.9	48.9
15°	41.9	42.9	43.9	44.9	45.9	46.9	48.2	49.7	51.0	52.3	58.3
17.5°	48.3	49.4	50.5	51.7	52.8	53.9	55.3	57.2	59.0	60.8	67.6
20°	54.6	55.9	57.2	58.4	59.7	61.0	62.3	64.6	66.9	69.2	76.9
22.5°	60.5	62.3	63.8	65.2	66.5	68.1	69.5	71.9	74.8	77.6	86.2
25°	69.4	73.1	76.7	79.9	83.0	86.1	89.1	92.5	96.9	101.0	110.6
27.5°	83.9	88.5	92.8	97.1	101.3	105.3	109.3	113.4	119.0	124.3	135.1
30°	97.2	103.1	108.4	113.5	118.9	124.0	129.1	134.0	141.0	147.7	159.7
32.5°	109.7	116.8	123.4	129.4	135.8	142.3	148.6	154.7	162.9	171.1	184.3
35°	121.5	129.6	137.8	144.9	152.1	160.1	167.8	175.2	184.6	194.4	208.9
37.5°	132.7	141.8	151.2	159.9	168.2	177.4	186.6	195.5	206.2	217.8	233.5
40°	143.2	153.4	164.1	174.5	183.7	194.2	205.2	215.5	227.7	241.2	258.1
42.5°	153.1	164.5	176.4	189.0	199.1	210.7	223.8	235.4	249.1	264.5	282.8
45°	161.7	175.1	188.2	201.9	214.3	226.7	241.3	255.2	270.4	287.9	307.4
47.5°	169.3	182.9	195.2	207.9	220.2	232.2	247.9	263.4	280.4	299.9	321.5
50°	171.5	185.0	197.2	209.6	222.4	235.6	253.1	271.0	290.1	312.0	335.4
52.5°	174.6	187.6	199.8	211.8	224.4	239.1	258.0	278.3	299.8	324.0	349.4
55°	178.5	191.0	202.8	214.3	226.6	242.4	262.7	285.4	309.4	336.0	363.4
57.5°	182.8	195.2	206.4	217.2	229.2	245.6	267.2	292.4	319.0	348.1	377.5
60°	187.4	200.1	210.8	220.7	232.1	248.6	271.6	299.2	328.5	360.1	391.5
62.5°	192.5	205.4	215.0	224.6	235.3	251.6	275.9	305.9	338.0	372.1	405.5
65°	197.8	210.7	220.1	228.8	238.8	254.6	280.1	312.6	347.5	384.2	419.6
67.5°	203.4	216.3	225.7	233.3	242.5	257.5	284.3	319.2	357.0	396.2	433.6
70°	206.5	218.0	226.2	232.4	241.2	255.4	281.4	316.3	355.2	395.4	436.9
72.5°	205.4	215.8	223.8	229.5	238.7	253.0	278.3	313.3	353.4	394.6	440.2
75°	205.0	214.2	221.6	226.5	236.1	250.7	275.4	310.4	351.7	393.8	445.2
77.5°	205.1	212.9	219.6	223.6	233.6	248.7	272.8	307.7	350.0	393.0	448.0
80°	205.6	212.0	217.8	220.8	231.0	247.0	270.3	305.0	348.5	392.2	450.8
82.5°	206.5	211.3	216.0	218.0	228.6	245.4	268.1	302.5	347.0	391.4	453.7
85°	207.6	210.8	214.4	215.3	226.3	244.1	266.0	300.2	345.6	390.6	456.5
87.5°	208.9	210.5	212.8	212.7	224.0	242.9	264.2	298.0	344.2	389.8	459.3
90°	210.3	210.3	211.2	210.3	222.0	241.9	262.6	296.0	343.0	389.0	462.1
92.5°	208.9	210.5	212.8	212.7	224.0	242.9	264.2	298.0	344.2	389.8	459.3
95°	207.6	210.8	214.4	215.3	226.3	244.1	266.0	300.2	345.6	390.6	456.5
97.5°	206.5	211.3	216.0	218.0	228.6	245.4	268.1	302.5	347.0	391.4	453.7
100°	205.6	212.0	217.8	220.8	231.0	247.0	270.3	305.0	348.5	392.2	450.8
102.5°	205.1	212.9	219.6	223.6	233.6	248.7	272.8	307.7	350.0	393.0	448.0
105°	205.0	214.2	221.6	226.5	236.1	250.7	275.4	310.4	351.7	393.8	445.2
107.5°	205.4	215.8	223.8	229.5	238.7	253.0	278.3	313.3	353.4	394.6	440.2
110°	206.5	218.0	226.2	232.4	241.2	255.4	281.4	316.3	355.2	395.4	436.9





TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	203.4	216.3	225.7	233.3	242.5	257.5	284.3	319.2	357.0	396.2	433.6
115°	197.8	210.7	220.1	228.8	238.8	254.6	280.1	312.6	347.5	384.2	419.6
117.5°	192.5	205.4	215.0	224.6	235.3	251.6	275.9	305.9	338.0	372.1	405.5
120°	187.4	200.1	210.8	220.7	232.1	248.6	271.6	299.2	328.5	360.1	391.5
122.5°	182.8	195.2	206.4	217.2	229.2	245.6	267.2	292.4	319.0	348.1	377.5
125°	178.5	191.0	202.8	214.3	226.6	242.4	262.7	285.4	309.4	336.0	363.4
127.5°	174.6	187.6	199.8	211.8	224.4	239.1	258.0	278.3	299.8	324.0	349.4
130°	171.5	185.0	197.2	209.6	222.4	235.6	253.1	271.0	290.1	312.0	335.4
132.5°	169.3	182.9	195.2	207.9	220.2	232.2	247.9	263.4	280.4	299.9	321.5
135°	161.7	175.1	188.2	201.9	214.3	226.7	241.3	255.2	270.4	287.9	307.4
137.5°	153.1	164.5	176.4	189.0	199.1	210.7	223.8	235.4	249.1	264.5	282.8
140°	143.2	153.4	164.1	174.5	183.7	194.2	205.2	215.5	227.7	241.2	258.1
142.5°	132.7	141.8	151.2	159.9	168.2	177.4	186.6	195.5	206.2	217.8	233.5
145°	121.5	129.6	137.8	144.9	152.1	160.1	167.8	175.2	184.6	194.4	208.9
147.5°	109.7	116.8	123.4	129.4	135.8	142.3	148.6	154.7	162.9	171.1	184.3
150°	97.2	103.1	108.4	113.5	118.9	124.0	129.1	134.0	141.0	147.7	159.7
152.5°	83.9	88.5	92.8	97.1	101.3	105.3	109.3	113.4	119.0	124.3	135.1
155°	69.4	73.1	76.7	79.9	83.0	86.1	89.1	92.5	96.9	101.0	110.6
157.5°	60.5	62.3	63.8	65.2	66.5	68.1	69.5	71.9	74.8	77.6	86.2
160°	54.6	55.9	57.2	58.4	59.7	61.0	62.3	64.6	66.9	69.2	76.9
162.5°	48.3	49.4	50.5	51.7	52.8	53.9	55.3	57.2	59.0	60.8	67.6
165°	41.9	42.9	43.9	44.9	45.9	46.9	48.2	49.7	51.0	52.3	58.3
167.5°	35.4	36.4	37.3	38.1	38.9	39.9	41.0	42.0	43.0	43.9	48.9
170°	29.2	29.9	30.6	31.3	32.0	32.8	33.6	34.3	34.9	35.5	39.6
172.5°	22.7	23.3	23.8	24.4	25.0	25.5	25.9	26.3	26.7	27.1	30.1
175°	16.2	16.6	17.0	17.3	17.6	17.8	18.1	18.3	18.5	18.6	20.7
177.5°	9.3	9.5	9.6	9.7	9.9	10.0	10.0	10.1	10.2	10.2	11.3
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	12.3	13.3	14.3	15.3	16.2	17.1	18.0	18.8	19.7	20.5	21.2
5°	22.8	24.8	26.7	28.6	30.5	32.3	34.0	35.7	37.4	38.9	40.5
7.5°	33.2	36.1	39.1	41.9	44.7	47.3	50.1	53.3	56.4	59.4	62.3
10°	43.6	47.5	51.3	55.1	58.9	63.4	67.8	72.1	76.2	80.2	84.2
12.5°	53.9	58.7	63.5	68.5	74.3	79.9	85.4	90.7	95.7	100.3	104.8
15°	64.1	69.9	75.7	82.7	89.6	96.3	102.8	109.0	114.9	120.6	126.8
17.5°	74.4	81.0	88.7	96.8	104.8	112.6	120.2	127.5	134.5	140.7	146.4
20°	84.5	92.1	101.6	110.8	119.9	129.0	137.8	146.3	153.6	160.6	167.2
22.5°	94.6	103.8	114.3	124.7	135.2	145.6	155.6	164.4	172.8	180.5	186.4
25°	119.8	129.9	140.4	150.6	160.6	170.3	178.7	186.6	193.5	198.5	204.9
27.5°	145.4	156.9	168.2	179.0	189.4	198.9	207.3	215.0	220.4	225.4	226.3
30°	171.2	183.7	195.9	206.8	218.1	226.3	234.7	240.9	246.5	248.3	248.4
32.5°	197.1	210.3	222.8	233.9	244.0	252.7	260.1	266.2	269.6	270.3	270.6
35°	222.9	236.8	249.3	260.4	269.7	278.7	284.7	290.2	291.5	292.3	292.9
37.5°	248.6	263.1	275.3	286.2	294.6	302.2	308.6	311.9	313.7	314.5	315.6
40°	274.2	289.2	300.8	310.8	318.8	325.7	331.5	333.6	335.3	336.6	339.2
42.5°	299.6	315.0	325.8	334.8	342.1	348.6	353.0	355.3	357.2	359.2	361.8
45°	324.9	340.0	350.4	358.2	364.8	371.1	374.4	376.9	379.0	381.4	385.0
47.5°	341.7	359.7	374.0	384.1	393.1	399.8	401.8	400.9	400.7	403.1	407.7
50°	358.3	379.6	398.2	412.5	427.2	438.9	446.3	450.4	451.2	448.4	443.4
52.5°	375.1	400.2	423.3	442.3	463.6	480.7	493.8	503.5	509.9	508.6	505.1
55°	392.2	421.6	449.3	473.9	502.2	525.1	544.3	560.1	571.0	569.3	564.4
57.5°	409.5	443.6	476.2	507.4	542.6	571.8	597.3	619.8	631.3	629.2	621.6
60°	427.0	466.1	503.9	542.3	584.2	620.6	652.8	682.4	691.9	686.8	677.1
62.5°	444.5	489.1	532.2	578.4	627.4	670.9	710.5	747.5	752.9	742.7	729.4
65°	462.2	512.5	561.1	615.5	671.8	722.8	770.1	809.9	813.9	797.0	778.4
67.5°	479.9	536.2	590.4	653.4	717.3	775.9	831.2	870.1	870.3	849.4	824.5
70°	484.2	541.6	597.0	664.3	733.2	800.2	867.0	911.3	916.6	897.5	870.7
72.5°	487.8	545.1	599.8	667.8	736.8	806.4	877.0	922.6	935.0	922.2	901.3
75°	491.2	548.2	602.0	670.5	739.6	812.2	886.5	935.9	957.4	948.4	930.8
77.5°	494.3	550.9	603.6	672.3	741.5	817.3	895.4	950.8	982.9	975.8	961.1
80°	498.8	553.2	604.7	673.3	742.5	821.8	903.5	966.7	1010.8	1004.3	992.0
82.5°	500.9	556.5	607.1	673.4	742.7	825.4	910.6	983.0	1040.1	1033.8	1023.5
85°	503.0	557.3	606.3	674.2	743.7	830.5	919.5	1002.2	1070.0	1063.9	1055.3
87.5°	505.1	558.0	605.5	672.0	741.0	830.4	922.3	1015.6	1100.5	1094.4	1087.5
90°	507.2	558.7	604.7	669.7	738.3	830.3	925.1	1028.9	1128.2	1125.4	1120.0
92.5°	505.1	558.0	605.5	672.0	741.0	830.4	922.3	1015.6	1100.5	1094.4	1087.5
95°	503.0	557.3	606.3	674.2	743.7	830.5	919.5	1002.2	1070.0	1063.9	1055.3
97.5°	500.9	556.5	607.1	673.4	742.7	825.4	910.6	983.0	1040.1	1033.8	1023.5
100°	498.8	553.2	604.7	673.3	742.5	821.8	903.5	966.7	1010.8	1004.3	992.0
102.5°	494.3	550.9	603.6	672.3	741.5	817.3	895.4	950.8	982.9	975.8	961.1
105°	491.2	548.2	602.0	670.5	739.6	812.2	886.5	935.9	957.4	948.4	930.8
107.5°	487.8	545.1	599.8	667.8	736.8	806.4	877.0	922.6	935.0	922.2	901.3
110°	484.2	541.6	597.0	664.3	733.2	800.2	867.0	911.3	916.6	897.5	870.7



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	479.9	536.2	590.4	653.4	717.3	775.9	831.2	870.1	870.3	849.4	824.5
115°	462.2	512.5	561.1	615.5	671.8	722.8	770.1	809.9	813.9	797.0	778.4
117.5°	444.5	489.1	532.2	578.4	627.4	670.9	710.5	747.5	752.9	742.7	729.4
120°	427.0	466.1	503.9	542.3	584.2	620.6	652.8	682.4	691.9	686.8	677.1
122.5°	409.5	443.6	476.2	507.4	542.6	571.8	597.3	619.8	631.3	629.2	621.6
125°	392.2	421.6	449.3	473.9	502.2	525.1	544.3	560.1	571.0	569.3	564.4
127.5°	375.1	400.2	423.3	442.3	463.6	480.7	493.8	503.5	509.9	508.6	505.1
130°	358.3	379.6	398.2	412.5	427.2	438.9	446.3	450.4	451.2	448.4	443.4
132.5°	341.7	359.7	374.0	384.1	393.1	399.8	401.8	400.9	400.7	403.1	407.7
135°	324.9	340.0	350.4	358.2	364.8	371.1	374.4	376.9	379.0	381.4	385.0
137.5°	299.6	315.0	325.8	334.8	342.1	348.6	353.0	355.3	357.2	359.2	361.8
140°	274.2	289.2	300.8	310.8	318.8	325.7	331.5	333.6	335.3	336.6	339.2
142.5°	248.6	263.1	275.3	286.2	294.6	302.2	308.6	311.9	313.7	314.5	315.6
145°	222.9	236.8	249.3	260.4	269.7	278.7	284.7	290.2	291.5	292.3	292.9
147.5°	197.1	210.3	222.8	233.9	244.0	252.7	260.1	266.2	269.6	270.3	270.6
150°	171.2	183.7	195.9	206.8	218.1	226.3	234.7	240.9	246.5	248.3	248.4
152.5°	145.4	156.9	168.2	179.0	189.4	198.9	207.3	215.0	220.4	225.4	226.3
155°	119.8	129.9	140.4	150.6	160.6	170.3	178.7	186.6	193.5	198.5	204.9
157.5°	94.6	103.8	114.3	124.7	135.2	145.6	155.6	164.4	172.8	180.5	186.4
160°	84.5	92.1	101.6	110.8	119.9	129.0	137.8	146.3	153.6	160.6	167.2
162.5°	74.4	81.0	88.7	96.8	104.8	112.6	120.2	127.5	134.5	140.7	146.4
165°	64.1	69.9	75.7	82.7	89.6	96.3	102.8	109.0	114.9	120.6	126.8
167.5°	53.9	58.7	63.5	68.5	74.3	79.9	85.4	90.7	95.7	100.3	104.8
170°	43.6	47.5	51.3	55.1	58.9	63.4	67.8	72.1	76.2	80.2	84.2
172.5°	33.2	36.1	39.1	41.9	44.7	47.3	50.1	53.3	56.4	59.4	62.3
175°	22.8	24.8	26.7	28.6	30.5	32.3	34.0	35.7	37.4	38.9	40.5
177.5°	12.3	13.3	14.3	15.3	16.2	17.1	18.0	18.8	19.7	20.5	21.2
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	21.9	22.6	23.2	23.8	24.4	24.9	25.4	25.8	26.2	26.5	26.8
5°	42.3	44.0	45.7	47.2	48.7	50.1	51.4	52.5	53.6	54.6	55.4
7.5°	65.0	67.6	70.1	72.5	74.6	76.4	78.0	79.5	80.8	82.0	83.0
10°	87.3	90.5	93.5	96.2	98.8	101.2	103.4	105.1	106.5	107.7	108.6
12.5°	109.0	113.0	116.7	119.7	122.4	124.9	127.1	129.1	130.8	132.2	133.4
15°	130.6	134.8	138.8	142.4	145.7	148.4	150.8	153.1	155.0	156.8	158.4
17.5°	151.8	157.5	160.8	164.5	167.9	171.1	174.1	177.1	180.1	183.1	186.0
20°	172.5	177.2	181.7	185.7	188.9	192.3	195.7	199.4	203.2	207.1	211.0
22.5°	192.0	196.8	199.7	202.9	206.5	210.3	214.4	218.7	223.7	229.9	236.0
25°	208.5	210.9	214.2	217.1	220.9	225.1	231.6	238.6	245.6	253.3	261.9
27.5°	226.0	225.4	224.9	228.2	234.4	241.6	250.0	258.5	268.2	277.9	288.5
30°	248.3	247.9	247.8	250.0	251.9	257.5	267.8	278.4	290.9	303.5	316.9
32.5°	270.7	271.6	274.1	276.9	281.6	285.9	291.8	299.4	314.0	331.2	348.3
35°	294.1	296.9	300.4	305.6	311.2	318.5	325.4	336.0	345.7	364.4	390.8
37.5°	318.5	322.1	327.6	334.2	342.5	352.6	365.1	379.3	399.9	421.4	444.4
40°	342.3	347.9	354.9	364.0	376.3	390.7	411.3	434.9	461.6	490.4	518.9
42.5°	367.0	373.4	383.2	396.6	412.8	437.4	463.9	496.3	531.3	563.4	596.8
45°	390.4	400.3	413.2	431.4	457.7	487.0	523.0	559.5	599.0	639.2	683.1
47.5°	415.6	426.4	446.4	472.2	504.2	542.1	582.0	625.6	671.9	720.2	770.1
50°	442.6	457.8	481.2	515.7	554.2	595.8	643.3	693.6	748.6	800.9	856.3
52.5°	503.5	510.9	531.2	560.0	604.4	652.4	705.2	763.2	819.2	879.4	942.8
55°	563.7	571.6	593.8	622.1	661.7	708.8	765.3	826.3	889.0	954.4	1028.5
57.5°	619.3	629.5	649.9	679.6	722.4	773.2	828.6	888.1	953.5	1027.9	1110.1
60°	672.1	681.4	701.8	735.3	779.8	831.7	888.8	950.2	1018.6	1094.6	1190.1
62.5°	723.7	730.6	749.0	784.8	832.4	885.0	942.8	1006.9	1082.5	1169.3	1266.2
65°	770.8	775.8	796.0	832.2	879.6	931.4	990.7	1062.6	1144.6	1237.0	1341.9
67.5°	813.8	816.3	838.0	875.9	921.8	973.5	1035.3	1111.9	1199.0	1298.7	1424.5
70°	854.9	853.7	875.4	915.0	958.1	1010.2	1078.0	1157.8	1247.4	1353.3	1497.6
72.5°	889.1	890.0	911.2	949.5	989.6	1043.7	1114.8	1195.1	1286.9	1406.0	1550.2
75°	920.0	921.0	939.9	971.5	1010.5	1066.9	1143.5	1225.3	1316.2	1443.5	1600.6
77.5°	950.3	949.0	964.2	988.6	1024.6	1082.2	1159.3	1247.3	1349.7	1481.3	1642.3
80°	980.0	974.7	985.1	1001.7	1034.6	1092.1	1171.9	1265.9	1377.0	1518.4	1683.6
82.5°	1009.5	998.6	1003.1	1011.4	1041.0	1097.2	1180.9	1280.7	1396.4	1543.7	1718.4
85°	1038.9	1021.5	1019.2	1018.9	1044.6	1098.1	1186.1	1291.1	1408.0	1557.4	1744.7
87.5°	1068.2	1043.7	1033.9	1024.8	1046.4	1096.6	1189.4	1299.6	1415.6	1564.9	1767.2
90°	1098.4	1066.8	1048.7	1030.7	1046.0	1090.2	1184.1	1296.9	1409.7	1553.2	1763.5
92.5°	1068.2	1043.7	1033.9	1024.8	1046.4	1096.6	1189.4	1299.6	1415.6	1564.9	1767.2
95°	1038.9	1021.5	1019.2	1018.9	1044.6	1098.1	1186.1	1291.1	1408.0	1557.4	1744.7
97.5°	1009.5	998.6	1003.1	1011.4	1041.0	1097.2	1180.9	1280.7	1396.4	1543.7	1718.4
100°	980.0	974.7	985.1	1001.7	1034.6	1092.1	1171.9	1265.9	1377.0	1518.4	1683.6
102.5°	950.3	949.0	964.2	988.6	1024.6	1082.2	1159.3	1247.3	1349.7	1481.3	1642.3
105°	920.0	921.0	939.9	971.5	1010.5	1066.9	1143.5	1225.3	1316.2	1443.5	1600.6
107.5°	889.1	890.0	911.2	949.5	989.6	1043.7	1114.8	1195.1	1286.9	1406.0	1550.2
110°	854.9	853.7	875.4	915.0	958.1	1010.2	1078.0	1157.8	1247.4	1353.3	1497.6



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	813.8	816.3	838.0	875.9	921.8	973.5	1035.3	1111.9	1199.0	1298.7	1424.5
115°	770.8	775.8	796.0	832.2	879.6	931.4	990.7	1062.6	1144.6	1237.0	1341.9
117.5°	723.7	730.6	749.0	784.8	832.4	885.0	942.8	1006.9	1082.5	1169.3	1266.2
120°	672.1	681.4	701.8	735.3	779.8	831.7	888.8	950.2	1018.6	1094.6	1190.1
122.5°	619.3	629.5	649.9	679.6	722.4	773.2	828.6	888.1	953.5	1027.9	1110.1
125°	563.7	571.6	593.8	622.1	661.7	708.8	765.3	826.3	889.0	954.4	1028.5
127.5°	503.5	510.9	531.2	560.0	604.4	652.4	705.2	763.2	819.2	879.4	942.8
130°	442.6	457.8	481.2	515.7	554.2	595.8	643.3	693.6	748.6	800.9	856.3
132.5°	415.6	426.4	446.4	472.2	504.2	542.1	582.0	625.6	671.9	720.2	770.1
135°	390.4	400.3	413.2	431.4	457.7	487.0	523.0	559.5	599.0	639.2	683.1
137.5°	367.0	373.4	383.2	396.6	412.8	437.4	463.9	496.3	531.3	563.4	596.8
140°	342.3	347.9	354.9	364.0	376.3	390.7	411.3	434.9	461.6	490.4	518.9
142.5°	318.5	322.1	327.6	334.2	342.5	352.6	365.1	379.3	399.9	421.4	444.4
145°	294.1	296.9	300.4	305.6	311.2	318.5	325.4	336.0	345.7	364.4	390.8
147.5°	270.7	271.6	274.1	276.9	281.6	285.9	291.8	299.4	314.0	331.2	348.3
150°	248.3	247.9	247.8	250.0	251.9	257.5	267.8	278.4	290.9	303.5	316.9
152.5°	226.0	225.4	224.9	228.2	234.4	241.6	250.0	258.5	268.2	277.9	288.5
155°	208.5	210.9	214.2	217.1	220.9	225.1	231.6	238.6	245.6	253.3	261.9
157.5°	192.0	196.8	199.7	202.9	206.5	210.3	214.4	218.7	223.7	229.9	236.0
160°	172.5	177.2	181.7	185.7	188.9	192.3	195.7	199.4	203.2	207.1	211.0
162.5°	151.8	157.5	160.8	164.5	167.9	171.1	174.1	177.1	180.1	183.1	186.0
165°	130.6	134.8	138.8	142.4	145.7	148.4	150.8	153.1	155.0	156.8	158.4
167.5°	109.0	113.0	116.7	119.7	122.4	124.9	127.1	129.1	130.8	132.2	133.4
170°	87.3	90.5	93.5	96.2	98.8	101.2	103.4	105.1	106.5	107.7	108.6
172.5°	65.0	67.6	70.1	72.5	74.6	76.4	78.0	79.5	80.8	82.0	83.0
175°	42.3	44.0	45.7	47.2	48.7	50.1	51.4	52.5	53.6	54.6	55.4
177.5°	21.9	22.6	23.2	23.8	24.4	24.9	25.4	25.8	26.2	26.5	26.8
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	27.1	27.3	27.4	27.5	27.5	27.5	28.3	28.0	27.6	27.3	26.9
5°	56.2	56.8	57.3	57.7	58.0	58.1	58.2	58.1	58.8	58.1	57.4
7.5°	83.8	84.5	85.0	85.3	85.5	85.5	85.4	85.1	84.6	84.6	83.5
10°	109.4	110.0	110.3	110.4	110.4	110.1	109.7	109.0	108.1	107.9	106.2
12.5°	134.3	135.1	135.5	135.8	135.8	135.6	135.1	134.4	133.5	132.3	131.3
15°	160.5	162.4	164.2	165.7	167.1	168.2	169.0	169.6	169.8	169.7	170.1
17.5°	188.9	191.8	194.6	197.2	199.7	201.9	203.8	205.4	206.7	207.6	209.2
20°	215.0	219.2	223.9	228.2	232.3	236.1	239.5	242.5	245.1	247.2	250.0
22.5°	242.1	248.0	254.4	260.7	266.7	272.4	277.5	282.2	286.3	289.8	294.2
25°	270.2	278.5	286.5	295.2	303.5	311.2	318.5	325.1	331.0	336.2	340.6
27.5°	299.6	310.4	321.0	332.2	343.6	354.4	364.4	373.6	381.9	389.2	395.4
30°	331.0	345.8	360.2	374.2	390.0	404.3	417.2	428.6	438.5	446.9	453.8
32.5°	367.0	388.6	408.8	427.4	446.2	464.0	479.6	492.9	504.1	513.1	520.0
35°	415.7	442.9	469.0	492.6	513.9	533.3	549.8	563.6	574.6	583.0	588.9
37.5°	477.6	508.6	538.1	564.4	587.4	610.4	630.3	646.4	658.7	667.4	672.8
40°	547.8	581.0	616.7	649.8	678.3	703.8	726.4	744.6	758.5	768.1	773.5
42.5°	634.0	671.1	710.0	747.7	780.6	809.7	839.4	863.9	883.3	897.3	906.0
45°	726.3	770.2	812.0	857.8	900.2	942.6	973.1	1002.5	1025.0	1040.7	1049.6
47.5°	819.6	872.6	926.4	982.4	1035.2	1080.5	1125.2	1167.6	1202.3	1228.8	1246.6
50°	916.2	978.0	1046.1	1114.0	1190.6	1252.5	1308.1	1358.9	1403.8	1441.4	1470.4
52.5°	1012.9	1086.8	1171.7	1259.7	1346.2	1423.4	1488.8	1551.8	1608.6	1657.9	1697.9
55°	1108.1	1201.3	1297.0	1393.6	1490.1	1585.2	1666.3	1733.2	1793.6	1848.3	1895.5
57.5°	1206.0	1308.1	1412.8	1527.5	1643.1	1726.7	1808.2	1880.8	1946.2	2006.0	2058.8
60°	1295.5	1408.5	1538.3	1654.5	1755.7	1845.1	1926.0	2003.1	2072.3	2134.4	2188.6
62.5°	1379.3	1521.8	1647.1	1760.1	1853.8	1944.1	2027.6	2109.2	2177.4	2242.0	2300.7
65°	1481.3	1615.7	1737.4	1838.3	1934.0	2026.2	2112.6	2191.7	2267.0	2335.7	2394.0
67.5°	1565.8	1698.8	1802.5	1900.9	1999.4	2097.4	2188.0	2274.0	2352.1	2415.0	2468.4
70°	1636.8	1762.5	1866.8	1957.7	2060.4	2159.4	2254.7	2343.1	2421.6	2491.7	2545.9
72.5°	1696.5	1823.3	1923.1	2021.2	2115.0	2211.3	2315.8	2408.1	2498.4	2566.3	2612.1
75°	1749.8	1869.3	1970.9	2068.5	2163.6	2268.4	2366.9	2460.1	2541.6	2621.0	2676.8
77.5°	1796.0	1909.7	2005.7	2102.1	2205.0	2311.2	2408.8	2491.2	2586.5	2670.7	2728.8
80°	1829.3	1935.9	2027.6	2125.9	2231.7	2347.2	2438.5	2531.2	2625.6	2709.5	2755.7
82.5°	1857.4	1958.4	2049.7	2146.4	2251.8	2360.4	2459.9	2557.4	2659.6	2737.3	2778.6
85°	1877.2	1972.5	2061.8	2162.4	2270.1	2374.9	2470.9	2569.1	2670.2	2752.2	2803.2
87.5°	1892.9	1978.4	2064.2	2168.3	2273.3	2377.3	2475.1	2578.7	2679.2	2760.5	2800.6
90°	1889.9	1976.5	2057.8	2163.3	2262.6	2365.5	2464.8	2568.6	2672.4	2748.2	2793.3
92.5°	1892.9	1978.4	2064.2	2168.3	2273.3	2377.3	2475.1	2578.7	2679.2	2760.5	2800.6
95°	1877.2	1972.5	2061.8	2162.4	2270.1	2374.9	2470.9	2569.1	2670.2	2752.2	2803.2
97.5°	1857.4	1958.4	2049.7	2146.4	2251.8	2360.4	2459.9	2557.4	2659.6	2737.3	2778.6
100°	1829.3	1935.9	2027.6	2125.9	2231.7	2347.2	2438.5	2531.2	2625.6	2709.5	2755.7
102.5°	1796.0	1909.7	2005.7	2102.1	2205.0	2311.2	2408.8	2491.2	2586.5	2670.7	2728.8
105°	1749.8	1869.3	1970.9	2068.5	2163.6	2268.4	2366.9	2460.1	2541.6	2621.0	2676.8
107.5°	1696.5	1823.3	1923.1	2021.2	2115.0	2211.3	2315.8	2408.1	2498.4	2566.3	2612.1
110°	1636.8	1762.5	1866.8	1957.7	2060.4	2159.4	2254.7	2343.1	2421.6	2491.7	2545.9



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1565.8	1698.8	1802.5	1900.9	1999.4	2097.4	2188.0	2274.0	2352.1	2415.0	2468.4
115°	1481.3	1615.7	1737.4	1838.3	1934.0	2026.2	2112.6	2191.7	2267.0	2335.7	2394.0
117.5°	1379.3	1521.8	1647.1	1760.1	1853.8	1944.1	2027.6	2109.2	2177.4	2242.0	2300.7
120°	1295.5	1408.5	1538.3	1654.5	1755.7	1845.1	1926.0	2003.1	2072.3	2134.4	2188.6
122.5°	1206.0	1308.1	1412.8	1527.5	1643.1	1726.7	1808.2	1880.8	1946.2	2006.0	2058.8
125°	1108.1	1201.3	1297.0	1393.6	1490.1	1585.2	1666.3	1733.2	1793.6	1848.3	1895.5
127.5°	1012.9	1086.8	1171.7	1259.7	1346.2	1423.4	1488.8	1551.8	1608.6	1657.9	1697.9
130°	916.2	978.0	1046.1	1114.0	1190.6	1252.5	1308.1	1358.9	1403.8	1441.4	1470.4
132.5°	819.6	872.6	926.4	982.4	1035.2	1080.5	1125.2	1167.6	1202.3	1228.8	1246.6
135°	726.3	770.2	812.0	857.8	900.2	942.6	973.1	1002.5	1025.0	1040.7	1049.6
137.5°	634.0	671.1	710.0	747.7	780.6	809.7	839.4	863.9	883.3	897.3	906.0
140°	547.8	581.0	616.7	649.8	678.3	703.8	726.4	744.6	758.5	768.1	773.5
142.5°	477.6	508.6	538.1	564.4	587.4	610.4	630.3	646.4	658.7	667.4	672.8
145°	415.7	442.9	469.0	492.6	513.9	533.3	549.8	563.6	574.6	583.0	588.9
147.5°	367.0	388.6	408.8	427.4	446.2	464.0	479.6	492.9	504.1	513.1	520.0
150°	331.0	345.8	360.2	374.2	390.0	404.3	417.2	428.6	438.5	446.9	453.8
152.5°	299.6	310.4	321.0	332.2	343.6	354.4	364.4	373.6	381.9	389.2	395.4
155°	270.2	278.5	286.5	295.2	303.5	311.2	318.5	325.1	331.0	336.2	340.6
157.5°	242.1	248.0	254.4	260.7	266.7	272.4	277.5	282.2	286.3	289.8	294.2
160°	215.0	219.2	223.9	228.2	232.3	236.1	239.5	242.5	245.1	247.2	250.0
162.5°	188.9	191.8	194.6	197.2	199.7	201.9	203.8	205.4	206.7	207.6	209.2
165°	160.5	162.4	164.2	165.7	167.1	168.2	169.0	169.6	169.8	169.7	170.1
167.5°	134.3	135.1	135.5	135.8	135.8	135.6	135.1	134.4	133.5	132.3	131.3
170°	109.4	110.0	110.3	110.4	110.4	110.1	109.7	109.0	108.1	107.9	106.2
172.5°	83.8	84.5	85.0	85.3	85.5	85.5	85.4	85.1	84.6	84.6	83.5
175°	56.2	56.8	57.3	57.7	58.0	58.1	58.2	58.1	58.8	58.1	57.4
177.5°	27.1	27.3	27.4	27.5	27.5	27.5	28.3	28.0	27.6	27.3	26.9
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1.8	1.8
2.5°	26.6	26.2
5°	56.7	56.0
7.5°	82.3	81.2
10°	104.6	102.9
12.5°	129.3	127.3
15°	168.6	167.0
17.5°	208.4	207.6
20°	250.0	250.0
22.5°	295.1	296.0
25°	344.6	346.6
27.5°	401.1	404.3
30°	459.9	463.0
32.5°	525.9	528.0
35°	593.5	593.9
37.5°	676.4	674.2
40°	776.8	772.6
42.5°	911.9	907.0
45°	1055.0	1047.8
47.5°	1260.2	1254.5
50°	1495.6	1497.3
52.5°	1733.8	1743.7
55°	1939.7	1959.4
57.5°	2108.6	2136.3
60°	2239.0	2269.8
62.5°	2352.0	2394.4
65°	2442.1	2481.0
67.5°	2512.7	2548.7
70°	2586.7	2616.4
72.5°	2646.3	2670.6
75°	2704.0	2717.5
77.5°	2748.7	2759.0
80°	2777.5	2788.8
82.5°	2797.8	2814.1
85°	2810.2	2829.4
87.5°	2823.8	2839.3
90°	2808.7	2832.1
92.5°	2823.8	2839.3
95°	2810.2	2829.4
97.5°	2797.8	2814.1
100°	2777.5	2788.8
102.5°	2748.7	2759.0
105°	2704.0	2717.5
107.5°	2646.3	2670.6
110°	2586.7	2616.4





TEST NUMBER: P232055

CATALOG NUMBER: FVS4WM-3-LD4-50-2LO-P125-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2512.7	2548.7
115°	2442.1	2481.0
117.5°	2352.0	2394.4
120°	2239.0	2269.8
122.5°	2108.6	2136.3
125°	1939.7	1959.4
127.5°	1733.8	1743.7
130°	1495.6	1497.3
132.5°	1260.2	1254.5
135°	1055.0	1047.8
137.5°	911.9	907.0
140°	776.8	772.6
142.5°	676.4	674.2
145°	593.5	593.9
147.5°	525.9	528.0
150°	459.9	463.0
152.5°	401.1	404.3
155°	344.6	346.6
157.5°	295.1	296.0
160°	250.0	250.0
162.5°	208.4	207.6
165°	168.6	167.0
167.5°	129.3	127.3
170°	104.6	102.9
172.5°	82.3	81.2
175°	56.7	56.0
177.5°	26.6	26.2
180°	1.0	1.0

(END OF REPORT)