

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: P232008

Luminaire Tested: **FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232008  
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-LD4-30-2STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
4FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

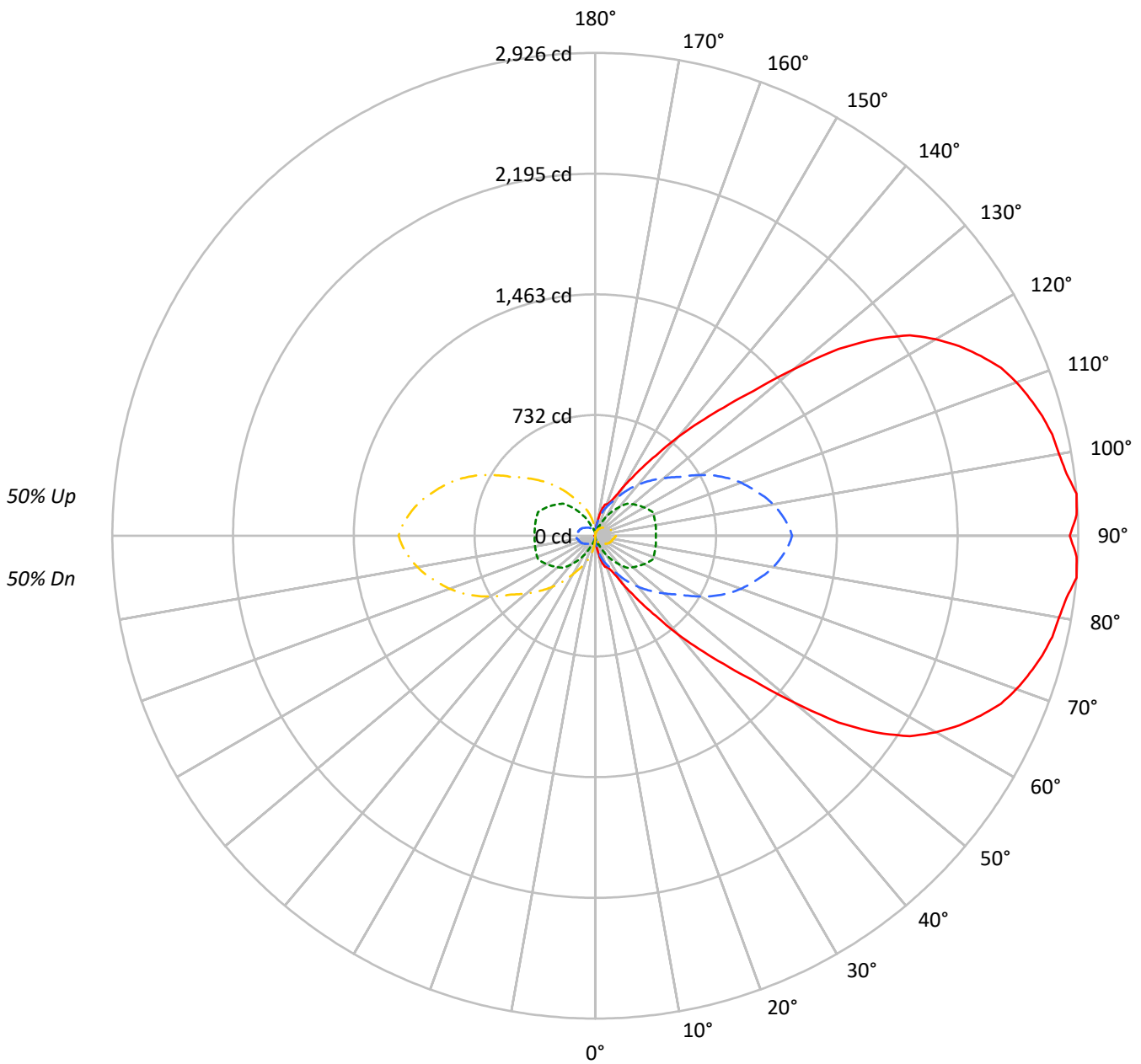
Lumens per Lamp: N/A  
Luminaire Lumens: 6660.1 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Spacing Criteria (0/90/45): 21.23 / 13.35 / 14.41  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

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

TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**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°	630	240	21	240
10°	1269	447	19	447
15°	1903	659	17	659
20°	2015	884	16	884
25°	2208	1396	15	1396
30°	3080	2231	14	2231
35°	4439	3156	14	3156
40°	6427	4207	13	4207
45°	8816	5430	19	5430
50°	12397	6370	19	6370
55°	16244	7546	19	7546
60°	18555	9062	19	9062
65°	20183	11097	25	11097
70°	21545	13525	25	13525
75°	22712	16678	26	16678
80°	23793	22038	0	22038
85°	25350	32998	0	32998



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	22.0	0.3
20°-30°	58.2	0.9
30°-40°	134.0	2.0
40°-50°	264.0	4.0
50°-60°	468.3	7.0
60°-70°	675.7	10.1
70°-80°	817.1	12.3
80°-90°	887.6	13.3
90°-100°	887.6	13.3
100°-110°	817.1	12.3
110°-120°	675.7	10.1
120°-130°	468.3	7.0
130°-140°	264.0	4.0
140°-150°	134.0	2.0
150°-160°	58.2	0.9
160°-170°	22.0	0.3
170°-180°	3.1	0.0
0°-30°	83.3	1.3
0°-40°	217.3	3.3
0°-60°	949.7	14.3
0°-90°	3330.0	50.0
90°-120°	2380.4	35.7
90°-150°	3246.7	48.7
90°-180°	3330.0	50.0
0°-180°	6660.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	48	16	2	16	48	7
15°	176	43	2	43	176	49
25°	235	87	2	87	235	117
35°	520	181	2	181	520	340
45°	1098	274	2	274	1098	880
55°	2080	320	2	320	2080	1841
65°	2577	364	3	364	2577	2551
75°	2803	373	3	373	2803	2958
85°	2926	369	0	369	2926	2367
90°	2874	367	0	367	2874	1588
95°	2926	369	0	369	2926	2367
105°	2803	373	3	373	2803	2958
115°	2577	364	3	364	2577	2551
125°	2080	320	2	320	2080	1841
135°	1098	274	2	274	1098	880
145°	520	181	2	181	520	340
155°	235	87	2	87	235	117
165°	176	43	2	43	176	49
175°	48	16	2	16	48	7
180°	2	2	2	2	2	



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	22.9	23.2	23.5	23.7	24.0	24.3	24.6	23.9	23.9	23.8	23.7
5°	47.5	48.1	48.7	49.2	49.8	49.2	49.3	49.2	49.1	48.8	48.5
7.5°	80.7	81.4	82.1	82.8	82.0	81.8	81.5	81.0	80.4	79.5	78.5
10°	106.8	107.7	108.5	109.4	108.7	108.6	108.4	108.0	107.4	106.5	105.5
12.5°	144.7	145.4	146.0	145.1	144.5	143.7	142.5	141.1	139.3	137.3	135.1
15°	175.6	176.1	176.6	175.5	174.8	173.8	172.4	170.8	168.9	166.8	164.3
17.5°	198.5	199.3	200.1	199.5	199.1	198.4	197.3	195.9	194.1	191.9	189.4
20°	200.9	203.2	205.4	207.2	209.0	210.4	211.4	212.0	212.2	211.8	210.9
22.5°	214.4	218.1	221.8	224.1	226.6	228.5	229.8	230.6	230.6	230.0	228.6
25°	234.9	239.9	243.9	247.6	250.8	253.3	255.1	256.1	256.4	255.9	254.6
27.5°	275.3	280.6	284.1	287.1	289.2	290.4	290.8	290.3	288.9	286.7	284.7
30°	345.7	349.8	350.4	350.5	349.1	346.5	342.8	338.2	332.6	326.3	322.8
32.5°	420.0	423.1	422.3	420.6	417.2	412.1	405.6	397.7	388.5	379.1	370.4
35°	520.5	521.9	517.4	511.8	503.6	493.2	480.7	466.4	450.4	437.2	424.0
37.5°	630.4	630.1	622.8	613.9	602.0	587.3	569.9	550.2	528.8	508.4	486.7
40°	779.9	776.5	762.7	746.8	726.6	702.5	675.0	644.3	615.2	588.1	559.3
42.5°	930.2	924.8	907.7	888.1	863.4	833.8	799.6	761.4	722.5	681.9	639.5
45°	1097.9	1093.8	1074.8	1051.8	1021.3	983.0	937.3	890.8	838.9	788.6	737.4
47.5°	1298.8	1294.3	1270.7	1242.6	1205.4	1159.3	1104.8	1044.8	980.5	909.1	848.1
50°	1571.7	1563.2	1527.3	1485.6	1432.1	1367.7	1293.3	1220.9	1145.0	1061.4	981.8
52.5°	1858.8	1837.1	1785.8	1730.9	1666.9	1596.1	1520.7	1428.5	1323.1	1217.0	1122.4
55°	2080.2	2051.0	1996.0	1936.7	1868.0	1791.4	1706.7	1613.2	1509.8	1389.5	1264.2
57.5°	2260.6	2222.3	2161.6	2098.1	2027.7	1952.3	1865.6	1770.4	1674.5	1547.5	1416.7
60°	2381.6	2340.6	2281.6	2218.9	2148.5	2071.2	1987.9	1903.9	1806.2	1690.2	1558.7
62.5°	2487.6	2441.1	2385.6	2321.2	2248.2	2168.0	2088.5	2004.2	1910.4	1812.3	1683.7
65°	2577.0	2532.3	2478.3	2414.5	2340.6	2260.7	2177.2	2089.1	1993.7	1892.5	1786.2
67.5°	2660.0	2617.8	2565.6	2502.3	2427.7	2345.0	2256.1	2162.3	2065.2	1960.9	1853.7
70°	2715.4	2682.2	2638.8	2582.3	2507.4	2418.5	2325.5	2226.0	2123.3	2024.1	1922.6
72.5°	2761.3	2744.5	2713.6	2662.8	2573.1	2477.0	2380.7	2278.9	2179.1	2080.5	1982.6
75°	2803.2	2795.1	2775.9	2722.0	2627.5	2522.1	2419.2	2327.4	2230.8	2127.0	2026.1
77.5°	2834.8	2830.2	2818.0	2753.6	2661.6	2555.7	2460.8	2367.5	2269.5	2164.6	2057.1
80°	2852.2	2858.9	2841.5	2778.0	2686.8	2595.8	2497.4	2399.9	2297.8	2190.9	2080.3
82.5°	2879.1	2882.3	2856.2	2811.5	2725.8	2629.4	2523.5	2416.5	2315.5	2212.7	2106.2
85°	2925.8	2890.2	2845.1	2827.9	2753.9	2649.0	2543.6	2438.8	2334.2	2227.0	2122.1
87.5°	2918.7	2870.5	2876.3	2846.4	2763.5	2656.2	2550.9	2451.3	2343.4	2229.4	2127.3
90°	2874.4	2876.8	2890.2	2852.2	2745.5	2642.6	2539.0	2449.6	2340.5	2220.3	2122.2
92.5°	2918.7	2870.5	2876.3	2846.4	2763.5	2656.2	2550.9	2451.3	2343.4	2229.4	2127.3
95°	2925.8	2890.2	2845.1	2827.9	2753.9	2649.0	2543.6	2438.8	2334.2	2227.0	2122.1
97.5°	2879.1	2882.3	2856.2	2811.5	2725.8	2629.4	2523.5	2416.5	2315.5	2212.7	2106.2
100°	2852.2	2858.9	2841.5	2778.0	2686.8	2595.8	2497.4	2399.9	2297.8	2190.9	2080.3
102.5°	2834.8	2830.2	2818.0	2753.6	2661.6	2555.7	2460.8	2367.5	2269.5	2164.6	2057.1
105°	2803.2	2795.1	2775.9	2722.0	2627.5	2522.1	2419.2	2327.4	2230.8	2127.0	2026.1
107.5°	2761.3	2744.5	2713.6	2662.8	2573.1	2477.0	2380.7	2278.9	2179.1	2080.5	1982.6
110°	2715.4	2682.2	2638.8	2582.3	2507.4	2418.5	2325.5	2226.0	2123.3	2024.1	1922.6



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2660.0	2617.8	2565.6	2502.3	2427.7	2345.0	2256.1	2162.3	2065.2	1960.9	1853.7
115°	2577.0	2532.3	2478.3	2414.5	2340.6	2260.7	2177.2	2089.1	1993.7	1892.5	1786.2
117.5°	2487.6	2441.1	2385.6	2321.2	2248.2	2168.0	2088.5	2004.2	1910.4	1812.3	1683.7
120°	2381.6	2340.6	2281.6	2218.9	2148.5	2071.2	1987.9	1903.9	1806.2	1690.2	1558.7
122.5°	2260.6	2222.3	2161.6	2098.1	2027.7	1952.3	1865.6	1770.4	1674.5	1547.5	1416.7
125°	2080.2	2051.0	1996.0	1936.7	1868.0	1791.4	1706.7	1613.2	1509.8	1389.5	1264.2
127.5°	1858.8	1837.1	1785.8	1730.9	1666.9	1596.1	1520.7	1428.5	1323.1	1217.0	1122.4
130°	1571.7	1563.2	1527.3	1485.6	1432.1	1367.7	1293.3	1220.9	1145.0	1061.4	981.8
132.5°	1298.8	1294.3	1270.7	1242.6	1205.4	1159.3	1104.8	1044.8	980.5	909.1	848.1
135°	1097.9	1093.8	1074.8	1051.8	1021.3	983.0	937.3	890.8	838.9	788.6	737.4
137.5°	930.2	924.8	907.7	888.1	863.4	833.8	799.6	761.4	722.5	681.9	639.5
140°	779.9	776.5	762.7	746.8	726.6	702.5	675.0	644.3	615.2	588.1	559.3
142.5°	630.4	630.1	622.8	613.9	602.0	587.3	569.9	550.2	528.8	508.4	486.7
145°	520.5	521.9	517.4	511.8	503.6	493.2	480.7	466.4	450.4	437.2	424.0
147.5°	420.0	423.1	422.3	420.6	417.2	412.1	405.6	397.7	388.5	379.1	370.4
150°	345.7	349.8	350.4	350.5	349.1	346.5	342.8	338.2	332.6	326.3	322.8
152.5°	275.3	280.6	284.1	287.1	289.2	290.4	290.8	290.3	288.9	286.7	284.7
155°	234.9	239.9	243.9	247.6	250.8	253.3	255.1	256.1	256.4	255.9	254.6
157.5°	214.4	218.1	221.8	224.1	226.6	228.5	229.8	230.6	230.6	230.0	228.6
160°	200.9	203.2	205.4	207.2	209.0	210.4	211.4	212.0	212.2	211.8	210.9
162.5°	198.5	199.3	200.1	199.5	199.1	198.4	197.3	195.9	194.1	191.9	189.4
165°	175.6	176.1	176.6	175.5	174.8	173.8	172.4	170.8	168.9	166.8	164.3
167.5°	144.7	145.4	146.0	145.1	144.5	143.7	142.5	141.1	139.3	137.3	135.1
170°	106.8	107.7	108.5	109.4	108.7	108.6	108.4	108.0	107.4	106.5	105.5
172.5°	80.7	81.4	82.1	82.8	82.0	81.8	81.5	81.0	80.4	79.5	78.5
175°	47.5	48.1	48.7	49.2	49.8	49.2	49.3	49.2	49.1	48.8	48.5
177.5°	22.9	23.2	23.5	23.7	24.0	24.3	24.6	23.9	23.9	23.8	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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	23.6	23.4	23.2	22.9	22.6	22.3	21.9	21.5	21.1	20.6	20.1
5°	48.1	47.5	46.9	46.2	45.3	44.4	43.4	42.3	41.1	39.9	38.5
7.5°	77.4	76.1	74.6	73.0	71.3	69.4	67.4	65.3	63.0	61.0	59.0
10°	104.4	103.0	101.4	99.7	97.8	95.8	93.3	90.5	87.4	84.3	81.0
12.5°	132.6	129.9	126.9	123.8	120.8	118.2	115.4	112.4	109.3	105.9	102.4
15°	161.7	158.8	155.7	151.9	147.8	143.5	139.0	134.4	129.6	125.5	121.3
17.5°	186.5	183.2	179.4	175.4	171.2	166.8	162.2	157.2	151.7	146.1	140.4
20°	209.3	206.2	202.2	197.6	192.7	187.3	181.9	176.5	170.9	165.2	159.0
22.5°	226.8	225.0	222.4	219.0	214.6	208.8	202.3	195.4	188.1	181.6	175.2
25°	252.8	250.0	246.2	241.3	236.3	230.6	223.8	215.9	207.6	198.8	190.6
27.5°	282.7	279.6	275.6	270.5	264.2	256.7	249.3	239.2	229.0	218.0	207.7
30°	318.4	313.3	308.2	302.1	295.4	287.6	278.0	267.0	256.9	248.0	238.8
32.5°	361.2	351.7	344.1	336.7	328.4	319.8	311.3	302.3	292.2	281.5	271.6
35°	409.8	395.9	384.7	373.4	363.8	355.5	346.4	336.7	326.2	315.0	303.2
37.5°	464.1	445.8	428.4	415.1	403.0	391.5	381.0	370.5	359.3	347.2	334.6
40°	530.3	504.6	481.0	462.0	445.1	429.8	416.5	403.5	391.6	378.9	365.1
42.5°	604.0	573.0	542.5	516.0	491.4	471.1	452.9	437.9	422.9	409.7	395.4
45°	693.6	647.3	609.5	573.9	542.8	513.7	491.9	472.2	455.6	439.4	424.9
47.5°	792.9	737.4	685.3	635.7	597.2	562.0	531.3	508.0	488.0	469.8	452.9
50°	900.6	833.3	769.3	710.4	654.7	611.7	574.5	542.9	520.3	500.3	480.8
52.5°	1028.7	939.8	857.9	788.3	723.0	662.8	618.5	581.5	551.4	529.7	521.4
55°	1153.9	1052.1	956.8	867.5	793.1	724.0	661.8	620.9	597.2	582.7	579.1
57.5°	1282.2	1158.9	1053.4	954.3	863.2	786.4	724.9	679.1	649.6	632.4	629.2
60°	1410.1	1268.8	1141.6	1035.3	941.8	860.2	791.5	734.8	701.5	681.6	674.8
62.5°	1540.6	1373.9	1235.8	1121.2	1021.0	928.5	854.7	794.0	749.9	725.5	716.9
65°	1649.6	1500.6	1342.2	1207.6	1095.7	997.0	911.8	845.4	796.0	769.5	759.9
67.5°	1747.0	1606.3	1451.3	1300.4	1164.3	1056.6	965.6	895.3	843.1	811.0	798.9
70°	1812.6	1687.1	1547.7	1385.9	1237.9	1115.6	1017.0	939.4	883.8	848.6	834.2
72.5°	1872.7	1748.5	1607.1	1458.4	1309.6	1167.6	1060.3	979.5	919.5	885.1	869.6
75°	1920.1	1798.5	1659.4	1512.7	1372.5	1216.8	1103.1	1018.8	958.9	920.5	900.4
77.5°	1959.1	1840.1	1698.8	1555.8	1417.0	1270.3	1148.1	1059.5	995.8	953.8	930.6
80°	1981.4	1873.7	1743.2	1596.7	1452.7	1311.4	1185.2	1094.8	1029.4	985.3	960.3
82.5°	2001.2	1898.0	1778.7	1629.1	1480.4	1340.9	1215.1	1125.2	1060.1	1015.1	989.3
85°	2014.2	1910.4	1804.7	1652.6	1500.0	1360.2	1238.5	1151.3	1088.1	1043.4	1017.8
87.5°	2019.5	1915.8	1826.0	1671.6	1515.4	1373.6	1258.3	1174.9	1114.6	1070.8	1046.1
90°	2016.2	1906.2	1826.3	1671.3	1514.7	1373.9	1269.5	1192.8	1137.4	1096.3	1073.3
92.5°	2019.5	1915.8	1826.0	1671.6	1515.4	1373.6	1258.3	1174.9	1114.6	1070.8	1046.1
95°	2014.2	1910.4	1804.7	1652.6	1500.0	1360.2	1238.5	1151.3	1088.1	1043.4	1017.8
97.5°	2001.2	1898.0	1778.7	1629.1	1480.4	1340.9	1215.1	1125.2	1060.1	1015.1	989.3
100°	1981.4	1873.7	1743.2	1596.7	1452.7	1311.4	1185.2	1094.8	1029.4	985.3	960.3
102.5°	1959.1	1840.1	1698.8	1555.8	1417.0	1270.3	1148.1	1059.5	995.8	953.8	930.6
105°	1920.1	1798.5	1659.4	1512.7	1372.5	1216.8	1103.1	1018.8	958.9	920.5	900.4
107.5°	1872.7	1748.5	1607.1	1458.4	1309.6	1167.6	1060.3	979.5	919.5	885.1	869.6
110°	1812.6	1687.1	1547.7	1385.9	1237.9	1115.6	1017.0	939.4	883.8	848.6	834.2





TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1747.0	1606.3	1451.3	1300.4	1164.3	1056.6	965.6	895.3	843.1	811.0	798.9
115°	1649.6	1500.6	1342.2	1207.6	1095.7	997.0	911.8	845.4	796.0	769.5	759.9
117.5°	1540.6	1373.9	1235.8	1121.2	1021.0	928.5	854.7	794.0	749.9	725.5	716.9
120°	1410.1	1268.8	1141.6	1035.3	941.8	860.2	791.5	734.8	701.5	681.6	674.8
122.5°	1282.2	1158.9	1053.4	954.3	863.2	786.4	724.9	679.1	649.6	632.4	629.2
125°	1153.9	1052.1	956.8	867.5	793.1	724.0	661.8	620.9	597.2	582.7	579.1
127.5°	1028.7	939.8	857.9	788.3	723.0	662.8	618.5	581.5	551.4	529.7	521.4
130°	900.6	833.3	769.3	710.4	654.7	611.7	574.5	542.9	520.3	500.3	480.8
132.5°	792.9	737.4	685.3	635.7	597.2	562.0	531.3	508.0	488.0	469.8	452.9
135°	693.6	647.3	609.5	573.9	542.8	513.7	491.9	472.2	455.6	439.4	424.9
137.5°	604.0	573.0	542.5	516.0	491.4	471.1	452.9	437.9	422.9	409.7	395.4
140°	530.3	504.6	481.0	462.0	445.1	429.8	416.5	403.5	391.6	378.9	365.1
142.5°	464.1	445.8	428.4	415.1	403.0	391.5	381.0	370.5	359.3	347.2	334.6
145°	409.8	395.9	384.7	373.4	363.8	355.5	346.4	336.7	326.2	315.0	303.2
147.5°	361.2	351.7	344.1	336.7	328.4	319.8	311.3	302.3	292.2	281.5	271.6
150°	318.4	313.3	308.2	302.1	295.4	287.6	278.0	267.0	256.9	248.0	238.8
152.5°	282.7	279.6	275.6	270.5	264.2	256.7	249.3	239.2	229.0	218.0	207.7
155°	252.8	250.0	246.2	241.3	236.3	230.6	223.8	215.9	207.6	198.8	190.6
157.5°	226.8	225.0	222.4	219.0	214.6	208.8	202.3	195.4	188.1	181.6	175.2
160°	209.3	206.2	202.2	197.6	192.7	187.3	181.9	176.5	170.9	165.2	159.0
162.5°	186.5	183.2	179.4	175.4	171.2	166.8	162.2	157.2	151.7	146.1	140.4
165°	161.7	158.8	155.7	151.9	147.8	143.5	139.0	134.4	129.6	125.5	121.3
167.5°	132.6	129.9	126.9	123.8	120.8	118.2	115.4	112.4	109.3	105.9	102.4
170°	104.4	103.0	101.4	99.7	97.8	95.8	93.3	90.5	87.4	84.3	81.0
172.5°	77.4	76.1	74.6	73.0	71.3	69.4	67.4	65.3	63.0	61.0	59.0
175°	48.1	47.5	46.9	46.2	45.3	44.4	43.4	42.3	41.1	39.9	38.5
177.5°	23.6	23.4	23.2	22.9	22.6	22.3	21.9	21.5	21.1	20.6	20.1
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	19.5	19.0	18.4	17.7	17.1	16.4	15.7	14.9	14.2	13.4	12.6
5°	37.1	35.6	34.0	32.8	31.5	30.1	28.7	27.2	25.7	24.2	22.6
7.5°	56.8	54.5	52.2	49.7	47.1	44.4	41.6	39.3	37.1	34.8	32.5
10°	77.6	74.1	70.7	67.2	63.7	60.1	56.3	52.5	48.5	45.3	42.3
12.5°	98.3	94.1	89.7	85.1	80.5	75.9	71.1	66.3	61.3	56.2	51.9
15°	116.9	112.3	108.2	102.3	97.0	91.6	86.0	80.2	74.2	68.0	61.7
17.5°	135.3	129.4	123.9	118.2	112.4	106.3	100.2	94.0	87.1	79.8	72.4
20°	152.7	146.2	139.8	133.4	126.8	120.0	113.4	106.7	99.9	91.7	83.2
22.5°	168.7	161.9	155.0	148.1	140.9	133.4	125.7	118.6	111.5	103.6	94.0
25°	182.7	175.6	168.5	161.3	157.1	152.1	146.5	140.7	135.0	128.9	120.2
27.5°	200.8	196.3	192.8	189.0	185.1	180.9	175.5	169.5	163.3	156.7	148.6
30°	231.6	224.7	219.3	215.7	211.9	207.9	203.5	197.7	191.9	184.4	176.9
32.5°	261.6	253.4	246.3	241.1	237.5	233.8	229.9	224.9	218.9	211.8	203.8
35°	292.2	281.6	273.3	266.3	262.0	258.5	255.1	251.8	245.7	239.1	230.7
37.5°	321.9	310.3	299.3	291.8	285.7	282.3	279.3	276.3	271.7	266.1	257.5
40°	351.4	337.9	326.4	315.9	309.5	305.1	302.6	300.2	297.1	292.1	284.0
42.5°	380.1	365.7	352.0	340.8	332.6	327.0	325.1	323.4	321.7	317.4	310.5
45°	409.0	392.3	377.7	365.1	354.4	349.5	346.8	345.8	345.1	342.3	336.8
47.5°	437.3	419.4	402.9	389.0	377.4	373.9	374.6	374.8	373.0	368.3	360.3
50°	463.9	449.0	445.4	442.9	438.0	430.6	422.3	415.1	406.5	396.4	383.8
52.5°	516.5	516.5	518.5	517.2	508.6	493.1	475.9	459.0	442.6	426.1	408.2
55°	575.7	578.4	585.3	593.1	582.6	560.8	534.0	506.3	481.2	457.6	433.7
57.5°	630.7	635.6	646.0	663.8	656.9	632.1	596.3	556.7	522.2	490.9	460.4
60°	681.0	689.0	703.8	726.8	732.2	706.6	662.3	610.4	566.2	525.7	488.0
62.5°	726.7	739.9	758.2	785.2	808.5	784.0	731.2	668.4	612.2	562.0	516.4
65°	768.2	787.2	809.4	839.8	884.9	859.5	801.6	728.8	659.9	599.4	545.5
67.5°	806.0	831.4	857.9	892.8	945.3	933.5	873.8	791.1	709.0	637.8	575.1
70°	841.6	872.6	905.6	942.8	988.9	980.4	913.5	822.0	729.8	651.7	583.9
72.5°	873.1	896.1	926.5	956.2	987.4	982.1	919.0	831.4	738.4	658.9	589.3
75°	898.2	914.5	944.3	972.9	991.6	983.9	922.1	839.0	745.8	665.4	594.4
77.5°	924.0	934.8	962.0	992.3	1000.5	985.7	923.1	844.8	752.1	671.3	599.1
80°	950.4	956.5	980.0	1013.9	1013.0	987.2	922.2	848.8	757.4	676.4	603.3
82.5°	977.3	979.6	998.4	1037.1	1028.2	988.2	919.5	851.3	761.5	680.8	609.5
85°	1004.5	1003.6	1017.4	1061.3	1044.8	991.0	917.3	854.7	766.6	685.9	611.5
87.5°	1031.9	1028.3	1036.7	1086.2	1062.6	988.3	910.3	852.5	767.3	687.8	613.4
90°	1059.1	1053.6	1058.3	1110.5	1078.1	985.5	903.3	850.3	768.0	689.7	615.4
92.5°	1031.9	1028.3	1036.7	1086.2	1062.6	988.3	910.3	852.5	767.3	687.8	613.4
95°	1004.5	1003.6	1017.4	1061.3	1044.8	991.0	917.3	854.7	766.6	685.9	611.5
97.5°	977.3	979.6	998.4	1037.1	1028.2	988.2	919.5	851.3	761.5	680.8	609.5
100°	950.4	956.5	980.0	1013.9	1013.0	987.2	922.2	848.8	757.4	676.4	603.3
102.5°	924.0	934.8	962.0	992.3	1000.5	985.7	923.1	844.8	752.1	671.3	599.1
105°	898.2	914.5	944.3	972.9	991.6	983.9	922.1	839.0	745.8	665.4	594.4
107.5°	873.1	896.1	926.5	956.2	987.4	982.1	919.0	831.4	738.4	658.9	589.3
110°	841.6	872.6	905.6	942.8	988.9	980.4	913.5	822.0	729.8	651.7	583.9



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	806.0	831.4	857.9	892.8	945.3	933.5	873.8	791.1	709.0	637.8	575.1
115°	768.2	787.2	809.4	839.8	884.9	859.5	801.6	728.8	659.9	599.4	545.5
117.5°	726.7	739.9	758.2	785.2	808.5	784.0	731.2	668.4	612.2	562.0	516.4
120°	681.0	689.0	703.8	726.8	732.2	706.6	662.3	610.4	566.2	525.7	488.0
122.5°	630.7	635.6	646.0	663.8	656.9	632.1	596.3	556.7	522.2	490.9	460.4
125°	575.7	578.4	585.3	593.1	582.6	560.8	534.0	506.3	481.2	457.6	433.7
127.5°	516.5	516.5	518.5	517.2	508.6	493.1	475.9	459.0	442.6	426.1	408.2
130°	463.9	449.0	445.4	442.9	438.0	430.6	422.3	415.1	406.5	396.4	383.8
132.5°	437.3	419.4	402.9	389.0	377.4	373.9	374.6	374.8	373.0	368.3	360.3
135°	409.0	392.3	377.7	365.1	354.4	349.5	346.8	345.8	345.1	342.3	336.8
137.5°	380.1	365.7	352.0	340.8	332.6	327.0	325.1	323.4	321.7	317.4	310.5
140°	351.4	337.9	326.4	315.9	309.5	305.1	302.6	300.2	297.1	292.1	284.0
142.5°	321.9	310.3	299.3	291.8	285.7	282.3	279.3	276.3	271.7	266.1	257.5
145°	292.2	281.6	273.3	266.3	262.0	258.5	255.1	251.8	245.7	239.1	230.7
147.5°	261.6	253.4	246.3	241.1	237.5	233.8	229.9	224.9	218.9	211.8	203.8
150°	231.6	224.7	219.3	215.7	211.9	207.9	203.5	197.7	191.9	184.4	176.9
152.5°	200.8	196.3	192.8	189.0	185.1	180.9	175.5	169.5	163.3	156.7	148.6
155°	182.7	175.6	168.5	161.3	157.1	152.1	146.5	140.7	135.0	128.9	120.2
157.5°	168.7	161.9	155.0	148.1	140.9	133.4	125.7	118.6	111.5	103.6	94.0
160°	152.7	146.2	139.8	133.4	126.8	120.0	113.4	106.7	99.9	91.7	83.2
162.5°	135.3	129.4	123.9	118.2	112.4	106.3	100.2	94.0	87.1	79.8	72.4
165°	116.9	112.3	108.2	102.3	97.0	91.6	86.0	80.2	74.2	68.0	61.7
167.5°	98.3	94.1	89.7	85.1	80.5	75.9	71.1	66.3	61.3	56.2	51.9
170°	77.6	74.1	70.7	67.2	63.7	60.1	56.3	52.5	48.5	45.3	42.3
172.5°	56.8	54.5	52.2	49.7	47.1	44.4	41.6	39.3	37.1	34.8	32.5
175°	37.1	35.6	34.0	32.8	31.5	30.1	28.7	27.2	25.7	24.2	22.6
177.5°	19.5	19.0	18.4	17.7	17.1	16.4	15.7	14.9	14.2	13.4	12.6
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	11.7	10.9	10.0	9.2	9.1	9.1	9.0	9.0	8.9	8.8	8.7
5°	21.0	19.3	17.6	15.9	15.8	15.7	15.5	15.4	15.2	14.9	14.7
7.5°	30.1	27.7	25.2	22.7	22.5	22.2	21.9	21.6	21.2	20.8	20.4
10°	39.2	36.0	32.8	29.5	29.1	28.6	28.1	27.6	27.0	26.5	26.0
12.5°	48.1	44.2	40.3	36.2	35.6	35.0	34.2	33.5	32.8	32.3	31.8
15°	57.0	52.4	47.7	43.0	42.1	41.2	40.2	39.3	38.7	38.2	37.5
17.5°	65.7	60.5	55.2	49.8	48.6	47.4	46.1	45.3	44.7	44.0	43.3
20°	74.5	68.5	62.6	56.5	55.0	53.4	51.9	51.3	50.6	49.9	49.3
22.5°	84.2	76.4	69.9	63.3	61.4	59.4	58.0	57.3	56.6	56.0	55.3
25°	110.5	101.6	94.4	86.8	83.7	80.3	77.5	75.1	72.6	70.3	67.9
27.5°	138.0	127.5	119.1	110.2	105.9	101.3	97.6	93.8	90.5	87.3	83.8
30°	165.4	153.6	143.9	133.7	128.1	122.0	117.1	111.9	107.7	103.4	98.7
32.5°	192.7	180.1	168.7	157.2	150.0	142.7	136.0	129.6	124.3	118.7	112.7
35°	219.8	206.5	193.6	180.6	171.9	162.9	154.5	147.0	140.3	133.2	125.9
37.5°	246.9	232.8	218.6	204.1	193.6	182.9	172.5	163.8	156.0	147.0	138.1
40°	273.8	259.0	243.6	227.6	215.1	202.6	190.1	180.3	170.5	160.2	149.5
42.5°	300.4	285.2	268.7	251.0	236.6	222.0	207.7	196.3	184.7	173.3	160.1
45°	326.4	311.3	293.8	274.5	258.0	241.1	224.8	211.9	198.5	184.6	170.0
47.5°	345.8	327.0	306.4	285.7	266.4	247.6	230.5	216.9	203.6	189.8	175.3
50°	365.3	342.7	318.9	297.0	274.6	253.4	234.8	219.6	205.5	191.3	176.7
52.5°	385.5	358.8	331.3	308.2	282.6	259.1	239.0	222.3	207.4	193.2	178.9
55°	406.4	375.3	343.8	319.5	290.5	264.6	242.9	225.1	209.6	195.5	181.9
57.5°	427.8	392.1	356.2	330.7	298.3	270.0	246.8	227.9	212.1	198.2	185.7
60°	449.8	409.1	368.6	342.0	306.0	275.4	250.5	230.8	214.9	201.7	190.7
62.5°	472.3	426.3	380.9	353.2	313.7	280.7	254.2	233.7	218.0	205.7	195.3
65°	495.1	443.7	393.2	364.5	321.3	286.0	257.8	236.8	221.3	210.2	201.1
67.5°	518.2	461.3	405.5	375.7	328.9	291.3	261.4	239.9	224.9	215.2	207.5
70°	523.4	464.9	409.4	374.7	326.8	289.1	258.9	237.7	223.4	215.0	208.6
72.5°	526.9	467.7	413.2	373.8	324.7	286.7	256.2	234.8	220.8	212.8	206.5
75°	530.1	470.2	418.6	372.8	322.6	284.5	253.5	232.1	218.2	210.6	204.6
77.5°	532.9	472.4	422.2	371.8	320.7	282.5	251.0	229.6	215.8	208.5	202.8
80°	535.4	475.8	425.7	370.9	318.9	280.6	248.7	227.2	213.6	206.5	201.1
82.5°	539.1	476.7	429.2	369.9	317.1	278.8	246.6	224.9	211.4	204.6	199.6
85°	540.0	477.5	432.7	368.9	315.4	277.2	244.6	222.8	209.4	202.7	198.1
87.5°	540.9	478.4	436.3	368.0	313.9	275.8	242.8	220.9	207.5	201.0	196.7
90°	541.8	479.3	439.8	367.0	312.4	274.5	241.2	219.1	205.7	199.3	195.4
92.5°	540.9	478.4	436.3	368.0	313.9	275.8	242.8	220.9	207.5	201.0	196.7
95°	540.0	477.5	432.7	368.9	315.4	277.2	244.6	222.8	209.4	202.7	198.1
97.5°	539.1	476.7	429.2	369.9	317.1	278.8	246.6	224.9	211.4	204.6	199.6
100°	535.4	475.8	425.7	370.9	318.9	280.6	248.7	227.2	213.6	206.5	201.1
102.5°	532.9	472.4	422.2	371.8	320.7	282.5	251.0	229.6	215.8	208.5	202.8
105°	530.1	470.2	418.6	372.8	322.6	284.5	253.5	232.1	218.2	210.6	204.6
107.5°	526.9	467.7	413.2	373.8	324.7	286.7	256.2	234.8	220.8	212.8	206.5
110°	523.4	464.9	409.4	374.7	326.8	289.1	258.9	237.7	223.4	215.0	208.6



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	518.2	461.3	405.5	375.7	328.9	291.3	261.4	239.9	224.9	215.2	207.5
115°	495.1	443.7	393.2	364.5	321.3	286.0	257.8	236.8	221.3	210.2	201.1
117.5°	472.3	426.3	380.9	353.2	313.7	280.7	254.2	233.7	218.0	205.7	195.3
120°	449.8	409.1	368.6	342.0	306.0	275.4	250.5	230.8	214.9	201.7	190.7
122.5°	427.8	392.1	356.2	330.7	298.3	270.0	246.8	227.9	212.1	198.2	185.7
125°	406.4	375.3	343.8	319.5	290.5	264.6	242.9	225.1	209.6	195.5	181.9
127.5°	385.5	358.8	331.3	308.2	282.6	259.1	239.0	222.3	207.4	193.2	178.9
130°	365.3	342.7	318.9	297.0	274.6	253.4	234.8	219.6	205.5	191.3	176.7
132.5°	345.8	327.0	306.4	285.7	266.4	247.6	230.5	216.9	203.6	189.8	175.3
135°	326.4	311.3	293.8	274.5	258.0	241.1	224.8	211.9	198.5	184.6	170.0
137.5°	300.4	285.2	268.7	251.0	236.6	222.0	207.7	196.3	184.7	173.3	160.1
140°	273.8	259.0	243.6	227.6	215.1	202.6	190.1	180.3	170.5	160.2	149.5
142.5°	246.9	232.8	218.6	204.1	193.6	182.9	172.5	163.8	156.0	147.0	138.1
145°	219.8	206.5	193.6	180.6	171.9	162.9	154.5	147.0	140.3	133.2	125.9
147.5°	192.7	180.1	168.7	157.2	150.0	142.7	136.0	129.6	124.3	118.7	112.7
150°	165.4	153.6	143.9	133.7	128.1	122.0	117.1	111.9	107.7	103.4	98.7
152.5°	138.0	127.5	119.1	110.2	105.9	101.3	97.6	93.8	90.5	87.3	83.8
155°	110.5	101.6	94.4	86.8	83.7	80.3	77.5	75.1	72.6	70.3	67.9
157.5°	84.2	76.4	69.9	63.3	61.4	59.4	58.0	57.3	56.6	56.0	55.3
160°	74.5	68.5	62.6	56.5	55.0	53.4	51.9	51.3	50.6	49.9	49.3
162.5°	65.7	60.5	55.2	49.8	48.6	47.4	46.1	45.3	44.7	44.0	43.3
165°	57.0	52.4	47.7	43.0	42.1	41.2	40.2	39.3	38.7	38.2	37.5
167.5°	48.1	44.2	40.3	36.2	35.6	35.0	34.2	33.5	32.8	32.3	31.8
170°	39.2	36.0	32.8	29.5	29.1	28.6	28.1	27.6	27.0	26.5	26.0
172.5°	30.1	27.7	25.2	22.7	22.5	22.2	21.9	21.6	21.2	20.8	20.4
175°	21.0	19.3	17.6	15.9	15.8	15.7	15.5	15.4	15.2	14.9	14.7
177.5°	11.7	10.9	10.0	9.2	9.1	9.1	9.0	9.0	8.9	8.8	8.7
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	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	8.5	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9
5°	14.4	14.2	13.9	13.5	13.2	12.9	12.5	12.1	11.7	11.3	10.9
7.5°	20.0	19.6	19.2	18.7	18.2	17.7	17.2	16.6	16.0	15.4	14.9
10°	25.6	25.1	24.5	23.9	23.3	22.7	22.1	21.5	20.8	20.1	19.3
12.5°	31.2	30.5	29.9	29.3	28.7	28.0	27.3	26.5	25.6	24.6	23.6
15°	36.8	36.3	35.6	34.9	34.2	33.3	32.3	31.3	30.2	29.1	27.9
17.5°	42.7	42.1	41.4	40.5	39.4	38.3	37.2	36.0	34.8	33.5	32.1
20°	48.7	47.9	46.9	45.8	44.6	43.4	42.1	40.8	39.3	37.7	36.0
22.5°	54.6	53.5	52.4	51.1	49.8	48.5	47.0	45.2	43.4	41.6	39.9
25°	65.1	62.2	59.3	56.5	55.0	53.3	51.4	49.5	47.7	45.9	44.0
27.5°	80.0	76.2	72.3	68.5	64.5	60.6	57.0	54.0	52.1	49.9	47.6
30°	93.8	88.9	84.0	78.8	73.7	69.0	64.7	60.9	57.3	54.0	51.1
32.5°	106.6	100.4	94.0	87.4	81.3	75.6	70.6	66.2	62.1	58.4	55.0
35°	118.3	110.6	102.4	94.6	87.2	80.7	75.3	70.3	65.8	61.8	58.3
37.5°	129.0	119.3	109.6	100.3	91.7	85.1	78.9	73.5	68.8	65.0	61.4
40°	138.6	126.8	115.4	104.4	96.0	88.4	81.9	76.3	71.9	68.0	64.4
42.5°	146.9	133.3	119.9	108.5	99.3	91.4	84.4	79.4	75.0	71.0	67.3
45°	154.3	138.6	123.2	112.1	102.2	93.5	87.6	82.4	78.1	74.1	70.2
47.5°	159.4	142.6	127.1	115.0	104.7	96.5	90.4	85.7	81.4	77.4	73.0
50°	161.2	144.9	131.2	119.0	107.6	99.8	93.8	88.9	84.9	80.4	75.8
52.5°	164.0	148.6	135.8	124.1	114.3	106.5	100.2	94.5	88.2	83.4	79.0
55°	167.7	153.7	141.1	129.8	121.2	114.3	108.6	103.7	96.1	88.9	82.5
57.5°	172.4	159.3	147.2	136.6	128.2	122.6	118.2	112.0	103.5	95.1	87.4
60°	177.9	165.3	153.7	144.0	136.6	131.7	128.5	119.8	109.7	100.1	91.4
62.5°	184.2	171.6	160.7	151.6	145.5	141.9	137.4	127.1	114.8	104.2	94.6
65°	190.8	178.7	168.1	159.4	154.7	152.7	145.4	132.8	119.3	107.7	97.3
67.5°	197.7	186.2	176.2	168.0	164.3	164.1	153.3	137.9	123.4	110.9	99.7
70°	200.1	190.6	182.5	176.8	175.2	173.9	160.8	142.4	127.1	113.9	101.6
72.5°	198.2	189.8	182.1	177.1	176.6	174.5	162.5	146.0	130.7	116.7	103.3
75°	196.7	189.4	182.0	177.2	176.6	172.4	161.3	147.6	133.3	118.8	105.3
77.5°	195.5	189.3	182.0	177.2	176.2	170.9	161.8	150.4	136.1	121.2	107.7
80°	194.6	189.5	182.1	177.2	175.5	170.0	163.6	154.1	139.3	124.1	110.4
82.5°	194.0	190.0	182.4	177.1	174.6	169.5	166.6	158.7	142.9	127.4	113.5
85°	193.5	190.6	182.9	177.1	173.6	169.5	170.4	163.9	146.9	131.3	117.1
87.5°	193.2	191.4	183.5	177.1	172.6	169.7	174.5	169.6	151.4	135.7	121.1
90°	193.0	192.2	184.3	177.2	171.6	170.1	178.8	175.6	156.6	140.8	125.8
92.5°	193.2	191.4	183.5	177.1	172.6	169.7	174.5	169.6	151.4	135.7	121.1
95°	193.5	190.6	182.9	177.1	173.6	169.5	170.4	163.9	146.9	131.3	117.1
97.5°	194.0	190.0	182.4	177.1	174.6	169.5	166.6	158.7	142.9	127.4	113.5
100°	194.6	189.5	182.1	177.2	175.5	170.0	163.6	154.1	139.3	124.1	110.4
102.5°	195.5	189.3	182.0	177.2	176.2	170.9	161.8	150.4	136.1	121.2	107.7
105°	196.7	189.4	182.0	177.2	176.6	172.4	161.3	147.6	133.3	118.8	105.3
107.5°	198.2	189.8	182.1	177.1	176.6	174.5	162.5	146.0	130.7	116.7	103.3
110°	200.1	190.6	182.5	176.8	175.2	173.9	160.8	142.4	127.1	113.9	101.6



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	197.7	186.2	176.2	168.0	164.3	164.1	153.3	137.9	123.4	110.9	99.7
115°	190.8	178.7	168.1	159.4	154.7	152.7	145.4	132.8	119.3	107.7	97.3
117.5°	184.2	171.6	160.7	151.6	145.5	141.9	137.4	127.1	114.8	104.2	94.6
120°	177.9	165.3	153.7	144.0	136.6	131.7	128.5	119.8	109.7	100.1	91.4
122.5°	172.4	159.3	147.2	136.6	128.2	122.6	118.2	112.0	103.5	95.1	87.4
125°	167.7	153.7	141.1	129.8	121.2	114.3	108.6	103.7	96.1	88.9	82.5
127.5°	164.0	148.6	135.8	124.1	114.3	106.5	100.2	94.5	88.2	83.4	79.0
130°	161.2	144.9	131.2	119.0	107.6	99.8	93.8	88.9	84.9	80.4	75.8
132.5°	159.4	142.6	127.1	115.0	104.7	96.5	90.4	85.7	81.4	77.4	73.0
135°	154.3	138.6	123.2	112.1	102.2	93.5	87.6	82.4	78.1	74.1	70.2
137.5°	146.9	133.3	119.9	108.5	99.3	91.4	84.4	79.4	75.0	71.0	67.3
140°	138.6	126.8	115.4	104.4	96.0	88.4	81.9	76.3	71.9	68.0	64.4
142.5°	129.0	119.3	109.6	100.3	91.7	85.1	78.9	73.5	68.8	65.0	61.4
145°	118.3	110.6	102.4	94.6	87.2	80.7	75.3	70.3	65.8	61.8	58.3
147.5°	106.6	100.4	94.0	87.4	81.3	75.6	70.6	66.2	62.1	58.4	55.0
150°	93.8	88.9	84.0	78.8	73.7	69.0	64.7	60.9	57.3	54.0	51.1
152.5°	80.0	76.2	72.3	68.5	64.5	60.6	57.0	54.0	52.1	49.9	47.6
155°	65.1	62.2	59.3	56.5	55.0	53.3	51.4	49.5	47.7	45.9	44.0
157.5°	54.6	53.5	52.4	51.1	49.8	48.5	47.0	45.2	43.4	41.6	39.9
160°	48.7	47.9	46.9	45.8	44.6	43.4	42.1	40.8	39.3	37.7	36.0
162.5°	42.7	42.1	41.4	40.5	39.4	38.3	37.2	36.0	34.8	33.5	32.1
165°	36.8	36.3	35.6	34.9	34.2	33.3	32.3	31.3	30.2	29.1	27.9
167.5°	31.2	30.5	29.9	29.3	28.7	28.0	27.3	26.5	25.6	24.6	23.6
170°	25.6	25.1	24.5	23.9	23.3	22.7	22.1	21.5	20.8	20.1	19.3
172.5°	20.0	19.6	19.2	18.7	18.2	17.7	17.2	16.6	16.0	15.4	14.9
175°	14.4	14.2	13.9	13.5	13.2	12.9	12.5	12.1	11.7	11.3	10.9
177.5°	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	6.7	6.5	6.3	6.0	5.8	5.6	5.3	5.1	4.8	4.5	4.3
5°	10.5	10.0	9.5	9.1	8.6	8.1	7.5	7.0	6.5	6.0	5.4
7.5°	14.3	13.7	13.0	12.4	11.7	11.0	10.3	9.5	8.8	8.0	7.3
10°	18.5	17.7	16.8	15.9	15.0	14.1	13.1	12.1	11.1	10.1	9.1
12.5°	22.6	21.6	20.5	19.4	18.3	17.1	15.9	14.7	13.4	12.2	10.9
15°	26.7	25.4	24.2	22.8	21.5	20.0	18.6	17.1	15.6	14.1	12.5
17.5°	30.7	29.1	27.6	26.0	24.3	22.7	21.1	19.4	17.7	16.0	14.2
20°	34.3	32.6	30.9	29.2	27.4	25.6	23.7	21.7	19.8	17.8	15.8
22.5°	38.1	36.3	34.4	32.3	30.2	28.1	26.0	23.8	21.7	19.5	17.3
25°	41.8	39.7	37.4	35.2	32.9	30.6	28.2	25.9	23.5	21.1	18.7
27.5°	45.2	42.8	40.4	37.9	35.4	32.9	30.4	27.8	25.3	22.7	20.1
30°	48.5	45.9	43.3	40.6	37.9	35.2	32.5	29.8	27.0	24.1	21.3
32.5°	51.9	49.0	46.1	43.3	40.4	37.5	34.4	31.3	28.2	25.2	22.2
35°	55.0	52.0	48.9	45.7	42.4	39.1	35.8	32.5	29.3	26.2	23.1
37.5°	58.0	54.7	51.2	47.7	44.1	40.6	37.1	33.9	30.7	27.5	24.1
40°	60.8	57.1	53.4	49.5	45.8	42.3	38.9	35.2	31.4	27.8	24.3
42.5°	63.5	59.5	55.4	51.8	48.1	43.9	39.6	35.6	31.9	28.3	24.8
45°	66.0	61.8	58.0	54.0	49.5	45.0	40.7	36.4	32.5	28.8	25.2
47.5°	68.6	64.7	60.3	55.6	50.9	46.3	41.9	37.4	33.0	29.2	25.6
50°	71.7	67.1	62.2	57.3	52.4	47.7	43.0	38.3	33.8	29.8	26.3
52.5°	74.4	69.4	64.1	59.0	54.1	48.9	43.8	39.2	34.9	30.6	26.5
55°	77.0	71.5	66.1	60.9	55.3	49.8	45.0	40.3	35.6	31.1	26.9
57.5°	80.3	73.7	68.3	62.3	56.4	51.0	46.0	41.1	36.3	31.8	27.2
60°	83.4	76.4	69.9	63.5	57.6	52.2	47.1	41.8	36.7	31.7	27.2
62.5°	86.0	78.2	70.8	64.3	58.8	53.6	47.8	42.1	36.5	31.8	27.3
65°	87.9	79.4	71.6	64.8	59.1	53.6	48.1	41.9	36.6	31.3	26.1
67.5°	89.4	80.4	72.1	65.1	58.7	52.6	46.7	41.8	36.1	30.3	25.1
70°	90.8	81.2	72.6	65.1	58.1	51.2	45.2	39.7	34.6	29.3	23.8
72.5°	92.1	82.0	73.0	64.9	57.2	49.9	43.4	37.6	31.9	27.0	22.4
75°	93.6	82.8	73.3	64.7	56.3	48.4	41.7	35.1	29.1	24.1	20.6
77.5°	95.4	84.0	73.7	64.3	55.4	47.1	40.2	32.5	26.7	22.0	18.3
80°	97.4	85.3	74.2	63.8	54.0	45.5	38.0	30.6	24.8	20.0	15.7
82.5°	99.6	86.8	74.8	63.4	52.7	43.7	35.7	28.9	23.4	18.2	13.2
85°	102.3	88.7	75.7	63.3	51.7	42.1	34.1	27.7	22.6	17.8	13.1
87.5°	105.4	91.1	77.1	63.8	51.2	40.9	33.3	27.0	22.5	18.5	14.1
90°	109.2	94.1	79.1	64.9	51.4	40.3	33.2	26.9	22.9	19.8	15.8
92.5°	105.4	91.1	77.1	63.8	51.2	40.9	33.3	27.0	22.5	18.5	14.1
95°	102.3	88.7	75.7	63.3	51.7	42.1	34.1	27.7	22.6	17.8	13.1
97.5°	99.6	86.8	74.8	63.4	52.7	43.7	35.7	28.9	23.4	18.2	13.2
100°	97.4	85.3	74.2	63.8	54.0	45.5	38.0	30.6	24.8	20.0	15.7
102.5°	95.4	84.0	73.7	64.3	55.4	47.1	40.2	32.5	26.7	22.0	18.3
105°	93.6	82.8	73.3	64.7	56.3	48.4	41.7	35.1	29.1	24.1	20.6
107.5°	92.1	82.0	73.0	64.9	57.2	49.9	43.4	37.6	31.9	27.0	22.4
110°	90.8	81.2	72.6	65.1	58.1	51.2	45.2	39.7	34.6	29.3	23.8





TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	89.4	80.4	72.1	65.1	58.7	52.6	46.7	41.8	36.1	30.3	25.1
115°	87.9	79.4	71.6	64.8	59.1	53.6	48.1	41.9	36.6	31.3	26.1
117.5°	86.0	78.2	70.8	64.3	58.8	53.6	47.8	42.1	36.5	31.8	27.3
120°	83.4	76.4	69.9	63.5	57.6	52.2	47.1	41.8	36.7	31.7	27.2
122.5°	80.3	73.7	68.3	62.3	56.4	51.0	46.0	41.1	36.3	31.8	27.2
125°	77.0	71.5	66.1	60.9	55.3	49.8	45.0	40.3	35.6	31.1	26.9
127.5°	74.4	69.4	64.1	59.0	54.1	48.9	43.8	39.2	34.9	30.6	26.5
130°	71.7	67.1	62.2	57.3	52.4	47.7	43.0	38.3	33.8	29.8	26.3
132.5°	68.6	64.7	60.3	55.6	50.9	46.3	41.9	37.4	33.0	29.2	25.6
135°	66.0	61.8	58.0	54.0	49.5	45.0	40.7	36.4	32.5	28.8	25.2
137.5°	63.5	59.5	55.4	51.8	48.1	43.9	39.6	35.6	31.9	28.3	24.8
140°	60.8	57.1	53.4	49.5	45.8	42.3	38.9	35.2	31.4	27.8	24.3
142.5°	58.0	54.7	51.2	47.7	44.1	40.6	37.1	33.9	30.7	27.5	24.1
145°	55.0	52.0	48.9	45.7	42.4	39.1	35.8	32.5	29.3	26.2	23.1
147.5°	51.9	49.0	46.1	43.3	40.4	37.5	34.4	31.3	28.2	25.2	22.2
150°	48.5	45.9	43.3	40.6	37.9	35.2	32.5	29.8	27.0	24.1	21.3
152.5°	45.2	42.8	40.4	37.9	35.4	32.9	30.4	27.8	25.3	22.7	20.1
155°	41.8	39.7	37.4	35.2	32.9	30.6	28.2	25.9	23.5	21.1	18.7
157.5°	38.1	36.3	34.4	32.3	30.2	28.1	26.0	23.8	21.7	19.5	17.3
160°	34.3	32.6	30.9	29.2	27.4	25.6	23.7	21.7	19.8	17.8	15.8
162.5°	30.7	29.1	27.6	26.0	24.3	22.7	21.1	19.4	17.7	16.0	14.2
165°	26.7	25.4	24.2	22.8	21.5	20.0	18.6	17.1	15.6	14.1	12.5
167.5°	22.6	21.6	20.5	19.4	18.3	17.1	15.9	14.7	13.4	12.2	10.9
170°	18.5	17.7	16.8	15.9	15.0	14.1	13.1	12.1	11.1	10.1	9.1
172.5°	14.3	13.7	13.0	12.4	11.7	11.0	10.3	9.5	8.8	8.0	7.3
175°	10.5	10.0	9.5	9.1	8.6	8.1	7.5	7.0	6.5	6.0	5.4
177.5°	6.7	6.5	6.3	6.0	5.8	5.6	5.3	5.1	4.8	4.5	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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.0	3.8	3.5	3.2	2.9	2.7	2.4	2.7	2.9	3.2	3.5
5°	4.9	4.3	3.8	3.2	2.7	2.1	1.6	2.1	2.7	3.2	3.8
7.5°	6.5	5.7	4.9	4.1	3.2	2.4	1.6	2.4	3.2	4.1	4.9
10°	8.0	7.0	5.9	4.8	3.8	2.7	1.6	2.7	3.8	4.8	5.9
12.5°	9.6	8.3	7.0	5.6	4.3	2.9	1.6	2.9	4.3	5.6	7.0
15°	11.0	9.5	7.9	6.3	4.8	3.2	1.6	3.2	4.8	6.3	7.9
17.5°	12.5	10.7	8.9	7.1	5.3	3.4	1.6	3.4	5.3	7.1	8.9
20°	13.8	11.8	9.8	7.7	5.7	3.6	1.6	3.6	5.7	7.7	9.8
22.5°	15.1	12.8	10.6	8.4	6.1	3.9	1.6	3.9	6.1	8.4	10.6
25°	16.3	13.8	11.4	9.0	6.5	4.1	1.6	4.1	6.5	9.0	11.4
27.5°	17.5	14.8	12.2	9.6	6.9	4.3	1.6	4.3	6.9	9.6	12.2
30°	18.4	15.6	12.8	10.0	7.2	4.4	1.6	4.4	7.2	10.0	12.8
32.5°	19.2	16.2	13.3	10.3	7.4	4.5	1.6	4.5	7.4	10.3	13.3
35°	20.0	17.0	13.9	10.8	7.7	4.7	1.6	4.7	7.7	10.8	13.9
37.5°	20.7	17.4	14.2	11.0	7.8	4.7	1.6	4.7	7.8	11.0	14.2
40°	21.0	17.7	14.4	11.2	8.0	4.8	1.6	4.8	8.0	11.2	14.4
42.5°	21.3	17.9	14.6	11.3	8.1	4.8	1.6	4.8	8.1	11.3	14.6
45°	21.7	18.3	15.0	11.8	8.7	5.5	2.4	5.5	8.7	11.8	15.0
47.5°	22.1	18.8	15.5	12.2	8.9	5.7	2.4	5.7	8.9	12.2	15.5
50°	22.7	19.1	15.6	12.2	8.9	5.6	2.4	5.6	8.9	12.2	15.6
52.5°	22.7	19.2	15.8	12.4	9.0	5.7	2.4	5.7	9.0	12.4	15.8
55°	23.2	19.4	15.8	12.3	9.0	5.7	2.4	5.7	9.0	12.3	15.8
57.5°	23.0	19.3	15.8	12.4	9.0	5.7	2.4	5.7	9.0	12.4	15.8
60°	23.3	19.5	15.6	12.0	8.6	5.5	2.4	5.5	8.6	12.0	15.6
62.5°	22.6	18.2	14.7	11.3	8.2	5.3	2.4	5.3	8.2	11.3	14.7
65°	21.6	17.5	14.0	10.9	8.1	5.6	3.2	5.6	8.1	10.9	14.0
67.5°	20.5	16.5	13.1	10.1	7.3	4.8	2.4	4.8	7.3	10.1	13.1
70°	19.1	15.4	12.1	9.4	7.1	5.1	3.2	5.1	7.1	9.4	12.1
72.5°	18.2	14.6	11.6	8.5	6.3	4.6	3.2	4.6	6.3	8.5	11.6
75°	17.7	14.1	10.8	7.6	5.4	4.2	3.2	4.2	5.4	7.6	10.8
77.5°	15.6	14.1	10.0	5.9	2.0	0.4	0.0	0.4	2.0	5.9	10.0
80°	13.0	10.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
82.5°	9.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	8.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	7.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	9.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.0	10.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
102.5°	15.6	14.1	10.0	5.9	2.0	0.4	0.0	0.4	2.0	5.9	10.0
105°	17.7	14.1	10.8	7.6	5.4	4.2	3.2	4.2	5.4	7.6	10.8
107.5°	18.2	14.6	11.6	8.5	6.3	4.6	3.2	4.6	6.3	8.5	11.6
110°	19.1	15.4	12.1	9.4	7.1	5.1	3.2	5.1	7.1	9.4	12.1



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	20.5	16.5	13.1	10.1	7.3	4.8	2.4	4.8	7.3	10.1	13.1
115°	21.6	17.5	14.0	10.9	8.1	5.6	3.2	5.6	8.1	10.9	14.0
117.5°	22.6	18.2	14.7	11.3	8.2	5.3	2.4	5.3	8.2	11.3	14.7
120°	23.3	19.5	15.6	12.0	8.6	5.5	2.4	5.5	8.6	12.0	15.6
122.5°	23.0	19.3	15.8	12.4	9.0	5.7	2.4	5.7	9.0	12.4	15.8
125°	23.2	19.4	15.8	12.3	9.0	5.7	2.4	5.7	9.0	12.3	15.8
127.5°	22.7	19.2	15.8	12.4	9.0	5.7	2.4	5.7	9.0	12.4	15.8
130°	22.7	19.1	15.6	12.2	8.9	5.6	2.4	5.6	8.9	12.2	15.6
132.5°	22.1	18.8	15.5	12.2	8.9	5.7	2.4	5.7	8.9	12.2	15.5
135°	21.7	18.3	15.0	11.8	8.7	5.5	2.4	5.5	8.7	11.8	15.0
137.5°	21.3	17.9	14.6	11.3	8.1	4.8	1.6	4.8	8.1	11.3	14.6
140°	21.0	17.7	14.4	11.2	8.0	4.8	1.6	4.8	8.0	11.2	14.4
142.5°	20.7	17.4	14.2	11.0	7.8	4.7	1.6	4.7	7.8	11.0	14.2
145°	20.0	17.0	13.9	10.8	7.7	4.7	1.6	4.7	7.7	10.8	13.9
147.5°	19.2	16.2	13.3	10.3	7.4	4.5	1.6	4.5	7.4	10.3	13.3
150°	18.4	15.6	12.8	10.0	7.2	4.4	1.6	4.4	7.2	10.0	12.8
152.5°	17.5	14.8	12.2	9.6	6.9	4.3	1.6	4.3	6.9	9.6	12.2
155°	16.3	13.8	11.4	9.0	6.5	4.1	1.6	4.1	6.5	9.0	11.4
157.5°	15.1	12.8	10.6	8.4	6.1	3.9	1.6	3.9	6.1	8.4	10.6
160°	13.8	11.8	9.8	7.7	5.7	3.6	1.6	3.6	5.7	7.7	9.8
162.5°	12.5	10.7	8.9	7.1	5.3	3.4	1.6	3.4	5.3	7.1	8.9
165°	11.0	9.5	7.9	6.3	4.8	3.2	1.6	3.2	4.8	6.3	7.9
167.5°	9.6	8.3	7.0	5.6	4.3	2.9	1.6	2.9	4.3	5.6	7.0
170°	8.0	7.0	5.9	4.8	3.8	2.7	1.6	2.7	3.8	4.8	5.9
172.5°	6.5	5.7	4.9	4.1	3.2	2.4	1.6	2.4	3.2	4.1	4.9
175°	4.9	4.3	3.8	3.2	2.7	2.1	1.6	2.1	2.7	3.2	3.8
177.5°	4.0	3.8	3.5	3.2	2.9	2.7	2.4	2.7	2.9	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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	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	4.0	4.3	4.5	4.8	5.1	5.3	5.6	5.8	6.0	6.3
5°	4.3	4.9	5.4	6.0	6.5	7.0	7.5	8.1	8.6	9.1	9.5
7.5°	5.7	6.5	7.3	8.0	8.8	9.5	10.3	11.0	11.7	12.4	13.0
10°	7.0	8.0	9.1	10.1	11.1	12.1	13.1	14.1	15.0	15.9	16.8
12.5°	8.3	9.6	10.9	12.2	13.4	14.7	15.9	17.1	18.3	19.4	20.5
15°	9.5	11.0	12.5	14.1	15.6	17.1	18.6	20.0	21.5	22.8	24.2
17.5°	10.7	12.5	14.2	16.0	17.7	19.4	21.1	22.7	24.3	26.0	27.6
20°	11.8	13.8	15.8	17.8	19.8	21.7	23.7	25.6	27.4	29.2	30.9
22.5°	12.8	15.1	17.3	19.5	21.7	23.8	26.0	28.1	30.2	32.3	34.4
25°	13.8	16.3	18.7	21.1	23.5	25.9	28.2	30.6	32.9	35.2	37.4
27.5°	14.8	17.5	20.1	22.7	25.3	27.8	30.4	32.9	35.4	37.9	40.4
30°	15.6	18.4	21.3	24.1	27.0	29.8	32.5	35.2	37.9	40.6	43.3
32.5°	16.2	19.2	22.2	25.2	28.2	31.3	34.4	37.5	40.4	43.3	46.1
35°	17.0	20.0	23.1	26.2	29.3	32.5	35.8	39.1	42.4	45.7	48.9
37.5°	17.4	20.7	24.1	27.5	30.7	33.9	37.1	40.6	44.1	47.7	51.2
40°	17.7	21.0	24.3	27.8	31.4	35.2	38.9	42.3	45.8	49.5	53.4
42.5°	17.9	21.3	24.8	28.3	31.9	35.6	39.6	43.9	48.1	51.8	55.4
45°	18.3	21.7	25.2	28.8	32.5	36.4	40.7	45.0	49.5	54.0	58.0
47.5°	18.8	22.1	25.6	29.2	33.0	37.4	41.9	46.3	50.9	55.6	60.3
50°	19.1	22.7	26.3	29.8	33.8	38.3	43.0	47.7	52.4	57.3	62.2
52.5°	19.2	22.7	26.5	30.6	34.9	39.2	43.8	48.9	54.1	59.0	64.1
55°	19.4	23.2	26.9	31.1	35.6	40.3	45.0	49.8	55.3	60.9	66.1
57.5°	19.3	23.0	27.2	31.8	36.3	41.1	46.0	51.0	56.4	62.3	68.3
60°	19.5	23.3	27.2	31.7	36.7	41.8	47.1	52.2	57.6	63.5	69.9
62.5°	18.2	22.6	27.3	31.8	36.5	42.1	47.8	53.6	58.8	64.3	70.8
65°	17.5	21.6	26.1	31.3	36.6	41.9	48.1	53.6	59.1	64.8	71.6
67.5°	16.5	20.5	25.1	30.3	36.1	41.8	46.7	52.6	58.7	65.1	72.1
70°	15.4	19.1	23.8	29.3	34.6	39.7	45.2	51.2	58.1	65.1	72.6
72.5°	14.6	18.2	22.4	27.0	31.9	37.6	43.4	49.9	57.2	64.9	73.0
75°	14.1	17.7	20.6	24.1	29.1	35.1	41.7	48.4	56.3	64.7	73.3
77.5°	14.1	15.6	18.3	22.0	26.7	32.5	40.2	47.1	55.4	64.3	73.7
80°	10.6	13.0	15.7	20.0	24.8	30.6	38.0	45.5	54.0	63.8	74.2
82.5°	6.0	9.7	13.2	18.2	23.4	28.9	35.7	43.7	52.7	63.4	74.8
85°	2.1	7.8	13.1	17.8	22.6	27.7	34.1	42.1	51.7	63.3	75.7
87.5°	0.7	8.3	14.1	18.5	22.5	27.0	33.3	40.9	51.2	63.8	77.1
90°	0.0	9.5	15.8	19.8	22.9	26.9	33.2	40.3	51.4	64.9	79.1
92.5°	0.7	8.3	14.1	18.5	22.5	27.0	33.3	40.9	51.2	63.8	77.1
95°	2.1	7.8	13.1	17.8	22.6	27.7	34.1	42.1	51.7	63.3	75.7
97.5°	6.0	9.7	13.2	18.2	23.4	28.9	35.7	43.7	52.7	63.4	74.8
100°	10.6	13.0	15.7	20.0	24.8	30.6	38.0	45.5	54.0	63.8	74.2
102.5°	14.1	15.6	18.3	22.0	26.7	32.5	40.2	47.1	55.4	64.3	73.7
105°	14.1	17.7	20.6	24.1	29.1	35.1	41.7	48.4	56.3	64.7	73.3
107.5°	14.6	18.2	22.4	27.0	31.9	37.6	43.4	49.9	57.2	64.9	73.0
110°	15.4	19.1	23.8	29.3	34.6	39.7	45.2	51.2	58.1	65.1	72.6



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	16.5	20.5	25.1	30.3	36.1	41.8	46.7	52.6	58.7	65.1	72.1
115°	17.5	21.6	26.1	31.3	36.6	41.9	48.1	53.6	59.1	64.8	71.6
117.5°	18.2	22.6	27.3	31.8	36.5	42.1	47.8	53.6	58.8	64.3	70.8
120°	19.5	23.3	27.2	31.7	36.7	41.8	47.1	52.2	57.6	63.5	69.9
122.5°	19.3	23.0	27.2	31.8	36.3	41.1	46.0	51.0	56.4	62.3	68.3
125°	19.4	23.2	26.9	31.1	35.6	40.3	45.0	49.8	55.3	60.9	66.1
127.5°	19.2	22.7	26.5	30.6	34.9	39.2	43.8	48.9	54.1	59.0	64.1
130°	19.1	22.7	26.3	29.8	33.8	38.3	43.0	47.7	52.4	57.3	62.2
132.5°	18.8	22.1	25.6	29.2	33.0	37.4	41.9	46.3	50.9	55.6	60.3
135°	18.3	21.7	25.2	28.8	32.5	36.4	40.7	45.0	49.5	54.0	58.0
137.5°	17.9	21.3	24.8	28.3	31.9	35.6	39.6	43.9	48.1	51.8	55.4
140°	17.7	21.0	24.3	27.8	31.4	35.2	38.9	42.3	45.8	49.5	53.4
142.5°	17.4	20.7	24.1	27.5	30.7	33.9	37.1	40.6	44.1	47.7	51.2
145°	17.0	20.0	23.1	26.2	29.3	32.5	35.8	39.1	42.4	45.7	48.9
147.5°	16.2	19.2	22.2	25.2	28.2	31.3	34.4	37.5	40.4	43.3	46.1
150°	15.6	18.4	21.3	24.1	27.0	29.8	32.5	35.2	37.9	40.6	43.3
152.5°	14.8	17.5	20.1	22.7	25.3	27.8	30.4	32.9	35.4	37.9	40.4
155°	13.8	16.3	18.7	21.1	23.5	25.9	28.2	30.6	32.9	35.2	37.4
157.5°	12.8	15.1	17.3	19.5	21.7	23.8	26.0	28.1	30.2	32.3	34.4
160°	11.8	13.8	15.8	17.8	19.8	21.7	23.7	25.6	27.4	29.2	30.9
162.5°	10.7	12.5	14.2	16.0	17.7	19.4	21.1	22.7	24.3	26.0	27.6
165°	9.5	11.0	12.5	14.1	15.6	17.1	18.6	20.0	21.5	22.8	24.2
167.5°	8.3	9.6	10.9	12.2	13.4	14.7	15.9	17.1	18.3	19.4	20.5
170°	7.0	8.0	9.1	10.1	11.1	12.1	13.1	14.1	15.0	15.9	16.8
172.5°	5.7	6.5	7.3	8.0	8.8	9.5	10.3	11.0	11.7	12.4	13.0
175°	4.3	4.9	5.4	6.0	6.5	7.0	7.5	8.1	8.6	9.1	9.5
177.5°	3.8	4.0	4.3	4.5	4.8	5.1	5.3	5.6	5.8	6.0	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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.3
5°	10.0	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.2	13.5	13.9
7.5°	13.7	14.3	14.9	15.4	16.0	16.6	17.2	17.7	18.2	18.7	19.2
10°	17.7	18.5	19.3	20.1	20.8	21.5	22.1	22.7	23.3	23.9	24.5
12.5°	21.6	22.6	23.6	24.6	25.6	26.5	27.3	28.0	28.7	29.3	29.9
15°	25.4	26.7	27.9	29.1	30.2	31.3	32.3	33.3	34.2	34.9	35.6
17.5°	29.1	30.7	32.1	33.5	34.8	36.0	37.2	38.3	39.4	40.5	41.4
20°	32.6	34.3	36.0	37.7	39.3	40.8	42.1	43.4	44.6	45.8	46.9
22.5°	36.3	38.1	39.9	41.6	43.4	45.2	47.0	48.5	49.8	51.1	52.4
25°	39.7	41.8	44.0	45.9	47.7	49.5	51.4	53.3	55.0	56.5	59.3
27.5°	42.8	45.2	47.6	49.9	52.1	54.0	57.0	60.6	64.5	68.5	72.3
30°	45.9	48.5	51.1	54.0	57.3	60.9	64.7	69.0	73.7	78.8	84.0
32.5°	49.0	51.9	55.0	58.4	62.1	66.2	70.6	75.6	81.3	87.4	94.0
35°	52.0	55.0	58.3	61.8	65.8	70.3	75.3	80.7	87.2	94.6	102.4
37.5°	54.7	58.0	61.4	65.0	68.8	73.5	78.9	85.1	91.7	100.3	109.6
40°	57.1	60.8	64.4	68.0	71.9	76.3	81.9	88.4	96.0	104.4	115.4
42.5°	59.5	63.5	67.3	71.0	75.0	79.4	84.4	91.4	99.3	108.5	119.9
45°	61.8	66.0	70.2	74.1	78.1	82.4	87.6	93.5	102.2	112.1	123.2
47.5°	64.7	68.6	73.0	77.4	81.4	85.7	90.4	96.5	104.7	115.0	127.1
50°	67.1	71.7	75.8	80.4	84.9	88.9	93.8	99.8	107.6	119.0	131.2
52.5°	69.4	74.4	79.0	83.4	88.2	94.5	100.2	106.5	114.3	124.1	135.8
55°	71.5	77.0	82.5	88.9	96.1	103.7	108.6	114.3	121.2	129.8	141.1
57.5°	73.7	80.3	87.4	95.1	103.5	112.0	118.2	122.6	128.2	136.6	147.2
60°	76.4	83.4	91.4	100.1	109.7	119.8	128.5	131.7	136.6	144.0	153.7
62.5°	78.2	86.0	94.6	104.2	114.8	127.1	137.4	141.9	145.5	151.6	160.7
65°	79.4	87.9	97.3	107.7	119.3	132.8	145.4	152.7	154.7	159.4	168.1
67.5°	80.4	89.4	99.7	110.9	123.4	137.9	153.3	164.1	164.3	168.0	176.2
70°	81.2	90.8	101.6	113.9	127.1	142.4	160.8	173.9	175.2	176.8	182.5
72.5°	82.0	92.1	103.3	116.7	130.7	146.0	162.5	174.5	176.6	177.1	182.1
75°	82.8	93.6	105.3	118.8	133.3	147.6	161.3	172.4	176.6	177.2	182.0
77.5°	84.0	95.4	107.7	121.2	136.1	150.4	161.8	170.9	176.2	177.2	182.0
80°	85.3	97.4	110.4	124.1	139.3	154.1	163.6	170.0	175.5	177.2	182.1
82.5°	86.8	99.6	113.5	127.4	142.9	158.7	166.6	169.5	174.6	177.1	182.4
85°	88.7	102.3	117.1	131.3	146.9	163.9	170.4	169.5	173.6	177.1	182.9
87.5°	91.1	105.4	121.1	135.7	151.4	169.6	174.5	169.7	172.6	177.1	183.5
90°	94.1	109.2	125.8	140.8	156.6	175.6	178.8	170.1	171.6	177.2	184.3
92.5°	91.1	105.4	121.1	135.7	151.4	169.6	174.5	169.7	172.6	177.1	183.5
95°	88.7	102.3	117.1	131.3	146.9	163.9	170.4	169.5	173.6	177.1	182.9
97.5°	86.8	99.6	113.5	127.4	142.9	158.7	166.6	169.5	174.6	177.1	182.4
100°	85.3	97.4	110.4	124.1	139.3	154.1	163.6	170.0	175.5	177.2	182.1
102.5°	84.0	95.4	107.7	121.2	136.1	150.4	161.8	170.9	176.2	177.2	182.0
105°	82.8	93.6	105.3	118.8	133.3	147.6	161.3	172.4	176.6	177.2	182.0
107.5°	82.0	92.1	103.3	116.7	130.7	146.0	162.5	174.5	176.6	177.1	182.1
110°	81.2	90.8	101.6	113.9	127.1	142.4	160.8	173.9	175.2	176.8	182.5



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	80.4	89.4	99.7	110.9	123.4	137.9	153.3	164.1	164.3	168.0	176.2
115°	79.4	87.9	97.3	107.7	119.3	132.8	145.4	152.7	154.7	159.4	168.1
117.5°	78.2	86.0	94.6	104.2	114.8	127.1	137.4	141.9	145.5	151.6	160.7
120°	76.4	83.4	91.4	100.1	109.7	119.8	128.5	131.7	136.6	144.0	153.7
122.5°	73.7	80.3	87.4	95.1	103.5	112.0	118.2	122.6	128.2	136.6	147.2
125°	71.5	77.0	82.5	88.9	96.1	103.7	108.6	114.3	121.2	129.8	141.1
127.5°	69.4	74.4	79.0	83.4	88.2	94.5	100.2	106.5	114.3	124.1	135.8
130°	67.1	71.7	75.8	80.4	84.9	88.9	93.8	99.8	107.6	119.0	131.2
132.5°	64.7	68.6	73.0	77.4	81.4	85.7	90.4	96.5	104.7	115.0	127.1
135°	61.8	66.0	70.2	74.1	78.1	82.4	87.6	93.5	102.2	112.1	123.2
137.5°	59.5	63.5	67.3	71.0	75.0	79.4	84.4	91.4	99.3	108.5	119.9
140°	57.1	60.8	64.4	68.0	71.9	76.3	81.9	88.4	96.0	104.4	115.4
142.5°	54.7	58.0	61.4	65.0	68.8	73.5	78.9	85.1	91.7	100.3	109.6
145°	52.0	55.0	58.3	61.8	65.8	70.3	75.3	80.7	87.2	94.6	102.4
147.5°	49.0	51.9	55.0	58.4	62.1	66.2	70.6	75.6	81.3	87.4	94.0
150°	45.9	48.5	51.1	54.0	57.3	60.9	64.7	69.0	73.7	78.8	84.0
152.5°	42.8	45.2	47.6	49.9	52.1	54.0	57.0	60.6	64.5	68.5	72.3
155°	39.7	41.8	44.0	45.9	47.7	49.5	51.4	53.3	55.0	56.5	59.3
157.5°	36.3	38.1	39.9	41.6	43.4	45.2	47.0	48.5	49.8	51.1	52.4
160°	32.6	34.3	36.0	37.7	39.3	40.8	42.1	43.4	44.6	45.8	46.9
162.5°	29.1	30.7	32.1	33.5	34.8	36.0	37.2	38.3	39.4	40.5	41.4
165°	25.4	26.7	27.9	29.1	30.2	31.3	32.3	33.3	34.2	34.9	35.6
167.5°	21.6	22.6	23.6	24.6	25.6	26.5	27.3	28.0	28.7	29.3	29.9
170°	17.7	18.5	19.3	20.1	20.8	21.5	22.1	22.7	23.3	23.9	24.5
172.5°	13.7	14.3	14.9	15.4	16.0	16.6	17.2	17.7	18.2	18.7	19.2
175°	10.0	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.2	13.5	13.9
177.5°	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.3
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	8.5	8.6	8.7	8.8	8.9	9.0	9.0	9.1	9.1	9.2	10.0
5°	14.2	14.4	14.7	14.9	15.2	15.4	15.5	15.7	15.8	15.9	17.6
7.5°	19.6	20.0	20.4	20.8	21.2	21.6	21.9	22.2	22.5	22.7	25.2
10°	25.1	25.6	26.0	26.5	27.0	27.6	28.1	28.6	29.1	29.5	32.8
12.5°	30.5	31.2	31.8	32.3	32.8	33.5	34.2	35.0	35.6	36.2	40.3
15°	36.3	36.8	37.5	38.2	38.7	39.3	40.2	41.2	42.1	43.0	47.7
17.5°	42.1	42.7	43.3	44.0	44.7	45.3	46.1	47.4	48.6	49.8	55.2
20°	47.9	48.7	49.3	49.9	50.6	51.3	51.9	53.4	55.0	56.5	62.6
22.5°	53.5	54.6	55.3	56.0	56.6	57.3	58.0	59.4	61.4	63.3	69.9
25°	62.2	65.1	67.9	70.3	72.6	75.1	77.5	80.3	83.7	86.8	94.4
27.5°	76.2	80.0	83.8	87.3	90.5	93.8	97.6	101.3	105.9	110.2	119.1
30°	88.9	93.8	98.7	103.4	107.7	111.9	117.1	122.0	128.1	133.7	143.9
32.5°	100.4	106.6	112.7	118.7	124.3	129.6	136.0	142.7	150.0	157.2	168.7
35°	110.6	118.3	125.9	133.2	140.3	147.0	154.5	162.9	171.9	180.6	193.6
37.5°	119.3	129.0	138.1	147.0	156.0	163.8	172.5	182.9	193.6	204.1	218.6
40°	126.8	138.6	149.5	160.2	170.5	180.3	190.1	202.6	215.1	227.6	243.6
42.5°	133.3	146.9	160.1	173.3	184.7	196.3	207.7	222.0	236.6	251.0	268.7
45°	138.6	154.3	170.0	184.6	198.5	211.9	224.8	241.1	258.0	274.5	293.8
47.5°	142.6	159.4	175.3	189.8	203.6	216.9	230.5	247.6	266.4	285.7	306.4
50°	144.9	161.2	176.7	191.3	205.5	219.6	234.8	253.4	274.6	297.0	318.9
52.5°	148.6	164.0	178.9	193.2	207.4	222.3	239.0	259.1	282.6	308.2	331.3
55°	153.7	167.7	181.9	195.5	209.6	225.1	242.9	264.6	290.5	319.5	343.8
57.5°	159.3	172.4	185.7	198.2	212.1	227.9	246.8	270.0	298.3	330.7	356.2
60°	165.3	177.9	190.7	201.7	214.9	230.8	250.5	275.4	306.0	342.0	368.6
62.5°	171.6	184.2	195.3	205.7	218.0	233.7	254.2	280.7	313.7	353.2	380.9
65°	178.7	190.8	201.1	210.2	221.3	236.8	257.8	286.0	321.3	364.5	393.2
67.5°	186.2	197.7	207.5	215.2	224.9	239.9	261.4	291.3	328.9	375.7	405.5
70°	190.6	200.1	208.6	215.0	223.4	237.7	258.9	289.1	326.8	374.7	409.4
72.5°	189.8	198.2	206.5	212.8	220.8	234.8	256.2	286.7	324.7	373.8	413.2
75°	189.4	196.7	204.6	210.6	218.2	232.1	253.5	284.5	322.6	372.8	418.6
77.5°	189.3	195.5	202.8	208.5	215.8	229.6	251.0	282.5	320.7	371.8	422.2
80°	189.5	194.6	201.1	206.5	213.6	227.2	248.7	280.6	318.9	370.9	425.7
82.5°	190.0	194.0	199.6	204.6	211.4	224.9	246.6	278.8	317.1	369.9	429.2
85°	190.6	193.5	198.1	202.7	209.4	222.8	244.6	277.2	315.4	368.9	432.7
87.5°	191.4	193.2	196.7	201.0	207.5	220.9	242.8	275.8	313.9	368.0	436.3
90°	192.2	193.0	195.4	199.3	205.7	219.1	241.2	274.5	312.4	367.0	439.8
92.5°	191.4	193.2	196.7	201.0	207.5	220.9	242.8	275.8	313.9	368.0	436.3
95°	190.6	193.5	198.1	202.7	209.4	222.8	244.6	277.2	315.4	368.9	432.7
97.5°	190.0	194.0	199.6	204.6	211.4	224.9	246.6	278.8	317.1	369.9	429.2
100°	189.5	194.6	201.1	206.5	213.6	227.2	248.7	280.6	318.9	370.9	425.7
102.5°	189.3	195.5	202.8	208.5	215.8	229.6	251.0	282.5	320.7	371.8	422.2
105°	189.4	196.7	204.6	210.6	218.2	232.1	253.5	284.5	322.6	372.8	418.6
107.5°	189.8	198.2	206.5	212.8	220.8	234.8	256.2	286.7	324.7	373.8	413.2
110°	190.6	200.1	208.6	215.0	223.4	237.7	258.9	289.1	326.8	374.7	409.4





TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	186.2	197.7	207.5	215.2	224.9	239.9	261.4	291.3	328.9	375.7	405.5
115°	178.7	190.8	201.1	210.2	221.3	236.8	257.8	286.0	321.3	364.5	393.2
117.5°	171.6	184.2	195.3	205.7	218.0	233.7	254.2	280.7	313.7	353.2	380.9
120°	165.3	177.9	190.7	201.7	214.9	230.8	250.5	275.4	306.0	342.0	368.6
122.5°	159.3	172.4	185.7	198.2	212.1	227.9	246.8	270.0	298.3	330.7	356.2
125°	153.7	167.7	181.9	195.5	209.6	225.1	242.9	264.6	290.5	319.5	343.8
127.5°	148.6	164.0	178.9	193.2	207.4	222.3	239.0	259.1	282.6	308.2	331.3
130°	144.9	161.2	176.7	191.3	205.5	219.6	234.8	253.4	274.6	297.0	318.9
132.5°	142.6	159.4	175.3	189.8	203.6	216.9	230.5	247.6	266.4	285.7	306.4
135°	138.6	154.3	170.0	184.6	198.5	211.9	224.8	241.1	258.0	274.5	293.8
137.5°	133.3	146.9	160.1	173.3	184.7	196.3	207.7	222.0	236.6	251.0	268.7
140°	126.8	138.6	149.5	160.2	170.5	180.3	190.1	202.6	215.1	227.6	243.6
142.5°	119.3	129.0	138.1	147.0	156.0	163.8	172.5	182.9	193.6	204.1	218.6
145°	110.6	118.3	125.9	133.2	140.3	147.0	154.5	162.9	171.9	180.6	193.6
147.5°	100.4	106.6	112.7	118.7	124.3	129.6	136.0	142.7	150.0	157.2	168.7
150°	88.9	93.8	98.7	103.4	107.7	111.9	117.1	122.0	128.1	133.7	143.9
152.5°	76.2	80.0	83.8	87.3	90.5	93.8	97.6	101.3	105.9	110.2	119.1
155°	62.2	65.1	67.9	70.3	72.6	75.1	77.5	80.3	83.7	86.8	94.4
157.5°	53.5	54.6	55.3	56.0	56.6	57.3	58.0	59.4	61.4	63.3	69.9
160°	47.9	48.7	49.3	49.9	50.6	51.3	51.9	53.4	55.0	56.5	62.6
162.5°	42.1	42.7	43.3	44.0	44.7	45.3	46.1	47.4	48.6	49.8	55.2
165°	36.3	36.8	37.5	38.2	38.7	39.3	40.2	41.2	42.1	43.0	47.7
167.5°	30.5	31.2	31.8	32.3	32.8	33.5	34.2	35.0	35.6	36.2	40.3
170°	25.1	25.6	26.0	26.5	27.0	27.6	28.1	28.6	29.1	29.5	32.8
172.5°	19.6	20.0	20.4	20.8	21.2	21.6	21.9	22.2	22.5	22.7	25.2
175°	14.2	14.4	14.7	14.9	15.2	15.4	15.5	15.7	15.8	15.9	17.6
177.5°	8.5	8.6	8.7	8.8	8.9	9.0	9.0	9.1	9.1	9.2	10.0
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	10.9	11.7	12.6	13.4	14.2	14.9	15.7	16.4	17.1	17.7	18.4
5°	19.3	21.0	22.6	24.2	25.7	27.2	28.7	30.1	31.5	32.8	34.0
7.5°	27.7	30.1	32.5	34.8	37.1	39.3	41.6	44.4	47.1	49.7	52.2
10°	36.0	39.2	42.3	45.3	48.5	52.5	56.3	60.1	63.7	67.2	70.7
12.5°	44.2	48.1	51.9	56.2	61.3	66.3	71.1	75.9	80.5	85.1	89.7
15°	52.4	57.0	61.7	68.0	74.2	80.2	86.0	91.6	97.0	102.3	108.2
17.5°	60.5	65.7	72.4	79.8	87.1	94.0	100.2	106.3	112.4	118.2	123.9
20°	68.5	74.5	83.2	91.7	99.9	106.7	113.4	120.0	126.8	133.4	139.8
22.5°	76.4	84.2	94.0	103.6	111.5	118.6	125.7	133.4	140.9	148.1	155.0
25°	101.6	110.5	120.2	128.9	135.0	140.7	146.5	152.1	157.1	161.3	168.5
27.5°	127.5	138.0	148.6	156.7	163.3	169.5	175.5	180.9	185.1	189.0	192.8
30°	153.6	165.4	176.9	184.4	191.9	197.7	203.5	207.9	211.9	215.7	219.3
32.5°	180.1	192.7	203.8	211.8	218.9	224.9	229.9	233.8	237.5	241.1	246.3
35°	206.5	219.8	230.7	239.1	245.7	251.8	255.1	258.5	262.0	266.3	273.3
37.5°	232.8	246.9	257.5	266.1	271.7	276.3	279.3	282.3	285.7	291.8	299.3
40°	259.0	273.8	284.0	292.1	297.1	300.2	302.6	305.1	309.5	315.9	326.4
42.5°	285.2	300.4	310.5	317.4	321.7	323.4	325.1	327.0	332.6	340.8	352.0
45°	311.3	326.4	336.8	342.3	345.1	345.8	346.8	349.5	354.4	365.1	377.7
47.5°	327.0	345.8	360.3	368.3	373.0	374.8	374.6	373.9	377.4	389.0	402.9
50°	342.7	365.3	383.8	396.4	406.5	415.1	422.3	430.6	438.0	442.9	445.4
52.5°	358.8	385.5	408.2	426.1	442.6	459.0	475.9	493.1	508.6	517.2	518.5
55°	375.3	406.4	433.7	457.6	481.2	506.3	534.0	560.8	582.6	593.1	585.3
57.5°	392.1	427.8	460.4	490.9	522.2	556.7	596.3	632.1	656.9	663.8	646.0
60°	409.1	449.8	488.0	525.7	566.2	610.4	662.3	706.6	732.2	726.8	703.8
62.5°	426.3	472.3	516.4	562.0	612.2	668.4	731.2	784.0	808.5	785.2	758.2
65°	443.7	495.1	545.5	599.4	659.9	728.8	801.6	859.5	884.9	839.8	809.4
67.5°	461.3	518.2	575.1	637.8	709.0	791.1	873.8	933.5	945.3	892.8	857.9
70°	464.9	523.4	583.9	651.7	729.8	822.0	913.5	980.4	988.9	942.8	905.6
72.5°	467.7	526.9	589.3	658.9	738.4	831.4	919.0	982.1	987.4	956.2	926.5
75°	470.2	530.1	594.4	665.4	745.8	839.0	922.1	983.9	991.6	972.9	944.3
77.5°	472.4	532.9	599.1	671.3	752.1	844.8	923.1	985.7	1000.5	992.3	962.0
80°	475.8	535.4	603.3	676.4	757.4	848.8	922.2	987.2	1013.0	1013.9	980.0
82.5°	476.7	539.1	609.5	680.8	761.5	851.3	919.5	988.2	1028.2	1037.1	998.4
85°	477.5	540.0	611.5	685.9	766.6	854.7	917.3	991.0	1044.8	1061.3	1017.4
87.5°	478.4	540.9	613.4	687.8	767.3	852.5	910.3	988.3	1062.6	1086.2	1036.7
90°	479.3	541.8	615.4	689.7	768.0	850.3	903.3	985.5	1078.1	1110.5	1058.3
92.5°	478.4	540.9	613.4	687.8	767.3	852.5	910.3	988.3	1062.6	1086.2	1036.7
95°	477.5	540.0	611.5	685.9	766.6	854.7	917.3	991.0	1044.8	1061.3	1017.4
97.5°	476.7	539.1	609.5	680.8	761.5	851.3	919.5	988.2	1028.2	1037.1	998.4
100°	475.8	535.4	603.3	676.4	757.4	848.8	922.2	987.2	1013.0	1013.9	980.0
102.5°	472.4	532.9	599.1	671.3	752.1	844.8	923.1	985.7	1000.5	992.3	962.0
105°	470.2	530.1	594.4	665.4	745.8	839.0	922.1	983.9	991.6	972.9	944.3
107.5°	467.7	526.9	589.3	658.9	738.4	831.4	919.0	982.1	987.4	956.2	926.5
110°	464.9	523.4	583.9	651.7	729.8	822.0	913.5	980.4	988.9	942.8	905.6



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	461.3	518.2	575.1	637.8	709.0	791.1	873.8	933.5	945.3	892.8	857.9
115°	443.7	495.1	545.5	599.4	659.9	728.8	801.6	859.5	884.9	839.8	809.4
117.5°	426.3	472.3	516.4	562.0	612.2	668.4	731.2	784.0	808.5	785.2	758.2
120°	409.1	449.8	488.0	525.7	566.2	610.4	662.3	706.6	732.2	726.8	703.8
122.5°	392.1	427.8	460.4	490.9	522.2	556.7	596.3	632.1	656.9	663.8	646.0
125°	375.3	406.4	433.7	457.6	481.2	506.3	534.0	560.8	582.6	593.1	585.3
127.5°	358.8	385.5	408.2	426.1	442.6	459.0	475.9	493.1	508.6	517.2	518.5
130°	342.7	365.3	383.8	396.4	406.5	415.1	422.3	430.6	438.0	442.9	445.4
132.5°	327.0	345.8	360.3	368.3	373.0	374.8	374.6	373.9	377.4	389.0	402.9
135°	311.3	326.4	336.8	342.3	345.1	345.8	346.8	349.5	354.4	365.1	377.7
137.5°	285.2	300.4	310.5	317.4	321.7	323.4	325.1	327.0	332.6	340.8	352.0
140°	259.0	273.8	284.0	292.1	297.1	300.2	302.6	305.1	309.5	315.9	326.4
142.5°	232.8	246.9	257.5	266.1	271.7	276.3	279.3	282.3	285.7	291.8	299.3
145°	206.5	219.8	230.7	239.1	245.7	251.8	255.1	258.5	262.0	266.3	273.3
147.5°	180.1	192.7	203.8	211.8	218.9	224.9	229.9	233.8	237.5	241.1	246.3
150°	153.6	165.4	176.9	184.4	191.9	197.7	203.5	207.9	211.9	215.7	219.3
152.5°	127.5	138.0	148.6	156.7	163.3	169.5	175.5	180.9	185.1	189.0	192.8
155°	101.6	110.5	120.2	128.9	135.0	140.7	146.5	152.1	157.1	161.3	168.5
157.5°	76.4	84.2	94.0	103.6	111.5	118.6	125.7	133.4	140.9	148.1	155.0
160°	68.5	74.5	83.2	91.7	99.9	106.7	113.4	120.0	126.8	133.4	139.8
162.5°	60.5	65.7	72.4	79.8	87.1	94.0	100.2	106.3	112.4	118.2	123.9
165°	52.4	57.0	61.7	68.0	74.2	80.2	86.0	91.6	97.0	102.3	108.2
167.5°	44.2	48.1	51.9	56.2	61.3	66.3	71.1	75.9	80.5	85.1	89.7
170°	36.0	39.2	42.3	45.3	48.5	52.5	56.3	60.1	63.7	67.2	70.7
172.5°	27.7	30.1	32.5	34.8	37.1	39.3	41.6	44.4	47.1	49.7	52.2
175°	19.3	21.0	22.6	24.2	25.7	27.2	28.7	30.1	31.5	32.8	34.0
177.5°	10.9	11.7	12.6	13.4	14.2	14.9	15.7	16.4	17.1	17.7	18.4
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	19.0	19.5	20.1	20.6	21.1	21.5	21.9	22.3	22.6	22.9	23.2
5°	35.6	37.1	38.5	39.9	41.1	42.3	43.4	44.4	45.3	46.2	46.9
7.5°	54.5	56.8	59.0	61.0	63.0	65.3	67.4	69.4	71.3	73.0	74.6
10°	74.1	77.6	81.0	84.3	87.4	90.5	93.3	95.8	97.8	99.7	101.4
12.5°	94.1	98.3	102.4	105.9	109.3	112.4	115.4	118.2	120.8	123.8	126.9
15°	112.3	116.9	121.3	125.5	129.6	134.4	139.0	143.5	147.8	151.9	155.7
17.5°	129.4	135.3	140.4	146.1	151.7	157.2	162.2	166.8	171.2	175.4	179.4
20°	146.2	152.7	159.0	165.2	170.9	176.5	181.9	187.3	192.7	197.6	202.2
22.5°	161.9	168.7	175.2	181.6	188.1	195.4	202.3	208.8	214.6	219.0	222.4
25°	175.6	182.7	190.6	198.8	207.6	215.9	223.8	230.6	236.3	241.3	246.2
27.5°	196.3	200.8	207.7	218.0	229.0	239.2	249.3	256.7	264.2	270.5	275.6
30°	224.7	231.6	238.8	248.0	256.9	267.0	278.0	287.6	295.4	302.1	308.2
32.5°	253.4	261.6	271.6	281.5	292.2	302.3	311.3	319.8	328.4	336.7	344.1
35°	281.6	292.2	303.2	315.0	326.2	336.7	346.4	355.5	363.8	373.4	384.7
37.5°	310.3	321.9	334.6	347.2	359.3	370.5	381.0	391.5	403.0	415.1	428.4
40°	337.9	351.4	365.1	378.9	391.6	403.5	416.5	429.8	445.1	462.0	481.0
42.5°	365.7	380.1	395.4	409.7	422.9	437.9	452.9	471.1	491.4	516.0	542.5
45°	392.3	409.0	424.9	439.4	455.6	472.2	491.9	513.7	542.8	573.9	609.5
47.5°	419.4	437.3	452.9	469.8	488.0	508.0	531.3	562.0	597.2	635.7	685.3
50°	449.0	463.9	480.8	500.3	520.3	542.9	574.5	611.7	654.7	710.4	769.3
52.5°	516.5	516.5	521.4	529.7	551.4	581.5	618.5	662.8	723.0	788.3	857.9
55°	578.4	575.7	579.1	582.7	597.2	620.9	661.8	724.0	793.1	867.5	956.8
57.5°	635.6	630.7	629.2	632.4	649.6	679.1	724.9	786.4	863.2	954.3	1053.4
60°	689.0	681.0	674.8	681.6	701.5	734.8	791.5	860.2	941.8	1035.3	1141.6
62.5°	739.9	726.7	716.9	725.5	749.9	794.0	854.7	928.5	1021.0	1121.2	1235.8
65°	787.2	768.2	759.9	769.5	796.0	845.4	911.8	997.0	1095.7	1207.6	1342.2
67.5°	831.4	806.0	798.9	811.0	843.1	895.3	965.6	1056.6	1164.3	1300.4	1451.3
70°	872.6	841.6	834.2	848.6	883.8	939.4	1017.0	1115.6	1237.9	1385.9	1547.7
72.5°	896.1	873.1	869.6	885.1	919.5	979.5	1060.3	1167.6	1309.6	1458.4	1607.1
75°	914.5	898.2	900.4	920.5	958.9	1018.8	1103.1	1216.8	1372.5	1512.7	1659.4
77.5°	934.8	924.0	930.6	953.8	995.8	1059.5	1148.1	1270.3	1417.0	1555.8	1698.8
80°	956.5	950.4	960.3	985.3	1029.4	1094.8	1185.2	1311.4	1452.7	1596.7	1743.2
82.5°	979.6	977.3	989.3	1015.1	1060.1	1125.2	1215.1	1340.9	1480.4	1629.1	1778.7
85°	1003.6	1004.5	1017.8	1043.4	1088.1	1151.3	1238.5	1360.2	1500.0	1652.6	1804.7
87.5°	1028.3	1031.9	1046.1	1070.8	1114.6	1174.9	1258.3	1373.6	1515.4	1671.6	1826.0
90°	1053.6	1059.1	1073.3	1096.3	1137.4	1192.8	1269.5	1373.9	1514.7	1671.3	1826.3
92.5°	1028.3	1031.9	1046.1	1070.8	1114.6	1174.9	1258.3	1373.6	1515.4	1671.6	1826.0
95°	1003.6	1004.5	1017.8	1043.4	1088.1	1151.3	1238.5	1360.2	1500.0	1652.6	1804.7
97.5°	979.6	977.3	989.3	1015.1	1060.1	1125.2	1215.1	1340.9	1480.4	1629.1	1778.7
100°	956.5	950.4	960.3	985.3	1029.4	1094.8	1185.2	1311.4	1452.7	1596.7	1743.2
102.5°	934.8	924.0	930.6	953.8	995.8	1059.5	1148.1	1270.3	1417.0	1555.8	1698.8
105°	914.5	898.2	900.4	920.5	958.9	1018.8	1103.1	1216.8	1372.5	1512.7	1659.4
107.5°	896.1	873.1	869.6	885.1	919.5	979.5	1060.3	1167.6	1309.6	1458.4	1607.1
110°	872.6	841.6	834.2	848.6	883.8	939.4	1017.0	1115.6	1237.9	1385.9	1547.7



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	831.4	806.0	798.9	811.0	843.1	895.3	965.6	1056.6	1164.3	1300.4	1451.3
115°	787.2	768.2	759.9	769.5	796.0	845.4	911.8	997.0	1095.7	1207.6	1342.2
117.5°	739.9	726.7	716.9	725.5	749.9	794.0	854.7	928.5	1021.0	1121.2	1235.8
120°	689.0	681.0	674.8	681.6	701.5	734.8	791.5	860.2	941.8	1035.3	1141.6
122.5°	635.6	630.7	629.2	632.4	649.6	679.1	724.9	786.4	863.2	954.3	1053.4
125°	578.4	575.7	579.1	582.7	597.2	620.9	661.8	724.0	793.1	867.5	956.8
127.5°	516.5	516.5	521.4	529.7	551.4	581.5	618.5	662.8	723.0	788.3	857.9
130°	449.0	463.9	480.8	500.3	520.3	542.9	574.5	611.7	654.7	710.4	769.3
132.5°	419.4	437.3	452.9	469.8	488.0	508.0	531.3	562.0	597.2	635.7	685.3
135°	392.3	409.0	424.9	439.4	455.6	472.2	491.9	513.7	542.8	573.9	609.5
137.5°	365.7	380.1	395.4	409.7	422.9	437.9	452.9	471.1	491.4	516.0	542.5
140°	337.9	351.4	365.1	378.9	391.6	403.5	416.5	429.8	445.1	462.0	481.0
142.5°	310.3	321.9	334.6	347.2	359.3	370.5	381.0	391.5	403.0	415.1	428.4
145°	281.6	292.2	303.2	315.0	326.2	336.7	346.4	355.5	363.8	373.4	384.7
147.5°	253.4	261.6	271.6	281.5	292.2	302.3	311.3	319.8	328.4	336.7	344.1
150°	224.7	231.6	238.8	248.0	256.9	267.0	278.0	287.6	295.4	302.1	308.2
152.5°	196.3	200.8	207.7	218.0	229.0	239.2	249.3	256.7	264.2	270.5	275.6
155°	175.6	182.7	190.6	198.8	207.6	215.9	223.8	230.6	236.3	241.3	246.2
157.5°	161.9	168.7	175.2	181.6	188.1	195.4	202.3	208.8	214.6	219.0	222.4
160°	146.2	152.7	159.0	165.2	170.9	176.5	181.9	187.3	192.7	197.6	202.2
162.5°	129.4	135.3	140.4	146.1	151.7	157.2	162.2	166.8	171.2	175.4	179.4
165°	112.3	116.9	121.3	125.5	129.6	134.4	139.0	143.5	147.8	151.9	155.7
167.5°	94.1	98.3	102.4	105.9	109.3	112.4	115.4	118.2	120.8	123.8	126.9
170°	74.1	77.6	81.0	84.3	87.4	90.5	93.3	95.8	97.8	99.7	101.4
172.5°	54.5	56.8	59.0	61.0	63.0	65.3	67.4	69.4	71.3	73.0	74.6
175°	35.6	37.1	38.5	39.9	41.1	42.3	43.4	44.4	45.3	46.2	46.9
177.5°	19.0	19.5	20.1	20.6	21.1	21.5	21.9	22.3	22.6	22.9	23.2
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	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	23.6	23.7	23.8	23.9	23.9	24.6	24.3	24.0	23.7	23.5
5°	47.5	48.1	48.5	48.8	49.1	49.2	49.3	49.2	49.8	49.2	48.7
7.5°	76.1	77.4	78.5	79.5	80.4	81.0	81.5	81.8	82.0	82.8	82.1
10°	103.0	104.4	105.5	106.5	107.4	108.0	108.4	108.6	108.7	109.4	108.5
12.5°	129.9	132.6	135.1	137.3	139.3	141.1	142.5	143.7	144.5	145.1	146.0
15°	158.8	161.7	164.3	166.8	168.9	170.8	172.4	173.8	174.8	175.5	176.6
17.5°	183.2	186.5	189.4	191.9	194.1	195.9	197.3	198.4	199.1	199.5	200.1
20°	206.2	209.3	210.9	211.8	212.2	212.0	211.4	210.4	209.0	207.2	205.4
22.5°	225.0	226.8	228.5	230.0	230.6	230.6	229.8	228.5	226.6	224.1	221.8
25°	250.0	252.8	254.6	255.9	256.4	256.1	255.1	253.3	250.8	247.6	243.9
27.5°	279.6	282.7	284.7	286.7	288.9	290.3	290.8	290.4	289.2	287.1	284.1
30°	313.3	318.4	322.8	326.3	332.6	338.2	342.8	346.5	349.1	350.5	350.4
32.5°	351.7	361.2	370.4	379.1	388.5	397.7	405.6	412.1	417.2	420.6	422.3
35°	395.9	409.8	424.0	437.2	450.4	466.4	480.7	493.2	503.6	511.8	517.4
37.5°	445.8	464.1	486.7	508.4	528.8	550.2	569.9	587.3	602.0	613.9	622.8
40°	504.6	530.3	559.3	588.1	615.2	644.3	675.0	702.5	726.6	746.8	762.7
42.5°	573.0	604.0	639.5	681.9	722.5	761.4	799.6	833.8	863.4	888.1	907.7
45°	647.3	693.6	737.4	788.6	838.9	890.8	937.3	983.0	1021.3	1051.8	1074.8
47.5°	737.4	792.9	848.1	909.1	980.5	1044.8	1104.8	1159.3	1205.4	1242.6	1270.7
50°	833.3	900.6	981.8	1061.4	1145.0	1220.9	1293.3	1367.7	1432.1	1485.6	1527.3
52.5°	939.8	1028.7	1122.4	1217.0	1323.1	1428.5	1520.7	1596.1	1666.9	1730.9	1785.8
55°	1052.1	1153.9	1264.2	1389.5	1509.8	1613.2	1706.7	1791.4	1868.0	1936.7	1996.0
57.5°	1158.9	1282.2	1416.7	1547.5	1674.5	1770.4	1865.6	1952.3	2027.7	2098.1	2161.6
60°	1268.8	1410.1	1558.7	1690.2	1806.2	1903.9	1987.9	2071.2	2148.5	2218.9	2281.6
62.5°	1373.9	1540.6	1683.7	1812.3	1910.4	2004.2	2088.5	2168.0	2248.2	2321.2	2385.6
65°	1500.6	1649.6	1786.2	1892.5	1993.7	2089.1	2177.2	2260.7	2340.6	2414.5	2478.3
67.5°	1606.3	1747.0	1853.7	1960.9	2065.2	2162.3	2256.1	2345.0	2427.7	2502.3	2565.6
70°	1687.1	1812.6	1922.6	2024.1	2123.3	2226.0	2325.5	2418.5	2507.4	2582.3	2638.8
72.5°	1748.5	1872.7	1982.6	2080.5	2179.1	2278.9	2380.7	2477.0	2573.1	2662.8	2713.6
75°	1798.5	1920.1	2026.1	2127.0	2230.8	2327.4	2419.2	2522.1	2627.5	2722.0	2775.9
77.5°	1840.1	1959.1	2057.1	2164.6	2269.5	2367.5	2460.8	2555.7	2661.6	2753.6	2818.0
80°	1873.7	1981.4	2080.3	2190.9	2297.8	2399.9	2497.4	2595.8	2686.8	2778.0	2841.5
82.5°	1898.0	2001.2	2106.2	2212.7	2315.5	2416.5	2523.5	2629.4	2725.8	2811.5	2856.2
85°	1910.4	2014.2	2122.1	2227.0	2334.2	2438.8	2543.6	2649.0	2753.9	2827.9	2845.1
87.5°	1915.8	2019.5	2127.3	2229.4	2343.4	2451.3	2550.9	2656.2	2763.5	2846.4	2876.3
90°	1906.2	2016.2	2122.2	2220.3	2340.5	2449.6	2539.0	2642.6	2745.5	2852.2	2890.2
92.5°	1915.8	2019.5	2127.3	2229.4	2343.4	2451.3	2550.9	2656.2	2763.5	2846.4	2876.3
95°	1910.4	2014.2	2122.1	2227.0	2334.2	2438.8	2543.6	2649.0	2753.9	2827.9	2845.1
97.5°	1898.0	2001.2	2106.2	2212.7	2315.5	2416.5	2523.5	2629.4	2725.8	2811.5	2856.2
100°	1873.7	1981.4	2080.3	2190.9	2297.8	2399.9	2497.4	2595.8	2686.8	2778.0	2841.5
102.5°	1840.1	1959.1	2057.1	2164.6	2269.5	2367.5	2460.8	2555.7	2661.6	2753.6	2818.0
105°	1798.5	1920.1	2026.1	2127.0	2230.8	2327.4	2419.2	2522.1	2627.5	2722.0	2775.9
107.5°	1748.5	1872.7	1982.6	2080.5	2179.1	2278.9	2380.7	2477.0	2573.1	2662.8	2713.6
110°	1687.1	1812.6	1922.6	2024.1	2123.3	2226.0	2325.5	2418.5	2507.4	2582.3	2638.8



TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1606.3	1747.0	1853.7	1960.9	2065.2	2162.3	2256.1	2345.0	2427.7	2502.3	2565.6
115°	1500.6	1649.6	1786.2	1892.5	1993.7	2089.1	2177.2	2260.7	2340.6	2414.5	2478.3
117.5°	1373.9	1540.6	1683.7	1812.3	1910.4	2004.2	2088.5	2168.0	2248.2	2321.2	2385.6
120°	1268.8	1410.1	1558.7	1690.2	1806.2	1903.9	1987.9	2071.2	2148.5	2218.9	2281.6
122.5°	1158.9	1282.2	1416.7	1547.5	1674.5	1770.4	1865.6	1952.3	2027.7	2098.1	2161.6
125°	1052.1	1153.9	1264.2	1389.5	1509.8	1613.2	1706.7	1791.4	1868.0	1936.7	1996.0
127.5°	939.8	1028.7	1122.4	1217.0	1323.1	1428.5	1520.7	1596.1	1666.9	1730.9	1785.8
130°	833.3	900.6	981.8	1061.4	1145.0	1220.9	1293.3	1367.7	1432.1	1485.6	1527.3
132.5°	737.4	792.9	848.1	909.1	980.5	1044.8	1104.8	1159.3	1205.4	1242.6	1270.7
135°	647.3	693.6	737.4	788.6	838.9	890.8	937.3	983.0	1021.3	1051.8	1074.8
137.5°	573.0	604.0	639.5	681.9	722.5	761.4	799.6	833.8	863.4	888.1	907.7
140°	504.6	530.3	559.3	588.1	615.2	644.3	675.0	702.5	726.6	746.8	762.7
142.5°	445.8	464.1	486.7	508.4	528.8	550.2	569.9	587.3	602.0	613.9	622.8
145°	395.9	409.8	424.0	437.2	450.4	466.4	480.7	493.2	503.6	511.8	517.4
147.5°	351.7	361.2	370.4	379.1	388.5	397.7	405.6	412.1	417.2	420.6	422.3
150°	313.3	318.4	322.8	326.3	332.6	338.2	342.8	346.5	349.1	350.5	350.4
152.5°	279.6	282.7	284.7	286.7	288.9	290.3	290.8	290.4	289.2	287.1	284.1
155°	250.0	252.8	254.6	255.9	256.4	256.1	255.1	253.3	250.8	247.6	243.9
157.5°	225.0	226.8	228.6	230.0	230.6	230.6	229.8	228.5	226.6	224.1	221.8
160°	206.2	209.3	210.9	211.8	212.2	212.0	211.4	210.4	209.0	207.2	205.4
162.5°	183.2	186.5	189.4	191.9	194.1	195.9	197.3	198.4	199.1	199.5	200.1
165°	158.8	161.7	164.3	166.8	168.9	170.8	172.4	173.8	174.8	175.5	176.6
167.5°	129.9	132.6	135.1	137.3	139.3	141.1	142.5	143.7	144.5	145.1	146.0
170°	103.0	104.4	105.5	106.5	107.4	108.0	108.4	108.6	108.7	109.4	108.5
172.5°	76.1	77.4	78.5	79.5	80.4	81.0	81.5	81.8	82.0	82.8	82.1
175°	47.5	48.1	48.5	48.8	49.1	49.2	49.3	49.2	49.8	49.2	48.7
177.5°	23.4	23.6	23.7	23.8	23.9	23.9	24.6	24.3	24.0	23.7	23.5
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: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	2.4	2.4
2.5°	23.2	22.9
5°	48.1	47.5
7.5°	81.4	80.7
10°	107.7	106.8
12.5°	145.4	144.7
15°	176.1	175.6
17.5°	199.3	198.5
20°	203.2	200.9
22.5°	218.1	214.4
25°	239.9	234.9
27.5°	280.6	275.3
30°	349.8	345.7
32.5°	423.1	420.0
35°	521.9	520.5
37.5°	630.1	630.4
40°	776.5	779.9
42.5°	924.8	930.2
45°	1093.8	1097.9
47.5°	1294.3	1298.8
50°	1563.2	1571.7
52.5°	1837.1	1858.8
55°	2051.0	2080.2
57.5°	2222.3	2260.6
60°	2340.6	2381.6
62.5°	2441.1	2487.6
65°	2532.3	2577.0
67.5°	2617.8	2660.0
70°	2682.2	2715.4
72.5°	2744.5	2761.3
75°	2795.1	2803.2
77.5°	2830.2	2834.8
80°	2858.9	2852.2
82.5°	2882.3	2879.1
85°	2890.2	2925.8
87.5°	2870.5	2918.7
90°	2876.8	2874.4
92.5°	2870.5	2918.7
95°	2890.2	2925.8
97.5°	2882.3	2879.1
100°	2858.9	2852.2
102.5°	2830.2	2834.8
105°	2795.1	2803.2
107.5°	2744.5	2761.3
110°	2682.2	2715.4





TEST NUMBER: P232008

CATALOG NUMBER: FVS4WM-4-LD4-30-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2617.8	2660.0
115°	2532.3	2577.0
117.5°	2441.1	2487.6
120°	2340.6	2381.6
122.5°	2222.3	2260.6
125°	2051.0	2080.2
127.5°	1837.1	1858.8
130°	1563.2	1571.7
132.5°	1294.3	1298.8
135°	1093.8	1097.9
137.5°	924.8	930.2
140°	776.5	779.9
142.5°	630.1	630.4
145°	521.9	520.5
147.5°	423.1	420.0
150°	349.8	345.7
152.5°	280.6	275.3
155°	239.9	234.9
157.5°	218.1	214.4
160°	203.2	200.9
162.5°	199.3	198.5
165°	176.1	175.6
167.5°	145.4	144.7
170°	107.7	106.8
172.5°	81.4	80.7
175°	48.1	47.5
177.5°	23.2	22.9
180°	2.0	2.0

(END OF REPORT)