

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: P232085

Luminaire Tested: **FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-30)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

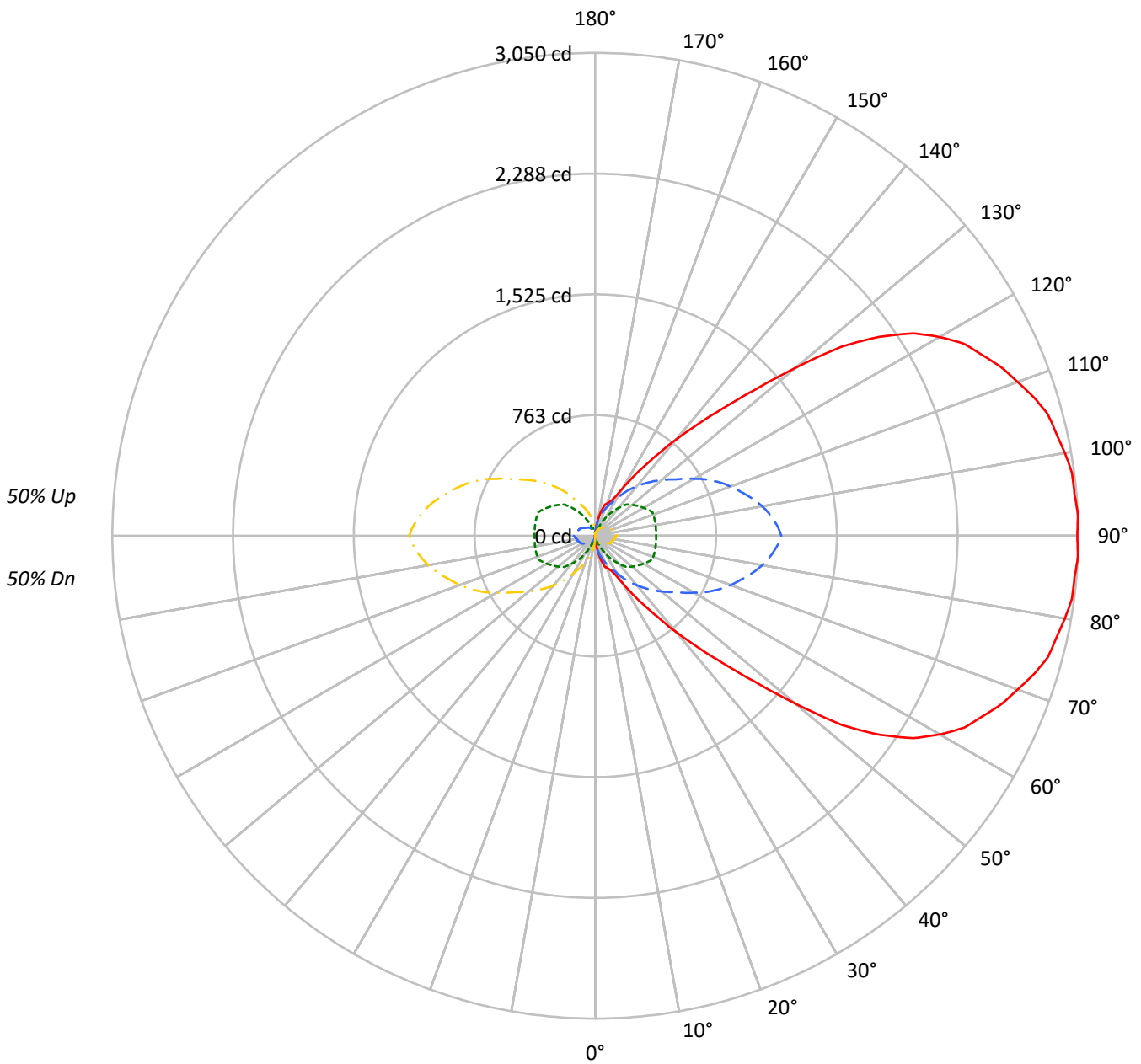
Lumens per Lamp: N/A  
Luminaire Lumens: 6858.9 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Spacing Criteria (0/90/45): 28.9 / 18.21 / 19.38  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 71.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	33	28
2	80	69	60	53	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	59	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	33	58	46	37	30	37	30	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	12	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

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

	0°	90°	180°	270°
0°	20	20	20	20
5°	862	280	0	280
10°	1696	541	0	541
15°	2541	810	0	810
20°	2799	1093	0	1093
25°	3031	1758	0	1758
30°	4031	2853	0	2853
35°	5903	4061	0	4061
40°	8486	5422	0	5422
45°	11830	6999	10	6999
50°	16889	8233	10	8233
55°	22245	9765	10	9765
60°	25429	11717	10	11717
65°	27471	14308	10	14308
70°	29277	17313	21	17313
75°	31165	21073	21	21073
80°	32650	27243	0	27243
85°	34210	39062	0	39062



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	22.2	0.3
20°-30°	59.6	0.9
30°-40°	137.2	2.0
40°-50°	269.0	3.9
50°-60°	479.4	7.0
60°-70°	696.1	10.1
70°-80°	844.8	12.3
80°-90°	918.1	13.4
90°-100°	918.1	13.4
100°-110°	844.8	12.3
110°-120°	696.1	10.1
120°-130°	479.4	7.0
130°-140°	269.0	3.9
140°-150°	137.2	2.0
150°-160°	59.6	0.9
160°-170°	22.2	0.3
170°-180°	3.1	0.0
0°-30°	84.9	1.2
0°-40°	222.1	3.2
0°-60°	970.5	14.1
0°-90°	3429.4	50.0
90°-120°	2458.9	35.9
90°-150°	3344.5	48.8
90°-180°	3429.0	50.0
0°-180°	6858.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	50	14	0	14	50	7
15°	180	41	0	41	180	51
25°	248	85	0	85	248	122
35°	532	182	0	182	532	348
45°	1133	278	1	278	1133	912
55°	2191	328	1	328	2191	1939
65°	2698	378	1	378	2698	2676
75°	2959	388	2	388	2959	3113
85°	3037	385	0	385	3037	2479
90°	3043	383	0	383	3043	1670
95°	3037	385	0	385	3037	2479
105°	2959	388	2	388	2959	3113
115°	2698	378	1	378	2698	2676
125°	2191	328	1	328	2191	1939
135°	1133	278	1	278	1133	912
145°	532	182	0	182	532	348
155°	248	85	0	85	248	122
165°	180	41	0	41	180	51
175°	50	14	0	14	50	7
180°	1	1	1	1	1	



TEST NUMBER: P232085

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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	21.6	21.9	22.2	22.5	22.8	23.0	23.3	22.6	22.6	22.6	22.5
5°	50.0	50.6	51.1	51.7	52.2	51.4	51.4	51.2	51.0	50.6	50.1
7.5°	81.4	82.2	82.9	83.7	83.0	83.0	82.7	82.3	81.8	81.0	80.1
10°	109.8	110.7	111.6	112.4	111.6	111.5	111.2	110.7	110.1	109.2	108.1
12.5°	144.1	144.9	145.6	145.0	144.6	144.0	143.1	141.9	140.5	138.8	136.8
15°	180.4	180.8	181.2	179.7	178.7	177.4	175.7	173.8	171.5	169.0	166.3
17.5°	207.8	208.3	208.9	207.7	206.9	205.7	204.2	202.2	199.8	197.1	193.9
20°	214.7	216.6	218.4	219.5	220.6	221.4	221.7	221.6	221.0	219.8	218.1
22.5°	228.4	231.7	235.0	236.9	238.8	240.3	241.2	241.5	241.1	239.9	238.0
25°	248.0	252.9	256.9	260.5	263.5	265.7	267.2	267.8	267.6	266.3	264.1
27.5°	282.4	288.1	292.1	295.8	298.5	300.4	301.4	301.4	300.6	298.8	296.6
30°	348.0	353.2	355.1	356.4	356.2	354.7	351.9	348.0	343.0	336.9	334.0
32.5°	433.3	436.8	435.7	433.9	430.2	424.8	418.0	409.9	400.8	391.7	383.4
35°	532.4	533.7	529.2	523.7	515.9	506.0	494.3	481.0	466.3	453.1	439.9
37.5°	645.1	644.5	636.7	627.3	614.9	599.6	581.7	561.5	539.9	521.0	501.3
40°	792.2	788.4	774.3	758.2	737.9	713.9	686.6	656.3	627.1	599.4	570.1
42.5°	951.0	946.0	928.5	908.1	882.0	850.2	813.1	771.0	731.8	691.9	650.3
45°	1133.3	1125.3	1101.8	1075.3	1042.1	1002.9	958.1	914.6	857.6	801.7	744.7
47.5°	1360.8	1348.9	1316.1	1279.0	1233.0	1178.7	1116.9	1053.9	993.5	929.2	864.6
50°	1647.1	1631.0	1586.0	1535.0	1471.4	1396.2	1310.4	1228.6	1146.2	1058.9	985.0
52.5°	1963.7	1938.2	1878.8	1813.7	1735.8	1647.0	1549.0	1443.7	1327.9	1214.8	1116.0
55°	2191.2	2157.2	2096.8	2032.3	1958.5	1877.0	1783.4	1663.2	1532.3	1397.6	1262.0
57.5°	2379.4	2337.1	2270.9	2201.4	2124.0	2040.2	1946.3	1844.8	1736.4	1579.3	1426.0
60°	2510.8	2466.0	2401.5	2332.8	2255.4	2170.0	2079.5	1988.0	1879.3	1744.4	1587.7
62.5°	2625.5	2575.0	2514.8	2444.7	2365.1	2277.5	2192.6	2104.5	2001.4	1889.0	1732.0
65°	2698.1	2657.3	2606.6	2543.6	2466.5	2380.8	2291.4	2196.2	2097.7	1989.0	1863.5
67.5°	2777.5	2740.4	2693.1	2634.3	2563.3	2476.6	2381.3	2280.2	2173.3	2066.5	1950.9
70°	2838.3	2813.4	2776.3	2722.9	2645.7	2555.6	2459.5	2353.4	2242.8	2130.8	2025.4
72.5°	2904.9	2885.3	2853.8	2808.8	2723.8	2621.3	2521.2	2413.2	2304.4	2195.0	2084.9
75°	2958.9	2943.5	2917.4	2863.5	2772.0	2670.4	2565.1	2467.5	2358.0	2244.7	2132.6
77.5°	2981.4	2980.2	2966.5	2911.1	2822.7	2705.4	2607.6	2509.3	2401.0	2282.2	2166.1
80°	3010.8	3007.0	2992.7	2954.3	2872.3	2757.9	2643.9	2542.8	2432.9	2309.1	2188.5
82.5°	3036.3	3026.0	3009.6	2975.1	2901.9	2784.2	2667.6	2558.4	2450.6	2335.1	2214.8
85°	3037.3	3047.0	3028.8	2990.6	2913.8	2792.4	2680.0	2574.3	2466.6	2353.0	2231.5
87.5°	3050.0	3053.7	3030.9	2999.3	2931.7	2808.2	2692.7	2577.5	2470.3	2356.7	2237.6
90°	3043.2	3049.1	3014.7	2997.1	2927.5	2799.1	2690.2	2565.7	2460.8	2347.1	2232.4
92.5°	3050.0	3053.7	3030.9	2999.3	2931.7	2808.2	2692.7	2577.5	2470.3	2356.7	2237.6
95°	3037.3	3047.0	3028.8	2990.6	2913.8	2792.4	2680.0	2574.3	2466.6	2353.0	2231.5
97.5°	3036.3	3026.0	3009.6	2975.1	2901.9	2784.2	2667.6	2558.4	2450.6	2335.1	2214.8
100°	3010.8	3007.0	2992.7	2954.3	2872.3	2757.9	2643.9	2542.8	2432.9	2309.1	2188.5
102.5°	2981.4	2980.2	2966.5	2911.1	2822.7	2705.4	2607.6	2509.3	2401.0	2282.2	2166.1
105°	2958.9	2943.5	2917.4	2863.5	2772.0	2670.4	2565.1	2467.5	2358.0	2244.7	2132.6
107.5°	2904.9	2885.3	2853.8	2808.8	2723.8	2621.3	2521.2	2413.2	2304.4	2195.0	2084.9
110°	2838.3	2813.4	2776.3	2722.9	2645.7	2555.6	2459.5	2353.4	2242.8	2130.8	2025.4



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2777.5	2740.4	2693.1	2634.3	2563.3	2476.6	2381.3	2280.2	2173.3	2066.5	1950.9
115°	2698.1	2657.3	2606.6	2543.6	2466.5	2380.8	2291.4	2196.2	2097.7	1989.0	1863.5
117.5°	2625.5	2575.0	2514.8	2444.7	2365.1	2277.5	2192.6	2104.5	2001.4	1889.0	1732.0
120°	2510.8	2466.0	2401.5	2332.8	2255.4	2170.0	2079.5	1988.0	1879.3	1744.4	1587.7
122.5°	2379.4	2337.1	2270.9	2201.4	2124.0	2040.2	1946.3	1844.8	1736.4	1579.3	1426.0
125°	2191.2	2157.2	2096.8	2032.3	1958.5	1877.0	1783.4	1663.2	1532.3	1397.6	1262.0
127.5°	1963.7	1938.2	1878.8	1813.7	1735.8	1647.0	1549.0	1443.7	1327.9	1214.8	1116.0
130°	1647.1	1631.0	1586.0	1535.0	1471.4	1396.2	1310.4	1228.6	1146.2	1058.9	985.0
132.5°	1360.8	1348.9	1316.1	1279.0	1233.0	1178.7	1116.9	1053.9	993.5	929.2	864.6
135°	1133.3	1125.3	1101.8	1075.3	1042.1	1002.9	958.1	914.6	857.6	801.7	744.7
137.5°	951.0	946.0	928.5	908.1	882.0	850.2	813.1	771.0	731.8	691.9	650.3
140°	792.2	788.4	774.3	758.2	737.9	713.9	686.6	656.3	627.1	599.4	570.1
142.5°	645.1	644.5	636.7	627.3	614.9	599.6	581.7	561.5	539.9	521.0	501.3
145°	532.4	533.7	529.2	523.7	515.9	506.0	494.3	481.0	466.3	453.1	439.9
147.5°	433.3	436.8	435.7	433.9	430.2	424.8	418.0	409.9	400.8	391.7	383.4
150°	348.0	353.2	355.1	356.4	356.2	354.7	351.9	348.0	343.0	336.9	334.0
152.5°	282.4	288.1	292.1	295.8	298.5	300.4	301.4	301.4	300.6	298.8	296.6
155°	248.0	252.9	256.9	260.5	263.5	265.7	267.2	267.8	267.6	266.3	264.1
157.5°	228.4	231.7	235.0	236.9	238.8	240.3	241.2	241.5	241.1	239.9	238.0
160°	214.7	216.6	218.4	219.5	220.6	221.4	221.7	221.6	221.0	219.8	218.1
162.5°	207.8	208.3	208.9	207.7	206.9	205.7	204.2	202.2	199.8	197.1	193.9
165°	180.4	180.8	181.2	179.7	178.7	177.4	175.7	173.8	171.5	169.0	166.3
167.5°	144.1	144.9	145.6	145.0	144.6	144.0	143.1	141.9	140.5	138.8	136.8
170°	109.8	110.7	111.6	112.4	111.6	111.5	111.2	110.7	110.1	109.2	108.1
172.5°	81.4	82.2	82.9	83.7	83.0	83.0	82.7	82.3	81.8	81.0	80.1
175°	50.0	50.6	51.1	51.7	52.2	51.4	51.4	51.2	51.0	50.6	50.1
177.5°	21.6	21.9	22.2	22.5	22.8	23.0	23.3	22.6	22.6	22.6	22.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	22.3	22.2	21.9	21.7	21.4	21.1	20.7	20.3	19.8	19.3	18.8
5°	49.6	48.9	48.1	47.2	46.2	45.1	43.9	42.6	41.2	39.8	38.2
7.5°	79.0	77.8	76.4	74.9	73.2	71.3	69.3	67.2	64.9	62.7	60.4
10°	106.8	105.4	103.7	101.9	100.0	97.8	95.4	92.5	89.5	86.3	83.0
12.5°	134.7	132.3	129.7	126.9	124.0	121.3	118.4	115.4	112.1	108.7	105.1
15°	163.3	160.2	156.8	153.3	149.6	145.7	141.6	137.4	133.0	128.8	124.6
17.5°	190.4	186.5	182.3	178.0	173.5	168.8	164.1	159.3	154.2	148.9	143.6
20°	215.7	211.9	207.0	201.8	196.1	190.0	184.3	178.8	173.3	167.7	161.8
22.5°	235.5	232.8	229.2	224.8	219.5	212.9	205.6	197.9	190.0	183.7	177.7
25°	261.8	258.4	254.0	248.5	242.5	235.8	228.0	219.2	210.1	200.7	191.9
27.5°	293.7	289.5	284.0	277.7	270.8	262.5	254.4	243.2	232.0	220.1	209.2
30°	330.1	325.2	320.2	312.2	303.6	293.5	283.1	271.2	260.1	250.3	240.3
32.5°	374.1	364.1	356.4	348.8	340.3	329.6	317.9	306.2	295.0	283.4	272.7
35°	426.1	412.6	400.5	387.9	376.3	366.1	355.1	342.2	328.8	316.2	303.5
37.5°	481.0	463.8	447.4	433.2	417.0	401.9	389.0	376.4	362.6	348.0	334.0
40°	541.5	518.5	496.9	477.8	459.4	441.5	424.6	408.6	394.3	379.3	363.7
42.5°	614.5	582.5	552.0	527.6	504.7	482.3	461.3	442.8	424.8	409.0	392.8
45°	700.7	654.9	616.7	580.8	551.1	523.8	500.0	476.8	456.9	437.7	420.5
47.5°	800.5	739.7	688.6	640.1	601.9	567.8	538.7	512.8	488.3	467.2	447.5
50°	909.4	837.5	767.7	709.4	655.8	614.1	578.4	547.9	521.1	496.1	474.2
52.5°	1019.5	936.1	855.3	782.3	718.2	661.1	619.0	583.7	554.1	525.2	512.6
55°	1144.4	1035.9	943.5	856.3	782.0	716.1	657.9	619.9	595.6	577.5	566.6
57.5°	1279.8	1146.2	1032.0	933.2	843.8	771.4	714.2	670.8	642.2	624.3	615.0
60°	1418.8	1264.1	1124.8	1007.4	916.0	838.6	774.5	719.9	687.6	667.6	658.4
62.5°	1558.8	1378.0	1226.4	1101.4	994.4	902.8	832.5	773.8	729.9	705.4	696.9
65°	1687.2	1507.4	1336.5	1193.8	1074.6	971.7	885.9	821.5	770.8	743.5	733.9
67.5°	1812.1	1626.6	1448.1	1285.9	1148.6	1034.1	938.8	868.2	814.3	779.7	766.8
70°	1893.1	1725.2	1549.8	1368.0	1221.2	1097.6	992.9	910.2	852.6	812.4	795.9
72.5°	1968.8	1800.2	1619.2	1444.5	1285.0	1152.7	1040.4	949.6	886.8	845.3	826.9
75°	2016.4	1868.7	1674.3	1504.0	1336.1	1201.2	1086.7	990.6	924.4	879.6	855.7
77.5°	2057.7	1925.9	1719.2	1549.8	1388.9	1250.5	1133.5	1033.3	959.6	911.7	883.7
80°	2081.8	1956.4	1774.7	1590.2	1431.9	1289.7	1173.2	1070.8	991.6	941.7	910.8
82.5°	2102.5	1982.3	1812.5	1619.1	1463.0	1319.4	1206.2	1103.4	1020.6	969.7	937.2
85°	2114.3	2000.9	1833.4	1636.9	1483.0	1340.5	1232.9	1131.4	1046.9	996.0	963.0
87.5°	2117.0	2016.6	1844.9	1648.8	1497.0	1356.9	1256.2	1156.8	1071.7	1021.4	988.4
90°	2110.8	2007.9	1828.5	1641.2	1494.1	1361.8	1269.6	1174.5	1092.2	1044.1	1012.8
92.5°	2117.0	2016.6	1844.9	1648.8	1497.0	1356.9	1256.2	1156.8	1071.7	1021.4	988.4
95°	2114.3	2000.9	1833.4	1636.9	1483.0	1340.5	1232.9	1131.4	1046.9	996.0	963.0
97.5°	2102.5	1982.3	1812.5	1619.1	1463.0	1319.4	1206.2	1103.4	1020.6	969.7	937.2
100°	2081.8	1956.4	1774.7	1590.2	1431.9	1289.7	1173.2	1070.8	991.6	941.7	910.8
102.5°	2057.7	1925.9	1719.2	1549.8	1388.9	1250.5	1133.5	1033.3	959.6	911.7	883.7
105°	2016.4	1868.7	1674.3	1504.0	1336.1	1201.2	1086.7	990.6	924.4	879.6	855.7
107.5°	1968.8	1800.2	1619.2	1444.5	1285.0	1152.7	1040.4	949.6	886.8	845.3	826.9
110°	1893.1	1725.2	1549.8	1368.0	1221.2	1097.6	992.9	910.2	852.6	812.4	795.9





TEST NUMBER: P232085

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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1812.1	1626.6	1448.1	1285.9	1148.6	1034.1	938.8	868.2	814.3	779.7	766.8
115°	1687.2	1507.4	1336.5	1193.8	1074.6	971.7	885.9	821.5	770.8	743.5	733.9
117.5°	1558.8	1378.0	1226.4	1101.4	994.4	902.8	832.5	773.8	729.9	705.4	696.9
120°	1418.8	1264.1	1124.8	1007.4	916.0	838.6	774.5	719.9	687.6	667.6	658.4
122.5°	1279.8	1146.2	1032.0	933.2	843.8	771.4	714.2	670.8	642.2	624.3	615.0
125°	1144.4	1035.9	943.5	856.3	782.0	716.1	657.9	619.9	595.6	577.5	566.6
127.5°	1019.5	936.1	855.3	782.3	718.2	661.1	619.0	583.7	554.1	525.2	512.6
130°	909.4	837.5	767.7	709.4	655.8	614.1	578.4	547.9	521.1	496.1	474.2
132.5°	800.5	739.7	688.6	640.1	601.9	567.8	538.7	512.8	488.2	467.2	447.5
135°	700.7	654.9	616.7	580.8	551.1	523.8	500.0	476.8	456.9	437.7	420.5
137.5°	614.5	582.5	552.0	527.6	504.7	482.3	461.3	442.8	424.8	409.0	392.8
140°	541.5	518.5	496.9	477.8	459.4	441.5	424.6	408.6	394.3	379.3	363.7
142.5°	481.0	463.8	447.4	433.2	417.0	401.9	389.0	376.4	362.6	348.0	334.0
145°	426.1	412.6	400.5	387.9	376.3	366.1	355.1	342.2	328.8	316.2	303.5
147.5°	374.1	364.1	356.4	348.8	340.3	329.6	317.9	306.2	295.0	283.4	272.7
150°	330.1	325.2	320.2	312.2	303.6	293.5	283.1	271.2	260.1	250.3	240.3
152.5°	293.7	289.5	284.0	277.7	270.8	262.5	254.4	243.2	232.0	220.1	209.2
155°	261.8	258.4	254.0	248.5	242.5	235.8	228.0	219.2	210.1	200.7	191.9
157.5°	235.5	232.8	229.2	224.8	219.5	212.9	205.6	197.9	190.0	183.7	177.7
160°	215.7	211.9	207.0	201.8	196.1	190.0	184.3	178.8	173.3	167.7	161.8
162.5°	190.4	186.5	182.3	178.0	173.5	168.8	164.1	159.3	154.2	148.9	143.6
165°	163.3	160.2	156.8	153.3	149.6	145.7	141.6	137.4	133.0	128.8	124.6
167.5°	134.7	132.3	129.7	126.9	124.0	121.3	118.4	115.4	112.1	108.7	105.1
170°	106.8	105.4	103.7	101.9	100.0	97.8	95.4	92.5	89.5	86.3	83.0
172.5°	79.0	77.8	76.4	74.9	73.2	71.3	69.3	67.2	64.9	62.7	60.4
175°	49.6	48.9	48.1	47.2	46.2	45.1	43.9	42.6	41.2	39.8	38.2
177.5°	22.3	22.2	21.9	21.7	21.4	21.1	20.7	20.3	19.8	19.3	18.8
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	18.3	17.7	17.1	16.4	15.7	15.0	14.3	13.5	12.7	11.9	11.1
5°	36.6	34.9	33.1	31.8	30.4	29.0	27.6	26.1	24.5	22.9	21.2
7.5°	57.9	55.4	52.7	49.9	47.0	44.1	41.0	38.6	36.2	33.8	31.3
10°	79.5	75.9	72.3	68.4	64.6	60.6	56.6	52.4	48.1	44.7	41.4
12.5°	100.9	96.4	91.8	87.0	82.0	77.0	72.0	66.8	61.5	56.1	51.5
15°	120.2	115.6	111.5	105.1	99.3	93.3	87.2	81.0	74.7	68.3	61.7
17.5°	138.8	132.9	127.5	122.0	116.0	109.2	102.2	95.0	87.7	80.3	72.7
20°	155.8	149.6	143.4	137.3	130.9	124.5	116.7	108.7	100.6	92.2	83.7
22.5°	171.7	165.2	158.5	151.8	144.9	137.8	130.6	121.9	113.0	103.9	94.4
25°	184.8	178.7	172.3	165.2	160.8	156.1	150.9	145.2	137.6	129.6	120.7
27.5°	201.8	197.8	195.4	192.5	188.3	183.8	178.8	173.5	166.6	158.3	149.1
30°	232.6	225.4	220.4	217.8	214.7	210.3	205.7	200.6	195.6	186.4	177.6
32.5°	262.2	253.7	246.6	241.9	239.3	235.8	231.4	226.7	221.6	214.1	205.0
35°	292.0	281.2	273.0	266.2	262.7	260.2	256.3	252.3	247.3	241.4	232.1
37.5°	320.5	308.8	298.0	291.0	285.4	283.0	280.3	276.4	272.3	268.0	258.9
40°	349.0	334.7	323.6	313.9	308.5	305.0	303.2	300.0	296.5	292.9	285.3
42.5°	376.3	361.3	347.3	337.3	330.5	326.2	325.0	323.0	320.0	317.2	311.4
45°	403.4	386.5	371.5	359.7	350.9	347.6	346.1	345.3	343.0	341.0	337.2
47.5°	429.0	411.5	395.2	381.1	372.0	371.4	375.1	376.7	374.2	369.6	363.4
50°	454.3	437.9	434.9	435.6	436.1	433.6	428.6	422.6	413.4	402.0	390.6
52.5°	505.6	502.8	503.4	507.0	510.1	501.7	487.8	472.4	455.5	436.4	418.8
55°	562.2	563.0	567.3	574.3	584.7	573.4	551.8	525.8	500.2	473.1	448.4
57.5°	613.3	618.1	626.9	638.5	653.4	648.1	620.1	582.4	547.5	512.0	479.3
60°	658.8	668.5	682.6	699.4	719.0	725.4	692.4	642.4	597.4	552.6	511.4
62.5°	701.1	714.8	734.4	757.0	781.9	804.9	766.8	706.5	649.5	594.8	544.4
65°	739.4	756.9	782.7	811.8	842.4	876.2	841.0	773.1	703.3	638.2	578.3
67.5°	773.3	795.2	827.8	863.9	901.2	941.1	916.5	841.9	758.7	682.7	612.8
70°	804.4	831.6	870.6	911.4	947.6	980.4	957.9	875.3	781.6	697.7	621.1
72.5°	830.9	852.2	886.9	927.0	960.2	982.7	964.7	884.9	790.6	705.1	625.1
75°	852.7	867.8	900.4	943.0	975.8	988.9	970.6	892.7	798.6	711.9	628.6
77.5°	875.8	884.8	914.0	959.5	994.1	998.2	975.5	898.6	805.4	718.0	631.5
80°	900.0	903.2	928.1	976.6	1014.4	1009.9	979.3	902.9	811.2	723.5	633.9
82.5°	924.9	922.6	942.8	994.6	1036.2	1023.3	982.0	905.5	815.8	728.2	638.2
85°	950.2	942.9	958.4	1013.3	1058.9	1039.5	986.1	909.0	821.5	734.0	638.2
87.5°	975.9	963.7	974.4	1032.5	1082.3	1052.6	984.7	907.0	822.5	735.6	638.2
90°	1001.0	985.3	993.1	1053.9	1104.9	1065.7	983.3	904.9	823.5	737.3	638.2
92.5°	975.9	963.7	974.4	1032.5	1082.3	1052.6	984.7	907.0	822.5	735.6	638.2
95°	950.2	942.9	958.4	1013.3	1058.9	1039.5	986.1	909.0	821.5	734.0	638.2
97.5°	924.9	922.6	942.8	994.6	1036.2	1023.3	982.0	905.5	815.8	728.2	638.2
100°	900.0	903.2	928.1	976.6	1014.4	1009.9	979.3	902.9	811.2	723.5	633.9
102.5°	875.8	884.8	914.0	959.5	994.1	998.2	975.5	898.6	805.4	718.0	631.5
105°	852.7	867.8	900.4	943.0	975.8	988.9	970.6	892.7	798.6	711.9	628.6
107.5°	830.9	852.2	886.9	927.0	960.2	982.7	964.7	884.9	790.6	705.1	625.1
110°	804.4	831.6	870.6	911.4	947.6	980.4	957.9	875.3	781.6	697.7	621.1



TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	773.3	795.2	827.8	863.9	901.2	941.1	916.5	841.9	758.7	682.7	612.8
115°	739.4	756.9	782.7	811.8	842.4	876.2	841.0	773.1	703.3	638.2	578.3
117.5°	701.1	714.8	734.4	757.0	781.9	804.9	766.8	706.5	649.5	594.8	544.4
120°	658.8	668.5	682.6	699.4	719.0	725.4	692.4	642.4	597.4	552.6	511.4
122.5°	613.3	618.1	626.9	638.5	653.4	648.1	620.1	582.4	547.5	512.0	479.3
125°	562.2	563.0	567.3	574.3	584.7	573.4	551.8	525.8	500.2	473.1	448.4
127.5°	505.6	502.8	503.4	507.0	510.1	501.7	487.8	472.4	455.5	436.4	418.8
130°	454.3	437.9	434.9	435.6	436.1	433.6	428.6	422.6	413.4	402.0	390.6
132.5°	429.0	411.5	395.2	381.1	372.0	371.4	375.1	376.7	374.2	369.6	363.4
135°	403.4	386.5	371.5	359.7	350.9	347.6	346.1	345.3	343.0	341.0	337.2
137.5°	376.3	361.3	347.3	337.3	330.5	326.2	325.0	323.0	320.0	317.2	311.4
140°	349.0	334.7	323.6	313.9	308.5	305.0	303.2	300.0	296.5	292.9	285.3
142.5°	320.5	308.8	298.0	291.0	285.4	283.0	280.3	276.4	272.3	268.0	258.9
145°	292.0	281.2	273.0	266.2	262.7	260.2	256.3	252.3	247.3	241.4	232.1
147.5°	262.2	253.7	246.6	241.9	239.3	235.8	231.4	226.7	221.6	214.1	205.0
150°	232.6	225.4	220.4	217.8	214.7	210.3	205.7	200.6	195.6	186.4	177.6
152.5°	201.8	197.8	195.4	192.5	188.3	183.8	178.8	173.5	166.6	158.3	149.1
155°	184.8	178.7	172.3	165.2	160.8	156.1	150.9	145.2	137.6	129.6	120.7
157.5°	171.7	165.2	158.5	151.8	144.9	137.8	130.6	121.9	113.0	103.9	94.4
160°	155.8	149.6	143.4	137.3	130.9	124.5	116.7	108.7	100.6	92.2	83.7
162.5°	138.8	132.9	127.5	122.0	116.0	109.2	102.2	95.0	87.7	80.3	72.7
165°	120.2	115.6	111.5	105.1	99.3	93.3	87.2	81.0	74.7	68.3	61.7
167.5°	100.9	96.4	91.8	87.0	82.0	77.0	72.0	66.8	61.5	56.1	51.5
170°	79.5	75.9	72.3	68.4	64.6	60.6	56.6	52.4	48.1	44.7	41.4
172.5°	57.9	55.4	52.7	49.9	47.0	44.1	41.0	38.6	36.2	33.8	31.3
175°	36.6	34.9	33.1	31.8	30.4	29.0	27.6	26.1	24.5	22.9	21.2
177.5°	18.3	17.7	17.1	16.4	15.7	15.0	14.3	13.5	12.7	11.9	11.1
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	10.3	9.4	8.5	7.6	7.6	7.5	7.4	7.4	7.2	7.1	7.0
5°	19.5	17.8	16.1	14.3	14.2	14.0	13.9	13.7	13.4	13.2	12.9
7.5°	28.8	26.2	23.6	20.9	20.7	20.5	20.2	19.9	19.6	19.2	18.8
10°	38.1	34.6	31.1	27.6	27.3	27.0	26.6	26.2	25.7	25.3	24.9
12.5°	47.3	43.0	38.6	34.2	33.9	33.4	32.9	32.4	31.9	31.4	30.9
15°	56.5	51.4	46.2	40.9	40.4	39.9	39.3	38.6	38.1	37.6	37.0
17.5°	65.7	59.7	53.7	47.5	46.9	46.3	45.5	44.9	44.3	43.7	43.0
20°	75.0	68.0	61.2	54.2	53.5	52.7	51.9	51.2	50.5	49.8	49.2
22.5°	84.8	76.3	68.6	60.8	60.0	59.1	58.2	57.5	56.7	56.0	55.4
25°	111.1	101.9	93.7	85.0	83.3	81.2	78.9	76.5	73.9	71.5	68.8
27.5°	138.7	128.1	118.8	109.2	106.5	103.5	100.3	96.8	93.3	89.8	86.0
30°	166.1	154.3	144.1	133.3	129.7	125.6	121.2	116.5	111.9	107.2	102.3
32.5°	193.5	180.8	169.3	157.5	152.7	147.5	141.7	135.8	129.8	123.8	117.8
35°	220.8	207.2	194.5	181.7	175.7	169.1	161.9	154.5	147.1	139.8	132.5
37.5°	248.0	233.6	219.7	205.9	198.5	190.4	181.6	172.7	164.0	155.1	146.2
40°	275.1	259.9	245.0	230.0	221.2	211.5	201.0	190.4	179.9	169.8	159.1
42.5°	301.9	286.2	270.2	254.2	243.9	232.4	220.5	207.7	195.7	184.4	171.3
45°	327.9	312.4	295.5	278.4	266.4	253.1	238.9	224.5	211.0	197.3	182.7
47.5°	349.7	330.8	310.3	290.8	276.5	261.0	245.2	230.1	216.7	203.1	188.6
50°	372.1	349.2	325.0	303.2	286.2	268.0	250.0	233.4	218.7	204.4	189.3
52.5°	395.5	368.1	339.9	315.7	295.9	274.8	254.7	236.6	220.6	206.1	190.7
55°	419.6	387.3	354.8	328.1	305.4	281.4	259.2	239.7	222.7	208.0	192.9
57.5°	444.6	406.8	369.7	340.5	314.9	287.8	263.6	242.8	225.0	210.2	195.7
60°	470.1	426.5	384.8	352.9	324.3	294.1	267.9	245.8	227.6	213.0	199.8
62.5°	496.3	446.5	399.8	365.4	333.6	300.2	272.1	248.7	230.4	216.2	203.5
65°	522.9	466.6	414.8	377.8	342.8	306.3	276.3	251.7	233.4	219.9	208.3
67.5°	549.9	486.8	429.9	390.2	352.1	312.2	280.5	254.6	236.6	224.1	213.6
70°	555.2	490.7	432.9	389.4	349.2	308.7	277.3	252.1	235.2	223.8	214.6
72.5°	558.5	493.8	435.8	388.7	346.3	305.0	273.7	249.1	232.8	221.7	213.0
75°	561.4	496.5	440.5	387.9	343.4	301.4	270.3	246.3	230.6	219.7	211.6
77.5°	563.8	499.0	442.9	387.1	340.6	298.0	267.1	243.8	228.5	217.9	210.4
80°	565.7	503.0	445.3	386.4	337.8	294.7	264.1	241.5	226.6	216.3	209.4
82.5°	569.0	504.2	447.7	385.6	335.1	291.6	261.3	239.4	224.9	214.7	208.6
85°	569.2	505.4	450.1	384.8	332.5	288.7	258.6	237.5	223.3	213.3	208.0
87.5°	569.4	506.6	452.5	384.1	329.9	285.9	256.2	235.8	221.9	212.0	207.4
90°	569.6	507.8	454.9	383.3	327.5	283.3	253.9	234.3	220.6	210.8	206.9
92.5°	569.4	506.6	452.5	384.1	329.9	285.9	256.2	235.8	221.9	212.0	207.4
95°	569.2	505.4	450.1	384.8	332.5	288.7	258.6	237.5	223.3	213.3	208.0
97.5°	569.0	504.2	447.7	385.6	335.1	291.6	261.3	239.4	224.9	214.7	208.6
100°	565.7	503.0	445.3	386.4	337.8	294.7	264.1	241.5	226.6	216.3	209.4
102.5°	563.8	499.0	442.9	387.1	340.6	298.0	267.1	243.8	228.5	217.9	210.4
105°	561.4	496.5	440.5	387.9	343.4	301.4	270.3	246.3	230.6	219.7	211.6
107.5°	558.5	493.8	435.8	388.7	346.3	305.0	273.7	249.1	232.8	221.7	213.0
110°	555.2	490.7	432.9	389.4	349.2	308.7	277.3	252.1	235.2	223.8	214.6



TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-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°	549.9	486.8	429.9	390.2	352.1	312.2	280.5	254.6	236.6	224.1	213.6
115°	522.9	466.6	414.8	377.8	342.8	306.3	276.3	251.7	233.4	219.9	208.3
117.5°	496.3	446.5	399.8	365.4	333.6	300.2	272.1	248.7	230.4	216.2	203.5
120°	470.1	426.5	384.8	352.9	324.3	294.1	267.9	245.8	227.6	213.0	199.8
122.5°	444.6	406.8	369.7	340.5	314.9	287.8	263.6	242.8	225.0	210.2	195.7
125°	419.6	387.3	354.8	328.1	305.4	281.4	259.2	239.7	222.7	208.0	192.9
127.5°	395.5	368.1	339.9	315.7	295.9	274.8	254.7	236.6	220.6	206.1	190.7
130°	372.1	349.2	325.0	303.2	286.2	268.0	250.0	233.4	218.7	204.4	189.3
132.5°	349.7	330.8	310.3	290.8	276.5	261.0	245.2	230.1	216.7	203.1	188.6
135°	327.9	312.4	295.5	278.4	266.4	253.1	238.9	224.5	211.0	197.3	182.7
137.5°	301.9	286.2	270.2	254.2	243.9	232.4	220.5	207.7	195.7	184.4	171.3
140°	275.1	259.9	245.0	230.0	221.2	211.5	201.0	190.4	179.9	169.8	159.1
142.5°	248.0	233.6	219.7	205.9	198.5	190.4	181.6	172.7	164.0	155.1	146.2
145°	220.8	207.2	194.5	181.7	175.7	169.1	161.9	154.5	147.1	139.8	132.5
147.5°	193.5	180.8	169.3	157.5	152.7	147.5	141.7	135.8	129.8	123.8	117.8
150°	166.1	154.3	144.1	133.3	129.7	125.6	121.2	116.5	111.9	107.2	102.3
152.5°	138.7	128.1	118.8	109.2	106.5	103.5	100.3	96.8	93.3	89.8	86.0
155°	111.1	101.9	93.7	85.0	83.3	81.2	78.9	76.5	73.9	71.5	68.8
157.5°	84.8	76.3	68.6	60.8	60.0	59.1	58.2	57.5	56.7	56.0	55.4
160°	75.0	68.0	61.2	54.2	53.5	52.7	51.9	51.2	50.5	49.8	49.2
162.5°	65.7	59.7	53.7	47.5	46.9	46.3	45.5	44.9	44.3	43.7	43.0
165°	56.5	51.4	46.2	40.9	40.4	39.9	39.3	38.6	38.1	37.6	37.0
167.5°	47.3	43.0	38.6	34.2	33.9	33.4	32.9	32.4	31.9	31.4	30.9
170°	38.1	34.6	31.1	27.6	27.3	27.0	26.6	26.2	25.7	25.3	24.9
172.5°	28.8	26.2	23.6	20.9	20.7	20.5	20.2	19.9	19.6	19.2	18.8
175°	19.5	17.8	16.1	14.3	14.2	14.0	13.9	13.7	13.4	13.2	12.9
177.5°	10.3	9.4	8.5	7.6	7.6	7.5	7.4	7.4	7.2	7.1	7.0
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.9
5°	12.7	12.4	12.0	11.7	11.3	11.0	10.7	10.3	10.0	9.6	9.2
7.5°	18.4	18.1	17.7	17.3	16.9	16.4	15.9	15.4	14.8	14.2	13.7
10°	24.4	24.0	23.5	22.9	22.3	21.7	21.1	20.5	19.8	19.0	18.3
12.5°	30.4	29.8	29.2	28.6	27.9	27.2	26.4	25.6	24.7	23.7	22.7
15°	36.3	35.7	35.1	34.3	33.6	32.6	31.6	30.5	29.4	28.3	27.0
17.5°	42.4	41.7	41.0	40.0	39.0	37.8	36.6	35.4	34.1	32.7	31.3
20°	48.5	47.7	46.7	45.5	44.3	43.0	41.6	40.2	38.7	37.3	35.9
22.5°	54.6	53.5	52.3	51.0	49.5	48.1	46.6	45.2	43.7	42.2	40.4
25°	65.9	62.7	59.5	56.3	54.8	53.3	51.9	50.4	48.6	46.6	44.6
27.5°	82.1	78.0	73.8	69.6	65.8	62.1	58.6	55.2	53.1	51.2	49.3
30°	97.3	92.1	86.8	81.7	76.8	72.0	67.4	63.3	59.9	56.8	53.6
32.5°	111.5	105.0	98.5	92.0	85.8	79.9	74.7	70.2	66.1	61.8	57.8
35°	124.6	116.8	108.5	100.6	93.2	86.4	80.7	75.3	70.1	65.6	62.0
37.5°	136.9	126.9	117.0	107.8	99.1	91.9	85.1	78.9	73.6	69.4	65.4
40°	148.0	135.8	124.3	113.5	104.3	95.9	88.4	82.0	77.1	72.5	68.2
42.5°	157.6	143.4	130.5	118.7	108.2	99.1	91.1	85.4	80.1	75.2	70.7
45°	166.3	150.3	135.5	122.9	111.5	101.4	94.5	88.4	82.9	77.9	73.1
47.5°	171.9	155.9	140.3	126.0	114.1	104.6	97.4	91.2	85.6	80.3	75.9
50°	173.0	157.5	143.0	129.5	117.0	107.9	100.4	93.9	88.2	83.2	78.6
52.5°	175.2	160.2	146.3	134.0	123.6	115.1	107.2	99.1	91.0	86.2	81.4
55°	178.2	164.1	150.8	139.3	131.1	123.8	116.5	108.9	100.8	92.5	84.7
57.5°	181.9	168.6	156.5	146.5	139.4	133.4	126.8	119.0	110.1	100.3	91.4
60°	186.3	173.7	163.0	154.9	149.1	144.0	137.8	129.0	118.0	107.0	97.0
62.5°	191.4	179.5	170.1	164.0	159.6	155.1	148.5	138.5	125.0	112.6	101.6
65°	197.1	186.3	178.0	173.7	170.9	166.9	158.9	146.1	131.1	117.4	105.4
67.5°	203.3	193.8	187.3	184.2	182.8	179.3	169.2	153.1	136.6	121.8	108.5
70°	205.9	198.6	194.8	194.7	194.8	191.0	179.1	159.6	141.5	125.6	111.0
72.5°	204.8	198.4	195.0	194.8	195.8	193.1	182.2	164.2	146.2	129.1	113.3
75°	204.1	198.4	195.0	194.7	195.4	192.2	181.3	165.0	147.8	131.0	115.2
77.5°	203.6	198.5	194.9	194.5	195.2	192.1	181.7	166.8	150.0	133.1	117.2
80°	203.3	198.8	194.8	194.1	194.9	192.6	183.4	169.6	152.7	135.8	119.9
82.5°	203.3	199.2	194.5	193.7	194.7	193.6	185.9	173.3	156.0	139.1	123.2
85°	203.4	199.7	194.3	193.2	194.5	194.9	189.2	177.7	159.9	143.0	127.3
87.5°	203.6	200.3	194.2	192.7	194.3	196.4	193.0	182.7	164.4	147.6	131.9
90°	203.9	201.0	194.1	192.2	194.1	198.0	197.1	188.2	169.6	152.9	137.3
92.5°	203.6	200.3	194.2	192.7	194.3	196.4	193.0	182.7	164.4	147.6	131.9
95°	203.4	199.7	194.3	193.2	194.5	194.9	189.2	177.7	159.9	143.0	127.3
97.5°	203.3	199.2	194.5	193.7	194.7	193.6	185.9	173.3	156.0	139.1	123.2
100°	203.3	198.8	194.8	194.1	194.9	192.6	183.4	169.6	152.7	135.8	119.9
102.5°	203.6	198.5	194.9	194.5	195.2	192.1	181.7	166.8	150.0	133.1	117.2
105°	204.1	198.4	195.0	194.7	195.4	192.2	181.3	165.0	147.8	131.0	115.2
107.5°	204.8	198.4	195.0	194.8	195.8	193.1	182.2	164.2	146.2	129.1	113.3
110°	205.9	198.6	194.8	194.7	194.8	191.0	179.1	159.6	141.5	125.6	111.0



TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	203.3	193.8	187.3	184.2	182.8	179.3	169.2	153.1	136.6	121.8	108.5
115°	197.1	186.3	178.0	173.7	170.9	166.9	158.9	146.1	131.1	117.4	105.4
117.5°	191.4	179.5	170.1	164.0	159.6	155.1	148.5	138.5	125.0	112.6	101.6
120°	186.3	173.7	163.0	154.9	149.1	144.0	137.8	129.0	118.0	107.0	97.0
122.5°	181.9	168.6	156.5	146.5	139.4	133.4	126.8	119.0	110.1	100.3	91.4
125°	178.2	164.1	150.8	139.3	131.1	123.8	116.5	108.9	100.8	92.5	84.7
127.5°	175.2	160.2	146.3	134.0	123.6	115.1	107.2	99.1	91.0	86.2	81.4
130°	173.0	157.5	143.0	129.5	117.0	107.9	100.4	93.9	88.2	83.2	78.6
132.5°	171.9	155.9	140.3	126.0	114.1	104.6	97.4	91.2	85.6	80.3	75.9
135°	166.3	150.3	135.5	122.9	111.5	101.4	94.5	88.4	82.9	77.9	73.1
137.5°	157.6	143.4	130.5	118.7	108.2	99.1	91.1	85.4	80.1	75.2	70.7
140°	148.0	135.8	124.3	113.5	104.3	95.9	88.4	82.0	77.1	72.5	68.2
142.5°	136.9	126.9	117.0	107.8	99.1	91.9	85.1	78.9	73.6	69.4	65.4
145°	124.6	116.8	108.5	100.6	93.2	86.4	80.7	75.3	70.1	65.6	62.0
147.5°	111.5	105.0	98.5	92.0	85.8	79.9	74.7	70.2	66.1	61.8	57.8
150°	97.3	92.1	86.8	81.7	76.8	72.0	67.4	63.3	59.9	56.8	53.6
152.5°	82.1	78.0	73.8	69.6	65.8	62.1	58.6	55.2	53.1	51.2	49.3
155°	65.9	62.7	59.5	56.3	54.8	53.3	51.9	50.4	48.6	46.6	44.6
157.5°	54.6	53.5	52.3	51.0	49.5	48.1	46.6	45.2	43.7	42.2	40.4
160°	48.5	47.7	46.7	45.5	44.3	43.0	41.6	40.2	38.7	37.3	35.9
162.5°	42.4	41.7	41.0	40.0	39.0	37.8	36.6	35.4	34.1	32.7	31.3
165°	36.3	35.7	35.1	34.3	33.6	32.6	31.6	30.5	29.4	28.3	27.0
167.5°	30.4	29.8	29.2	28.6	27.9	27.2	26.4	25.6	24.7	23.7	22.7
170°	24.4	24.0	23.5	22.9	22.3	21.7	21.1	20.5	19.8	19.0	18.3
172.5°	18.4	18.1	17.7	17.3	16.9	16.4	15.9	15.4	14.8	14.2	13.7
175°	12.7	12.4	12.0	11.7	11.3	11.0	10.7	10.3	10.0	9.6	9.2
177.5°	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.9
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	4.7	4.5	4.2	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
5°	8.8	8.3	7.9	7.4	7.0	6.5	6.0	5.5	4.9	4.4	3.9
7.5°	13.1	12.4	11.8	11.1	10.4	9.7	8.9	8.2	7.4	6.6	5.8
10°	17.5	16.6	15.7	14.8	13.8	12.9	11.9	10.8	9.8	8.8	7.7
12.5°	21.7	20.6	19.5	18.3	17.1	15.9	14.7	13.4	12.1	10.8	9.5
15°	25.8	24.5	23.1	21.7	20.4	19.0	17.5	16.1	14.5	13.0	11.4
17.5°	29.9	28.5	27.0	25.5	23.9	22.3	20.5	18.7	17.0	15.1	13.3
20°	34.3	32.7	30.9	29.0	27.1	25.2	23.3	21.3	19.3	17.3	15.2
22.5°	38.5	36.5	34.5	32.6	30.6	28.6	26.4	24.1	21.8	19.4	17.0
25°	42.7	40.7	38.7	36.4	33.9	31.3	28.8	26.2	23.7	21.2	18.6
27.5°	47.3	44.7	42.0	39.2	36.6	34.1	31.4	28.7	25.9	23.1	20.2
30°	50.8	47.9	45.3	42.6	39.8	36.8	33.8	30.7	27.7	24.6	21.5
32.5°	54.6	51.7	48.8	45.6	42.4	39.1	35.9	32.6	29.3	26.1	22.8
35°	58.6	55.1	51.6	48.2	44.8	41.3	37.9	34.4	31.0	27.5	23.9
37.5°	61.5	57.7	54.1	50.5	47.1	43.5	39.8	35.9	32.0	28.3	24.7
40°	64.0	60.1	56.3	52.7	49.0	45.0	40.8	37.0	33.2	29.5	25.7
42.5°	66.4	62.5	58.6	54.5	50.2	46.3	42.5	38.5	34.2	30.1	26.1
45°	69.0	64.8	60.4	56.1	52.1	48.0	43.5	39.1	35.0	31.1	27.3
47.5°	71.5	66.9	62.5	58.2	53.7	49.0	44.6	40.3	36.2	32.1	28.1
50°	73.9	69.3	64.7	60.0	55.1	50.4	45.9	41.5	37.3	33.0	28.9
52.5°	76.5	71.7	66.8	61.7	56.6	51.9	47.2	42.7	38.3	34.2	30.2
55°	79.1	74.1	68.8	63.3	58.2	53.4	48.6	44.1	39.9	35.7	31.2
57.5°	83.6	76.6	70.5	65.1	59.9	54.9	50.3	46.0	41.2	36.5	31.4
60°	88.3	80.0	72.9	67.0	61.7	56.9	52.2	47.1	41.8	36.2	31.2
62.5°	91.7	82.5	74.9	68.7	63.6	59.0	53.6	47.6	41.5	36.3	31.3
65°	94.2	84.4	76.4	69.8	64.6	59.5	54.2	47.5	41.8	36.0	30.5
67.5°	96.2	85.7	77.4	70.7	64.5	58.4	52.4	47.6	41.5	35.2	29.4
70°	97.8	87.0	78.3	70.8	63.7	56.5	50.5	45.2	40.0	34.2	28.1
72.5°	99.0	88.1	78.9	70.4	62.3	54.8	48.6	42.8	37.3	32.0	26.8
75°	100.6	89.2	79.3	69.8	60.7	53.3	46.8	40.7	34.8	29.2	24.6
77.5°	103.0	90.8	79.7	69.1	59.5	51.9	45.3	38.8	32.6	26.8	22.2
80°	105.5	92.5	80.3	68.9	58.9	50.6	43.7	37.3	30.7	24.6	19.8
82.5°	108.2	94.4	81.1	69.0	58.3	49.3	41.5	34.8	28.5	22.7	17.3
85°	111.4	96.6	82.2	69.5	57.9	48.1	39.6	32.7	26.4	21.2	16.2
87.5°	115.2	99.4	83.9	70.6	58.0	47.3	38.1	31.2	25.1	20.5	16.4
90°	119.6	102.9	86.3	72.5	58.8	47.1	37.3	30.4	24.5	20.6	17.6
92.5°	115.2	99.4	83.9	70.6	58.0	47.3	38.1	31.2	25.1	20.5	16.4
95°	111.4	96.6	82.2	69.5	57.9	48.1	39.6	32.7	26.4	21.2	16.2
97.5°	108.2	94.4	81.1	69.0	58.3	49.3	41.5	34.8	28.5	22.7	17.3
100°	105.5	92.5	80.3	68.9	58.9	50.6	43.7	37.3	30.7	24.6	19.8
102.5°	103.0	90.8	79.7	69.1	59.5	51.9	45.3	38.8	32.6	26.8	22.2
105°	100.6	89.2	79.3	69.8	60.7	53.3	46.8	40.7	34.8	29.2	24.6
107.5°	99.0	88.1	78.9	70.4	62.3	54.8	48.6	42.8	37.3	32.0	26.8
110°	97.8	87.0	78.3	70.8	63.7	56.5	50.5	45.2	40.0	34.2	28.1





TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-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°	96.2	85.7	77.4	70.7	64.5	58.4	52.4	47.6	41.5	35.2	29.4
115°	94.2	84.4	76.4	69.8	64.6	59.5	54.2	47.5	41.8	36.0	30.5
117.5°	91.7	82.5	74.9	68.7	63.6	59.0	53.6	47.6	41.5	36.3	31.3
120°	88.3	80.0	72.9	67.0	61.7	56.9	52.2	47.1	41.8	36.2	31.2
122.5°	83.6	76.6	70.5	65.1	59.9	54.9	50.3	46.0	41.2	36.5	31.4
125°	79.1	74.1	68.8	63.3	58.2	53.4	48.6	44.1	39.9	35.7	31.2
127.5°	76.5	71.7	66.8	61.7	56.6	51.9	47.2	42.7	38.3	34.2	30.2
130°	73.9	69.3	64.7	60.0	55.1	50.4	45.9	41.5	37.3	33.0	28.9
132.5°	71.5	66.9	62.5	58.2	53.7	49.0	44.6	40.3	36.2	32.1	28.1
135°	69.0	64.8	60.4	56.1	52.1	48.0	43.5	39.1	35.0	31.1	27.3
137.5°	66.4	62.5	58.6	54.5	50.2	46.3	42.5	38.5	34.2	30.1	26.1
140°	64.0	60.1	56.3	52.7	49.0	45.0	40.8	37.0	33.2	29.5	25.7
142.5°	61.5	57.7	54.1	50.5	47.1	43.5	39.8	35.9	32.0	28.3	24.7
145°	58.6	55.1	51.6	48.2	44.8	41.3	37.9	34.4	31.0	27.5	23.9
147.5°	54.6	51.7	48.8	45.6	42.4	39.1	35.9	32.6	29.3	26.1	22.8
150°	50.8	47.9	45.3	42.6	39.8	36.8	33.8	30.7	27.7	24.6	21.5
152.5°	47.3	44.7	42.0	39.2	36.6	34.1	31.4	28.7	25.9	23.1	20.2
155°	42.7	40.7	38.7	36.4	33.9	31.3	28.8	26.2	23.7	21.2	18.6
157.5°	38.5	36.5	34.5	32.6	30.6	28.6	26.4	24.1	21.8	19.4	17.0
160°	34.3	32.7	30.9	29.0	27.1	25.2	23.3	21.3	19.3	17.3	15.2
162.5°	29.9	28.5	27.0	25.5	23.9	22.3	20.5	18.7	17.0	15.1	13.3
165°	25.8	24.5	23.1	21.7	20.4	19.0	17.5	16.1	14.5	13.0	11.4
167.5°	21.7	20.6	19.5	18.3	17.1	15.9	14.7	13.4	12.1	10.8	9.5
170°	17.5	16.6	15.7	14.8	13.8	12.9	11.9	10.8	9.8	8.8	7.7
172.5°	13.1	12.4	11.8	11.1	10.4	9.7	8.9	8.2	7.4	6.6	5.8
175°	8.8	8.3	7.9	7.4	7.0	6.5	6.0	5.5	4.9	4.4	3.9
177.5°	4.7	4.5	4.2	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.7	1.4	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
5°	3.3	2.8	2.2	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.2
7.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
10°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
12.5°	8.2	6.8	5.5	4.1	2.8	1.4	0.0	1.4	2.8	4.1	5.5
15°	9.9	8.2	6.6	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.6
17.5°	11.4	9.6	7.7	5.8	3.8	1.9	0.0	1.9	3.8	5.8	7.7
20°	13.1	11.0	8.8	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.8
22.5°	14.6	12.1	9.7	7.3	4.9	2.4	0.0	2.4	4.9	7.3	9.7
25°	16.0	13.4	10.7	8.1	5.4	2.7	0.0	2.7	5.4	8.1	10.7
27.5°	17.3	14.4	11.6	8.7	5.8	2.9	0.0	2.9	5.8	8.7	11.6
30°	18.5	15.4	12.3	9.2	6.2	3.1	0.0	3.1	6.2	9.2	12.3
32.5°	19.6	16.3	13.1	9.8	6.5	3.3	0.0	3.3	6.5	9.8	13.1
35°	20.4	16.9	13.5	10.1	6.7	3.4	0.0	3.4	6.7	10.1	13.5
37.5°	21.1	17.6	14.1	10.5	7.0	3.5	0.0	3.5	7.0	10.5	14.1
40°	21.9	18.1	14.4	10.7	7.1	3.6	0.0	3.6	7.1	10.7	14.4
42.5°	22.4	18.8	15.2	11.7	8.1	4.6	1.0	4.6	8.1	11.7	15.2
45°	23.5	19.7	15.9	12.1	8.4	4.7	1.0	4.7	8.4	12.1	15.9
47.5°	24.1	20.2	16.3	12.5	8.6	4.8	1.0	4.8	8.6	12.5	16.3
50°	24.9	21.0	17.0	13.0	9.0	5.0	1.0	5.0	9.0	13.0	17.0
52.5°	26.2	21.9	17.6	13.4	9.2	5.1	1.0	5.1	9.2	13.4	17.6
55°	26.7	22.1	17.7	13.3	9.2	5.1	1.0	5.1	9.2	13.3	17.7
57.5°	26.6	22.0	17.7	13.4	9.2	5.1	1.0	5.1	9.2	13.4	17.7
60°	26.7	22.2	17.6	13.2	9.0	5.0	1.0	5.0	9.0	13.2	17.6
62.5°	26.3	21.6	17.0	12.7	8.6	4.8	1.0	4.8	8.6	12.7	17.0
65°	25.3	20.6	16.2	12.0	8.2	4.5	1.0	4.5	8.2	12.0	16.2
67.5°	24.1	19.4	15.4	11.7	8.3	5.1	2.0	5.1	8.3	11.7	15.4
70°	22.7	18.4	14.8	11.5	8.1	5.0	2.0	5.0	8.1	11.5	14.8
72.5°	21.7	17.6	14.1	11.0	7.7	4.8	2.0	4.8	7.7	11.0	14.1
75°	20.9	16.7	13.1	9.8	6.7	4.1	2.0	4.1	6.7	9.8	13.1
77.5°	18.6	15.7	12.1	7.3	2.5	0.4	0.0	0.4	2.5	7.3	12.1
80°	15.6	13.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1
82.5°	12.7	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	11.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	11.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	12.7	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	15.6	13.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1
102.5°	18.6	15.7	12.1	7.3	2.5	0.4	0.0	0.4	2.5	7.3	12.1
105°	20.9	16.7	13.1	9.8	6.7	4.1	2.0	4.1	6.7	9.8	13.1
107.5°	21.7	17.6	14.1	11.0	7.7	4.8	2.0	4.8	7.7	11.0	14.1
110°	22.7	18.4	14.8	11.5	8.1	5.0	2.0	5.0	8.1	11.5	14.8



TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	24.1	19.4	15.4	11.7	8.3	5.1	2.0	5.1	8.3	11.7	15.4
115°	25.3	20.6	16.2	12.0	8.2	4.5	1.0	4.5	8.2	12.0	16.2
117.5°	26.3	21.6	17.0	12.7	8.6	4.8	1.0	4.8	8.6	12.7	17.0
120°	26.7	22.2	17.6	13.2	9.0	5.0	1.0	5.0	9.0	13.2	17.6
122.5°	26.6	22.0	17.7	13.4	9.2	5.1	1.0	5.1	9.2	13.4	17.7
125°	26.7	22.1	17.7	13.3	9.2	5.1	1.0	5.1	9.2	13.3	17.7
127.5°	26.2	21.9	17.6	13.4	9.2	5.1	1.0	5.1	9.2	13.4	17.6
130°	24.9	21.0	17.0	13.0	9.0	5.0	1.0	5.0	9.0	13.0	17.0
132.5°	24.1	20.2	16.3	12.5	8.6	4.8	1.0	4.8	8.6	12.5	16.3
135°	23.5	19.7	15.9	12.1	8.4	4.7	1.0	4.7	8.4	12.1	15.9
137.5°	22.4	18.8	15.2	11.7	8.1	4.6	1.0	4.6	8.1	11.7	15.2
140°	21.9	18.1	14.4	10.7	7.1	3.6	0.0	3.6	7.1	10.7	14.4
142.5°	21.1	17.6	14.1	10.5	7.0	3.5	0.0	3.5	7.0	10.5	14.1
145°	20.4	16.9	13.5	10.1	6.7	3.4	0.0	3.4	6.7	10.1	13.5
147.5°	19.6	16.3	13.1	9.8	6.5	3.3	0.0	3.3	6.5	9.8	13.1
150°	18.5	15.4	12.3	9.2	6.2	3.1	0.0	3.1	6.2	9.2	12.3
152.5°	17.3	14.4	11.6	8.7	5.8	2.9	0.0	2.9	5.8	8.7	11.6
155°	16.0	13.4	10.7	8.1	5.4	2.7	0.0	2.7	5.4	8.1	10.7
157.5°	14.6	12.1	9.7	7.3	4.9	2.4	0.0	2.4	4.9	7.3	9.7
160°	13.1	11.0	8.8	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.8
162.5°	11.4	9.6	7.7	5.8	3.8	1.9	0.0	1.9	3.8	5.8	7.7
165°	9.9	8.2	6.6	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.6
167.5°	8.2	6.8	5.5	4.1	2.8	1.4	0.0	1.4	2.8	4.1	5.5
170°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
172.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
175°	3.3	2.8	2.2	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.2
177.5°	1.7	1.4	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.4	1.7	2.0	2.3	2.6	2.9	3.1	3.4	3.7	3.9	4.2
5°	2.8	3.3	3.9	4.4	4.9	5.5	6.0	6.5	7.0	7.4	7.9
7.5°	4.2	5.0	5.8	6.6	7.4	8.2	8.9	9.7	10.4	11.1	11.8
10°	5.5	6.6	7.7	8.8	9.8	10.8	11.9	12.9	13.8	14.8	15.7
12.5°	6.8	8.2	9.5	10.8	12.1	13.4	14.7	15.9	17.1	18.3	19.5
15°	8.2	9.9	11.4	13.0	14.5	16.1	17.5	19.0	20.4	21.7	23.1
17.5°	9.6	11.4	13.3	15.1	17.0	18.7	20.5	22.3	23.9	25.5	27.0
20°	11.0	13.1	15.2	17.3	19.3	21.3	23.3	25.2	27.1	29.0	30.9
22.5°	12.1	14.6	17.0	19.4	21.8	24.1	26.4	28.6	30.6	32.6	34.5
25°	13.4	16.0	18.6	21.2	23.7	26.2	28.8	31.3	33.9	36.4	38.7
27.5°	14.4	17.3	20.2	23.1	25.9	28.7	31.4	34.1	36.6	39.2	42.0
30°	15.4	18.5	21.5	24.6	27.7	30.7	33.8	36.8	39.8	42.6	45.3
32.5°	16.3	19.6	22.8	26.1	29.3	32.6	35.9	39.1	42.4	45.6	48.8
35°	16.9	20.4	23.9	27.5	31.0	34.4	37.9	41.3	44.8	48.2	51.6
37.5°	17.6	21.1	24.7	28.3	32.0	35.9	39.8	43.5	47.1	50.5	54.1
40°	18.1	21.9	25.7	29.5	33.2	37.0	40.8	45.0	49.0	52.7	56.3
42.5°	18.8	22.4	26.1	30.1	34.2	38.5	42.5	46.3	50.2	54.5	58.6
45°	19.7	23.5	27.3	31.1	35.0	39.1	43.5	48.0	52.1	56.1	60.4
47.5°	20.2	24.1	28.1	32.1	36.2	40.3	44.6	49.0	53.7	58.2	62.5
50°	21.0	24.9	28.9	33.0	37.3	41.5	45.9	50.4	55.1	60.0	64.7
52.5°	21.9	26.2	30.2	34.2	38.3	42.7	47.2	51.9	56.6	61.7	66.8
55°	22.1	26.7	31.2	35.7	39.9	44.1	48.6	53.4	58.2	63.3	68.8
57.5°	22.0	26.6	31.4	36.5	41.2	46.0	50.3	54.9	59.9	65.1	70.5
60°	22.2	26.7	31.2	36.2	41.8	47.1	52.2	56.9	61.7	67.0	72.9
62.5°	21.6	26.3	31.3	36.3	41.5	47.6	53.6	59.0	63.6	68.7	74.9
65°	20.6	25.3	30.5	36.0	41.8	47.5	54.2	59.5	64.6	69.8	76.4
67.5°	19.4	24.1	29.4	35.2	41.5	47.6	52.4	58.4	64.5	70.7	77.4
70°	18.4	22.7	28.1	34.2	40.0	45.2	50.5	56.5	63.7	70.8	78.3
72.5°	17.6	21.7	26.8	32.0	37.3	42.8	48.6	54.8	62.3	70.4	78.9
75°	16.7	20.9	24.6	29.2	34.8	40.7	46.8	53.3	60.7	69.8	79.3
77.5°	15.7	18.6	22.2	26.8	32.6	38.8	45.3	51.9	59.5	69.1	79.7
80°	13.0	15.6	19.8	24.6	30.7	37.3	43.7	50.6	58.9	68.9	80.3
82.5°	8.5	12.7	17.3	22.7	28.5	34.8	41.5	49.3	58.3	69.0	81.1
85°	3.4	11.0	16.2	21.2	26.4	32.7	39.6	48.1	57.9	69.5	82.2
87.5°	1.0	11.4	16.4	20.5	25.1	31.2	38.1	47.3	58.0	70.6	83.9
90°	0.0	12.7	17.6	20.6	24.5	30.4	37.3	47.1	58.8	72.5	86.3
92.5°	1.0	11.4	16.4	20.5	25.1	31.2	38.1	47.3	58.0	70.6	83.9
95°	3.4	11.0	16.2	21.2	26.4	32.7	39.6	48.1	57.9	69.5	82.2
97.5°	8.5	12.7	17.3	22.7	28.5	34.8	41.5	49.3	58.3	69.0	81.1
100°	13.0	15.6	19.8	24.6	30.7	37.3	43.7	50.6	58.9	68.9	80.3
102.5°	15.7	18.6	22.2	26.8	32.6	38.8	45.3	51.9	59.5	69.1	79.7
105°	16.7	20.9	24.6	29.2	34.8	40.7	46.8	53.3	60.7	69.8	79.3
107.5°	17.6	21.7	26.8	32.0	37.3	42.8	48.6	54.8	62.3	70.4	78.9
110°	18.4	22.7	28.1	34.2	40.0	45.2	50.5	56.5	63.7	70.8	78.3



TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-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°	19.4	24.1	29.4	35.2	41.5	47.6	52.4	58.4	64.5	70.7	77.4
115°	20.6	25.3	30.5	36.0	41.8	47.5	54.2	59.5	64.6	69.8	76.4
117.5°	21.6	26.3	31.3	36.3	41.5	47.6	53.6	59.0	63.6	68.7	74.9
120°	22.2	26.7	31.2	36.2	41.8	47.1	52.2	56.9	61.7	67.0	72.9
122.5°	22.0	26.6	31.4	36.5	41.2	46.0	50.3	54.9	59.9	65.1	70.5
125°	22.1	26.7	31.2	35.7	39.9	44.1	48.6	53.4	58.2	63.3	68.8
127.5°	21.9	26.2	30.2	34.2	38.3	42.7	47.2	51.9	56.6	61.7	66.8
130°	21.0	24.9	28.9	33.0	37.3	41.5	45.9	50.4	55.1	60.0	64.7
132.5°	20.2	24.1	28.1	32.1	36.2	40.3	44.6	49.0	53.7	58.2	62.5
135°	19.7	23.5	27.3	31.1	35.0	39.1	43.5	48.0	52.1	56.1	60.4
137.5°	18.8	22.4	26.1	30.1	34.2	38.5	42.5	46.3	50.2	54.5	58.6
140°	18.1	21.9	25.7	29.5	33.2	37.0	40.8	45.0	49.0	52.7	56.3
142.5°	17.6	21.1	24.7	28.3	32.0	35.9	39.8	43.5	47.1	50.5	54.1
145°	16.9	20.4	23.9	27.5	31.0	34.4	37.9	41.3	44.8	48.2	51.6
147.5°	16.3	19.6	22.8	26.1	29.3	32.6	35.9	39.1	42.4	45.6	48.8
150°	15.4	18.5	21.5	24.6	27.7	30.7	33.8	36.8	39.8	42.6	45.3
152.5°	14.4	17.3	20.2	23.1	25.9	28.7	31.4	34.1	36.6	39.2	42.0
155°	13.4	16.0	18.6	21.2	23.7	26.2	28.8	31.3	33.9	36.4	38.7
157.5°	12.1	14.6	17.0	19.4	21.8	24.1	26.4	28.6	30.6	32.6	34.5
160°	11.0	13.1	15.2	17.3	19.3	21.3	23.3	25.2	27.1	29.0	30.9
162.5°	9.6	11.4	13.3	15.1	17.0	18.7	20.5	22.3	23.9	25.5	27.0
165°	8.2	9.9	11.4	13.0	14.5	16.1	17.5	19.0	20.4	21.7	23.1
167.5°	6.8	8.2	9.5	10.8	12.1	13.4	14.7	15.9	17.1	18.3	19.5
170°	5.5	6.6	7.7	8.8	9.8	10.8	11.9	12.9	13.8	14.8	15.7
172.5°	4.2	5.0	5.8	6.6	7.4	8.2	8.9	9.7	10.4	11.1	11.8
175°	2.8	3.3	3.9	4.4	4.9	5.5	6.0	6.5	7.0	7.4	7.9
177.5°	1.4	1.7	2.0	2.3	2.6	2.9	3.1	3.4	3.7	3.9	4.2
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	4.5	4.7	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6
5°	8.3	8.8	9.2	9.6	10.0	10.3	10.7	11.0	11.3	11.7	12.0
7.5°	12.4	13.1	13.7	14.2	14.8	15.4	15.9	16.4	16.9	17.3	17.7
10°	16.6	17.5	18.3	19.0	19.8	20.5	21.1	21.7	22.3	22.9	23.5
12.5°	20.6	21.7	22.7	23.7	24.7	25.6	26.4	27.2	27.9	28.6	29.2
15°	24.5	25.8	27.0	28.3	29.4	30.5	31.6	32.6	33.6	34.3	35.1
17.5°	28.5	29.9	31.3	32.7	34.1	35.4	36.6	37.8	39.0	40.0	41.0
20°	32.7	34.3	35.9	37.3	38.7	40.2	41.6	43.0	44.3	45.5	46.7
22.5°	36.5	38.5	40.4	42.2	43.7	45.2	46.6	48.1	49.5	51.0	52.3
25°	40.7	42.7	44.6	46.6	48.6	50.4	51.9	53.3	54.8	56.3	59.5
27.5°	44.7	47.3	49.3	51.2	53.1	55.2	58.6	62.1	65.8	69.6	73.8
30°	47.9	50.8	53.6	56.8	59.9	63.3	67.4	72.0	76.8	81.7	86.8
32.5°	51.7	54.6	57.8	61.8	66.1	70.2	74.7	79.9	85.8	92.0	98.5
35°	55.1	58.6	62.0	65.6	70.1	75.3	80.7	86.4	93.2	100.6	108.5
37.5°	57.7	61.5	65.4	69.4	73.6	78.9	85.1	91.9	99.1	107.8	117.0
40°	60.1	64.0	68.2	72.5	77.1	82.0	88.4	95.9	104.3	113.5	124.3
42.5°	62.5	66.4	70.7	75.2	80.1	85.4	91.1	99.1	108.2	118.7	130.5
45°	64.8	69.0	73.1	77.9	82.9	88.4	94.5	101.4	111.5	122.9	135.5
47.5°	66.9	71.5	75.9	80.3	85.6	91.2	97.4	104.6	114.1	126.0	140.3
50°	69.3	73.9	78.6	83.2	88.2	93.9	100.4	107.9	117.0	129.5	143.0
52.5°	71.7	76.5	81.4	86.2	91.0	99.1	107.2	115.1	123.6	134.0	146.3
55°	74.1	79.1	84.7	92.5	100.8	108.9	116.5	123.8	131.1	139.3	150.8
57.5°	76.6	83.6	91.4	100.3	110.1	119.0	126.8	133.4	139.4	146.5	156.5
60°	80.0	88.3	97.0	107.0	118.0	129.0	137.8	144.0	149.1	154.9	163.0
62.5°	82.5	91.7	101.6	112.6	125.0	138.5	148.5	155.1	159.6	164.0	170.1
65°	84.4	94.2	105.4	117.4	131.1	146.1	158.9	166.9	170.9	173.7	178.0
67.5°	85.7	96.2	108.5	121.8	136.6	153.1	169.2	179.3	182.8	184.2	187.3
70°	87.0	97.8	111.0	125.6	141.5	159.6	179.1	191.0	194.8	194.7	194.8
72.5°	88.1	99.0	113.3	129.1	146.2	164.2	182.2	193.1	195.8	194.8	195.0
75°	89.2	100.6	115.2	131.0	147.8	165.0	181.3	192.2	195.4	194.7	195.0
77.5°	90.8	103.0	117.2	133.1	150.0	166.8	181.7	192.1	195.2	194.5	194.9
80°	92.5	105.5	119.9	135.8	152.7	169.6	183.4	192.6	194.9	194.1	194.8
82.5°	94.4	108.2	123.2	139.1	156.0	173.3	185.9	193.6	194.7	193.7	194.5
85°	96.6	111.4	127.3	143.0	159.9	177.7	189.2	194.9	194.5	193.2	194.3
87.5°	99.4	115.2	131.9	147.6	164.4	182.7	193.0	196.4	194.3	192.7	194.2
90°	102.9	119.6	137.3	152.9	169.6	188.2	197.1	198.0	194.1	192.2	194.1
92.5°	99.4	115.2	131.9	147.6	164.4	182.7	193.0	196.4	194.3	192.7	194.2
95°	96.6	111.4	127.3	143.0	159.9	177.7	189.2	194.9	194.5	193.2	194.3
97.5°	94.4	108.2	123.2	139.1	156.0	173.3	185.9	193.6	194.7	193.7	194.5
100°	92.5	105.5	119.9	135.8	152.7	169.6	183.4	192.6	194.9	194.1	194.8
102.5°	90.8	103.0	117.2	133.1	150.0	166.8	181.7	192.1	195.2	194.5	194.9
105°	89.2	100.6	115.2	131.0	147.8	165.0	181.3	192.2	195.4	194.7	195.0
107.5°	88.1	99.0	113.3	129.1	146.2	164.2	182.2	193.1	195.8	194.8	195.0
110°	87.0	97.8	111.0	125.6	141.5	159.6	179.1	191.0	194.8	194.7	194.8



TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	85.7	96.2	108.5	121.8	136.6	153.1	169.2	179.3	182.8	184.2	187.3
115°	84.4	94.2	105.4	117.4	131.1	146.1	158.9	166.9	170.9	173.7	178.0
117.5°	82.5	91.7	101.6	112.6	125.0	138.5	148.5	155.1	159.6	164.0	170.1
120°	80.0	88.3	97.0	107.0	118.0	129.0	137.8	144.0	149.1	154.9	163.0
122.5°	76.6	83.6	91.4	100.3	110.1	119.0	126.8	133.4	139.4	146.5	156.5
125°	74.1	79.1	84.7	92.5	100.8	108.9	116.5	123.8	131.1	139.3	150.8
127.5°	71.7	76.5	81.4	86.2	91.0	99.1	107.2	115.1	123.6	134.0	146.3
130°	69.3	73.9	78.6	83.2	88.2	93.9	100.4	107.9	117.0	129.5	143.0
132.5°	66.9	71.5	75.9	80.3	85.6	91.2	97.4	104.6	114.1	126.0	140.3
135°	64.8	69.0	73.1	77.9	82.9	88.4	94.5	101.4	111.5	122.9	135.5
137.5°	62.5	66.4	70.7	75.2	80.1	85.4	91.1	99.1	108.2	118.7	130.5
140°	60.1	64.0	68.2	72.5	77.1	82.0	88.4	95.9	104.3	113.5	124.3
142.5°	57.7	61.5	65.4	69.4	73.6	78.9	85.1	91.9	99.1	107.8	117.0
145°	55.1	58.6	62.0	65.6	70.1	75.3	80.7	86.4	93.2	100.6	108.5
147.5°	51.7	54.6	57.8	61.8	66.1	70.2	74.7	79.9	85.8	92.0	98.5
150°	47.9	50.8	53.6	56.8	59.9	63.3	67.4	72.0	76.8	81.7	86.8
152.5°	44.7	47.3	49.3	51.2	53.1	55.2	58.6	62.1	65.8	69.6	73.8
155°	40.7	42.7	44.6	46.6	48.6	50.4	51.9	53.3	54.8	56.3	59.5
157.5°	36.5	38.5	40.4	42.2	43.7	45.2	46.6	48.1	49.5	51.0	52.3
160°	32.7	34.3	35.9	37.3	38.7	40.2	41.6	43.0	44.3	45.5	46.7
162.5°	28.5	29.9	31.3	32.7	34.1	35.4	36.6	37.8	39.0	40.0	41.0
165°	24.5	25.8	27.0	28.3	29.4	30.5	31.6	32.6	33.6	34.3	35.1
167.5°	20.6	21.7	22.7	23.7	24.7	25.6	26.4	27.2	27.9	28.6	29.2
170°	16.6	17.5	18.3	19.0	19.8	20.5	21.1	21.7	22.3	22.9	23.5
172.5°	12.4	13.1	13.7	14.2	14.8	15.4	15.9	16.4	16.9	17.3	17.7
175°	8.3	8.8	9.2	9.6	10.0	10.3	10.7	11.0	11.3	11.7	12.0
177.5°	4.5	4.7	4.9	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	6.7	6.9	7.0	7.1	7.2	7.4	7.4	7.5	7.6	7.6	8.5
5°	12.4	12.7	12.9	13.2	13.4	13.7	13.9	14.0	14.2	14.3	16.1
7.5°	18.1	18.4	18.8	19.2	19.6	19.9	20.2	20.5	20.7	20.9	23.6
10°	24.0	24.4	24.9	25.3	25.7	26.2	26.6	27.0	27.3	27.6	31.1
12.5°	29.8	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.2	38.6
15°	35.7	36.3	37.0	37.6	38.1	38.6	39.3	39.9	40.4	40.9	46.2
17.5°	41.7	42.4	43.0	43.7	44.3	44.9	45.5	46.3	46.9	47.5	53.7
20°	47.7	48.5	49.2	49.8	50.5	51.2	51.9	52.7	53.5	54.2	61.2
22.5°	53.5	54.6	55.4	56.0	56.7	57.5	58.2	59.1	60.0	60.8	68.6
25°	62.7	65.9	68.8	71.5	73.9	76.5	78.9	81.2	83.3	85.0	93.7
27.5°	78.0	82.1	86.0	89.8	93.3	96.8	100.3	103.5	106.5	109.2	118.8
30°	92.1	97.3	102.3	107.2	111.9	116.5	121.2	125.6	129.7	133.3	144.1
32.5°	105.0	111.5	117.8	123.8	129.8	135.8	141.7	147.5	152.7	157.5	169.3
35°	116.8	124.6	132.5	139.8	147.1	154.5	161.9	169.1	175.7	181.7	194.5
37.5°	126.9	136.9	146.2	155.1	164.0	172.7	181.6	190.4	198.5	205.9	219.7
40°	135.8	148.0	159.1	169.8	179.9	190.4	201.0	211.5	221.2	230.0	245.0
42.5°	143.4	157.6	171.3	184.4	195.7	207.7	220.5	232.4	243.9	254.2	270.2
45°	150.3	166.3	182.7	197.3	211.0	224.5	238.9	253.1	266.4	278.4	295.5
47.5°	155.9	171.9	188.6	203.1	216.7	230.1	245.2	261.0	276.5	290.8	310.3
50°	157.5	173.0	189.3	204.4	218.7	233.4	250.0	268.0	286.2	303.2	325.0
52.5°	160.2	175.2	190.7	206.1	220.6	236.6	254.7	274.8	295.9	315.7	339.9
55°	164.1	178.2	192.9	208.0	222.7	239.7	259.2	281.4	305.4	328.1	354.8
57.5°	168.6	181.9	195.7	210.2	225.0	242.8	263.6	287.8	314.9	340.5	369.7
60°	173.7	186.3	199.8	213.0	227.6	245.8	267.9	294.1	324.3	352.9	384.8
62.5°	179.5	191.4	203.5	216.2	230.4	248.7	272.1	300.2	333.6	365.4	399.8
65°	186.3	197.1	208.3	219.9	233.4	251.7	276.3	306.3	342.8	377.8	414.8
67.5°	193.8	203.3	213.6	224.1	236.6	254.6	280.5	312.2	352.1	390.2	429.9
70°	198.6	205.9	214.6	223.8	235.2	252.1	277.3	308.7	349.2	389.4	432.9
72.5°	198.4	204.8	213.0	221.7	232.8	249.1	273.7	305.0	346.3	388.7	435.8
75°	198.4	204.1	211.6	219.7	230.6	246.3	270.3	301.4	343.4	387.9	440.5
77.5°	198.5	203.6	210.4	217.9	228.5	243.8	267.1	298.0	340.6	387.1	442.9
80°	198.8	203.3	209.4	216.3	226.6	241.5	264.1	294.7	337.8	386.4	445.3
82.5°	199.2	203.3	208.6	214.7	224.9	239.4	261.3	291.6	335.1	385.6	447.7
85°	199.7	203.4	208.0	213.3	223.3	237.5	258.6	288.7	332.5	384.8	450.1
87.5°	200.3	203.6	207.4	212.0	221.9	235.8	256.2	285.9	329.9	384.1	452.5
90°	201.0	203.9	206.9	210.8	220.6	234.3	253.9	283.3	327.5	383.3	454.9
92.5°	200.3	203.6	207.4	212.0	221.9	235.8	256.2	285.9	329.9	384.1	452.5
95°	199.7	203.4	208.0	213.3	223.3	237.5	258.6	288.7	332.5	384.8	450.1
97.5°	199.2	203.3	208.6	214.7	224.9	239.4	261.3	291.6	335.1	385.6	447.7
100°	198.8	203.3	209.4	216.3	226.6	241.5	264.1	294.7	337.8	386.4	445.3
102.5°	198.5	203.6	210.4	217.9	228.5	243.8	267.1	298.0	340.6	387.1	442.9
105°	198.4	204.1	211.6	219.7	230.6	246.3	270.3	301.4	343.4	387.9	440.5
107.5°	198.4	204.8	213.0	221.7	232.8	249.1	273.7	305.0	346.3	388.7	435.8
110°	198.6	205.9	214.6	223.8	235.2	252.1	277.3	308.7	349.2	389.4	432.9





TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-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°	193.8	203.3	213.6	224.1	236.6	254.6	280.5	312.2	352.1	390.2	429.9
115°	186.3	197.1	208.3	219.9	233.4	251.7	276.3	306.3	342.8	377.8	414.8
117.5°	179.5	191.4	203.5	216.2	230.4	248.7	272.1	300.2	333.6	365.4	399.8
120°	173.7	186.3	199.8	213.0	227.6	245.8	267.9	294.1	324.3	352.9	384.8
122.5°	168.6	181.9	195.7	210.2	225.0	242.8	263.6	287.8	314.9	340.5	369.7
125°	164.1	178.2	192.9	208.0	222.7	239.7	259.2	281.4	305.4	328.1	354.8
127.5°	160.2	175.2	190.7	206.1	220.6	236.6	254.7	274.8	295.9	315.7	339.9
130°	157.5	173.0	189.3	204.4	218.7	233.4	250.0	268.0	286.2	303.2	325.0
132.5°	155.9	171.9	188.6	203.1	216.7	230.1	245.2	261.0	276.5	290.8	310.3
135°	150.3	166.3	182.7	197.3	211.0	224.5	238.9	253.1	266.4	278.4	295.5
137.5°	143.4	157.6	171.3	184.4	195.7	207.7	220.5	232.4	243.9	254.2	270.2
140°	135.8	148.0	159.1	169.8	179.9	190.4	201.0	211.5	221.2	230.0	245.0
142.5°	126.9	136.9	146.2	155.1	164.0	172.7	181.6	190.4	198.5	205.9	219.7
145°	116.8	124.6	132.5	139.8	147.1	154.5	161.9	169.1	175.7	181.7	194.5
147.5°	105.0	111.5	117.8	123.8	129.8	135.8	141.7	147.5	152.7	157.5	169.3
150°	92.1	97.3	102.3	107.2	111.9	116.5	121.2	125.6	129.7	133.3	144.1
152.5°	78.0	82.1	86.0	89.8	93.3	96.8	100.3	103.5	106.5	109.2	118.8
155°	62.7	65.9	68.8	71.5	73.9	76.5	78.9	81.2	83.3	85.0	93.7
157.5°	53.5	54.6	55.4	56.0	56.7	57.5	58.2	59.1	60.0	60.8	68.6
160°	47.7	48.5	49.2	49.8	50.5	51.2	51.9	52.7	53.5	54.2	61.2
162.5°	41.7	42.4	43.0	43.7	44.3	44.9	45.5	46.3	46.9	47.5	53.7
165°	35.7	36.3	37.0	37.6	38.1	38.6	39.3	39.9	40.4	40.9	46.2
167.5°	29.8	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.2	38.6
170°	24.0	24.4	24.9	25.3	25.7	26.2	26.6	27.0	27.3	27.6	31.1
172.5°	18.1	18.4	18.8	19.2	19.6	19.9	20.2	20.5	20.7	20.9	23.6
175°	12.4	12.7	12.9	13.2	13.4	13.7	13.9	14.0	14.2	14.3	16.1
177.5°	6.7	6.9	7.0	7.1	7.2	7.4	7.4	7.5	7.6	7.6	8.5
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	9.4	10.3	11.1	11.9	12.7	13.5	14.3	15.0	15.7	16.4	17.1
5°	17.8	19.5	21.2	22.9	24.5	26.1	27.6	29.0	30.4	31.8	33.1
7.5°	26.2	28.8	31.3	33.8	36.2	38.6	41.0	44.1	47.0	49.9	52.7
10°	34.6	38.1	41.4	44.7	48.1	52.4	56.6	60.6	64.6	68.4	72.3
12.5°	43.0	47.3	51.5	56.1	61.5	66.8	72.0	77.0	82.0	87.0	91.8
15°	51.4	56.5	61.7	68.3	74.7	81.0	87.2	93.3	99.3	105.1	111.5
17.5°	59.7	65.7	72.7	80.3	87.7	95.0	102.2	109.2	116.0	122.0	127.5
20°	68.0	75.0	83.7	92.2	100.6	108.7	116.7	124.5	130.9	137.3	143.4
22.5°	76.3	84.8	94.4	103.9	113.0	121.9	130.6	137.8	144.9	151.8	158.5
25°	101.9	111.1	120.7	129.6	137.6	145.2	150.9	156.1	160.8	165.2	172.3
27.5°	128.1	138.7	149.1	158.3	166.6	173.5	178.8	183.8	188.3	192.5	195.4
30°	154.3	166.1	177.6	186.4	195.6	200.6	205.7	210.3	214.7	217.8	220.4
32.5°	180.8	193.5	205.0	214.1	221.6	226.7	231.4	235.8	239.3	241.9	246.6
35°	207.2	220.8	232.1	241.4	247.3	252.3	256.3	260.2	262.7	266.2	273.0
37.5°	233.6	248.0	258.9	268.0	272.3	276.4	280.3	283.0	285.4	291.0	298.0
40°	259.9	275.1	285.3	292.9	296.5	300.0	303.2	305.0	308.5	313.9	323.6
42.5°	286.2	301.9	311.4	317.2	320.0	323.0	325.0	326.2	330.5	337.3	347.3
45°	312.4	327.9	337.2	341.0	343.0	345.3	346.1	347.6	350.9	359.7	371.5
47.5°	330.8	349.7	363.4	369.6	374.2	376.7	375.1	371.4	372.0	381.1	395.2
50°	349.2	372.1	390.6	402.0	413.4	422.6	428.6	433.6	436.1	435.6	434.9
52.5°	368.1	395.5	418.8	436.4	455.5	472.4	487.8	501.7	510.1	507.0	503.4
55°	387.3	419.6	448.4	473.1	500.2	525.8	551.8	573.4	584.7	574.3	567.3
57.5°	406.8	444.6	479.3	512.0	547.5	582.4	620.1	648.1	653.4	638.5	626.9
60°	426.5	470.1	511.4	552.6	597.4	642.4	692.4	725.4	719.0	699.4	682.6
62.5°	446.5	496.3	544.4	594.8	649.5	706.5	766.8	804.9	781.9	757.0	734.4
65°	466.6	522.9	578.3	638.2	703.3	773.1	841.0	876.2	842.4	811.8	782.7
67.5°	486.8	549.9	612.8	682.7	758.7	841.9	916.5	941.1	901.2	863.9	827.8
70°	490.7	555.2	621.1	697.7	781.6	875.3	957.9	980.4	947.6	911.4	870.6
72.5°	493.8	558.5	625.1	705.1	790.6	884.9	964.7	982.7	960.2	927.0	886.9
75°	496.5	561.4	628.6	711.9	798.6	892.7	970.6	988.9	975.8	943.0	900.4
77.5°	499.0	563.8	631.5	718.0	805.4	898.6	975.5	998.2	994.1	959.5	914.0
80°	503.0	565.7	633.9	723.5	811.2	902.9	979.3	1009.9	1014.4	976.6	928.1
82.5°	504.2	569.0	638.2	728.2	815.8	905.5	982.0	1023.3	1036.2	994.6	942.8
85°	505.4	569.2	638.2	734.0	821.5	909.0	986.1	1039.5	1058.9	1013.3	958.4
87.5°	506.6	569.4	638.2	735.6	822.5	907.0	984.7	1052.6	1082.3	1032.5	974.4
90°	507.8	569.6	638.2	737.3	823.5	904.9	983.3	1065.7	1104.9	1053.9	993.1
92.5°	506.6	569.4	638.2	735.6	822.5	907.0	984.7	1052.6	1082.3	1032.5	974.4
95°	505.4	569.2	638.2	734.0	821.5	909.0	986.1	1039.5	1058.9	1013.3	958.4
97.5°	504.2	569.0	638.2	728.2	815.8	905.5	982.0	1023.3	1036.2	994.6	942.8
100°	503.0	565.7	633.9	723.5	811.2	902.9	979.3	1009.9	1014.4	976.6	928.1
102.5°	499.0	563.8	631.5	718.0	805.4	898.6	975.5	998.2	994.1	959.5	914.0
105°	496.5	561.4	628.6	711.9	798.6	892.7	970.6	988.9	975.8	943.0	900.4
107.5°	493.8	558.5	625.1	705.1	790.6	884.9	964.7	982.7	960.2	927.0	886.9
110°	490.7	555.2	621.1	697.7	781.6	875.3	957.9	980.4	947.6	911.4	870.6



TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	486.8	549.9	612.8	682.7	758.7	841.9	916.5	941.1	901.2	863.9	827.8
115°	466.6	522.9	578.3	638.2	703.3	773.1	841.0	876.2	842.4	811.8	782.7
117.5°	446.5	496.3	544.4	594.8	649.5	706.5	766.8	804.9	781.9	757.0	734.4
120°	426.5	470.1	511.4	552.6	597.4	642.4	692.4	725.4	719.0	699.4	682.6
122.5°	406.8	444.6	479.3	512.0	547.5	582.4	620.1	648.1	653.4	638.5	626.9
125°	387.3	419.6	448.4	473.1	500.2	525.8	551.8	573.4	584.7	574.3	567.3
127.5°	368.1	395.5	418.8	436.4	455.5	472.4	487.8	501.7	510.1	507.0	503.4
130°	349.2	372.1	390.6	402.0	413.4	422.6	428.6	433.6	436.1	435.6	434.9
132.5°	330.8	349.7	363.4	369.6	374.2	376.7	375.1	371.4	372.0	381.1	395.2
135°	312.4	327.9	337.2	341.0	343.0	345.3	346.1	347.6	350.9	359.7	371.5
137.5°	286.2	301.9	311.4	317.2	320.0	323.0	325.0	326.2	330.5	337.3	347.3
140°	259.9	275.1	285.3	292.9	296.5	300.0	303.2	305.0	308.5	313.9	323.6
142.5°	233.6	248.0	258.9	268.0	272.3	276.4	280.3	283.0	285.4	291.0	298.0
145°	207.2	220.8	232.1	241.4	247.3	252.3	256.3	260.2	262.7	266.2	273.0
147.5°	180.8	193.5	205.0	214.1	221.6	226.7	231.4	235.8	239.3	241.9	246.6
150°	154.3	166.1	177.6	186.4	195.6	200.6	205.7	210.3	214.7	217.8	220.4
152.5°	128.1	138.7	149.1	158.3	166.6	173.5	178.8	183.8	188.3	192.5	195.4
155°	101.9	111.1	120.7	129.6	137.6	145.2	150.9	156.1	160.8	165.2	172.3
157.5°	76.3	84.8	94.4	103.9	113.0	121.9	130.6	137.8	144.9	151.8	158.5
160°	68.0	75.0	83.7	92.2	100.6	108.7	116.7	124.5	130.9	137.3	143.4
162.5°	59.7	65.7	72.7	80.3	87.7	95.0	102.2	109.2	116.0	122.0	127.5
165°	51.4	56.5	61.7	68.3	74.7	81.0	87.2	93.3	99.3	105.1	111.5
167.5°	43.0	47.3	51.5	56.1	61.5	66.8	72.0	77.0	82.0	87.0	91.8
170°	34.6	38.1	41.4	44.7	48.1	52.4	56.6	60.6	64.6	68.4	72.3
172.5°	26.2	28.8	31.3	33.8	36.2	38.6	41.0	44.1	47.0	49.9	52.7
175°	17.8	19.5	21.2	22.9	24.5	26.1	27.6	29.0	30.4	31.8	33.1
177.5°	9.4	10.3	11.1	11.9	12.7	13.5	14.3	15.0	15.7	16.4	17.1
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: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	17.7	18.3	18.8	19.3	19.8	20.3	20.7	21.1	21.4	21.7	21.9
5°	34.9	36.6	38.2	39.8	41.2	42.6	43.9	45.1	46.2	47.2	48.1
7.5°	55.4	57.9	60.4	62.7	64.9	67.2	69.3	71.3	73.2	74.9	76.4
10°	75.9	79.5	83.0	86.3	89.5	92.5	95.4	97.8	100.0	101.9	103.7
12.5°	96.4	100.9	105.1	108.7	112.1	115.4	118.4	121.3	124.0	126.9	129.7
15°	115.6	120.2	124.6	128.8	133.0	137.4	141.6	145.7	149.6	153.3	156.8
17.5°	132.9	138.8	143.6	148.9	154.2	159.3	164.1	168.8	173.5	178.0	182.3
20°	149.6	155.8	161.8	167.7	173.3	178.8	184.3	190.0	196.1	201.8	207.0
22.5°	165.2	171.7	177.7	183.7	190.0	197.9	205.6	212.9	219.5	224.8	229.2
25°	178.7	184.8	191.9	200.7	210.1	219.2	228.0	235.8	242.5	248.5	254.0
27.5°	197.8	201.8	209.2	220.1	232.0	243.2	254.4	262.5	270.8	277.7	284.0
30°	225.4	232.6	240.3	250.3	260.1	271.2	283.1	293.5	303.6	312.2	320.2
32.5°	253.7	262.2	272.7	283.4	295.0	306.2	317.9	329.6	340.3	348.8	356.4
35°	281.2	292.0	303.5	316.2	328.8	342.2	355.1	366.1	376.3	387.9	400.5
37.5°	308.8	320.5	334.0	348.0	362.6	376.4	389.0	401.9	417.0	433.2	447.4
40°	334.7	349.0	363.7	379.3	394.3	408.6	424.6	441.5	459.4	477.8	496.9
42.5°	361.3	376.3	392.8	409.0	424.8	442.8	461.3	482.3	504.7	527.6	552.0
45°	386.5	403.4	420.5	437.7	456.9	476.8	500.0	523.8	551.1	580.8	616.7
47.5°	411.5	429.0	447.5	467.2	488.3	512.8	538.7	567.8	601.9	640.1	688.6
50°	437.9	454.3	474.2	496.1	521.1	547.9	578.4	614.1	655.8	709.4	767.7
52.5°	502.8	505.6	512.6	525.2	554.1	583.7	619.0	661.1	718.2	782.3	855.3
55°	563.0	562.2	566.6	577.5	595.6	619.9	657.9	716.1	782.0	856.3	943.5
57.5°	618.1	613.3	615.0	624.3	642.2	670.8	714.2	771.4	843.8	933.2	1032.0
60°	668.5	658.8	658.4	667.6	687.6	719.9	774.5	838.6	916.0	1007.4	1124.8
62.5°	714.8	701.1	696.9	705.4	729.9	773.8	832.5	902.8	994.4	1101.4	1226.4
65°	756.9	739.4	733.9	743.5	770.8	821.5	885.9	971.7	1074.6	1193.8	1336.5
67.5°	795.2	773.3	766.8	779.7	814.3	868.2	938.8	1034.1	1148.6	1285.9	1448.1
70°	831.6	804.4	795.9	812.4	852.6	910.2	992.9	1097.6	1221.2	1368.0	1549.8
72.5°	852.2	830.9	826.9	845.3	886.8	949.6	1040.4	1152.7	1285.0	1444.5	1619.2
75°	867.8	852.7	855.7	879.6	924.4	990.6	1086.7	1201.2	1336.1	1504.0	1674.3
77.5°	884.8	875.8	883.7	911.7	959.6	1033.3	1133.5	1250.5	1388.9	1549.8	1719.2
80°	903.2	900.0	910.8	941.7	991.6	1070.8	1173.2	1289.7	1431.9	1590.2	1774.7
82.5°	922.6	924.9	937.2	969.7	1020.6	1103.4	1206.2	1319.4	1463.0	1619.1	1812.5
85°	942.9	950.2	963.0	996.0	1046.9	1131.4	1232.9	1340.5	1483.0	1636.9	1833.4
87.5°	963.7	975.9	988.4	1021.4	1071.7	1156.8	1256.2	1356.9	1497.0	1648.8	1844.9
90°	985.3	1001.0	1012.8	1044.1	1092.2	1174.5	1269.6	1361.8	1494.1	1641.2	1828.5
92.5°	963.7	975.9	988.4	1021.4	1071.7	1156.8	1256.2	1356.9	1497.0	1648.8	1844.9
95°	942.9	950.2	963.0	996.0	1046.9	1131.4	1232.9	1340.5	1483.0	1636.9	1833.4
97.5°	922.6	924.9	937.2	969.7	1020.6	1103.4	1206.2	1319.4	1463.0	1619.1	1812.5
100°	903.2	900.0	910.8	941.7	991.6	1070.8	1173.2	1289.7	1431.9	1590.2	1774.7
102.5°	884.8	875.8	883.7	911.7	959.6	1033.3	1133.5	1250.5	1388.9	1549.8	1719.2
105°	867.8	852.7	855.7	879.6	924.4	990.6	1086.7	1201.2	1336.1	1504.0	1674.3
107.5°	852.2	830.9	826.9	845.3	886.8	949.6	1040.4	1152.7	1285.0	1444.5	1619.2
110°	831.6	804.4	795.9	812.4	852.6	910.2	992.9	1097.6	1221.2	1368.0	1549.8



TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-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°	795.2	773.3	766.8	779.7	814.3	868.2	938.8	1034.1	1148.6	1285.9	1448.1
115°	756.9	739.4	733.9	743.5	770.8	821.5	885.9	971.7	1074.6	1193.8	1336.5
117.5°	714.8	701.1	696.9	705.4	729.9	773.8	832.5	902.8	994.4	1101.4	1226.4
120°	668.5	658.8	658.4	667.6	687.6	719.9	774.5	838.6	916.0	1007.4	1124.8
122.5°	618.1	613.3	615.0	624.3	642.2	670.8	714.2	771.4	843.8	933.2	1032.0
125°	563.0	562.2	566.6	577.5	595.6	619.9	657.9	716.1	782.0	856.3	943.5
127.5°	502.8	505.6	512.6	525.2	554.1	583.7	619.0	661.1	718.2	782.3	855.3
130°	437.9	454.3	474.2	496.1	521.1	547.9	578.4	614.1	655.8	709.4	767.7
132.5°	411.5	429.0	447.5	467.2	488.2	512.8	538.7	567.8	601.9	640.1	688.6
135°	386.5	403.4	420.5	437.7	456.9	476.8	500.0	523.8	551.1	580.8	616.7
137.5°	361.3	376.3	392.8	409.0	424.8	442.8	461.3	482.3	504.7	527.6	552.0
140°	334.7	349.0	363.7	379.3	394.3	408.6	424.6	441.5	459.4	477.8	496.9
142.5°	308.8	320.5	334.0	348.0	362.6	376.4	389.0	401.9	417.0	433.2	447.4
145°	281.2	292.0	303.6	316.2	328.8	342.2	355.1	366.1	376.3	387.9	400.5
147.5°	253.7	262.2	272.7	283.4	295.0	306.2	317.9	329.6	340.3	348.8	356.4
150°	225.4	232.6	240.3	250.3	260.1	271.2	283.1	293.5	303.6	312.2	320.2
152.5°	197.8	201.8	209.2	220.1	232.0	243.2	254.4	262.5	270.8	277.7	284.0
155°	178.7	184.8	191.9	200.7	210.1	219.2	228.0	235.8	242.5	248.5	254.0
157.5°	165.2	171.7	177.7	183.7	190.0	197.9	205.6	212.9	219.5	224.8	229.2
160°	149.6	155.8	161.8	167.7	173.3	178.8	184.3	190.0	196.1	201.8	207.0
162.5°	132.9	138.8	143.6	148.9	154.2	159.3	164.1	168.8	173.5	178.0	182.3
165°	115.6	120.2	124.6	128.8	133.0	137.4	141.6	145.7	149.6	153.3	156.8
167.5°	96.4	100.9	105.1	108.7	112.1	115.4	118.4	121.3	124.0	126.9	129.7
170°	75.9	79.5	83.0	86.3	89.5	92.5	95.4	97.8	100.0	101.9	103.7
172.5°	55.4	57.9	60.4	62.7	64.9	67.2	69.3	71.3	73.2	74.9	76.4
175°	34.9	36.6	38.2	39.8	41.2	42.6	43.9	45.1	46.2	47.2	48.1
177.5°	17.7	18.3	18.8	19.3	19.8	20.3	20.7	21.1	21.4	21.7	21.9
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	22.2	22.3	22.5	22.6	22.6	22.6	23.3	23.0	22.8	22.5	22.2
5°	48.9	49.6	50.1	50.6	51.0	51.2	51.4	51.4	52.2	51.7	51.1
7.5°	77.8	79.0	80.1	81.0	81.8	82.3	82.7	83.0	83.0	83.7	82.9
10°	105.4	106.8	108.1	109.2	110.1	110.7	111.2	111.5	111.6	112.4	111.6
12.5°	132.3	134.7	136.8	138.8	140.5	141.9	143.1	144.0	144.6	145.0	145.6
15°	160.2	163.3	166.3	169.0	171.5	173.8	175.7	177.4	178.7	179.7	181.2
17.5°	186.5	190.4	193.9	197.1	199.8	202.2	204.2	205.7	206.9	207.7	208.9
20°	211.9	215.7	218.1	219.8	221.0	221.6	221.7	221.4	220.6	219.5	218.4
22.5°	232.8	235.5	238.0	239.9	241.1	241.5	241.2	240.3	238.8	236.9	235.0
25°	258.4	261.8	264.1	266.3	267.6	267.8	267.2	265.7	263.5	260.5	256.9
27.5°	289.5	293.7	296.6	298.8	300.6	301.4	301.4	300.4	298.5	295.8	292.1
30°	325.2	330.1	334.0	336.9	343.0	348.0	351.9	354.7	356.2	356.4	355.1
32.5°	364.1	374.1	383.4	391.7	400.8	409.9	418.0	424.8	430.2	433.9	435.7
35°	412.6	426.1	439.9	453.1	466.3	481.0	494.3	506.0	515.9	523.7	529.2
37.5°	463.8	481.0	501.3	521.0	539.9	561.5	581.7	599.6	614.9	627.3	636.7
40°	518.5	541.5	570.1	599.4	627.1	656.3	686.6	713.9	737.9	758.2	774.3
42.5°	582.5	614.5	650.3	691.9	731.8	771.0	813.1	850.2	882.0	908.1	928.5
45°	654.9	700.7	744.7	801.7	857.6	914.6	958.1	1002.9	1042.1	1075.3	1101.8
47.5°	739.7	800.5	864.6	929.2	993.5	1053.9	1116.9	1178.7	1233.0	1279.0	1316.1
50°	837.5	909.4	985.0	1058.9	1146.2	1228.6	1310.4	1396.2	1471.4	1535.0	1586.0
52.5°	936.1	1019.5	1116.0	1214.8	1327.9	1443.7	1549.0	1647.0	1735.8	1813.7	1878.8
55°	1035.9	1144.4	1262.0	1397.6	1532.3	1663.2	1783.4	1877.0	1958.5	2032.3	2096.8
57.5°	1146.2	1279.8	1426.0	1579.3	1736.4	1844.8	1946.3	2040.2	2124.0	2201.4	2270.9
60°	1264.1	1418.8	1587.7	1744.4	1879.3	1988.0	2079.5	2170.0	2255.4	2332.8	2401.5
62.5°	1378.0	1558.8	1732.0	1889.0	2001.4	2104.5	2192.6	2277.5	2365.1	2444.7	2514.8
65°	1507.4	1687.2	1863.5	1989.0	2097.7	2196.2	2291.4	2380.8	2466.5	2543.6	2606.6
67.5°	1626.6	1812.1	1950.9	2066.5	2173.3	2280.2	2381.3	2476.6	2563.3	2634.3	2693.1
70°	1725.2	1893.1	2025.4	2130.8	2242.8	2353.4	2459.5	2555.6	2645.7	2722.9	2776.3
72.5°	1800.2	1968.8	2084.9	2195.0	2304.4	2413.2	2521.2	2621.3	2723.8	2808.8	2853.8
75°	1868.7	2016.4	2132.6	2244.7	2358.0	2467.5	2565.1	2670.4	2772.0	2863.5	2917.4
77.5°	1925.9	2057.7	2166.1	2282.2	2401.0	2509.3	2607.6	2705.4	2822.7	2911.1	2966.5
80°	1956.4	2081.8	2188.5	2309.1	2432.9	2542.8	2643.9	2757.9	2872.3	2954.3	2992.7
82.5°	1982.3	2102.5	2214.8	2335.1	2450.6	2558.4	2667.6	2784.2	2901.9	2975.1	3009.6
85°	2000.9	2114.3	2231.5	2353.0	2466.6	2574.3	2680.0	2792.4	2913.8	2990.6	3028.8
87.5°	2016.6	2117.0	2237.6	2356.7	2470.3	2577.5	2692.7	2808.2	2931.7	2999.3	3030.9
90°	2007.9	2110.8	2232.4	2347.1	2460.8	2565.7	2690.2	2799.1	2927.5	2997.1	3014.7
92.5°	2016.6	2117.0	2237.6	2356.7	2470.3	2577.5	2692.7	2808.2	2931.7	2999.3	3030.9
95°	2000.9	2114.3	2231.5	2353.0	2466.6	2574.3	2680.0	2792.4	2913.8	2990.6	3028.8
97.5°	1982.3	2102.5	2214.8	2335.1	2450.6	2558.4	2667.6	2784.2	2901.9	2975.1	3009.6
100°	1956.4	2081.8	2188.5	2309.1	2432.9	2542.8	2643.9	2757.9	2872.3	2954.3	2992.7
102.5°	1925.9	2057.7	2166.1	2282.2	2401.0	2509.3	2607.6	2705.4	2822.7	2911.1	2966.5
105°	1868.7	2016.4	2132.6	2244.7	2358.0	2467.5	2565.1	2670.4	2772.0	2863.5	2917.4
107.5°	1800.2	1968.8	2084.9	2195.0	2304.4	2413.2	2521.2	2621.3	2723.8	2808.8	2853.8
110°	1725.2	1893.1	2025.4	2130.8	2242.8	2353.4	2459.5	2555.6	2645.7	2722.9	2776.3



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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1626.6	1812.1	1950.9	2066.5	2173.3	2280.2	2381.3	2476.6	2563.3	2634.3	2693.1
115°	1507.4	1687.2	1863.5	1989.0	2097.7	2196.2	2291.4	2380.8	2466.5	2543.6	2606.6
117.5°	1378.0	1558.8	1732.0	1889.0	2001.4	2104.5	2192.6	2277.5	2365.1	2444.7	2514.8
120°	1264.1	1418.8	1587.7	1744.4	1879.3	1988.0	2079.5	2170.0	2255.4	2332.8	2401.5
122.5°	1146.2	1279.8	1426.0	1579.3	1736.4	1844.8	1946.3	2040.2	2124.0	2201.4	2270.9
125°	1035.9	1144.4	1262.0	1397.6	1532.3	1663.2	1783.4	1877.0	1958.5	2032.3	2096.8
127.5°	936.1	1019.5	1116.0	1214.8	1327.9	1443.7	1549.0	1647.0	1735.8	1813.7	1878.8
130°	837.5	909.4	985.0	1058.9	1146.2	1228.6	1310.4	1396.2	1471.4	1535.0	1586.0
132.5°	739.7	800.5	864.6	929.2	993.5	1053.9	1116.9	1178.7	1233.0	1279.0	1316.1
135°	654.9	700.7	744.7	801.7	857.6	914.6	958.1	1002.9	1042.1	1075.3	1101.8
137.5°	582.5	614.5	650.3	691.9	731.8	771.0	813.1	850.2	882.0	908.1	928.5
140°	518.5	541.5	570.1	599.4	627.1	656.3	686.6	713.9	737.9	758.2	774.3
142.5°	463.8	481.0	501.3	521.0	539.9	561.5	581.7	599.6	614.9	627.3	636.7
145°	412.6	426.1	439.9	453.1	466.3	481.0	494.3	506.0	515.9	523.7	529.2
147.5°	364.1	374.1	383.4	391.7	400.8	409.9	418.0	424.8	430.2	433.9	435.7
150°	325.2	330.1	334.0	336.9	343.0	348.0	351.9	354.7	356.2	356.4	355.1
152.5°	289.5	293.7	296.6	298.8	300.6	301.4	301.4	300.4	298.5	295.8	292.1
155°	258.4	261.8	264.1	266.3	267.6	267.8	267.2	265.7	263.5	260.5	256.9
157.5°	232.8	235.5	238.0	239.9	241.1	241.5	241.2	240.3	238.8	236.9	235.0
160°	211.9	215.7	218.1	219.8	221.0	221.6	221.7	221.4	220.6	219.5	218.4
162.5°	186.5	190.4	193.9	197.1	199.8	202.2	204.2	205.7	206.9	207.7	208.9
165°	160.2	163.3	166.3	169.0	171.5	173.8	175.7	177.4	178.7	179.7	181.2
167.5°	132.3	134.7	136.8	138.8	140.5	141.9	143.1	144.0	144.6	145.0	145.6
170°	105.4	106.8	108.1	109.2	110.1	110.7	111.2	111.5	111.6	112.4	111.6
172.5°	77.8	79.0	80.1	81.0	81.8	82.3	82.7	83.0	83.0	83.7	82.9
175°	48.9	49.6	50.1	50.6	51.0	51.2	51.4	51.4	52.2	51.7	51.1
177.5°	22.2	22.3	22.5	22.6	22.6	22.6	23.3	23.0	22.8	22.5	22.2
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1.0	1.0
2.5°	21.9	21.6
5°	50.6	50.0
7.5°	82.2	81.4
10°	110.7	109.8
12.5°	144.9	144.1
15°	180.8	180.4
17.5°	208.3	207.8
20°	216.6	214.7
22.5°	231.7	228.4
25°	252.9	248.0
27.5°	288.1	282.4
30°	353.2	348.0
32.5°	436.8	433.3
35°	533.7	532.4
37.5°	644.5	645.1
40°	788.4	792.2
42.5°	946.0	951.0
45°	1125.3	1133.3
47.5°	1348.9	1360.8
50°	1631.0	1647.1
52.5°	1938.2	1963.7
55°	2157.2	2191.2
57.5°	2337.1	2379.4
60°	2466.0	2510.8
62.5°	2575.0	2625.5
65°	2657.3	2698.1
67.5°	2740.4	2777.5
70°	2813.4	2838.3
72.5°	2885.3	2904.9
75°	2943.5	2958.9
77.5°	2980.2	2981.4
80°	3007.0	3010.8
82.5°	3026.0	3036.3
85°	3047.0	3037.3
87.5°	3053.7	3050.0
90°	3049.1	3043.2
92.5°	3053.7	3050.0
95°	3047.0	3037.3
97.5°	3026.0	3036.3
100°	3007.0	3010.8
102.5°	2980.2	2981.4
105°	2943.5	2958.9
107.5°	2885.3	2904.9
110°	2813.4	2838.3





TEST NUMBER: P232085

CATALOG NUMBER: FVS4WM-3-LD4-35-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2740.4	2777.5
115°	2657.3	2698.1
117.5°	2575.0	2625.5
120°	2466.0	2510.8
122.5°	2337.1	2379.4
125°	2157.2	2191.2
127.5°	1938.2	1963.7
130°	1631.0	1647.1
132.5°	1348.9	1360.8
135°	1125.3	1133.3
137.5°	946.0	951.0
140°	788.4	792.2
142.5°	644.5	645.1
145°	533.7	532.4
147.5°	436.8	433.3
150°	353.2	348.0
152.5°	288.1	282.4
155°	252.9	248.0
157.5°	231.7	228.4
160°	216.6	214.7
162.5°	208.3	207.8
165°	180.8	180.4
167.5°	144.9	144.1
170°	110.7	109.8
172.5°	82.2	81.4
175°	50.6	50.0
177.5°	21.9	21.6
180°	1.0	1.0

(END OF REPORT)