

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: P232010

Luminaire Tested: **FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232010  
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-LD4-40-2STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
4FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

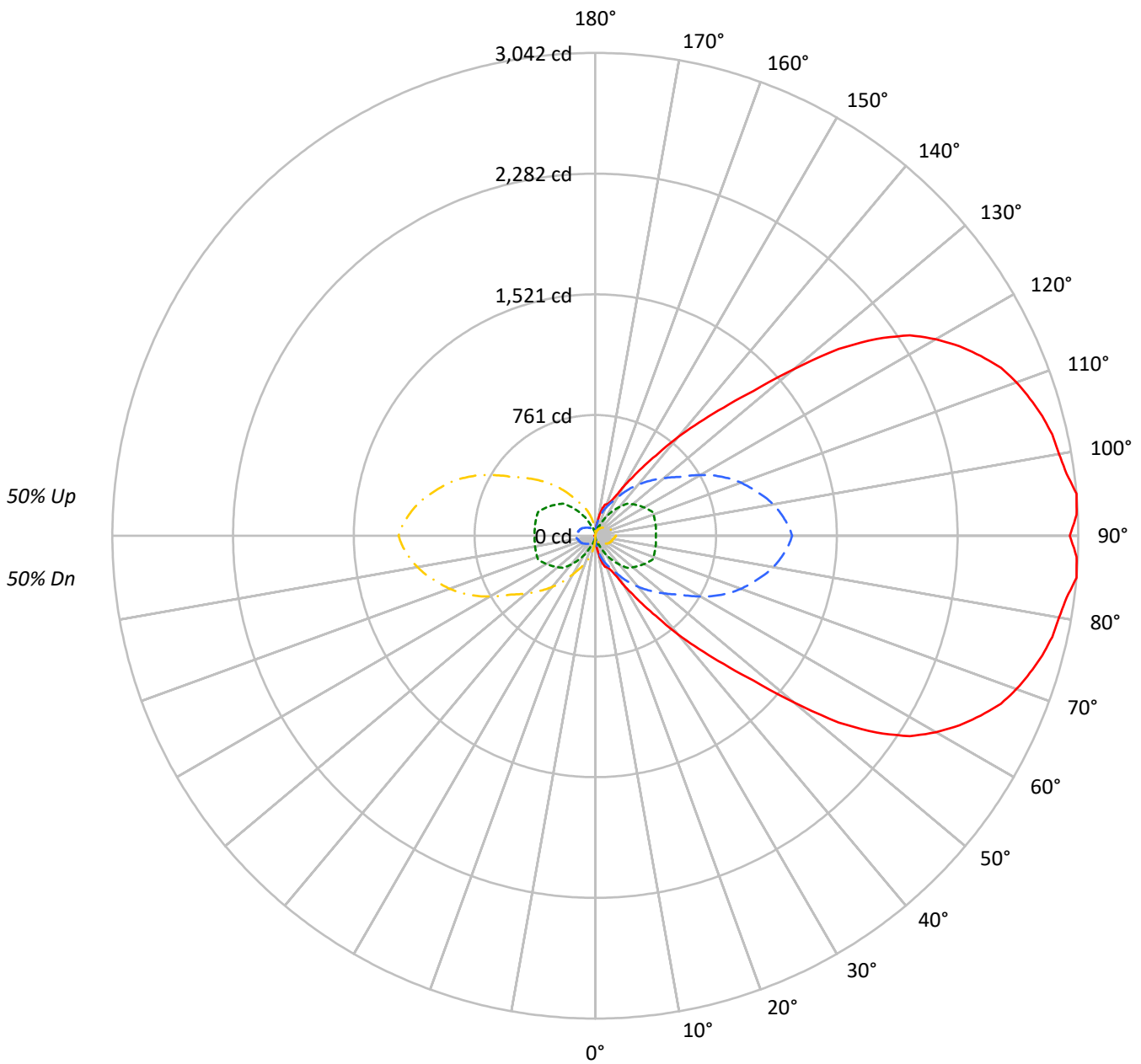
Lumens per Lamp: N/A  
Luminaire Lumens: 6923.9 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 21.23 / 13.35 / 14.39  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 67.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	84	77	71	83	76	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°	38	38	38	38
5°	654	250	21	250
10°	1319	464	19	464
15°	1979	686	17	686
20°	2095	920	16	920
25°	2296	1451	15	1451
30°	3201	2320	14	2320
35°	4615	3280	14	3280
40°	6681	4372	13	4372
45°	9165	5644	20	5644
50°	12888	6621	20	6621
55°	16889	7843	20	7843
60°	19290	9420	19	9420
65°	20983	11535	26	11535
70°	22399	14062	26	14062
75°	23612	17340	27	17340
80°	24735	22911	0	22911
85°	26354	34313	0	34313



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	22.8	0.3
20°-30°	60.5	0.9
30°-40°	139.3	2.0
40°-50°	274.5	4.0
50°-60°	486.9	7.0
60°-70°	702.4	10.1
70°-80°	849.5	12.3
80°-90°	922.8	13.3
90°-100°	922.8	13.3
100°-110°	849.5	12.3
110°-120°	702.4	10.1
120°-130°	486.9	7.0
130°-140°	274.5	4.0
140°-150°	139.3	2.0
150°-160°	60.5	0.9
160°-170°	22.8	0.3
170°-180°	3.2	0.0
0°-30°	86.6	1.3
0°-40°	225.9	3.3
0°-60°	987.3	14.3
0°-90°	3461.9	50.0
90°-120°	2474.7	35.7
90°-150°	3375.3	48.7
90°-180°	3462.0	50.0
0°-180°	6923.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	49	17	2	17	49	7
15°	183	45	2	45	183	51
25°	244	90	2	90	244	122
35°	541	188	2	188	541	354
45°	1141	285	2	285	1141	915
55°	2163	332	2	332	2163	1914
65°	2679	379	3	379	2679	2653
75°	2914	388	3	388	2914	3075
85°	3042	384	0	384	3042	2460
90°	2988	382	0	382	2988	1651
95°	3042	384	0	384	3042	2460
105°	2914	388	3	388	2914	3075
115°	2679	379	3	379	2679	2653
125°	2163	332	2	332	2163	1914
135°	1141	285	2	285	1141	915
145°	541	188	2	188	541	354
155°	244	90	2	90	244	122
165°	183	45	2	45	183	51
175°	49	17	2	17	49	7
180°	2	2	2	2	2	



TEST NUMBER: P232010

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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	23.8	24.1	24.4	24.7	25.0	25.2	25.5	24.8	24.8	24.7	24.6
5°	49.3	49.9	50.5	51.1	51.7	51.1	51.2	51.1	51.0	50.7	50.4
7.5°	83.9	84.6	85.3	86.1	85.2	85.1	84.7	84.2	83.5	82.7	81.6
10°	111.0	111.9	112.8	113.7	112.9	112.9	112.7	112.2	111.6	110.8	109.7
12.5°	150.5	151.2	151.9	150.9	150.3	149.4	148.2	146.7	144.9	142.8	140.4
15°	182.6	183.1	183.6	182.5	181.8	180.7	179.3	177.6	175.7	173.4	170.9
17.5°	206.4	207.2	208.1	207.4	207.0	206.3	205.1	203.7	201.8	199.5	196.9
20°	208.9	211.3	213.6	215.5	217.3	218.7	219.8	220.5	220.6	220.2	219.2
22.5°	222.8	226.7	230.5	232.9	235.5	237.5	238.9	239.7	239.7	239.1	237.6
25°	244.2	249.4	253.6	257.4	260.7	263.3	265.1	266.2	266.5	266.0	264.6
27.5°	286.2	291.7	295.3	298.5	300.7	301.9	302.3	301.8	300.3	298.0	295.9
30°	359.3	363.5	364.2	364.3	362.9	360.2	356.4	351.5	345.8	339.3	335.6
32.5°	436.6	439.9	439.0	437.2	433.7	428.4	421.6	413.4	403.9	394.1	385.1
35°	541.1	542.6	537.9	532.0	523.6	512.8	499.8	484.9	468.2	454.5	440.7
37.5°	655.4	655.1	647.5	638.3	625.9	610.5	592.5	572.0	549.7	528.5	506.0
40°	810.8	807.3	792.9	776.4	755.4	730.4	701.7	669.9	639.6	611.4	581.5
42.5°	967.0	961.4	943.6	923.3	897.5	866.8	831.3	791.6	751.1	709.0	664.9
45°	1141.4	1137.1	1117.3	1093.5	1061.7	1022.0	974.3	926.0	872.1	819.9	766.6
47.5°	1350.2	1345.5	1321.0	1291.8	1253.1	1205.3	1148.6	1086.2	1019.4	945.0	881.6
50°	1633.9	1625.1	1587.7	1544.4	1488.8	1421.8	1344.6	1269.2	1190.3	1103.4	1020.6
52.5°	1932.4	1909.8	1856.5	1799.4	1732.9	1659.3	1580.9	1485.0	1375.6	1265.3	1166.8
55°	2162.7	2132.3	2075.1	2013.5	1942.0	1862.3	1774.3	1677.2	1569.6	1444.5	1314.3
57.5°	2350.2	2310.4	2247.2	2181.2	2108.1	2029.6	1939.5	1840.5	1740.8	1608.8	1472.8
60°	2476.0	2433.4	2372.0	2306.8	2233.7	2153.3	2066.7	1979.3	1877.7	1757.2	1620.5
62.5°	2586.2	2537.8	2480.1	2413.2	2337.3	2253.9	2171.3	2083.7	1986.1	1884.1	1750.4
65°	2679.1	2632.6	2576.5	2510.2	2433.3	2350.3	2263.5	2171.8	2072.7	1967.5	1857.0
67.5°	2765.4	2721.6	2667.2	2601.5	2523.9	2437.9	2345.5	2248.0	2147.1	2038.6	1927.2
70°	2823.0	2788.5	2743.3	2684.6	2606.8	2514.4	2417.6	2314.3	2207.5	2104.3	1998.8
72.5°	2870.7	2853.2	2821.1	2768.2	2675.0	2575.1	2475.0	2369.3	2265.5	2163.0	2061.2
75°	2914.3	2905.8	2885.9	2829.9	2731.6	2622.1	2515.0	2419.6	2319.2	2211.3	2106.4
77.5°	2947.2	2942.4	2929.7	2862.8	2767.1	2657.1	2558.3	2461.3	2359.4	2250.4	2138.7
80°	2965.2	2972.2	2954.1	2888.0	2793.3	2698.7	2596.4	2495.0	2388.8	2277.7	2162.8
82.5°	2993.2	2996.6	2969.4	2922.9	2833.7	2733.6	2623.5	2512.2	2407.2	2300.3	2189.7
85°	3041.7	3004.7	2957.8	2940.0	2862.9	2753.9	2644.3	2535.4	2426.7	2315.2	2206.1
87.5°	3034.3	2984.1	2990.2	2959.2	2873.0	2761.4	2651.9	2548.4	2436.3	2317.7	2211.6
90°	2988.3	2990.7	3004.7	2965.2	2854.2	2747.3	2639.6	2546.7	2433.2	2308.2	2206.3
92.5°	3034.3	2984.1	2990.2	2959.2	2873.0	2761.4	2651.9	2548.4	2436.3	2317.7	2211.6
95°	3041.7	3004.7	2957.8	2940.0	2862.9	2753.9	2644.3	2535.4	2426.7	2315.2	2206.1
97.5°	2993.2	2996.6	2969.4	2922.9	2833.7	2733.6	2623.5	2512.2	2407.2	2300.3	2189.7
100°	2965.2	2972.2	2954.1	2888.0	2793.3	2698.7	2596.4	2495.0	2388.8	2277.7	2162.8
102.5°	2947.2	2942.4	2929.7	2862.8	2767.1	2657.1	2558.3	2461.3	2359.4	2250.4	2138.7
105°	2914.3	2905.8	2885.9	2829.9	2731.6	2622.1	2515.0	2419.6	2319.2	2211.3	2106.4
107.5°	2870.7	2853.2	2821.1	2768.2	2675.0	2575.1	2475.0	2369.3	2265.5	2163.0	2061.2
110°	2823.0	2788.5	2743.3	2684.6	2606.8	2514.4	2417.6	2314.3	2207.5	2104.3	1998.8



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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°	2765.4	2721.6	2667.2	2601.5	2523.9	2437.9	2345.5	2248.0	2147.1	2038.6	1927.2
115°	2679.1	2632.6	2576.5	2510.2	2433.3	2350.3	2263.5	2171.8	2072.7	1967.5	1857.0
117.5°	2586.2	2537.8	2480.1	2413.2	2337.3	2253.9	2171.3	2083.7	1986.1	1884.1	1750.4
120°	2476.0	2433.4	2372.0	2306.8	2233.7	2153.3	2066.7	1979.3	1877.7	1757.2	1620.5
122.5°	2350.2	2310.4	2247.2	2181.2	2108.1	2029.6	1939.5	1840.5	1740.8	1608.8	1472.8
125°	2162.7	2132.3	2075.1	2013.5	1942.0	1862.3	1774.3	1677.2	1569.6	1444.5	1314.3
127.5°	1932.4	1909.8	1856.5	1799.4	1732.9	1659.3	1580.9	1485.0	1375.6	1265.3	1166.8
130°	1633.9	1625.1	1587.7	1544.4	1488.8	1421.8	1344.6	1269.2	1190.3	1103.4	1020.6
132.5°	1350.2	1345.5	1321.0	1291.8	1253.1	1205.3	1148.6	1086.2	1019.4	945.0	881.6
135°	1141.4	1137.1	1117.3	1093.5	1061.7	1022.0	974.3	926.0	872.1	819.9	766.6
137.5°	967.0	961.4	943.6	923.3	897.5	866.8	831.3	791.6	751.1	709.0	664.9
140°	810.8	807.3	792.9	776.4	755.4	730.4	701.7	669.9	639.6	611.4	581.5
142.5°	655.4	655.1	647.5	638.3	625.9	610.5	592.5	572.0	549.7	528.5	506.0
145°	541.1	542.6	537.9	532.0	523.6	512.8	499.8	484.9	468.2	454.5	440.7
147.5°	436.6	439.9	439.0	437.2	433.7	428.4	421.6	413.4	403.9	394.1	385.1
150°	359.3	363.5	364.2	364.3	362.9	360.2	356.4	351.5	345.8	339.3	335.6
152.5°	286.2	291.7	295.3	298.5	300.7	301.9	302.3	301.8	300.3	298.0	295.9
155°	244.2	249.4	253.6	257.4	260.7	263.3	265.1	266.2	266.5	266.0	264.6
157.5°	222.8	226.7	230.5	232.9	235.5	237.5	238.9	239.7	239.7	239.1	237.6
160°	208.9	211.3	213.6	215.5	217.3	218.7	219.8	220.5	220.6	220.2	219.2
162.5°	206.4	207.2	208.1	207.4	207.0	206.3	205.1	203.7	201.8	199.5	196.9
165°	182.6	183.1	183.6	182.5	181.8	180.7	179.3	177.6	175.7	173.4	170.9
167.5°	150.5	151.2	151.9	150.9	150.3	149.4	148.2	146.7	144.9	142.8	140.4
170°	111.0	111.9	112.8	113.7	112.9	112.9	112.7	112.2	111.6	110.8	109.7
172.5°	83.9	84.6	85.3	86.1	85.2	85.1	84.7	84.2	83.5	82.7	81.6
175°	49.3	49.9	50.5	51.1	51.7	51.1	51.2	51.1	51.0	50.7	50.4
177.5°	23.8	24.1	24.4	24.7	25.0	25.2	25.5	24.8	24.8	24.7	24.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	24.5	24.3	24.1	23.8	23.5	23.2	22.8	22.4	21.9	21.4	20.9
5°	49.9	49.3	48.7	47.9	47.1	46.1	45.1	44.0	42.7	41.4	40.0
7.5°	80.4	79.1	77.6	75.9	74.1	72.1	70.0	67.8	65.4	63.3	61.2
10°	108.5	107.1	105.5	103.7	101.7	99.6	97.0	94.0	90.9	87.6	84.2
12.5°	137.8	135.0	132.0	128.7	125.6	122.9	120.0	116.9	113.6	110.1	106.5
15°	168.1	165.1	161.9	158.0	153.7	149.2	144.5	139.7	134.8	130.5	126.1
17.5°	193.9	190.5	186.6	182.4	178.0	173.4	168.7	163.5	157.7	151.9	145.9
20°	217.6	214.4	210.2	205.5	200.3	194.8	189.1	183.5	177.7	171.8	165.4
22.5°	235.8	234.0	231.3	227.6	223.1	217.1	210.3	203.1	195.6	188.8	182.2
25°	262.8	259.9	255.9	250.9	245.6	239.7	232.6	224.4	215.8	206.6	198.1
27.5°	293.9	290.7	286.5	281.2	274.7	266.9	259.2	248.7	238.0	226.6	215.9
30°	331.1	325.7	320.4	314.0	307.1	299.0	289.0	277.6	267.1	257.8	248.2
32.5°	375.6	365.7	357.8	350.0	341.5	332.4	323.7	314.3	303.7	292.7	282.3
35°	426.0	411.6	399.9	388.3	378.3	369.6	360.1	350.0	339.2	327.5	315.2
37.5°	482.5	463.5	445.4	431.6	419.0	407.1	396.2	385.2	373.5	360.9	347.9
40°	551.4	524.7	500.1	480.4	462.7	446.8	433.1	419.5	407.1	393.9	379.6
42.5°	628.0	595.8	564.0	536.5	510.9	489.8	470.8	455.2	439.7	425.9	411.1
45°	721.1	673.0	633.7	596.7	564.3	534.0	511.4	490.9	473.6	456.8	441.7
47.5°	824.3	766.6	712.5	660.9	620.9	584.2	552.3	528.1	507.3	488.4	470.9
50°	936.2	866.3	799.8	738.6	680.6	636.0	597.2	564.4	540.9	520.1	499.8
52.5°	1069.4	977.0	891.9	819.5	751.7	689.1	643.0	604.5	573.2	550.6	542.1
55°	1199.6	1093.8	994.7	901.8	824.5	752.7	688.0	645.5	620.8	605.8	602.0
57.5°	1332.9	1204.8	1095.2	992.1	897.4	817.5	753.7	706.0	675.3	657.5	654.1
60°	1466.0	1319.1	1186.8	1076.4	979.1	894.3	822.9	763.9	729.3	708.5	701.6
62.5°	1601.6	1428.3	1284.7	1165.5	1061.5	965.3	888.6	825.5	779.6	754.2	745.3
65°	1715.0	1560.0	1395.3	1255.4	1139.1	1036.5	947.9	878.8	827.5	799.9	790.0
67.5°	1816.2	1669.9	1508.8	1351.9	1210.4	1098.4	1003.9	930.7	876.5	843.1	830.5
70°	1884.4	1753.9	1608.9	1440.9	1287.0	1159.8	1057.3	976.6	918.8	882.2	867.3
72.5°	1946.9	1817.8	1670.8	1516.2	1361.5	1213.8	1102.3	1018.3	956.0	920.1	904.0
75°	1996.2	1869.7	1725.1	1572.6	1426.9	1265.0	1146.8	1059.2	996.9	956.9	936.1
77.5°	2036.8	1913.0	1766.1	1617.4	1473.2	1320.6	1193.5	1101.4	1035.2	991.6	967.5
80°	2059.9	1948.0	1812.3	1659.9	1510.2	1363.3	1232.1	1138.1	1070.2	1024.3	998.3
82.5°	2080.6	1973.3	1849.2	1693.7	1539.0	1394.1	1263.2	1169.7	1102.1	1055.3	1028.5
85°	2094.1	1986.2	1876.3	1718.1	1559.4	1414.1	1287.6	1196.8	1131.2	1084.7	1058.2
87.5°	2099.5	1991.8	1898.4	1737.8	1575.4	1428.1	1308.2	1221.4	1158.8	1113.2	1087.6
90°	2096.1	1981.8	1898.7	1737.5	1574.7	1428.4	1319.8	1240.0	1182.5	1139.7	1115.9
92.5°	2099.5	1991.8	1898.4	1737.8	1575.4	1428.1	1308.2	1221.4	1158.8	1113.2	1087.6
95°	2094.1	1986.2	1876.3	1718.1	1559.4	1414.1	1287.6	1196.8	1131.2	1084.7	1058.2
97.5°	2080.6	1973.3	1849.2	1693.7	1539.0	1394.1	1263.2	1169.7	1102.1	1055.3	1028.5
100°	2059.9	1948.0	1812.3	1659.9	1510.2	1363.3	1232.1	1138.1	1070.2	1024.3	998.3
102.5°	2036.8	1913.0	1766.1	1617.4	1473.2	1320.6	1193.5	1101.4	1035.2	991.6	967.5
105°	1996.2	1869.7	1725.1	1572.6	1426.9	1265.0	1146.8	1059.2	996.9	956.9	936.1
107.5°	1946.9	1817.8	1670.8	1516.2	1361.5	1213.8	1102.3	1018.3	956.0	920.1	904.0
110°	1884.4	1753.9	1608.9	1440.9	1287.0	1159.8	1057.3	976.6	918.8	882.2	867.3





TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-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°	1816.2	1669.9	1508.8	1351.9	1210.4	1098.4	1003.9	930.7	876.5	843.1	830.5
115°	1715.0	1560.0	1395.3	1255.4	1139.1	1036.5	947.9	878.8	827.5	799.9	790.0
117.5°	1601.6	1428.3	1284.7	1165.5	1061.5	965.3	888.6	825.5	779.6	754.2	745.3
120°	1466.0	1319.1	1186.8	1076.4	979.1	894.3	822.9	763.9	729.3	708.5	701.6
122.5°	1332.9	1204.8	1095.2	992.1	897.4	817.5	753.7	706.0	675.3	657.5	654.1
125°	1199.6	1093.8	994.7	901.8	824.5	752.7	688.0	645.5	620.8	605.8	602.0
127.5°	1069.4	977.0	891.9	819.5	751.7	689.1	643.0	604.5	573.2	550.6	542.1
130°	936.2	866.3	799.8	738.6	680.6	636.0	597.2	564.4	540.9	520.1	499.8
132.5°	824.3	766.6	712.5	660.9	620.9	584.2	552.3	528.1	507.3	488.4	470.9
135°	721.1	673.0	633.7	596.7	564.3	534.0	511.4	490.9	473.6	456.8	441.7
137.5°	628.0	595.8	564.0	536.5	510.9	489.8	470.8	455.2	439.7	425.9	411.1
140°	551.4	524.7	500.1	480.4	462.7	446.8	433.1	419.5	407.1	393.9	379.6
142.5°	482.5	463.5	445.4	431.6	419.0	407.1	396.2	385.2	373.5	360.9	347.9
145°	426.0	411.6	399.9	388.3	378.3	369.6	360.1	350.0	339.2	327.5	315.2
147.5°	375.6	365.7	357.8	350.0	341.5	332.4	323.7	314.3	303.7	292.7	282.3
150°	331.1	325.7	320.4	314.0	307.1	299.0	289.0	277.6	267.1	257.8	248.2
152.5°	293.9	290.7	286.5	281.2	274.7	266.9	259.2	248.7	238.0	226.6	215.9
155°	262.8	259.9	255.9	250.9	245.6	239.7	232.6	224.4	215.8	206.6	198.1
157.5°	235.8	234.0	231.3	227.6	223.1	217.1	210.3	203.1	195.6	188.8	182.2
160°	217.6	214.4	210.2	205.5	200.3	194.8	189.1	183.5	177.7	171.8	165.4
162.5°	193.9	190.5	186.6	182.4	178.0	173.4	168.7	163.5	157.7	151.9	145.9
165°	168.1	165.1	161.9	158.0	153.7	149.2	144.5	139.7	134.8	130.5	126.1
167.5°	137.8	135.0	132.0	128.7	125.6	122.9	120.0	116.9	113.6	110.1	106.5
170°	108.5	107.1	105.5	103.7	101.7	99.6	97.0	94.0	90.9	87.6	84.2
172.5°	80.4	79.1	77.6	75.9	74.1	72.1	70.0	67.8	65.4	63.3	61.2
175°	49.9	49.3	48.7	47.9	47.1	46.1	45.1	44.0	42.7	41.4	40.0
177.5°	24.5	24.3	24.1	23.8	23.5	23.2	22.8	22.4	21.9	21.4	20.9
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	20.3	19.7	19.1	18.4	17.7	17.0	16.3	15.5	14.7	13.9	13.1
5°	38.5	37.0	35.4	34.1	32.7	31.3	29.8	28.3	26.7	25.1	23.5
7.5°	59.0	56.7	54.2	51.6	48.9	46.1	43.3	40.9	38.6	36.2	33.8
10°	80.7	77.0	73.4	69.8	66.1	62.4	58.5	54.5	50.4	47.1	44.0
12.5°	102.2	97.8	93.2	88.5	83.6	78.8	73.9	68.9	63.7	58.4	54.0
15°	121.5	116.8	112.5	106.4	100.8	95.2	89.4	83.3	77.1	70.7	64.1
17.5°	140.7	134.5	128.8	122.9	116.8	110.5	104.1	97.7	90.5	83.0	75.3
20°	158.7	152.0	145.3	138.7	131.8	124.8	117.9	110.9	103.8	95.3	86.5
22.5°	175.4	168.3	161.1	154.0	146.5	138.7	130.7	123.3	115.8	107.7	97.7
25°	190.0	182.6	175.2	167.7	163.3	158.1	152.3	146.2	140.3	133.9	125.0
27.5°	208.8	204.1	200.4	196.5	192.5	188.1	182.5	176.2	169.8	162.9	154.4
30°	240.7	233.6	228.0	224.2	220.3	216.2	211.6	205.5	199.5	191.6	183.9
32.5°	271.9	263.4	256.1	250.6	246.9	243.0	239.0	233.8	227.6	220.2	211.9
35°	303.8	292.8	284.1	276.8	272.3	268.8	265.2	261.8	255.4	248.6	239.8
37.5°	334.7	322.6	311.2	303.4	297.0	293.5	290.4	287.2	282.5	276.7	267.6
40°	365.4	351.3	339.3	328.4	321.8	317.2	314.6	312.1	308.8	303.6	295.3
42.5°	395.1	380.2	365.9	354.3	345.8	339.9	338.0	336.2	334.4	330.0	322.7
45°	425.2	407.8	392.7	379.6	368.5	363.3	360.6	359.5	358.7	355.8	350.1
47.5°	454.6	436.1	418.8	404.4	392.4	388.8	389.3	389.6	387.8	382.8	374.5
50°	482.3	466.7	463.1	460.4	455.4	447.7	439.0	431.5	422.6	412.0	399.0
52.5°	537.0	537.0	539.1	537.7	528.7	512.7	494.7	477.2	460.2	443.0	424.3
55°	598.5	601.3	608.4	616.6	605.6	583.0	555.2	526.3	500.3	475.7	450.9
57.5°	655.7	660.8	671.6	690.1	682.9	657.1	619.9	578.8	542.9	510.3	478.6
60°	708.0	716.3	731.7	755.5	761.2	734.6	688.6	634.6	588.6	546.6	507.3
62.5°	755.5	769.3	788.3	816.3	840.5	815.0	760.2	694.9	636.4	584.3	536.8
65°	798.6	818.5	841.5	873.0	919.9	893.5	833.4	757.7	686.1	623.2	567.1
67.5°	837.9	864.3	891.9	928.2	982.7	970.5	908.4	822.5	737.1	663.1	597.9
70°	875.0	907.2	941.5	980.1	1028.0	1019.2	949.7	854.5	758.7	677.5	607.0
72.5°	907.6	931.6	963.3	994.2	1026.5	1021.0	955.4	864.4	767.7	685.0	612.7
75°	933.8	950.8	981.7	1011.5	1030.8	1022.9	958.6	872.2	775.4	691.8	617.9
77.5°	960.6	971.8	1000.2	1031.7	1040.1	1024.8	959.7	878.2	782.0	697.9	622.8
80°	988.1	994.4	1018.8	1054.1	1053.1	1026.3	958.7	882.4	787.4	703.2	627.2
82.5°	1016.0	1018.3	1037.9	1078.2	1068.9	1027.3	955.9	885.0	791.8	707.8	633.7
85°	1044.3	1043.3	1057.7	1103.3	1086.2	1030.3	953.7	888.6	797.0	713.2	635.7
87.5°	1072.8	1069.0	1077.7	1129.3	1104.7	1027.5	946.4	886.3	797.7	715.1	637.8
90°	1101.1	1095.3	1100.2	1154.5	1120.8	1024.6	939.1	884.0	798.5	717.1	639.8
92.5°	1072.8	1069.0	1077.7	1129.3	1104.7	1027.5	946.4	886.3	797.7	715.1	637.8
95°	1044.3	1043.3	1057.7	1103.3	1086.2	1030.3	953.7	888.6	797.0	713.2	635.7
97.5°	1016.0	1018.3	1037.9	1078.2	1068.9	1027.3	955.9	885.0	791.8	707.8	633.7
100°	988.1	994.4	1018.8	1054.1	1053.1	1026.3	958.7	882.4	787.4	703.2	627.2
102.5°	960.6	971.8	1000.2	1031.7	1040.1	1024.8	959.7	878.2	782.0	697.9	622.8
105°	933.8	950.8	981.7	1011.5	1030.8	1022.9	958.6	872.2	775.4	691.8	617.9
107.5°	907.6	931.6	963.3	994.2	1026.5	1021.0	955.4	864.4	767.7	685.0	612.7
110°	875.0	907.2	941.5	980.1	1028.0	1019.2	949.7	854.5	758.7	677.5	607.0



TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	837.9	864.3	891.9	928.2	982.7	970.5	908.4	822.5	737.1	663.1	597.9
115°	798.6	818.5	841.5	873.0	919.9	893.5	833.4	757.7	686.1	623.2	567.1
117.5°	755.5	769.3	788.3	816.3	840.5	815.0	760.2	694.9	636.4	584.3	536.8
120°	708.0	716.3	731.7	755.5	761.2	734.6	688.6	634.6	588.6	546.6	507.3
122.5°	655.7	660.8	671.6	690.1	682.9	657.1	619.9	578.8	542.9	510.3	478.6
125°	598.5	601.3	608.4	616.6	605.6	583.0	555.2	526.3	500.3	475.7	450.9
127.5°	537.0	537.0	539.1	537.7	528.7	512.7	494.7	477.2	460.2	443.0	424.3
130°	482.3	466.7	463.1	460.4	455.4	447.7	439.0	431.5	422.6	412.0	399.0
132.5°	454.6	436.1	418.8	404.4	392.4	388.8	389.3	389.6	387.8	382.8	374.5
135°	425.2	407.8	392.7	379.6	368.5	363.3	360.6	359.5	358.7	355.8	350.1
137.5°	395.1	380.2	365.9	354.3	345.8	339.9	338.0	336.2	334.4	330.0	322.7
140°	365.4	351.3	339.3	328.4	321.8	317.2	314.6	312.1	308.8	303.6	295.3
142.5°	334.7	322.6	311.2	303.4	297.0	293.5	290.4	287.2	282.5	276.7	267.6
145°	303.8	292.8	284.1	276.8	272.3	268.8	265.2	261.8	255.4	248.6	239.8
147.5°	271.9	263.4	256.1	250.6	246.9	243.0	239.0	233.8	227.6	220.2	211.9
150°	240.7	233.6	228.0	224.2	220.3	216.2	211.6	205.5	199.5	191.6	183.9
152.5°	208.8	204.1	200.4	196.5	192.5	188.1	182.5	176.2	169.8	162.9	154.4
155°	190.0	182.6	175.2	167.7	163.3	158.1	152.3	146.2	140.3	133.9	125.0
157.5°	175.4	168.3	161.1	154.0	146.5	138.7	130.7	123.3	115.8	107.7	97.7
160°	158.7	152.0	145.3	138.7	131.8	124.8	117.9	110.9	103.8	95.3	86.5
162.5°	140.7	134.5	128.8	122.9	116.8	110.5	104.1	97.7	90.5	83.0	75.3
165°	121.5	116.8	112.5	106.4	100.8	95.2	89.4	83.3	77.1	70.7	64.1
167.5°	102.2	97.8	93.2	88.5	83.6	78.8	73.9	68.9	63.7	58.4	54.0
170°	80.7	77.0	73.4	69.8	66.1	62.4	58.5	54.5	50.4	47.1	44.0
172.5°	59.0	56.7	54.2	51.6	48.9	46.1	43.3	40.9	38.6	36.2	33.8
175°	38.5	37.0	35.4	34.1	32.7	31.3	29.8	28.3	26.7	25.1	23.5
177.5°	20.3	19.7	19.1	18.4	17.7	17.0	16.3	15.5	14.7	13.9	13.1
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	12.2	11.3	10.4	9.5	9.5	9.5	9.4	9.3	9.3	9.2	9.1
5°	21.8	20.1	18.3	16.6	16.5	16.3	16.2	16.0	15.8	15.5	15.3
7.5°	31.3	28.8	26.2	23.6	23.4	23.1	22.8	22.4	22.1	21.7	21.2
10°	40.7	37.4	34.1	30.6	30.2	29.8	29.3	28.7	28.1	27.6	27.1
12.5°	50.0	46.0	41.9	37.7	37.0	36.4	35.6	34.8	34.1	33.6	33.0
15°	59.2	54.5	49.6	44.7	43.8	42.9	41.8	40.9	40.3	39.7	39.0
17.5°	68.3	62.9	57.3	51.7	50.5	49.3	47.9	47.1	46.5	45.8	45.0
20°	77.4	71.2	65.0	58.8	57.2	55.6	54.0	53.4	52.6	51.9	51.3
22.5°	87.5	79.4	72.7	65.8	63.9	61.8	60.3	59.6	58.8	58.2	57.6
25°	114.9	105.6	98.1	90.2	87.0	83.5	80.6	78.1	75.5	73.1	70.6
27.5°	143.5	132.6	123.8	114.6	110.2	105.4	101.5	97.5	94.1	90.7	87.1
30°	171.9	159.7	149.6	139.0	133.1	126.9	121.7	116.3	112.0	107.5	102.6
32.5°	200.3	187.2	175.4	163.4	156.0	148.4	141.4	134.8	129.2	123.4	117.2
35°	228.5	214.6	201.3	187.7	178.7	169.4	160.6	152.8	145.9	138.5	130.9
37.5°	256.6	242.0	227.2	212.1	201.2	190.2	179.4	170.3	162.2	152.9	143.6
40°	284.6	269.3	253.2	236.5	223.7	210.6	197.6	187.4	177.2	166.6	155.4
42.5°	312.2	296.4	279.3	260.9	246.0	230.8	215.9	204.0	192.0	180.1	166.5
45°	339.3	323.5	305.4	285.3	268.2	250.7	233.6	220.3	206.3	191.9	176.8
47.5°	359.4	339.9	318.5	297.0	277.0	257.4	239.6	225.5	211.6	197.3	182.3
50°	379.7	356.3	331.5	308.7	285.5	263.4	244.1	228.3	213.6	198.9	183.7
52.5°	400.7	373.0	344.4	320.4	293.8	269.3	248.4	231.2	215.6	200.9	186.0
55°	422.4	390.1	357.3	332.1	302.0	275.1	252.6	234.0	217.9	203.3	189.1
57.5°	444.8	407.6	370.3	343.8	310.1	280.8	256.6	237.0	220.5	206.1	193.0
60°	467.7	425.3	383.2	355.5	318.2	286.4	260.5	239.9	223.4	209.7	198.2
62.5°	491.0	443.2	396.0	367.2	326.1	291.9	264.3	243.0	226.6	213.8	203.0
65°	514.7	461.3	408.8	378.9	334.1	297.4	268.1	246.2	230.1	218.5	209.0
67.5°	538.7	479.6	421.6	390.6	341.9	303.0	271.8	249.4	233.8	223.7	215.7
70°	544.1	483.4	425.6	389.6	339.7	300.6	269.2	247.1	232.3	223.5	216.9
72.5°	547.8	486.3	429.6	388.6	337.6	298.1	266.3	244.2	229.5	221.1	214.7
75°	551.1	488.9	435.2	387.6	335.4	295.8	263.6	241.4	226.9	218.9	212.7
77.5°	554.1	491.1	438.9	386.6	333.4	293.7	261.0	238.7	224.4	216.7	210.8
80°	556.6	494.6	442.6	385.6	331.5	291.7	258.6	236.2	222.0	214.7	209.1
82.5°	560.5	495.6	446.2	384.6	329.7	289.9	256.4	233.9	219.7	212.7	207.4
85°	561.5	496.5	449.9	383.6	327.9	288.2	254.3	231.7	217.6	210.8	205.9
87.5°	562.4	497.4	453.5	382.6	326.3	286.7	252.5	229.6	215.6	208.9	204.5
90°	563.3	498.3	457.2	381.6	324.8	285.3	250.8	227.8	213.8	207.2	203.1
92.5°	562.4	497.4	453.5	382.6	326.3	286.7	252.5	229.6	215.6	208.9	204.5
95°	561.5	496.5	449.9	383.6	327.9	288.2	254.3	231.7	217.6	210.8	205.9
97.5°	560.5	495.6	446.2	384.6	329.7	289.9	256.4	233.9	219.7	212.7	207.4
100°	556.6	494.6	442.6	385.6	331.5	291.7	258.6	236.2	222.0	214.7	209.1
102.5°	554.1	491.1	438.9	386.6	333.4	293.7	261.0	238.7	224.4	216.7	210.8
105°	551.1	488.9	435.2	387.6	335.4	295.8	263.6	241.4	226.9	218.9	212.7
107.5°	547.8	486.3	429.6	388.6	337.6	298.1	266.3	244.2	229.5	221.1	214.7
110°	544.1	483.4	425.6	389.6	339.7	300.6	269.2	247.1	232.3	223.5	216.9



TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-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°	538.7	479.6	421.6	390.6	341.9	303.0	271.8	249.4	233.8	223.7	215.7
115°	514.7	461.3	408.8	378.9	334.1	297.4	268.1	246.2	230.1	218.5	209.0
117.5°	491.0	443.2	396.0	367.2	326.1	291.9	264.3	243.0	226.6	213.8	203.0
120°	467.7	425.3	383.2	355.5	318.2	286.4	260.5	239.9	223.4	209.7	198.2
122.5°	444.8	407.6	370.3	343.8	310.1	280.8	256.6	237.0	220.5	206.1	193.0
125°	422.4	390.1	357.3	332.1	302.0	275.1	252.6	234.0	217.9	203.3	189.1
127.5°	400.7	373.0	344.4	320.4	293.8	269.3	248.4	231.2	215.6	200.9	186.0
130°	379.7	356.3	331.5	308.7	285.5	263.4	244.1	228.3	213.6	198.9	183.7
132.5°	359.4	339.9	318.5	297.0	277.0	257.4	239.6	225.5	211.6	197.3	182.3
135°	339.3	323.5	305.4	285.3	268.2	250.7	233.6	220.3	206.3	191.9	176.8
137.5°	312.2	296.4	279.3	260.9	246.0	230.8	215.9	204.0	192.0	180.1	166.5
140°	284.6	269.3	253.2	236.5	223.7	210.6	197.6	187.4	177.2	166.6	155.4
142.5°	256.6	242.0	227.2	212.1	201.2	190.2	179.4	170.3	162.2	152.9	143.6
145°	228.5	214.6	201.3	187.7	178.7	169.4	160.6	152.8	145.9	138.5	130.9
147.5°	200.3	187.2	175.4	163.4	156.0	148.4	141.4	134.8	129.2	123.4	117.2
150°	171.9	159.7	149.6	139.0	133.1	126.9	121.7	116.3	112.0	107.5	102.6
152.5°	143.5	132.6	123.8	114.6	110.2	105.4	101.5	97.5	94.1	90.7	87.1
155°	114.9	105.6	98.1	90.2	87.0	83.5	80.6	78.1	75.5	73.1	70.6
157.5°	87.5	79.4	72.7	65.8	63.9	61.8	60.3	59.6	58.8	58.2	57.6
160°	77.4	71.2	65.0	58.8	57.2	55.6	54.0	53.4	52.6	51.9	51.3
162.5°	68.3	62.9	57.3	51.7	50.5	49.3	47.9	47.1	46.5	45.8	45.0
165°	59.2	54.5	49.6	44.7	43.8	42.9	41.8	40.9	40.3	39.7	39.0
167.5°	50.0	46.0	41.9	37.7	37.0	36.4	35.6	34.8	34.1	33.6	33.0
170°	40.7	37.4	34.1	30.6	30.2	29.8	29.3	28.7	28.1	27.6	27.1
172.5°	31.3	28.8	26.2	23.6	23.4	23.1	22.8	22.4	22.1	21.7	21.2
175°	21.8	20.1	18.3	16.6	16.5	16.3	16.2	16.0	15.8	15.5	15.3
177.5°	12.2	11.3	10.4	9.5	9.5	9.5	9.4	9.3	9.3	9.2	9.1
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	8.9	8.8	8.7	8.5	8.4	8.2	8.0	7.8	7.6	7.4	7.2
5°	15.0	14.7	14.4	14.1	13.7	13.4	13.0	12.6	12.2	11.8	11.3
7.5°	20.8	20.4	19.9	19.4	18.9	18.4	17.8	17.2	16.6	16.0	15.4
10°	26.6	26.0	25.5	24.8	24.1	23.6	22.9	22.3	21.6	20.8	20.0
12.5°	32.4	31.7	31.1	30.5	29.8	29.1	28.3	27.5	26.5	25.6	24.6
15°	38.3	37.7	37.0	36.3	35.5	34.6	33.5	32.5	31.4	30.2	29.0
17.5°	44.4	43.8	43.0	42.0	41.0	39.9	38.7	37.4	36.1	34.8	33.4
20°	50.6	49.8	48.8	47.6	46.4	45.1	43.8	42.4	40.8	39.1	37.4
22.5°	56.8	55.7	54.5	53.2	51.8	50.4	48.8	47.0	45.1	43.2	41.4
25°	67.7	64.7	61.7	58.7	57.2	55.4	53.4	51.4	49.5	47.6	45.7
27.5°	83.2	79.2	75.2	71.2	67.0	63.0	59.2	56.1	54.1	51.9	49.5
30°	97.6	92.4	87.3	81.9	76.6	71.7	67.3	63.3	59.6	56.2	53.1
32.5°	110.8	104.4	97.7	90.9	84.5	78.6	73.3	68.8	64.5	60.7	57.1
35°	123.0	115.0	106.5	98.3	90.6	83.9	78.2	73.0	68.4	64.2	60.7
37.5°	134.1	124.0	113.9	104.2	95.3	88.4	82.1	76.4	71.6	67.6	63.8
40°	144.1	131.9	120.0	108.5	99.8	91.9	85.1	79.3	74.8	70.7	66.9
42.5°	152.7	138.6	124.7	112.7	103.2	95.0	87.7	82.6	78.0	73.8	69.9
45°	160.5	144.1	128.0	116.5	106.3	97.2	91.0	85.7	81.2	77.0	73.0
47.5°	165.8	148.3	132.1	119.5	108.8	100.3	94.0	89.1	84.6	80.4	75.9
50°	167.7	150.6	136.4	123.7	111.9	103.7	97.5	92.5	88.2	83.6	78.8
52.5°	170.5	154.4	141.1	129.0	118.8	110.7	104.2	98.2	91.7	86.7	82.2
55°	174.4	159.8	146.7	134.9	125.9	118.8	113.0	107.7	99.9	92.4	85.7
57.5°	179.2	165.6	153.0	141.9	133.3	127.5	122.9	116.4	107.6	98.8	90.9
60°	184.9	171.8	159.8	149.7	142.0	136.9	133.5	124.5	114.1	104.0	95.0
62.5°	191.5	178.4	167.0	157.6	151.3	147.5	142.8	132.1	119.4	108.3	98.3
65°	198.4	185.7	174.8	165.7	160.9	158.8	151.2	138.1	124.1	111.9	101.2
67.5°	205.6	193.5	183.1	174.7	170.8	170.5	159.4	143.4	128.3	115.3	103.6
70°	208.1	198.1	189.7	183.8	182.1	180.8	167.2	148.1	132.1	118.4	105.7
72.5°	206.1	197.3	189.3	184.1	183.6	181.4	169.0	151.8	135.8	121.3	107.4
75°	204.5	196.8	189.2	184.2	183.6	179.1	167.7	153.5	138.6	123.6	109.5
77.5°	203.2	196.8	189.2	184.3	183.1	177.6	168.2	156.3	141.5	126.0	112.0
80°	202.3	197.0	189.3	184.2	182.4	176.7	170.1	160.2	144.8	129.0	114.8
82.5°	201.6	197.5	189.6	184.1	181.5	176.2	173.2	164.9	148.5	132.5	118.0
85°	201.2	198.1	190.1	184.1	180.5	176.2	177.1	170.4	152.7	136.5	121.7
87.5°	200.8	198.9	190.8	184.1	179.4	176.4	181.4	176.3	157.4	141.1	125.9
90°	200.6	199.8	191.6	184.2	178.4	176.8	185.8	182.6	162.8	146.4	130.7
92.5°	200.8	198.9	190.8	184.1	179.4	176.4	181.4	176.3	157.4	141.1	125.9
95°	201.2	198.1	190.1	184.1	180.5	176.2	177.1	170.4	152.7	136.5	121.7
97.5°	201.6	197.5	189.6	184.1	181.5	176.2	173.2	164.9	148.5	132.5	118.0
100°	202.3	197.0	189.3	184.2	182.4	176.7	170.1	160.2	144.8	129.0	114.8
102.5°	203.2	196.8	189.2	184.3	183.1	177.6	168.2	156.3	141.5	126.0	112.0
105°	204.5	196.8	189.2	184.2	183.6	179.1	167.7	153.5	138.6	123.6	109.5
107.5°	206.1	197.3	189.3	184.1	183.6	181.4	169.0	151.8	135.8	121.3	107.4
110°	208.1	198.1	189.7	183.8	182.1	180.8	167.2	148.1	132.1	118.4	105.7



TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	205.6	193.5	183.1	174.7	170.8	170.5	159.4	143.4	128.3	115.3	103.6
115°	198.4	185.7	174.8	165.7	160.9	158.8	151.2	138.1	124.1	111.9	101.2
117.5°	191.5	178.4	167.0	157.6	151.3	147.5	142.8	132.1	119.4	108.3	98.3
120°	184.9	171.8	159.8	149.7	142.0	136.9	133.5	124.5	114.1	104.0	95.0
122.5°	179.2	165.6	153.0	141.9	133.3	127.5	122.9	116.4	107.6	98.8	90.9
125°	174.4	159.8	146.7	134.9	125.9	118.8	113.0	107.7	99.9	92.4	85.7
127.5°	170.5	154.4	141.1	129.0	118.8	110.7	104.2	98.2	91.7	86.7	82.2
130°	167.7	150.6	136.4	123.7	111.9	103.7	97.5	92.5	88.2	83.6	78.8
132.5°	165.8	148.3	132.1	119.5	108.8	100.3	94.0	89.1	84.6	80.4	75.9
135°	160.5	144.1	128.0	116.5	106.3	97.2	91.0	85.7	81.2	77.0	73.0
137.5°	152.7	138.6	124.7	112.7	103.2	95.0	87.7	82.6	78.0	73.8	69.9
140°	144.1	131.9	120.0	108.5	99.8	91.9	85.1	79.3	74.8	70.7	66.9
142.5°	134.1	124.0	113.9	104.2	95.3	88.4	82.1	76.4	71.6	67.6	63.8
145°	123.0	115.0	106.5	98.3	90.6	83.9	78.2	73.0	68.4	64.2	60.7
147.5°	110.8	104.4	97.7	90.9	84.5	78.6	73.3	68.8	64.5	60.7	57.1
150°	97.6	92.4	87.3	81.9	76.6	71.7	67.3	63.3	59.6	56.2	53.1
152.5°	83.2	79.2	75.2	71.2	67.0	63.0	59.2	56.1	54.1	51.9	49.5
155°	67.7	64.7	61.7	58.7	57.2	55.4	53.4	51.4	49.5	47.6	45.7
157.5°	56.8	55.7	54.5	53.2	51.8	50.4	48.8	47.0	45.1	43.2	41.4
160°	50.6	49.8	48.8	47.6	46.4	45.1	43.8	42.4	40.8	39.1	37.4
162.5°	44.4	43.8	43.0	42.0	41.0	39.9	38.7	37.4	36.1	34.8	33.4
165°	38.3	37.7	37.0	36.3	35.5	34.6	33.5	32.5	31.4	30.2	29.0
167.5°	32.4	31.7	31.1	30.5	29.8	29.1	28.3	27.5	26.5	25.6	24.6
170°	26.6	26.0	25.5	24.8	24.1	23.6	22.9	22.3	21.6	20.8	20.0
172.5°	20.8	20.4	19.9	19.4	18.9	18.4	17.8	17.2	16.6	16.0	15.4
175°	15.0	14.7	14.4	14.1	13.7	13.4	13.0	12.6	12.2	11.8	11.3
177.5°	8.9	8.8	8.7	8.5	8.4	8.2	8.0	7.8	7.6	7.4	7.2
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	7.0	6.8	6.5	6.3	6.0	5.8	5.5	5.3	5.0	4.7	4.5
5°	10.9	10.4	9.9	9.4	8.9	8.3	7.8	7.3	6.7	6.2	5.6
7.5°	14.8	14.2	13.5	12.8	12.1	11.4	10.6	9.9	9.1	8.3	7.5
10°	19.2	18.4	17.5	16.5	15.6	14.6	13.6	12.6	11.5	10.5	9.4
12.5°	23.5	22.4	21.3	20.1	18.9	17.7	16.5	15.2	13.9	12.6	11.3
15°	27.7	26.4	25.1	23.7	22.3	20.8	19.2	17.7	16.1	14.6	13.0
17.5°	31.8	30.2	28.6	26.9	25.2	23.5	21.8	20.1	18.3	16.5	14.7
20°	35.6	33.8	32.1	30.3	28.4	26.5	24.6	22.6	20.5	18.5	16.4
22.5°	39.6	37.7	35.7	33.6	31.4	29.2	27.0	24.8	22.5	20.2	17.9
25°	43.5	41.2	38.9	36.6	34.2	31.8	29.3	26.9	24.4	21.9	19.4
27.5°	47.0	44.5	42.0	39.4	36.8	34.2	31.6	28.9	26.3	23.5	20.8
30°	50.5	47.8	45.0	42.3	39.5	36.6	33.8	30.9	28.0	25.0	22.1
32.5°	54.0	50.9	48.0	45.0	42.0	38.9	35.7	32.5	29.3	26.2	23.0
35°	57.3	54.0	50.8	47.5	44.1	40.6	37.2	33.8	30.5	27.2	24.0
37.5°	60.3	56.8	53.2	49.6	45.8	42.2	38.6	35.3	31.9	28.6	25.0
40°	63.1	59.4	55.5	51.5	47.7	44.1	40.5	36.6	32.7	28.9	25.3
42.5°	66.0	61.8	57.6	53.8	50.0	45.7	41.2	37.0	33.2	29.4	25.8
45°	68.6	64.3	60.4	56.2	51.5	46.8	42.3	37.9	33.8	29.9	26.1
47.5°	71.4	67.2	62.7	57.8	52.9	48.1	43.5	38.9	34.4	30.4	26.6
50°	74.5	69.8	64.7	59.5	54.5	49.6	44.7	39.8	35.2	31.0	27.3
52.5°	77.3	72.1	66.6	61.3	56.2	50.9	45.6	40.8	36.3	31.8	27.5
55°	80.1	74.3	68.7	63.4	57.5	51.8	46.7	41.8	37.0	32.4	28.0
57.5°	83.5	76.6	71.0	64.8	58.6	53.0	47.8	42.7	37.8	33.1	28.3
60°	86.7	79.5	72.7	65.9	59.9	54.3	48.9	43.5	38.2	32.9	28.3
62.5°	89.4	81.4	73.6	66.9	61.1	55.7	49.7	43.7	38.0	33.0	28.3
65°	91.5	82.5	74.4	67.4	61.4	55.7	50.0	43.6	38.0	32.5	27.2
67.5°	93.0	83.6	75.0	67.7	61.1	54.7	48.6	43.4	37.5	31.5	26.1
70°	94.4	84.4	75.5	67.7	60.4	53.3	47.0	41.3	36.0	30.4	24.7
72.5°	95.8	85.3	75.9	67.5	59.5	51.9	45.1	39.1	33.1	28.0	23.3
75°	97.4	86.2	76.2	67.2	58.5	50.4	43.4	36.6	30.2	25.1	21.4
77.5°	99.3	87.3	76.6	66.9	57.7	49.0	41.9	33.8	27.8	22.9	19.0
80°	101.3	88.7	77.1	66.3	56.2	47.4	39.6	31.8	25.8	20.7	16.3
82.5°	103.6	90.2	77.7	65.9	54.8	45.5	37.1	30.0	24.3	18.9	13.8
85°	106.3	92.2	78.7	65.8	53.8	43.8	35.5	28.7	23.5	18.6	13.6
87.5°	109.6	94.7	80.1	66.2	53.3	42.5	34.6	28.1	23.3	19.2	14.6
90°	113.5	97.9	82.2	67.4	53.5	41.9	34.5	28.0	23.8	20.6	16.4
92.5°	109.6	94.7	80.1	66.2	53.3	42.5	34.6	28.1	23.3	19.2	14.6
95°	106.3	92.2	78.7	65.8	53.8	43.8	35.5	28.7	23.5	18.6	13.6
97.5°	103.6	90.2	77.7	65.9	54.8	45.5	37.1	30.0	24.3	18.9	13.8
100°	101.3	88.7	77.1	66.3	56.2	47.4	39.6	31.8	25.8	20.7	16.3
102.5°	99.3	87.3	76.6	66.9	57.7	49.0	41.9	33.8	27.8	22.9	19.0
105°	97.4	86.2	76.2	67.2	58.5	50.4	43.4	36.6	30.2	25.1	21.4
107.5°	95.8	85.3	75.9	67.5	59.5	51.9	45.1	39.1	33.1	28.0	23.3
110°	94.4	84.4	75.5	67.7	60.4	53.3	47.0	41.3	36.0	30.4	24.7





TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-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°	93.0	83.6	75.0	67.7	61.1	54.7	48.6	43.4	37.5	31.5	26.1
115°	91.5	82.5	74.4	67.4	61.4	55.7	50.0	43.6	38.0	32.5	27.2
117.5°	89.4	81.4	73.6	66.9	61.1	55.7	49.7	43.7	38.0	33.0	28.3
120°	86.7	79.5	72.7	65.9	59.9	54.3	48.9	43.5	38.2	32.9	28.3
122.5°	83.5	76.6	71.0	64.8	58.6	53.0	47.8	42.7	37.8	33.1	28.3
125°	80.1	74.3	68.7	63.4	57.5	51.8	46.7	41.8	37.0	32.4	28.0
127.5°	77.3	72.1	66.6	61.3	56.2	50.9	45.6	40.8	36.3	31.8	27.5
130°	74.5	69.8	64.7	59.5	54.5	49.6	44.7	39.8	35.2	31.0	27.3
132.5°	71.4	67.2	62.7	57.8	52.9	48.1	43.5	38.9	34.4	30.4	26.6
135°	68.6	64.3	60.4	56.2	51.5	46.8	42.3	37.9	33.8	29.9	26.1
137.5°	66.0	61.8	57.6	53.8	50.0	45.7	41.2	37.0	33.2	29.4	25.8
140°	63.1	59.4	55.5	51.5	47.7	44.1	40.5	36.6	32.7	28.9	25.3
142.5°	60.3	56.8	53.2	49.6	45.8	42.2	38.6	35.3	31.9	28.6	25.0
145°	57.3	54.0	50.8	47.5	44.1	40.6	37.2	33.8	30.5	27.2	24.0
147.5°	54.0	50.9	48.0	45.0	42.0	38.9	35.7	32.5	29.3	26.2	23.0
150°	50.5	47.8	45.0	42.3	39.5	36.6	33.8	30.9	28.0	25.0	22.1
152.5°	47.0	44.5	42.0	39.4	36.8	34.2	31.6	28.9	26.3	23.5	20.8
155°	43.5	41.2	38.9	36.6	34.2	31.8	29.3	26.9	24.4	21.9	19.4
157.5°	39.6	37.7	35.7	33.6	31.4	29.2	27.0	24.8	22.5	20.2	17.9
160°	35.6	33.8	32.1	30.3	28.4	26.5	24.6	22.6	20.5	18.5	16.4
162.5°	31.8	30.2	28.6	26.9	25.2	23.5	21.8	20.1	18.3	16.5	14.7
165°	27.7	26.4	25.1	23.7	22.3	20.8	19.2	17.7	16.1	14.6	13.0
167.5°	23.5	22.4	21.3	20.1	18.9	17.7	16.5	15.2	13.9	12.6	11.3
170°	19.2	18.4	17.5	16.5	15.6	14.6	13.6	12.6	11.5	10.5	9.4
172.5°	14.8	14.2	13.5	12.8	12.1	11.4	10.6	9.9	9.1	8.3	7.5
175°	10.9	10.4	9.9	9.4	8.9	8.3	7.8	7.3	6.7	6.2	5.6
177.5°	7.0	6.8	6.5	6.3	6.0	5.8	5.5	5.3	5.0	4.7	4.5
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	4.2	3.9	3.6	3.3	3.1	2.8	2.5	2.8	3.1	3.3	3.6
5°	5.0	4.5	3.9	3.3	2.7	2.2	1.6	2.2	2.7	3.3	3.9
7.5°	6.7	5.8	5.0	4.2	3.3	2.5	1.6	2.5	3.3	4.2	5.0
10°	8.3	7.2	6.1	5.0	3.9	2.7	1.6	2.7	3.9	5.0	6.1
12.5°	9.9	8.5	7.2	5.8	4.4	3.0	1.6	3.0	4.4	5.8	7.2
15°	11.4	9.8	8.1	6.5	4.9	3.2	1.6	3.2	4.9	6.5	8.1
17.5°	12.9	11.0	9.2	7.3	5.4	3.5	1.6	3.5	5.4	7.3	9.2
20°	14.3	12.2	10.1	8.0	5.9	3.7	1.6	3.7	5.9	8.0	10.1
22.5°	15.6	13.3	11.0	8.6	6.3	3.9	1.6	3.9	6.3	8.6	11.0
25°	16.9	14.4	11.8	9.3	6.7	4.2	1.6	4.2	6.7	9.3	11.8
27.5°	18.1	15.4	12.6	9.9	7.1	4.4	1.6	4.4	7.1	9.9	12.6
30°	19.1	16.2	13.2	10.3	7.4	4.5	1.6	4.5	7.4	10.3	13.2
32.5°	19.9	16.8	13.8	10.7	7.7	4.6	1.6	4.6	7.7	10.7	13.8
35°	20.8	17.6	14.4	11.2	8.0	4.8	1.6	4.8	8.0	11.2	14.4
37.5°	21.5	18.1	14.7	11.4	8.1	4.8	1.6	4.8	8.1	11.4	14.7
40°	21.8	18.3	14.9	11.5	8.2	4.9	1.6	4.9	8.2	11.5	14.9
42.5°	22.2	18.6	15.1	11.7	8.3	5.0	1.6	5.0	8.3	11.7	15.1
45°	22.5	19.0	15.6	12.3	9.0	5.8	2.5	5.8	9.0	12.3	15.6
47.5°	23.1	19.6	16.1	12.7	9.3	5.9	2.5	5.9	9.3	12.7	16.1
50°	23.6	19.9	16.3	12.7	9.3	5.9	2.5	5.9	9.3	12.7	16.3
52.5°	23.6	20.0	16.4	12.9	9.4	5.9	2.5	5.9	9.4	12.9	16.4
55°	24.1	20.2	16.4	12.8	9.3	5.9	2.5	5.9	9.3	12.8	16.4
57.5°	23.9	20.0	16.4	12.9	9.4	5.9	2.5	5.9	9.4	12.9	16.4
60°	24.2	20.2	16.1	12.4	8.9	5.7	2.5	5.7	8.9	12.4	16.1
62.5°	23.5	18.9	15.2	11.8	8.5	5.5	2.5	5.5	8.5	11.8	15.2
65°	22.4	18.2	14.5	11.3	8.5	5.8	3.3	5.8	8.5	11.3	14.5
67.5°	21.3	17.2	13.6	10.5	7.6	5.0	2.5	5.0	7.6	10.5	13.6
70°	19.9	16.0	12.5	9.8	7.4	5.3	3.3	5.3	7.4	9.8	12.5
72.5°	18.9	15.2	12.1	8.9	6.6	4.8	3.3	4.8	6.6	8.9	12.1
75°	18.4	14.7	11.3	7.9	5.7	4.4	3.3	4.4	5.7	7.9	11.3
77.5°	16.3	14.7	10.5	6.2	2.2	0.4	0.0	0.4	2.2	6.2	10.5
80°	13.5	11.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
82.5°	10.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	8.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	8.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.5	11.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
102.5°	16.3	14.7	10.5	6.2	2.2	0.4	0.0	0.4	2.2	6.2	10.5
105°	18.4	14.7	11.3	7.9	5.7	4.4	3.3	4.4	5.7	7.9	11.3
107.5°	18.9	15.2	12.1	8.9	6.6	4.8	3.3	4.8	6.6	8.9	12.1
110°	19.9	16.0	12.5	9.8	7.4	5.3	3.3	5.3	7.4	9.8	12.5



TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	21.3	17.2	13.6	10.5	7.6	5.0	2.5	5.0	7.6	10.5	13.6
115°	22.4	18.2	14.5	11.3	8.5	5.8	3.3	5.8	8.5	11.3	14.5
117.5°	23.5	18.9	15.2	11.8	8.5	5.5	2.5	5.5	8.5	11.8	15.2
120°	24.2	20.2	16.1	12.4	8.9	5.7	2.5	5.7	8.9	12.4	16.1
122.5°	23.9	20.0	16.4	12.9	9.4	5.9	2.5	5.9	9.4	12.9	16.4
125°	24.1	20.2	16.4	12.8	9.3	5.9	2.5	5.9	9.3	12.8	16.4
127.5°	23.6	20.0	16.4	12.9	9.4	5.9	2.5	5.9	9.4	12.9	16.4
130°	23.6	19.9	16.3	12.7	9.3	5.9	2.5	5.9	9.3	12.7	16.3
132.5°	23.1	19.6	16.1	12.7	9.3	5.9	2.5	5.9	9.3	12.7	16.1
135°	22.5	19.0	15.6	12.3	9.0	5.8	2.5	5.8	9.0	12.3	15.6
137.5°	22.2	18.6	15.1	11.7	8.3	5.0	1.6	5.0	8.3	11.7	15.1
140°	21.8	18.3	14.9	11.5	8.2	4.9	1.6	4.9	8.2	11.5	14.9
142.5°	21.5	18.1	14.7	11.4	8.1	4.8	1.6	4.8	8.1	11.4	14.7
145°	20.8	17.6	14.4	11.2	8.0	4.8	1.6	4.8	8.0	11.2	14.4
147.5°	19.9	16.8	13.8	10.7	7.7	4.6	1.6	4.6	7.7	10.7	13.8
150°	19.1	16.2	13.2	10.3	7.4	4.5	1.6	4.5	7.4	10.3	13.2
152.5°	18.1	15.4	12.6	9.9	7.1	4.4	1.6	4.4	7.1	9.9	12.6
155°	16.9	14.4	11.8	9.3	6.7	4.2	1.6	4.2	6.7	9.3	11.8
157.5°	15.6	13.3	11.0	8.6	6.3	3.9	1.6	3.9	6.3	8.6	11.0
160°	14.3	12.2	10.1	8.0	5.9	3.7	1.6	3.7	5.9	8.0	10.1
162.5°	12.9	11.0	9.2	7.3	5.4	3.5	1.6	3.5	5.4	7.3	9.2
165°	11.4	9.8	8.1	6.5	4.9	3.2	1.6	3.2	4.9	6.5	8.1
167.5°	9.9	8.5	7.2	5.8	4.4	3.0	1.6	3.0	4.4	5.8	7.2
170°	8.3	7.2	6.1	5.0	3.9	2.7	1.6	2.7	3.9	5.0	6.1
172.5°	6.7	5.8	5.0	4.2	3.3	2.5	1.6	2.5	3.3	4.2	5.0
175°	5.0	4.5	3.9	3.3	2.7	2.2	1.6	2.2	2.7	3.3	3.9
177.5°	4.2	3.9	3.6	3.3	3.1	2.8	2.5	2.8	3.1	3.3	3.6
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	3.9	4.2	4.5	4.7	5.0	5.3	5.5	5.8	6.0	6.3	6.5
5°	4.5	5.0	5.6	6.2	6.7	7.3	7.8	8.3	8.9	9.4	9.9
7.5°	5.8	6.7	7.5	8.3	9.1	9.9	10.6	11.4	12.1	12.8	13.5
10°	7.2	8.3	9.4	10.5	11.5	12.6	13.6	14.6	15.6	16.5	17.5
12.5°	8.5	9.9	11.3	12.6	13.9	15.2	16.5	17.7	18.9	20.1	21.3
15°	9.8	11.4	13.0	14.6	16.1	17.7	19.2	20.8	22.3	23.7	25.1
17.5°	11.0	12.9	14.7	16.5	18.3	20.1	21.8	23.5	25.2	26.9	28.6
20°	12.2	14.3	16.4	18.5	20.5	22.6	24.6	26.5	28.4	30.3	32.1
22.5°	13.3	15.6	17.9	20.2	22.5	24.8	27.0	29.2	31.4	33.6	35.7
25°	14.4	16.9	19.4	21.9	24.4	26.9	29.3	31.8	34.2	36.6	38.9
27.5°	15.4	18.1	20.8	23.5	26.3	28.9	31.6	34.2	36.8	39.4	42.0
30°	16.2	19.1	22.1	25.0	28.0	30.9	33.8	36.6	39.5	42.3	45.0
32.5°	16.8	19.9	23.0	26.2	29.3	32.5	35.7	38.9	42.0	45.0	48.0
35°	17.6	20.8	24.0	27.2	30.5	33.8	37.2	40.6	44.1	47.5	50.8
37.5°	18.1	21.5	25.0	28.6	31.9	35.3	38.6	42.2	45.8	49.6	53.2
40°	18.3	21.8	25.3	28.9	32.7	36.6	40.5	44.1	47.7	51.5	55.5
42.5°	18.6	22.2	25.8	29.4	33.2	37.0	41.2	45.7	50.0	53.8	57.6
45°	19.0	22.5	26.1	29.9	33.8	37.9	42.3	46.8	51.5	56.2	60.4
47.5°	19.6	23.1	26.6	30.4	34.4	38.9	43.5	48.1	52.9	57.8	62.7
50°	19.9	23.6	27.3	31.0	35.2	39.8	44.7	49.6	54.5	59.5	64.7
52.5°	20.0	23.6	27.5	31.8	36.3	40.8	45.6	50.9	56.2	61.3	66.6
55°	20.2	24.1	28.0	32.4	37.0	41.8	46.7	51.8	57.5	63.4	68.7
57.5°	20.0	23.9	28.3	33.1	37.8	42.7	47.8	53.0	58.6	64.8	71.0
60°	20.2	24.2	28.3	32.9	38.2	43.5	48.9	54.3	59.9	65.9	72.7
62.5°	18.9	23.5	28.3	33.0	38.0	43.7	49.7	55.7	61.1	66.9	73.6
65°	18.2	22.4	27.2	32.5	38.0	43.6	50.0	55.7	61.4	67.4	74.4
67.5°	17.2	21.3	26.1	31.5	37.5	43.4	48.6	54.7	61.1	67.7	75.0
70°	16.0	19.9	24.7	30.4	36.0	41.3	47.0	53.3	60.4	67.7	75.5
72.5°	15.2	18.9	23.3	28.0	33.1	39.1	45.1	51.9	59.5	67.5	75.9
75°	14.7	18.4	21.4	25.1	30.2	36.6	43.4	50.4	58.5	67.2	76.2
77.5°	14.7	16.3	19.0	22.9	27.8	33.8	41.9	49.0	57.7	66.9	76.6
80°	11.1	13.5	16.3	20.7	25.8	31.8	39.6	47.4	56.2	66.3	77.1
82.5°	6.3	10.1	13.8	18.9	24.3	30.0	37.1	45.5	54.8	65.9	77.7
85°	2.2	8.1	13.6	18.6	23.5	28.7	35.5	43.8	53.8	65.8	78.7
87.5°	0.8	8.6	14.6	19.2	23.3	28.1	34.6	42.5	53.3	66.2	80.1
90°	0.0	9.9	16.4	20.6	23.8	28.0	34.5	41.9	53.5	67.4	82.2
92.5°	0.8	8.6	14.6	19.2	23.3	28.1	34.6	42.5	53.3	66.2	80.1
95°	2.2	8.1	13.6	18.6	23.5	28.7	35.5	43.8	53.8	65.8	78.7
97.5°	6.3	10.1	13.8	18.9	24.3	30.0	37.1	45.5	54.8	65.9	77.7
100°	11.1	13.5	16.3	20.7	25.8	31.8	39.6	47.4	56.2	66.3	77.1
102.5°	14.7	16.3	19.0	22.9	27.8	33.8	41.9	49.0	57.7	66.9	76.6
105°	14.7	18.4	21.4	25.1	30.2	36.6	43.4	50.4	58.5	67.2	76.2
107.5°	15.2	18.9	23.3	28.0	33.1	39.1	45.1	51.9	59.5	67.5	75.9
110°	16.0	19.9	24.7	30.4	36.0	41.3	47.0	53.3	60.4	67.7	75.5



TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-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°	17.2	21.3	26.1	31.5	37.5	43.4	48.6	54.7	61.1	67.7	75.0
115°	18.2	22.4	27.2	32.5	38.0	43.6	50.0	55.7	61.4	67.4	74.4
117.5°	18.9	23.5	28.3	33.0	38.0	43.7	49.7	55.7	61.1	66.9	73.6
120°	20.2	24.2	28.3	32.9	38.2	43.5	48.9	54.3	59.9	65.9	72.7
122.5°	20.0	23.9	28.3	33.1	37.8	42.7	47.8	53.0	58.6	64.8	71.0
125°	20.2	24.1	28.0	32.4	37.0	41.8	46.7	51.8	57.5	63.4	68.7
127.5°	20.0	23.6	27.5	31.8	36.3	40.8	45.6	50.9	56.2	61.3	66.6
130°	19.9	23.6	27.3	31.0	35.2	39.8	44.7	49.6	54.5	59.5	64.7
132.5°	19.6	23.1	26.6	30.4	34.4	38.9	43.5	48.1	52.9	57.8	62.7
135°	19.0	22.5	26.1	29.9	33.8	37.9	42.3	46.8	51.5	56.2	60.4
137.5°	18.6	22.2	25.8	29.4	33.2	37.0	41.2	45.7	50.0	53.8	57.6
140°	18.3	21.8	25.3	28.9	32.7	36.6	40.5	44.1	47.7	51.5	55.5
142.5°	18.1	21.5	25.0	28.6	31.9	35.3	38.6	42.2	45.8	49.6	53.2
145°	17.6	20.8	24.0	27.2	30.5	33.8	37.2	40.6	44.1	47.5	50.8
147.5°	16.8	19.9	23.0	26.2	29.3	32.5	35.7	38.9	42.0	45.0	48.0
150°	16.2	19.1	22.1	25.0	28.0	30.9	33.8	36.6	39.5	42.3	45.0
152.5°	15.4	18.1	20.8	23.5	26.3	28.9	31.6	34.2	36.8	39.4	42.0
155°	14.4	16.9	19.4	21.9	24.4	26.9	29.3	31.8	34.2	36.6	38.9
157.5°	13.3	15.6	17.9	20.2	22.5	24.8	27.0	29.2	31.4	33.6	35.7
160°	12.2	14.3	16.4	18.5	20.5	22.6	24.6	26.5	28.4	30.3	32.1
162.5°	11.0	12.9	14.7	16.5	18.3	20.1	21.8	23.5	25.2	26.9	28.6
165°	9.8	11.4	13.0	14.6	16.1	17.7	19.2	20.8	22.3	23.7	25.1
167.5°	8.5	9.9	11.3	12.6	13.9	15.2	16.5	17.7	18.9	20.1	21.3
170°	7.2	8.3	9.4	10.5	11.5	12.6	13.6	14.6	15.6	16.5	17.5
172.5°	5.8	6.7	7.5	8.3	9.1	9.9	10.6	11.4	12.1	12.8	13.5
175°	4.5	5.0	5.6	6.2	6.7	7.3	7.8	8.3	8.9	9.4	9.9
177.5°	3.9	4.2	4.5	4.7	5.0	5.3	5.5	5.8	6.0	6.3	6.5
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7
5°	10.4	10.9	11.3	11.8	12.2	12.6	13.0	13.4	13.7	14.1	14.4
7.5°	14.2	14.8	15.4	16.0	16.6	17.2	17.8	18.4	18.9	19.4	19.9
10°	18.4	19.2	20.0	20.8	21.6	22.3	22.9	23.6	24.1	24.8	25.5
12.5°	22.4	23.5	24.6	25.6	26.5	27.5	28.3	29.1	29.8	30.5	31.1
15°	26.4	27.7	29.0	30.2	31.4	32.5	33.5	34.6	35.5	36.3	37.0
17.5°	30.2	31.8	33.4	34.8	36.1	37.4	38.7	39.9	41.0	42.0	43.0
20°	33.8	35.6	37.4	39.1	40.8	42.4	43.8	45.1	46.4	47.6	48.8
22.5°	37.7	39.6	41.4	43.2	45.1	47.0	48.8	50.4	51.8	53.2	54.5
25°	41.2	43.5	45.7	47.6	49.5	51.4	53.4	55.4	57.2	58.7	61.7
27.5°	44.5	47.0	49.5	51.9	54.1	56.1	59.2	63.0	67.0	71.2	75.2
30°	47.8	50.5	53.1	56.2	59.6	63.3	67.3	71.7	76.6	81.9	87.3
32.5°	50.9	54.0	57.1	60.7	64.5	68.8	73.3	78.6	84.5	90.9	97.7
35°	54.0	57.3	60.7	64.2	68.4	73.0	78.2	83.9	90.6	98.3	106.5
37.5°	56.8	60.3	63.8	67.6	71.6	76.4	82.1	88.4	95.3	104.2	113.9
40°	59.4	63.1	66.9	70.7	74.8	79.3	85.1	91.9	99.8	108.5	120.0
42.5°	61.8	66.0	69.9	73.8	78.0	82.6	87.7	95.0	103.2	112.7	124.7
45°	64.3	68.6	73.0	77.0	81.2	85.7	91.0	97.2	106.3	116.5	128.0
47.5°	67.2	71.4	75.9	80.4	84.6	89.1	94.0	100.3	108.8	119.5	132.1
50°	69.8	74.5	78.8	83.6	88.2	92.5	97.5	103.7	111.9	123.7	136.4
52.5°	72.1	77.3	82.2	86.7	91.7	98.2	104.2	110.7	118.8	129.0	141.1
55°	74.3	80.1	85.7	92.4	99.9	107.7	113.0	118.8	125.9	134.9	146.7
57.5°	76.6	83.5	90.9	98.8	107.6	116.4	122.9	127.5	133.3	141.9	153.0
60°	79.5	86.7	95.0	104.0	114.1	124.5	133.5	136.9	142.0	149.7	159.8
62.5°	81.4	89.4	98.3	108.3	119.4	132.1	142.8	147.5	151.3	157.6	167.0
65°	82.5	91.5	101.2	111.9	124.1	138.1	151.2	158.8	160.9	165.7	174.8
67.5°	83.6	93.0	103.6	115.3	128.3	143.4	159.4	170.5	170.8	174.7	183.1
70°	84.4	94.4	105.7	118.4	132.1	148.1	167.2	180.8	182.1	183.8	189.7
72.5°	85.3	95.8	107.4	121.3	135.8	151.8	169.0	181.4	183.6	184.1	189.3
75°	86.2	97.4	109.5	123.6	138.6	153.5	167.7	179.1	183.6	184.2	189.2
77.5°	87.3	99.3	112.0	126.0	141.5	156.3	168.2	177.6	183.1	184.3	189.2
80°	88.7	101.3	114.8	129.0	144.8	160.2	170.1	176.7	182.4	184.2	189.3
82.5°	90.2	103.6	118.0	132.5	148.5	164.9	173.2	176.2	181.5	184.1	189.6
85°	92.2	106.3	121.7	136.5	152.7	170.4	177.1	176.2	180.5	184.1	190.1
87.5°	94.7	109.6	125.9	141.1	157.4	176.3	181.4	176.4	179.4	184.1	190.8
90°	97.9	113.5	130.7	146.4	162.8	182.6	185.8	176.8	178.4	184.2	191.6
92.5°	94.7	109.6	125.9	141.1	157.4	176.3	181.4	176.4	179.4	184.1	190.8
95°	92.2	106.3	121.7	136.5	152.7	170.4	177.1	176.2	180.5	184.1	190.1
97.5°	90.2	103.6	118.0	132.5	148.5	164.9	173.2	176.2	181.5	184.1	189.6
100°	88.7	101.3	114.8	129.0	144.8	160.2	170.1	176.7	182.4	184.2	189.3
102.5°	87.3	99.3	112.0	126.0	141.5	156.3	168.2	177.6	183.1	184.3	189.2
105°	86.2	97.4	109.5	123.6	138.6	153.5	167.7	179.1	183.6	184.2	189.2
107.5°	85.3	95.8	107.4	121.3	135.8	151.8	169.0	181.4	183.6	184.1	189.3
110°	84.4	94.4	105.7	118.4	132.1	148.1	167.2	180.8	182.1	183.8	189.7



TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	83.6	93.0	103.6	115.3	128.3	143.4	159.4	170.5	170.8	174.7	183.1
115°	82.5	91.5	101.2	111.9	124.1	138.1	151.2	158.8	160.9	165.7	174.8
117.5°	81.4	89.4	98.3	108.3	119.4	132.1	142.8	147.5	151.3	157.6	167.0
120°	79.5	86.7	95.0	104.0	114.1	124.5	133.5	136.9	142.0	149.7	159.8
122.5°	76.6	83.5	90.9	98.8	107.6	116.4	122.9	127.5	133.3	141.9	153.0
125°	74.3	80.1	85.7	92.4	99.9	107.7	113.0	118.8	125.9	134.9	146.7
127.5°	72.1	77.3	82.2	86.7	91.7	98.2	104.2	110.7	118.8	129.0	141.1
130°	69.8	74.5	78.8	83.6	88.2	92.5	97.5	103.7	111.9	123.7	136.4
132.5°	67.2	71.4	75.9	80.4	84.6	89.1	94.0	100.3	108.8	119.5	132.1
135°	64.3	68.6	73.0	77.0	81.2	85.7	91.0	97.2	106.3	116.5	128.0
137.5°	61.8	66.0	69.9	73.8	78.0	82.6	87.7	95.0	103.2	112.7	124.7
140°	59.4	63.1	66.9	70.7	74.8	79.3	85.1	91.9	99.8	108.5	120.0
142.5°	56.8	60.3	63.8	67.6	71.6	76.4	82.1	88.4	95.3	104.2	113.9
145°	54.0	57.3	60.7	64.2	68.4	73.0	78.2	83.9	90.6	98.3	106.5
147.5°	50.9	54.0	57.1	60.7	64.5	68.8	73.3	78.6	84.5	90.9	97.7
150°	47.8	50.5	53.1	56.2	59.6	63.3	67.3	71.7	76.6	81.9	87.3
152.5°	44.5	47.0	49.5	51.9	54.1	56.1	59.2	63.0	67.0	71.2	75.2
155°	41.2	43.5	45.7	47.6	49.5	51.4	53.4	55.4	57.2	58.7	61.7
157.5°	37.7	39.6	41.4	43.2	45.1	47.0	48.8	50.4	51.8	53.2	54.5
160°	33.8	35.6	37.4	39.1	40.8	42.4	43.8	45.1	46.4	47.6	48.8
162.5°	30.2	31.8	33.4	34.8	36.1	37.4	38.7	39.9	41.0	42.0	43.0
165°	26.4	27.7	29.0	30.2	31.4	32.5	33.5	34.6	35.5	36.3	37.0
167.5°	22.4	23.5	24.6	25.6	26.5	27.5	28.3	29.1	29.8	30.5	31.1
170°	18.4	19.2	20.0	20.8	21.6	22.3	22.9	23.6	24.1	24.8	25.5
172.5°	14.2	14.8	15.4	16.0	16.6	17.2	17.8	18.4	18.9	19.4	19.9
175°	10.4	10.9	11.3	11.8	12.2	12.6	13.0	13.4	13.7	14.1	14.4
177.5°	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.5	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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	8.8	8.9	9.1	9.2	9.3	9.3	9.4	9.5	9.5	9.5	10.4
5°	14.7	15.0	15.3	15.5	15.8	16.0	16.2	16.3	16.5	16.6	18.3
7.5°	20.4	20.8	21.2	21.7	22.1	22.4	22.8	23.1	23.4	23.6	26.2
10°	26.0	26.6	27.1	27.6	28.1	28.7	29.3	29.8	30.2	30.6	34.1
12.5°	31.7	32.4	33.0	33.6	34.1	34.8	35.6	36.4	37.0	37.7	41.9
15°	37.7	38.3	39.0	39.7	40.3	40.9	41.8	42.9	43.8	44.7	49.6
17.5°	43.8	44.4	45.0	45.8	46.5	47.1	47.9	49.3	50.5	51.7	57.3
20°	49.8	50.6	51.3	51.9	52.6	53.4	54.0	55.6	57.2	58.8	65.0
22.5°	55.7	56.8	57.6	58.2	58.8	59.6	60.3	61.8	63.9	65.8	72.7
25°	64.7	67.7	70.6	73.1	75.5	78.1	80.6	83.5	87.0	90.2	98.1
27.5°	79.2	83.2	87.1	90.7	94.1	97.5	101.5	105.4	110.2	114.6	123.8
30°	92.4	97.6	102.6	107.5	112.0	116.3	121.7	126.9	133.1	139.0	149.6
32.5°	104.4	110.8	117.2	123.4	129.2	134.8	141.4	148.4	156.0	163.4	175.4
35°	115.0	123.0	130.9	138.5	145.9	152.8	160.6	169.4	178.7	187.7	201.3
37.5°	124.0	134.1	143.6	152.9	162.2	170.3	179.4	190.2	201.2	212.1	227.2
40°	131.9	144.1	155.4	166.6	177.2	187.4	197.6	210.6	223.7	236.5	253.2
42.5°	138.6	152.7	166.5	180.1	192.0	204.0	215.9	230.8	246.0	260.9	279.3
45°	144.1	160.5	176.8	191.9	206.3	220.3	233.6	250.7	268.2	285.3	305.4
47.5°	148.3	165.8	182.3	197.3	211.6	225.5	239.6	257.4	277.0	297.0	318.5
50°	150.6	167.7	183.7	198.9	213.6	228.3	244.1	263.4	285.5	308.7	331.5
52.5°	154.4	170.5	186.0	200.9	215.6	231.2	248.4	269.3	293.8	320.4	344.4
55°	159.8	174.4	189.1	203.3	217.9	234.0	252.6	275.1	302.0	332.1	357.3
57.5°	165.6	179.2	193.0	206.1	220.5	237.0	256.6	280.8	310.1	343.8	370.3
60°	171.8	184.9	198.2	209.7	223.4	239.9	260.5	286.4	318.2	355.5	383.2
62.5°	178.4	191.5	203.0	213.8	226.6	243.0	264.3	291.9	326.1	367.2	396.0
65°	185.7	198.4	209.0	218.5	230.1	246.2	268.1	297.4	334.1	378.9	408.8
67.5°	193.5	205.6	215.7	223.7	233.8	249.4	271.8	303.0	341.9	390.6	421.6
70°	198.1	208.1	216.9	223.5	232.3	247.1	269.2	300.6	339.7	389.6	425.6
72.5°	197.3	206.1	214.7	221.1	229.5	244.2	266.3	298.1	337.6	388.6	429.6
75°	196.8	204.5	212.7	218.9	226.9	241.4	263.6	295.8	335.4	387.6	435.2
77.5°	196.8	203.2	210.8	216.7	224.4	238.7	261.0	293.7	333.4	386.6	438.9
80°	197.0	202.3	209.1	214.7	222.0	236.2	258.6	291.7	331.5	385.6	442.6
82.5°	197.5	201.6	207.4	212.7	219.7	233.9	256.4	289.9	329.7	384.6	446.2
85°	198.1	201.2	205.9	210.8	217.6	231.7	254.3	288.2	327.9	383.6	449.9
87.5°	198.9	200.8	204.5	208.9	215.6	229.6	252.5	286.7	326.3	382.6	453.5
90°	199.8	200.6	203.1	207.2	213.8	227.8	250.8	285.3	324.8	381.6	457.2
92.5°	198.9	200.8	204.5	208.9	215.6	229.6	252.5	286.7	326.3	382.6	453.5
95°	198.1	201.2	205.9	210.8	217.6	231.7	254.3	288.2	327.9	383.6	449.9
97.5°	197.5	201.6	207.4	212.7	219.7	233.9	256.4	289.9	329.7	384.6	446.2
100°	197.0	202.3	209.1	214.7	222.0	236.2	258.6	291.7	331.5	385.6	442.6
102.5°	196.8	203.2	210.8	216.7	224.4	238.7	261.0	293.7	333.4	386.6	438.9
105°	196.8	204.5	212.7	218.9	226.9	241.4	263.6	295.8	335.4	387.6	435.2
107.5°	197.3	206.1	214.7	221.1	229.5	244.2	266.3	298.1	337.6	388.6	429.6
110°	198.1	208.1	216.9	223.5	232.3	247.1	269.2	300.6	339.7	389.6	425.6





TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-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°	193.5	205.6	215.7	223.7	233.8	249.4	271.8	303.0	341.9	390.6	421.6
115°	185.7	198.4	209.0	218.5	230.1	246.2	268.1	297.4	334.1	378.9	408.8
117.5°	178.4	191.5	203.0	213.8	226.6	243.0	264.3	291.9	326.1	367.2	396.0
120°	171.8	184.9	198.2	209.7	223.4	239.9	260.5	286.4	318.2	355.5	383.2
122.5°	165.6	179.2	193.0	206.1	220.5	237.0	256.6	280.8	310.1	343.8	370.3
125°	159.8	174.4	189.1	203.3	217.9	234.0	252.6	275.1	302.0	332.1	357.3
127.5°	154.4	170.5	186.0	200.9	215.6	231.2	248.4	269.3	293.8	320.4	344.4
130°	150.6	167.7	183.7	198.9	213.6	228.3	244.1	263.4	285.5	308.7	331.5
132.5°	148.3	165.8	182.3	197.3	211.6	225.5	239.6	257.4	277.0	297.0	318.5
135°	144.1	160.5	176.8	191.9	206.3	220.3	233.6	250.7	268.2	285.3	305.4
137.5°	138.6	152.7	166.5	180.1	192.0	204.0	215.9	230.8	246.0	260.9	279.3
140°	131.9	144.1	155.4	166.6	177.2	187.4	197.6	210.6	223.7	236.5	253.2
142.5°	124.0	134.1	143.6	152.9	162.2	170.3	179.4	190.2	201.2	212.1	227.2
145°	115.0	123.0	130.9	138.5	145.9	152.8	160.6	169.4	178.7	187.7	201.3
147.5°	104.4	110.8	117.2	123.4	129.2	134.8	141.4	148.4	156.0	163.4	175.4
150°	92.4	97.6	102.6	107.5	112.0	116.3	121.7	126.9	133.1	139.0	149.6
152.5°	79.2	83.2	87.1	90.7	94.1	97.5	101.5	105.4	110.2	114.6	123.8
155°	64.7	67.7	70.6	73.1	75.5	78.1	80.6	83.5	87.0	90.2	98.1
157.5°	55.7	56.8	57.6	58.2	58.8	59.6	60.3	61.8	63.9	65.8	72.7
160°	49.8	50.6	51.3	51.9	52.6	53.4	54.0	55.6	57.2	58.8	65.0
162.5°	43.8	44.4	45.0	45.8	46.5	47.1	47.9	49.3	50.5	51.7	57.3
165°	37.7	38.3	39.0	39.7	40.3	40.9	41.8	42.9	43.8	44.7	49.6
167.5°	31.7	32.4	33.0	33.6	34.1	34.8	35.6	36.4	37.0	37.7	41.9
170°	26.0	26.6	27.1	27.6	28.1	28.7	29.3	29.8	30.2	30.6	34.1
172.5°	20.4	20.8	21.2	21.7	22.1	22.4	22.8	23.1	23.4	23.6	26.2
175°	14.7	15.0	15.3	15.5	15.8	16.0	16.2	16.3	16.5	16.6	18.3
177.5°	8.8	8.9	9.1	9.2	9.3	9.3	9.4	9.5	9.5	9.5	10.4
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	11.3	12.2	13.1	13.9	14.7	15.5	16.3	17.0	17.7	18.4	19.1
5°	20.1	21.8	23.5	25.1	26.7	28.3	29.8	31.3	32.7	34.1	35.4
7.5°	28.8	31.3	33.8	36.2	38.6	40.9	43.3	46.1	48.9	51.6	54.2
10°	37.4	40.7	44.0	47.1	50.4	54.5	58.5	62.4	66.1	69.8	73.4
12.5°	46.0	50.0	54.0	58.4	63.7	68.9	73.9	78.8	83.6	88.5	93.2
15°	54.5	59.2	64.1	70.7	77.1	83.3	89.4	95.2	100.8	106.4	112.5
17.5°	62.9	68.3	75.3	83.0	90.5	97.7	104.1	110.5	116.8	122.9	128.8
20°	71.2	77.4	86.5	95.3	103.8	110.9	117.9	124.8	131.8	138.7	145.3
22.5°	79.4	87.5	97.7	107.7	115.8	123.3	130.7	138.7	146.5	154.0	161.1
25°	105.6	114.9	125.0	133.9	140.3	146.2	152.3	158.1	163.3	167.7	175.2
27.5°	132.6	143.5	154.4	162.9	169.8	176.2	182.5	188.1	192.5	196.5	200.4
30°	159.7	171.9	183.9	191.6	199.5	205.5	211.6	216.2	220.3	224.2	228.0
32.5°	187.2	200.3	211.9	220.2	227.6	233.8	239.0	243.0	246.9	250.6	256.1
35°	214.6	228.5	239.8	248.6	255.4	261.8	265.2	268.8	272.3	276.8	284.1
37.5°	242.0	256.6	267.6	276.7	282.5	287.2	290.4	293.5	297.0	303.4	311.2
40°	269.3	284.6	295.3	303.6	308.8	312.1	314.6	317.2	321.8	328.4	339.3
42.5°	296.4	312.2	322.7	330.0	334.4	336.2	338.0	339.9	345.8	354.3	365.9
45°	323.5	339.3	350.1	355.8	358.7	359.5	360.6	363.3	368.5	379.6	392.7
47.5°	339.9	359.4	374.5	382.8	387.8	389.6	389.3	388.8	392.4	404.4	418.8
50°	356.3	379.7	399.0	412.0	422.6	431.5	439.0	447.7	455.4	460.4	463.1
52.5°	373.0	400.7	424.3	443.0	460.2	477.2	494.7	512.7	528.7	537.7	539.1
55°	390.1	422.4	450.9	475.7	500.3	526.3	555.2	583.0	605.6	616.6	608.4
57.5°	407.6	444.8	478.6	510.3	542.9	578.8	619.9	657.1	682.9	690.1	671.6
60°	425.3	467.7	507.3	546.6	588.6	634.6	688.6	734.6	761.2	755.5	731.7
62.5°	443.2	491.0	536.8	584.3	636.4	694.9	760.2	815.0	840.5	816.3	788.3
65°	461.3	514.7	567.1	623.2	686.1	757.7	833.4	893.5	919.9	873.0	841.5
67.5°	479.6	538.7	597.9	663.1	737.1	822.5	908.4	970.5	982.7	928.2	891.9
70°	483.4	544.1	607.0	677.5	758.7	854.5	949.7	1019.2	1028.0	980.1	941.5
72.5°	486.3	547.8	612.7	685.0	767.7	864.4	955.4	1021.0	1026.5	994.2	963.3
75°	488.9	551.1	617.9	691.8	775.4	872.2	958.6	1022.9	1030.8	1011.5	981.7
77.5°	491.1	554.1	622.8	697.9	782.0	878.2	959.7	1024.8	1040.1	1031.7	1000.2
80°	494.6	556.6	627.2	703.2	787.4	882.4	958.7	1026.3	1053.1	1054.1	1018.8
82.5°	495.6	560.5	633.7	707.8	791.8	885.0	955.9	1027.3	1068.9	1078.2	1037.9
85°	496.5	561.5	635.7	713.2	797.0	888.6	953.7	1030.3	1086.2	1103.3	1057.7
87.5°	497.4	562.4	637.8	715.1	797.7	886.3	946.4	1027.5	1104.7	1129.3	1077.7
90°	498.3	563.3	639.8	717.1	798.5	884.0	939.1	1024.6	1120.8	1154.5	1100.2
92.5°	497.4	562.4	637.8	715.1	797.7	886.3	946.4	1027.5	1104.7	1129.3	1077.7
95°	496.5	561.5	635.7	713.2	797.0	888.6	953.7	1030.3	1086.2	1103.3	1057.7
97.5°	495.6	560.5	633.7	707.8	791.8	885.0	955.9	1027.3	1068.9	1078.2	1037.9
100°	494.6	556.6	627.2	703.2	787.4	882.4	958.7	1026.3	1053.1	1054.1	1018.8
102.5°	491.1	554.1	622.8	697.9	782.0	878.2	959.7	1024.8	1040.1	1031.7	1000.2
105°	488.9	551.1	617.9	691.8	775.4	872.2	958.6	1022.9	1030.8	1011.5	981.7
107.5°	486.3	547.8	612.7	685.0	767.7	864.4	955.4	1021.0	1026.5	994.2	963.3
110°	483.4	544.1	607.0	677.5	758.7	854.5	949.7	1019.2	1028.0	980.1	941.5



TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	479.6	538.7	597.9	663.1	737.1	822.5	908.4	970.5	982.7	928.2	891.9
115°	461.3	514.7	567.1	623.2	686.1	757.7	833.4	893.5	919.9	873.0	841.5
117.5°	443.2	491.0	536.8	584.3	636.4	694.9	760.2	815.0	840.5	816.3	788.3
120°	425.3	467.7	507.3	546.6	588.6	634.6	688.6	734.6	761.2	755.5	731.7
122.5°	407.6	444.8	478.6	510.3	542.9	578.8	619.9	657.1	682.9	690.1	671.6
125°	390.1	422.4	450.9	475.7	500.3	526.3	555.2	583.0	605.6	616.6	608.4
127.5°	373.0	400.7	424.3	443.0	460.2	477.2	494.7	512.7	528.7	537.7	539.1
130°	356.3	379.7	399.0	412.0	422.6	431.5	439.0	447.7	455.4	460.4	463.1
132.5°	339.9	359.4	374.5	382.8	387.8	389.6	389.3	388.8	392.4	404.4	418.8
135°	323.5	339.3	350.1	355.8	358.7	359.5	360.6	363.3	368.5	379.6	392.7
137.5°	296.4	312.2	322.7	330.0	334.4	336.2	338.0	339.9	345.8	354.3	365.9
140°	269.3	284.6	295.3	303.6	308.8	312.1	314.6	317.2	321.8	328.4	339.3
142.5°	242.0	256.6	267.6	276.7	282.5	287.2	290.4	293.5	297.0	303.4	311.2
145°	214.6	228.5	239.8	248.6	255.4	261.8	265.2	268.8	272.3	276.8	284.1
147.5°	187.2	200.3	211.9	220.2	227.6	233.8	239.0	243.0	246.9	250.6	256.1
150°	159.7	171.9	183.9	191.6	199.5	205.5	211.6	216.2	220.3	224.2	228.0
152.5°	132.6	143.5	154.4	162.9	169.8	176.2	182.5	188.1	192.5	196.5	200.4
155°	105.6	114.9	125.0	133.9	140.3	146.2	152.3	158.1	163.3	167.7	175.2
157.5°	79.4	87.5	97.7	107.7	115.8	123.3	130.7	138.7	146.5	154.0	161.1
160°	71.2	77.4	86.5	95.3	103.8	110.9	117.9	124.8	131.8	138.7	145.3
162.5°	62.9	68.3	75.3	83.0	90.5	97.7	104.1	110.5	116.8	122.9	128.8
165°	54.5	59.2	64.1	70.7	77.1	83.3	89.4	95.2	100.8	106.4	112.5
167.5°	46.0	50.0	54.0	58.4	63.7	68.9	73.9	78.8	83.6	88.5	93.2
170°	37.4	40.7	44.0	47.1	50.4	54.5	58.5	62.4	66.1	69.8	73.4
172.5°	28.8	31.3	33.8	36.2	38.6	40.9	43.3	46.1	48.9	51.6	54.2
175°	20.1	21.8	23.5	25.1	26.7	28.3	29.8	31.3	32.7	34.1	35.4
177.5°	11.3	12.2	13.1	13.9	14.7	15.5	16.3	17.0	17.7	18.4	19.1
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: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	19.7	20.3	20.9	21.4	21.9	22.4	22.8	23.2	23.5	23.8	24.1
5°	37.0	38.5	40.0	41.4	42.7	44.0	45.1	46.1	47.1	47.9	48.7
7.5°	56.7	59.0	61.2	63.3	65.4	67.8	70.0	72.1	74.1	75.9	77.6
10°	77.0	80.7	84.2	87.6	90.9	94.0	97.0	99.6	101.7	103.7	105.5
12.5°	97.8	102.2	106.5	110.1	113.6	116.9	120.0	122.9	125.6	128.7	132.0
15°	116.8	121.5	126.1	130.5	134.8	139.7	144.5	149.2	153.7	158.0	161.9
17.5°	134.5	140.7	145.9	151.9	157.7	163.5	168.7	173.4	178.0	182.4	186.6
20°	152.0	158.7	165.4	171.8	177.7	183.5	189.1	194.8	200.3	205.5	210.2
22.5°	168.3	175.4	182.2	188.8	195.6	203.1	210.3	217.1	223.1	227.6	231.3
25°	182.6	190.0	198.1	206.6	215.8	224.4	232.6	239.7	245.6	250.9	255.9
27.5°	204.1	208.8	215.9	226.6	238.0	248.7	259.2	266.9	274.7	281.2	286.5
30°	233.6	240.7	248.2	257.8	267.1	277.6	289.0	299.0	307.1	314.0	320.4
32.5°	263.4	271.9	282.3	292.7	303.7	314.3	323.7	332.4	341.5	350.0	357.8
35°	292.8	303.8	315.2	327.5	339.2	350.0	360.1	369.6	378.3	388.3	399.9
37.5°	322.6	334.7	347.9	360.9	373.5	385.2	396.2	407.1	419.0	431.6	445.4
40°	351.3	365.4	379.6	393.9	407.1	419.5	433.1	446.8	462.7	480.4	500.1
42.5°	380.2	395.1	411.1	425.9	439.7	455.2	470.8	489.8	510.9	536.5	564.0
45°	407.8	425.2	441.7	456.8	473.6	490.9	511.4	534.0	564.3	596.7	633.7
47.5°	436.1	454.6	470.9	488.4	507.3	528.1	552.3	584.2	620.9	660.9	712.5
50°	466.7	482.3	499.8	520.1	540.9	564.4	597.2	636.0	680.6	738.6	799.8
52.5°	537.0	537.0	542.1	550.6	573.2	604.5	643.0	689.1	751.7	819.5	891.9
55°	601.3	598.5	602.0	605.8	620.8	645.5	688.0	752.7	824.5	901.8	994.7
57.5°	660.8	655.7	654.1	657.5	675.3	706.0	753.7	817.5	897.4	992.1	1095.2
60°	716.3	708.0	701.6	708.5	729.3	763.9	822.9	894.3	979.1	1076.4	1186.8
62.5°	769.3	755.5	745.3	754.2	779.6	825.5	888.6	965.3	1061.5	1165.5	1284.7
65°	818.5	798.6	790.0	799.9	827.5	878.8	947.9	1036.5	1139.1	1255.4	1395.3
67.5°	864.3	837.9	830.5	843.1	876.5	930.7	1003.9	1098.4	1210.4	1351.9	1508.8
70°	907.2	875.0	867.3	882.2	918.8	976.6	1057.3	1159.8	1287.0	1440.9	1608.9
72.5°	931.6	907.6	904.0	920.1	956.0	1018.3	1102.3	1213.8	1361.5	1516.2	1670.8
75°	950.8	933.8	936.1	956.9	996.9	1059.2	1146.8	1265.0	1426.9	1572.6	1725.1
77.5°	971.8	960.6	967.5	991.6	1035.2	1101.4	1193.5	1320.6	1473.2	1617.4	1766.1
80°	994.4	988.1	998.3	1024.3	1070.2	1138.1	1232.1	1363.3	1510.2	1659.9	1812.3
82.5°	1018.3	1016.0	1028.5	1055.3	1102.1	1169.7	1263.2	1394.1	1539.0	1693.7	1849.2
85°	1043.3	1044.3	1058.2	1084.7	1131.2	1196.8	1287.6	1414.1	1559.4	1718.1	1876.3
87.5°	1069.0	1072.8	1087.6	1113.2	1158.8	1221.4	1308.2	1428.1	1575.4	1737.8	1898.4
90°	1095.3	1101.1	1115.9	1139.7	1182.5	1240.0	1319.8	1428.4	1574.7	1737.5	1898.7
92.5°	1069.0	1072.8	1087.6	1113.2	1158.8	1221.4	1308.2	1428.1	1575.4	1737.8	1898.4
95°	1043.3	1044.3	1058.2	1084.7	1131.2	1196.8	1287.6	1414.1	1559.4	1718.1	1876.3
97.5°	1018.3	1016.0	1028.5	1055.3	1102.1	1169.7	1263.2	1394.1	1539.0	1693.7	1849.2
100°	994.4	988.1	998.3	1024.3	1070.2	1138.1	1232.1	1363.3	1510.2	1659.9	1812.3
102.5°	971.8	960.6	967.5	991.6	1035.2	1101.4	1193.5	1320.6	1473.2	1617.4	1766.1
105°	950.8	933.8	936.1	956.9	996.9	1059.2	1146.8	1265.0	1426.9	1572.6	1725.1
107.5°	931.6	907.6	904.0	920.1	956.0	1018.3	1102.3	1213.8	1361.5	1516.2	1670.8
110°	907.2	875.0	867.3	882.2	918.8	976.6	1057.3	1159.8	1287.0	1440.9	1608.9



TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-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°	864.3	837.9	830.5	843.1	876.5	930.7	1003.9	1098.4	1210.4	1351.9	1508.8
115°	818.5	798.6	790.0	799.9	827.5	878.8	947.9	1036.5	1139.1	1255.4	1395.3
117.5°	769.3	755.5	745.3	754.2	779.6	825.5	888.6	965.3	1061.5	1165.5	1284.7
120°	716.3	708.0	701.6	708.5	729.3	763.9	822.9	894.3	979.1	1076.4	1186.8
122.5°	660.8	655.7	654.1	657.5	675.3	706.0	753.7	817.5	897.4	992.1	1095.2
125°	601.3	598.5	602.0	605.8	620.8	645.5	688.0	752.7	824.5	901.8	994.7
127.5°	537.0	537.0	542.1	550.6	573.2	604.5	643.0	689.1	751.7	819.5	891.9
130°	466.7	482.3	499.8	520.1	540.9	564.4	597.2	636.0	680.6	738.6	799.8
132.5°	436.1	454.6	470.9	488.4	507.3	528.1	552.3	584.2	620.9	660.9	712.5
135°	407.8	425.2	441.7	456.8	473.6	490.9	511.4	534.0	564.3	596.7	633.7
137.5°	380.2	395.1	411.1	425.9	439.7	455.2	470.8	489.8	510.9	536.5	564.0
140°	351.3	365.4	379.6	393.9	407.1	419.5	433.1	446.8	462.7	480.4	500.1
142.5°	322.6	334.7	347.9	360.9	373.5	385.2	396.2	407.1	419.0	431.6	445.4
145°	292.8	303.8	315.2	327.5	339.2	350.0	360.1	369.6	378.3	388.3	399.9
147.5°	263.4	271.9	282.3	292.7	303.7	314.3	323.7	332.4	341.5	350.0	357.8
150°	233.6	240.7	248.2	257.8	267.1	277.6	289.0	299.0	307.1	314.0	320.4
152.5°	204.1	208.8	215.9	226.6	238.0	248.7	259.2	266.9	274.7	281.2	286.5
155°	182.6	190.0	198.1	206.6	215.8	224.4	232.6	239.7	245.6	250.9	255.9
157.5°	168.3	175.4	182.2	188.8	195.6	203.1	210.3	217.1	223.1	227.6	231.3
160°	152.0	158.7	165.4	171.8	177.7	183.5	189.1	194.8	200.3	205.5	210.2
162.5°	134.5	140.7	145.9	151.9	157.7	163.5	168.7	173.4	178.0	182.4	186.6
165°	116.8	121.5	126.1	130.5	134.8	139.7	144.5	149.2	153.7	158.0	161.9
167.5°	97.8	102.2	106.5	110.1	113.6	116.9	120.0	122.9	125.6	128.7	132.0
170°	77.0	80.7	84.2	87.6	90.9	94.0	97.0	99.6	101.7	103.7	105.5
172.5°	56.7	59.0	61.2	63.3	65.4	67.8	70.0	72.1	74.1	75.9	77.6
175°	37.0	38.5	40.0	41.4	42.7	44.0	45.1	46.1	47.1	47.9	48.7
177.5°	19.7	20.3	20.9	21.4	21.9	22.4	22.8	23.2	23.5	23.8	24.1
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: P232010

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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	24.3	24.5	24.6	24.7	24.8	24.8	25.5	25.2	25.0	24.7	24.4
5°	49.3	49.9	50.4	50.7	51.0	51.1	51.2	51.1	51.7	51.1	50.5
7.5°	79.1	80.4	81.6	82.7	83.5	84.2	84.7	85.1	85.2	86.1	85.3
10°	107.1	108.5	109.7	110.8	111.6	112.2	112.7	112.9	112.9	113.7	112.8
12.5°	135.0	137.8	140.4	142.8	144.9	146.7	148.2	149.4	150.3	150.9	151.9
15°	165.1	168.1	170.9	173.4	175.7	177.6	179.3	180.7	181.8	182.5	183.6
17.5°	190.5	193.9	196.9	199.5	201.8	203.7	205.1	206.3	207.0	207.4	208.1
20°	214.4	217.6	219.2	220.2	220.6	220.5	219.8	218.7	217.3	215.5	213.6
22.5°	234.0	235.8	237.6	239.1	239.7	239.7	238.9	237.5	235.5	232.9	230.5
25°	259.9	262.8	264.6	266.0	266.5	266.2	265.1	263.3	260.7	257.4	253.6
27.5°	290.7	293.9	295.9	298.0	300.3	301.8	302.3	301.9	300.7	298.5	295.3
30°	325.7	331.1	335.6	339.3	345.8	351.5	356.4	360.2	362.9	364.3	364.2
32.5°	365.7	375.6	385.1	394.1	403.9	413.4	421.6	428.4	433.7	437.2	439.0
35°	411.6	426.0	440.7	454.5	468.2	484.9	499.8	512.8	523.6	532.0	537.9
37.5°	463.5	482.5	506.0	528.5	549.7	572.0	592.5	610.5	625.9	638.3	647.5
40°	524.7	551.4	581.5	611.4	639.6	669.9	701.7	730.4	755.4	776.4	792.9
42.5°	595.8	628.0	664.9	709.0	751.1	791.6	831.3	866.8	897.5	923.3	943.6
45°	673.0	721.1	766.6	819.9	872.1	926.0	974.3	1022.0	1061.7	1093.5	1117.3
47.5°	766.6	824.3	881.6	945.0	1019.4	1086.2	1148.6	1205.3	1253.1	1291.8	1321.0
50°	866.3	936.2	1020.6	1103.4	1190.3	1269.2	1344.6	1421.8	1488.8	1544.4	1587.7
52.5°	977.0	1069.4	1166.8	1265.3	1375.6	1485.0	1580.9	1659.3	1732.9	1799.4	1856.5
55°	1093.8	1199.6	1314.3	1444.5	1569.6	1677.2	1774.3	1862.3	1942.0	2013.5	2075.1
57.5°	1204.8	1332.9	1472.8	1608.8	1740.8	1840.5	1939.5	2029.6	2108.1	2181.2	2247.2
60°	1319.1	1466.0	1620.5	1757.2	1877.7	1979.3	2066.7	2153.3	2233.7	2306.8	2372.0
62.5°	1428.3	1601.6	1750.4	1884.1	1986.1	2083.7	2171.3	2253.9	2337.3	2413.2	2480.1
65°	1560.0	1715.0	1857.0	1967.5	2072.7	2171.8	2263.5	2350.3	2433.3	2510.2	2576.6
67.5°	1669.9	1816.2	1927.2	2038.6	2147.1	2248.0	2345.5	2437.9	2523.9	2601.5	2667.2
70°	1753.9	1884.4	1998.8	2104.3	2207.5	2314.3	2417.6	2514.4	2606.8	2684.6	2743.3
72.5°	1817.8	1946.9	2061.2	2163.0	2265.5	2369.3	2475.0	2575.1	2675.0	2768.2	2821.1
75°	1869.7	1996.2	2106.4	2211.3	2319.2	2419.6	2515.0	2622.1	2731.6	2829.9	2885.9
77.5°	1913.0	2036.8	2138.7	2250.4	2359.4	2461.3	2558.3	2657.1	2767.1	2862.8	2929.7
80°	1948.0	2059.9	2162.8	2277.7	2388.8	2495.0	2596.4	2698.7	2793.3	2888.0	2954.1
82.5°	1973.3	2080.6	2189.7	2300.3	2407.2	2512.2	2623.5	2733.6	2833.7	2922.9	2969.4
85°	1986.2	2094.1	2206.1	2315.2	2426.7	2535.4	2644.3	2753.9	2862.9	2940.0	2957.8
87.5°	1991.8	2099.5	2211.6	2317.7	2436.3	2548.4	2651.9	2761.4	2873.0	2959.2	2990.2
90°	1981.8	2096.1	2206.3	2308.2	2433.2	2546.7	2639.6	2747.3	2854.2	2965.2	3004.7
92.5°	1991.8	2099.5	2211.6	2317.7	2436.3	2548.4	2651.9	2761.4	2873.0	2959.2	2990.2
95°	1986.2	2094.1	2206.1	2315.2	2426.7	2535.4	2644.3	2753.9	2862.9	2940.0	2957.8
97.5°	1973.3	2080.6	2189.7	2300.3	2407.2	2512.2	2623.5	2733.6	2833.7	2922.9	2969.4
100°	1948.0	2059.9	2162.8	2277.7	2388.8	2495.0	2596.4	2698.7	2793.3	2888.0	2954.1
102.5°	1913.0	2036.8	2138.7	2250.4	2359.4	2461.3	2558.3	2657.1	2767.1	2862.8	2929.7
105°	1869.7	1996.2	2106.4	2211.3	2319.2	2419.6	2515.0	2622.1	2731.6	2829.9	2885.9
107.5°	1817.8	1946.9	2061.2	2163.0	2265.5	2369.3	2475.0	2575.1	2675.0	2768.2	2821.1
110°	1753.9	1884.4	1998.8	2104.3	2207.5	2314.3	2417.6	2514.4	2606.8	2684.6	2743.3



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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°	1669.9	1816.2	1927.2	2038.6	2147.1	2248.0	2345.5	2437.9	2523.9	2601.5	2667.2
115°	1560.0	1715.0	1857.0	1967.5	2072.7	2171.8	2263.5	2350.3	2433.3	2510.2	2576.5
117.5°	1428.3	1601.6	1750.4	1884.1	1986.1	2083.7	2171.3	2253.9	2337.3	2413.2	2480.1
120°	1319.1	1466.0	1620.5	1757.2	1877.7	1979.3	2066.7	2153.3	2233.7	2306.8	2372.0
122.5°	1204.8	1332.9	1472.8	1608.8	1740.8	1840.5	1939.5	2029.6	2108.1	2181.2	2247.2
125°	1093.8	1199.6	1314.3	1444.5	1569.6	1677.2	1774.3	1862.3	1942.0	2013.5	2075.1
127.5°	977.0	1069.4	1166.8	1265.3	1375.6	1485.0	1580.9	1659.3	1732.9	1799.4	1856.5
130°	866.3	936.2	1020.6	1103.4	1190.3	1269.2	1344.6	1421.8	1488.8	1544.4	1587.7
132.5°	766.6	824.3	881.6	945.0	1019.4	1086.2	1148.6	1205.3	1253.1	1291.8	1321.0
135°	673.0	721.1	766.6	819.9	872.1	926.0	974.3	1022.0	1061.7	1093.5	1117.3
137.5°	595.8	628.0	664.9	709.0	751.1	791.6	831.3	866.8	897.5	923.3	943.6
140°	524.7	551.4	581.5	611.4	639.6	669.9	701.7	730.4	755.4	776.4	792.9
142.5°	463.5	482.5	506.0	528.5	549.7	572.0	592.5	610.5	625.9	638.3	647.5
145°	411.6	426.0	440.7	454.5	468.2	484.9	499.8	512.8	523.6	532.0	537.9
147.5°	365.7	375.6	385.1	394.1	403.9	413.4	421.6	428.4	433.7	437.2	439.0
150°	325.7	331.1	335.6	339.3	345.8	351.5	356.4	360.2	362.9	364.3	364.2
152.5°	290.7	293.9	295.9	298.0	300.3	301.8	302.3	301.9	300.7	298.5	295.3
155°	259.9	262.8	264.6	266.0	266.5	266.2	265.1	263.3	260.7	257.4	253.6
157.5°	234.0	235.8	237.6	239.1	239.7	239.7	238.9	237.5	235.5	232.9	230.5
160°	214.4	217.6	219.2	220.2	220.6	220.5	219.8	218.7	217.3	215.5	213.6
162.5°	190.5	193.9	196.9	199.5	201.8	203.7	205.1	206.3	207.0	207.4	208.1
165°	165.1	168.1	170.9	173.4	175.7	177.6	179.3	180.7	181.8	182.5	183.6
167.5°	135.0	137.8	140.4	142.8	144.9	146.7	148.2	149.4	150.3	150.9	151.9
170°	107.1	108.5	109.7	110.8	111.6	112.2	112.7	112.9	112.9	113.7	112.8
172.5°	79.1	80.4	81.6	82.7	83.5	84.2	84.7	85.1	85.2	86.1	85.3
175°	49.3	49.9	50.4	50.7	51.0	51.1	51.2	51.1	51.7	51.1	50.5
177.5°	24.3	24.5	24.6	24.7	24.8	24.8	25.5	25.2	25.0	24.7	24.4
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: P232010

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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	2.5	2.5
2.5°	24.1	23.8
5°	49.9	49.3
7.5°	84.6	83.9
10°	111.9	111.0
12.5°	151.2	150.5
15°	183.1	182.6
17.5°	207.2	206.4
20°	211.3	208.9
22.5°	226.7	222.8
25°	249.4	244.2
27.5°	291.7	286.2
30°	363.5	359.3
32.5°	439.9	436.6
35°	542.6	541.1
37.5°	655.1	655.4
40°	807.3	810.8
42.5°	961.4	967.0
45°	1137.1	1141.4
47.5°	1345.5	1350.2
50°	1625.1	1633.9
52.5°	1909.8	1932.4
55°	2132.3	2162.7
57.5°	2310.4	2350.2
60°	2433.4	2476.0
62.5°	2537.8	2586.2
65°	2632.6	2679.1
67.5°	2721.6	2765.4
70°	2788.5	2823.0
72.5°	2853.2	2870.7
75°	2905.8	2914.3
77.5°	2942.4	2947.2
80°	2972.2	2965.2
82.5°	2996.6	2993.2
85°	3004.7	3041.7
87.5°	2984.1	3034.3
90°	2990.7	2988.3
92.5°	2984.1	3034.3
95°	3004.7	3041.7
97.5°	2996.6	2993.2
100°	2972.2	2965.2
102.5°	2942.4	2947.2
105°	2905.8	2914.3
107.5°	2853.2	2870.7
110°	2788.5	2823.0





TEST NUMBER: P232010

CATALOG NUMBER: FVS4WM-4-LD4-40-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2721.6	2765.4
115°	2632.6	2679.1
117.5°	2537.8	2586.2
120°	2433.4	2476.0
122.5°	2310.4	2350.2
125°	2132.3	2162.7
127.5°	1909.8	1932.4
130°	1625.1	1633.9
132.5°	1345.5	1350.2
135°	1137.1	1141.4
137.5°	961.4	967.0
140°	807.3	810.8
142.5°	655.1	655.4
145°	542.6	541.1
147.5°	439.9	436.6
150°	363.5	359.3
152.5°	291.7	286.2
155°	249.4	244.2
157.5°	226.7	222.8
160°	211.3	208.9
162.5°	207.2	206.4
165°	183.1	182.6
167.5°	151.2	150.5
170°	111.9	111.0
172.5°	84.6	83.9
175°	49.9	49.3
177.5°	24.1	23.8
180°	2.0	2.0

(END OF REPORT)