

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: P232084

Luminaire Tested: **FVS4WM-3-LD4-30-2HI-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232084  
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-LD4-30-2HI-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

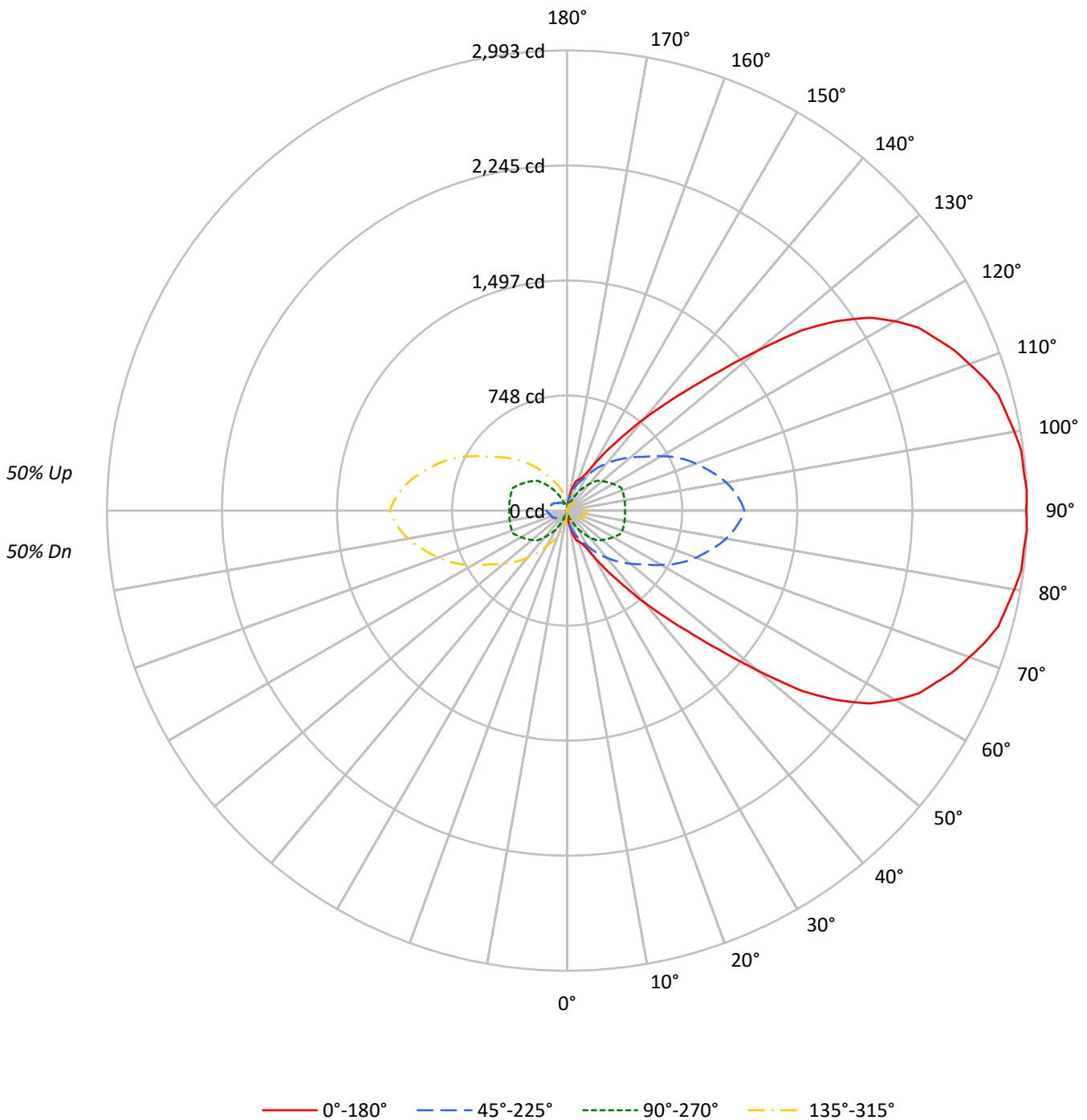
Lumens per Lamp: N/A  
Luminaire Lumens: 6729.9 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Spacing Criteria (0/90/45): 28.65 / 18.08 / 19.23  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

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





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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°	847	274	0	274
10°	1664	530	0	530
15°	2493	794	0	794
20°	2747	1070	0	1070
25°	2974	1723	0	1723
30°	3955	2800	0	2800
35°	5792	3985	0	3985
40°	8327	5321	0	5321
45°	11607	6869	10	6869
50°	16571	8081	10	8081
55°	21826	9583	10	9583
60°	24951	11498	10	11498
65°	26955	14039	10	14039
70°	28726	16988	20	16988
75°	30579	20676	20	20676
80°	32037	26729	0	26729
85°	33567	38332	0	38332



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.0	0.0
10°-20°	21.8	0.3
20°-30°	58.5	0.9
30°-40°	134.6	2.0
40°-50°	264.0	3.9
50°-60°	470.4	7.0
60°-70°	683.0	10.1
70°-80°	828.9	12.3
80°-90°	900.8	13.4
90°-100°	900.8	13.4
100°-110°	828.9	12.3
110°-120°	683.0	10.1
120°-130°	470.4	7.0
130°-140°	264.0	3.9
140°-150°	134.6	2.0
150°-160°	58.5	0.9
160°-170°	21.8	0.3
170°-180°	3.0	0.0
0°-30°	83.3	1.2
0°-40°	217.9	3.2
0°-60°	952.3	14.1
0°-90°	3365.0	50.0
90°-120°	2412.7	35.9
90°-150°	3281.6	48.8
90°-180°	3365.0	50.0
0°-180°	6729.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	49	14	0	14	49	7
15°	177	40	0	40	177	50
25°	243	83	0	83	243	120
35°	522	178	0	178	522	341
45°	1112	273	1	273	1112	895
55°	2150	322	1	322	2150	1903
65°	2647	371	1	371	2647	2626
75°	2903	381	2	381	2903	3055
85°	2980	378	0	378	2980	2433
90°	2986	376	0	376	2986	1639
95°	2980	378	0	378	2980	2433
105°	2903	381	2	381	2903	3055
115°	2647	371	1	371	2647	2626
125°	2150	322	1	322	2150	1903
135°	1112	273	1	273	1112	895
145°	522	178	0	178	522	341
155°	243	83	0	83	243	120
165°	177	40	0	40	177	50
175°	49	14	0	14	49	7
180°	1	1	1	1	1	



TEST NUMBER: P232084

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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°	21.2	21.5	21.8	22.1	22.3	22.6	22.9	22.2	22.2	22.2	22.1
5°	49.1	49.7	50.2	50.7	51.3	50.5	50.5	50.3	50.1	49.7	49.2
7.5°	79.8	80.5	81.3	82.0	81.4	81.3	81.1	80.7	80.2	79.5	78.6
10°	107.7	108.6	109.4	110.3	109.5	109.4	109.1	108.6	108.0	107.1	106.0
12.5°	141.4	142.2	142.9	142.2	141.9	141.3	140.4	139.2	137.8	136.2	134.2
15°	177.0	177.4	177.7	176.3	175.4	174.1	172.4	170.5	168.3	165.9	163.2
17.5°	203.9	204.4	205.0	203.8	203.0	201.9	200.3	198.4	196.1	193.4	190.3
20°	210.7	212.5	214.4	215.4	216.5	217.2	217.6	217.4	216.8	215.7	214.0
22.5°	224.1	227.3	230.6	232.4	234.4	235.8	236.7	237.0	236.5	235.4	233.5
25°	243.4	248.2	252.1	255.6	258.5	260.7	262.2	262.8	262.5	261.3	259.2
27.5°	277.0	282.6	286.6	290.1	292.8	294.7	295.7	295.8	294.9	293.2	291.0
30°	341.5	346.6	348.5	349.7	349.5	348.0	345.3	341.4	336.5	330.5	327.7
32.5°	425.2	428.6	427.6	425.7	422.1	416.9	410.2	402.3	393.3	384.4	376.2
35°	522.4	523.7	519.3	513.9	506.2	496.5	485.0	472.0	457.6	444.6	431.6
37.5°	633.0	632.4	624.7	615.6	603.4	588.4	570.8	550.9	529.8	511.2	491.9
40°	777.3	773.5	759.7	743.9	724.1	700.5	673.7	644.0	615.3	588.2	559.4
42.5°	933.1	928.2	911.0	891.0	865.4	834.2	797.8	756.6	718.1	678.9	638.1
45°	1112.0	1104.1	1081.1	1055.1	1022.5	984.0	940.1	897.3	841.4	786.6	730.7
47.5°	1335.2	1323.5	1291.4	1254.9	1209.8	1156.5	1095.9	1034.1	974.9	911.7	848.3
50°	1616.1	1600.3	1556.2	1506.1	1443.7	1369.9	1285.8	1205.5	1124.6	1039.1	966.5
52.5°	1926.8	1901.8	1843.5	1779.6	1703.1	1616.0	1519.9	1416.5	1302.9	1191.9	1095.0
55°	2150.0	2116.6	2057.3	1994.1	1921.6	1841.7	1749.9	1631.9	1503.5	1371.3	1238.2
57.5°	2334.7	2293.2	2228.2	2160.0	2084.0	2001.8	1909.7	1810.1	1703.7	1549.6	1399.1
60°	2463.6	2419.6	2356.4	2288.9	2213.0	2129.2	2040.4	1950.6	1843.9	1711.6	1557.8
62.5°	2576.2	2526.7	2467.5	2398.8	2320.7	2234.7	2151.4	2064.9	1963.8	1853.5	1699.4
65°	2647.4	2607.3	2557.6	2495.8	2420.1	2336.1	2248.3	2155.0	2058.3	1951.6	1828.5
67.5°	2725.3	2688.9	2642.5	2584.8	2515.1	2430.1	2336.5	2237.4	2132.5	2027.7	1914.2
70°	2784.9	2760.5	2724.1	2671.7	2596.0	2507.6	2413.3	2309.2	2200.7	2090.8	1987.3
72.5°	2850.3	2831.1	2800.1	2755.9	2672.6	2572.1	2473.8	2367.9	2261.1	2153.7	2045.7
75°	2903.2	2888.1	2862.5	2809.7	2719.9	2620.2	2516.9	2421.1	2313.6	2202.5	2092.5
77.5°	2925.4	2924.2	2910.8	2856.4	2769.7	2654.6	2558.6	2462.1	2355.8	2239.3	2125.4
80°	2954.2	2950.6	2936.5	2898.8	2818.3	2706.0	2594.2	2495.0	2387.1	2265.6	2147.4
82.5°	2979.2	2969.2	2953.1	2919.1	2847.4	2731.9	2617.4	2510.3	2404.5	2291.1	2173.2
85°	2980.2	2989.6	2971.9	2934.4	2859.0	2739.9	2629.6	2525.9	2420.2	2308.7	2189.6
87.5°	2992.7	2996.2	2973.8	2943.0	2876.6	2755.4	2642.1	2529.1	2423.9	2312.4	2195.5
90°	2986.0	2991.7	2958.1	2940.8	2872.5	2746.4	2639.7	2517.5	2414.6	2303.0	2190.4
92.5°	2992.7	2996.2	2973.8	2943.0	2876.6	2755.4	2642.1	2529.1	2423.9	2312.4	2195.5
95°	2980.2	2989.6	2971.9	2934.4	2859.0	2739.9	2629.6	2525.9	2420.2	2308.7	2189.6
97.5°	2979.2	2969.2	2953.1	2919.1	2847.4	2731.9	2617.4	2510.3	2404.5	2291.1	2173.2
100°	2954.2	2950.6	2936.5	2898.8	2818.3	2706.0	2594.2	2495.0	2387.1	2265.6	2147.4
102.5°	2925.4	2924.2	2910.8	2856.4	2769.7	2654.6	2558.6	2462.1	2355.8	2239.3	2125.4
105°	2903.2	2888.1	2862.5	2809.7	2719.9	2620.2	2516.9	2421.1	2313.6	2202.5	2092.5
107.5°	2850.3	2831.1	2800.1	2755.9	2672.6	2572.1	2473.8	2367.9	2261.1	2153.7	2045.7
110°	2784.9	2760.5	2724.1	2671.7	2596.0	2507.6	2413.3	2309.2	2200.7	2090.8	1987.3



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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°	2725.3	2688.9	2642.5	2584.8	2515.1	2430.1	2336.5	2237.4	2132.5	2027.7	1914.2
115°	2647.4	2607.3	2557.6	2495.8	2420.1	2336.1	2248.3	2155.0	2058.3	1951.6	1828.5
117.5°	2576.2	2526.7	2467.5	2398.8	2320.7	2234.7	2151.4	2064.9	1963.8	1853.5	1699.4
120°	2463.6	2419.6	2356.4	2288.9	2213.0	2129.2	2040.4	1950.6	1843.9	1711.6	1557.8
122.5°	2334.7	2293.2	2228.2	2160.0	2084.0	2001.8	1909.7	1810.1	1703.7	1549.6	1399.1
125°	2150.0	2116.6	2057.3	1994.1	1921.6	1841.7	1749.9	1631.9	1503.5	1371.3	1238.2
127.5°	1926.8	1901.8	1843.5	1779.6	1703.1	1616.0	1519.9	1416.5	1302.9	1191.9	1095.0
130°	1616.1	1600.3	1556.2	1506.1	1443.7	1369.9	1285.8	1205.5	1124.6	1039.1	966.5
132.5°	1335.2	1323.5	1291.4	1254.9	1209.8	1156.5	1095.9	1034.1	974.9	911.7	848.3
135°	1112.0	1104.1	1081.1	1055.1	1022.5	984.0	940.1	897.3	841.4	786.6	730.7
137.5°	933.1	928.2	911.0	891.0	865.4	834.2	797.8	756.6	718.1	678.9	638.1
140°	777.3	773.5	759.7	743.9	724.1	700.5	673.7	644.0	615.3	588.2	559.4
142.5°	633.0	632.4	624.7	615.6	603.4	588.4	570.8	550.9	529.8	511.2	491.9
145°	522.4	523.7	519.3	513.9	506.2	496.5	485.0	472.0	457.6	444.6	431.6
147.5°	425.2	428.6	427.6	425.7	422.1	416.9	410.2	402.3	393.3	384.4	376.2
150°	341.5	346.6	348.5	349.7	349.5	348.0	345.3	341.4	336.5	330.5	327.7
152.5°	277.0	282.6	286.6	290.1	292.8	294.7	295.7	295.8	294.9	293.2	291.0
155°	243.4	248.2	252.1	255.6	258.5	260.7	262.2	262.8	262.5	261.3	259.2
157.5°	224.1	227.3	230.6	232.4	234.4	235.8	236.7	237.0	236.5	235.4	233.5
160°	210.7	212.5	214.4	215.4	216.5	217.2	217.6	217.4	216.8	215.7	214.0
162.5°	203.9	204.4	205.0	203.8	203.0	201.9	200.3	198.4	196.1	193.4	190.3
165°	177.0	177.4	177.7	176.3	175.4	174.1	172.4	170.5	168.3	165.9	163.2
167.5°	141.4	142.2	142.9	142.2	141.9	141.3	140.4	139.2	137.8	136.2	134.2
170°	107.7	108.6	109.4	110.3	109.5	109.4	109.1	108.6	108.0	107.1	106.0
172.5°	79.8	80.5	81.3	82.0	81.4	81.3	81.1	80.7	80.2	79.5	78.6
175°	49.1	49.7	50.2	50.7	51.3	50.5	50.5	50.3	50.1	49.7	49.2
177.5°	21.2	21.5	21.8	22.1	22.3	22.6	22.9	22.2	22.2	22.2	22.1
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°	21.9	21.7	21.5	21.3	21.0	20.7	20.3	19.9	19.4	19.0	18.5
5°	48.7	48.0	47.2	46.3	45.3	44.3	43.1	41.8	40.5	39.0	37.5
7.5°	77.5	76.3	75.0	73.5	71.8	70.0	68.1	66.0	63.8	61.6	59.3
10°	104.8	103.4	101.8	100.0	98.1	96.0	93.5	90.7	87.8	84.7	81.4
12.5°	132.1	129.8	127.2	124.5	121.7	119.0	116.2	113.2	110.0	106.6	103.1
15°	160.3	157.2	153.9	150.4	146.8	142.9	138.9	134.8	130.5	126.4	122.2
17.5°	186.9	183.0	178.9	174.6	170.2	165.7	161.1	156.3	151.3	146.1	140.9
20°	211.7	207.9	203.2	198.0	192.4	186.5	180.8	175.4	170.0	164.6	158.8
22.5°	231.1	228.4	224.9	220.6	215.4	208.9	201.7	194.2	186.4	180.3	174.4
25°	256.8	253.5	249.2	243.8	238.0	231.4	223.7	215.1	206.2	196.9	188.3
27.5°	288.2	284.1	278.7	272.5	265.7	257.6	249.6	238.6	227.6	216.0	205.3
30°	323.9	319.0	314.1	306.3	297.9	288.0	277.8	266.1	255.2	245.6	235.8
32.5°	367.1	357.2	349.6	342.2	333.8	323.3	312.0	300.4	289.5	278.1	267.6
35°	418.1	404.9	393.0	380.6	369.2	359.1	348.4	335.7	322.7	310.2	297.8
37.5°	472.0	455.0	439.0	425.1	409.2	394.3	381.6	369.3	355.7	341.4	327.8
40°	531.3	508.7	487.5	468.8	450.8	433.2	416.6	400.8	386.9	372.2	356.8
42.5°	603.0	571.5	541.6	517.6	495.2	473.3	452.7	434.5	416.8	401.3	385.4
45°	687.6	642.6	605.1	569.9	540.7	513.9	490.6	467.9	448.3	429.5	412.6
47.5°	785.4	725.8	675.6	628.0	590.5	557.1	528.5	503.2	479.1	458.4	439.1
50°	892.2	821.7	753.3	696.1	643.5	602.5	567.5	537.6	511.3	486.8	465.2
52.5°	1000.4	918.5	839.1	767.5	704.7	648.6	607.3	572.6	543.6	515.4	502.9
55°	1122.9	1016.4	925.8	840.2	767.3	702.6	645.4	608.2	584.4	566.6	556.0
57.5°	1255.7	1124.7	1012.6	915.6	827.9	756.8	700.7	658.1	630.1	612.5	603.4
60°	1392.1	1240.3	1103.6	988.5	898.7	822.8	759.9	706.3	674.6	655.0	646.0
62.5°	1529.5	1352.1	1203.3	1080.7	975.7	885.8	816.8	759.3	716.1	692.2	683.7
65°	1655.5	1479.1	1311.4	1171.3	1054.4	953.4	869.1	806.0	756.3	729.5	720.1
67.5°	1778.0	1596.0	1420.8	1261.8	1127.0	1014.7	921.1	851.9	799.0	765.0	752.4
70°	1857.5	1692.8	1520.6	1342.3	1198.2	1077.0	974.2	893.1	836.6	797.2	781.0
72.5°	1931.8	1766.4	1588.8	1417.3	1260.9	1131.1	1020.8	931.7	870.1	829.4	811.3
75°	1978.5	1833.5	1642.8	1475.7	1311.0	1178.6	1066.2	971.9	907.0	863.1	839.7
77.5°	2019.0	1889.7	1686.9	1520.6	1362.8	1227.0	1112.2	1013.8	941.5	894.6	867.1
80°	2042.7	1919.6	1741.3	1560.3	1405.0	1265.5	1151.2	1050.7	972.9	924.0	893.7
82.5°	2063.0	1945.0	1778.4	1588.7	1435.5	1294.6	1183.6	1082.7	1001.4	951.5	919.6
85°	2074.6	1963.3	1798.9	1606.1	1455.1	1315.4	1209.8	1110.1	1027.1	977.3	944.9
87.5°	2077.2	1978.6	1810.2	1617.7	1468.8	1331.4	1232.7	1135.0	1051.5	1002.2	969.7
90°	2071.1	1970.1	1794.1	1610.3	1466.0	1336.2	1245.8	1152.4	1071.6	1024.5	993.7
92.5°	2077.2	1978.6	1810.2	1617.7	1468.8	1331.4	1232.7	1135.0	1051.5	1002.2	969.7
95°	2074.6	1963.3	1798.9	1606.1	1455.1	1315.4	1209.8	1110.1	1027.1	977.3	944.9
97.5°	2063.0	1945.0	1778.4	1588.7	1435.5	1294.6	1183.6	1082.7	1001.4	951.5	919.6
100°	2042.7	1919.6	1741.3	1560.3	1405.0	1265.5	1151.2	1050.7	972.9	924.0	893.7
102.5°	2019.0	1889.7	1686.9	1520.6	1362.8	1227.0	1112.2	1013.8	941.5	894.6	867.1
105°	1978.5	1833.5	1642.8	1475.7	1311.0	1178.6	1066.2	971.9	907.0	863.1	839.7
107.5°	1931.8	1766.4	1588.8	1417.3	1260.9	1131.1	1020.8	931.7	870.1	829.4	811.3
110°	1857.5	1692.8	1520.6	1342.3	1198.2	1077.0	974.2	893.1	836.6	797.2	781.0





TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	1778.0	1596.0	1420.8	1261.8	1127.0	1014.7	921.1	851.9	799.0	765.0	752.4
115°	1655.5	1479.1	1311.4	1171.3	1054.4	953.4	869.1	806.0	756.3	729.5	720.1
117.5°	1529.5	1352.1	1203.3	1080.7	975.7	885.8	816.8	759.3	716.1	692.2	683.7
120°	1392.1	1240.3	1103.6	988.5	898.7	822.8	759.9	706.3	674.6	655.0	646.0
122.5°	1255.7	1124.7	1012.6	915.6	827.9	756.8	700.7	658.1	630.1	612.5	603.4
125°	1122.9	1016.4	925.8	840.2	767.3	702.6	645.4	608.2	584.4	566.6	556.0
127.5°	1000.4	918.5	839.1	767.5	704.7	648.6	607.3	572.6	543.6	515.4	502.9
130°	892.2	821.7	753.3	696.1	643.5	602.5	567.5	537.6	511.3	486.8	465.2
132.5°	785.4	725.8	675.6	628.0	590.5	557.1	528.5	503.2	479.1	458.4	439.1
135°	687.6	642.6	605.1	569.9	540.7	513.9	490.6	467.9	448.3	429.5	412.6
137.5°	603.0	571.5	541.6	517.6	495.2	473.3	452.7	434.5	416.8	401.3	385.4
140°	531.3	508.7	487.5	468.8	450.8	433.2	416.6	400.8	386.9	372.2	356.8
142.5°	472.0	455.0	439.0	425.1	409.2	394.3	381.6	369.3	355.7	341.4	327.8
145°	418.1	404.9	393.0	380.6	369.2	359.1	348.4	335.7	322.7	310.2	297.8
147.5°	367.1	357.2	349.6	342.2	333.8	323.3	312.0	300.4	289.5	278.1	267.6
150°	323.9	319.0	314.1	306.3	297.9	288.0	277.8	266.1	255.2	245.6	235.8
152.5°	288.2	284.1	278.7	272.5	265.7	257.6	249.6	238.6	227.6	216.0	205.3
155°	256.8	253.5	249.2	243.8	238.0	231.4	223.7	215.1	206.2	196.9	188.3
157.5°	231.1	228.4	224.9	220.6	215.4	208.9	201.7	194.2	186.4	180.3	174.4
160°	211.7	207.9	203.2	198.0	192.4	186.5	180.8	175.4	170.0	164.6	158.8
162.5°	186.9	183.0	178.9	174.6	170.2	165.7	161.1	156.3	151.3	146.1	140.9
165°	160.3	157.2	153.9	150.4	146.8	142.9	138.9	134.8	130.5	126.4	122.2
167.5°	132.1	129.8	127.2	124.5	121.7	119.0	116.2	113.2	110.0	106.6	103.1
170°	104.8	103.4	101.8	100.0	98.1	96.0	93.5	90.7	87.8	84.7	81.4
172.5°	77.5	76.3	75.0	73.5	71.8	70.0	68.1	66.0	63.8	61.6	59.3
175°	48.7	48.0	47.2	46.3	45.3	44.3	43.1	41.8	40.5	39.0	37.5
177.5°	21.9	21.7	21.5	21.3	21.0	20.7	20.3	19.9	19.4	19.0	18.5
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: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	17.9	17.3	16.7	16.1	15.4	14.7	14.0	13.3	12.5	11.7	10.9
5°	35.9	34.2	32.5	31.2	29.9	28.5	27.0	25.6	24.0	22.4	20.8
7.5°	56.9	54.4	51.7	49.0	46.2	43.2	40.2	37.8	35.5	33.2	30.7
10°	78.0	74.5	71.0	67.1	63.4	59.5	55.5	51.4	47.2	43.8	40.6
12.5°	99.0	94.6	90.0	85.3	80.5	75.6	70.6	65.5	60.3	55.0	50.5
15°	117.9	113.4	109.4	103.2	97.4	91.6	85.6	79.5	73.3	67.0	60.5
17.5°	136.2	130.4	125.1	119.7	113.8	107.1	100.3	93.3	86.1	78.8	71.3
20°	152.9	146.8	140.8	134.7	128.5	122.1	114.5	106.7	98.7	90.5	82.1
22.5°	168.5	162.1	155.6	149.0	142.2	135.2	128.2	119.7	110.9	102.0	92.6
25°	181.4	175.3	169.0	162.1	157.8	153.1	148.1	142.4	135.0	127.2	118.4
27.5°	198.1	194.1	191.7	188.9	184.8	180.4	175.5	170.3	163.5	155.3	146.3
30°	228.2	221.1	216.3	213.7	210.6	206.4	201.8	196.8	191.9	183.0	174.3
32.5°	257.3	249.0	242.0	237.4	234.8	231.4	227.1	222.5	217.5	210.2	201.2
35°	286.5	276.0	267.9	261.2	257.7	255.3	251.5	247.6	242.7	236.9	227.8
37.5°	314.5	303.0	292.4	285.5	280.1	277.7	275.0	271.2	267.2	263.0	254.1
40°	342.4	328.4	317.6	308.1	302.7	299.2	297.5	294.4	290.9	287.4	280.0
42.5°	369.2	354.5	340.8	331.0	324.3	320.1	318.9	316.9	314.0	311.3	305.6
45°	395.8	379.2	364.5	352.9	344.3	341.1	339.6	338.8	336.6	334.6	330.9
47.5°	420.9	403.7	387.7	373.9	365.0	364.5	368.1	369.6	367.1	362.7	356.6
50°	445.8	429.7	426.7	427.4	427.9	425.5	420.6	414.7	405.6	394.5	383.3
52.5°	496.0	493.3	493.9	497.4	500.5	492.3	478.7	463.5	446.9	428.2	411.0
55°	551.6	552.4	556.6	563.5	573.6	562.7	541.4	515.9	490.8	464.2	440.0
57.5°	601.8	606.4	615.1	626.5	641.1	635.9	608.5	571.5	537.2	502.4	470.3
60°	646.4	655.9	669.7	686.2	705.5	711.7	679.4	630.4	586.2	542.2	501.8
62.5°	687.9	701.4	720.6	742.8	767.2	789.8	752.4	693.2	637.2	583.6	534.2
65°	725.4	742.7	767.9	796.5	826.6	859.7	825.1	758.6	690.1	626.2	567.4
67.5°	758.8	780.2	812.3	847.7	884.3	923.4	899.2	826.0	744.5	669.9	601.3
70°	789.3	815.9	854.2	894.3	929.8	962.0	939.9	858.8	766.9	684.6	609.4
72.5°	815.3	836.1	870.3	909.6	942.1	964.3	946.6	868.3	775.8	691.8	613.3
75°	836.7	851.4	883.4	925.2	957.5	970.3	952.4	875.9	783.6	698.5	616.8
77.5°	859.4	868.2	896.8	941.4	975.4	979.4	957.2	881.7	790.3	704.5	619.7
80°	883.1	886.2	910.6	958.3	995.3	991.0	960.9	885.9	796.0	709.9	622.0
82.5°	907.5	905.2	925.1	975.9	1016.7	1004.1	963.6	888.5	800.5	714.5	626.2
85°	932.4	925.2	940.4	994.3	1039.0	1020.0	967.6	891.9	806.1	720.1	626.2
87.5°	957.5	945.6	956.1	1013.1	1061.9	1032.9	966.3	889.9	807.1	721.8	626.2
90°	982.2	966.8	974.5	1034.1	1084.1	1045.7	964.9	887.9	808.1	723.4	626.2
92.5°	957.5	945.6	956.1	1013.1	1061.9	1032.9	966.3	889.9	807.1	721.8	626.2
95°	932.4	925.2	940.4	994.3	1039.0	1020.0	967.6	891.9	806.1	720.1	626.2
97.5°	907.5	905.2	925.1	975.9	1016.7	1004.1	963.6	888.5	800.5	714.5	626.2
100°	883.1	886.2	910.6	958.3	995.3	991.0	960.9	885.9	796.0	709.9	622.0
102.5°	859.4	868.2	896.8	941.4	975.4	979.4	957.2	881.7	790.3	704.5	619.7
105°	836.7	851.4	883.4	925.2	957.5	970.3	952.4	875.9	783.6	698.5	616.8
107.5°	815.3	836.1	870.3	909.6	942.1	964.3	946.6	868.3	775.8	691.8	613.3
110°	789.3	815.9	854.2	894.3	929.8	962.0	939.9	858.8	766.9	684.6	609.4



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	758.8	780.2	812.3	847.7	884.3	923.4	899.2	826.0	744.5	669.9	601.3
115°	725.4	742.7	767.9	796.5	826.6	859.7	825.1	758.6	690.1	626.2	567.4
117.5°	687.9	701.4	720.6	742.8	767.2	789.8	752.4	693.2	637.2	583.6	534.2
120°	646.4	655.9	669.7	686.2	705.5	711.7	679.4	630.4	586.2	542.2	501.8
122.5°	601.8	606.4	615.1	626.5	641.1	635.9	608.5	571.5	537.2	502.4	470.3
125°	551.6	552.4	556.6	563.5	573.6	562.7	541.4	515.9	490.8	464.2	440.0
127.5°	496.0	493.3	493.9	497.4	500.5	492.3	478.7	463.5	446.9	428.2	411.0
130°	445.8	429.7	426.7	427.4	427.9	425.5	420.6	414.7	405.6	394.5	383.3
132.5°	420.9	403.7	387.7	373.9	365.0	364.5	368.1	369.6	367.1	362.7	356.6
135°	395.8	379.2	364.5	352.9	344.3	341.1	339.6	338.8	336.6	334.6	330.9
137.5°	369.2	354.5	340.8	331.0	324.3	320.1	318.9	316.9	314.0	311.3	305.6
140°	342.4	328.4	317.6	308.1	302.7	299.2	297.5	294.4	290.9	287.4	280.0
142.5°	314.5	303.0	292.4	285.5	280.1	277.7	275.0	271.2	267.2	263.0	254.1
145°	286.5	276.0	267.9	261.2	257.7	255.3	251.5	247.6	242.7	236.9	227.8
147.5°	257.3	249.0	242.0	237.4	234.8	231.4	227.1	222.5	217.5	210.2	201.2
150°	228.2	221.1	216.3	213.7	210.6	206.4	201.8	196.8	191.9	183.0	174.3
152.5°	198.1	194.1	191.7	188.9	184.8	180.4	175.5	170.3	163.5	155.3	146.3
155°	181.4	175.3	169.0	162.1	157.8	153.1	148.1	142.4	135.0	127.2	118.4
157.5°	168.5	162.1	155.6	149.0	142.2	135.2	128.2	119.7	110.9	102.0	92.6
160°	152.9	146.8	140.8	134.7	128.5	122.1	114.5	106.7	98.7	90.5	82.1
162.5°	136.2	130.4	125.1	119.7	113.8	107.1	100.3	93.3	86.1	78.8	71.3
165°	117.9	113.4	109.4	103.2	97.4	91.6	85.6	79.5	73.3	67.0	60.5
167.5°	99.0	94.6	90.0	85.3	80.5	75.6	70.6	65.5	60.3	55.0	50.5
170°	78.0	74.5	71.0	67.1	63.4	59.5	55.5	51.4	47.2	43.8	40.6
172.5°	56.9	54.4	51.7	49.0	46.2	43.2	40.2	37.8	35.5	33.2	30.7
175°	35.9	34.2	32.5	31.2	29.9	28.5	27.0	25.6	24.0	22.4	20.8
177.5°	17.9	17.3	16.7	16.1	15.4	14.7	14.0	13.3	12.5	11.7	10.9
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: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	10.1	9.2	8.4	7.5	7.5	7.4	7.3	7.2	7.1	7.0	6.9
5°	19.2	17.5	15.8	14.0	13.9	13.8	13.6	13.4	13.2	13.0	12.7
7.5°	28.3	25.7	23.2	20.5	20.3	20.1	19.9	19.6	19.2	18.9	18.5
10°	37.3	34.0	30.5	27.0	26.8	26.5	26.1	25.7	25.2	24.8	24.4
12.5°	46.4	42.2	37.9	33.6	33.2	32.8	32.3	31.8	31.3	30.9	30.4
15°	55.4	50.4	45.3	40.1	39.6	39.1	38.5	37.9	37.4	36.9	36.3
17.5°	64.4	58.5	52.6	46.6	46.0	45.4	44.7	44.1	43.5	42.9	42.2
20°	73.5	66.7	60.0	53.1	52.4	51.7	50.9	50.3	49.6	48.9	48.3
22.5°	83.1	74.8	67.3	59.6	58.8	57.9	57.1	56.4	55.7	55.0	54.4
25°	109.0	99.9	91.8	83.3	81.7	79.6	77.4	75.1	72.6	70.2	67.6
27.5°	136.0	125.6	116.6	107.1	104.5	101.5	98.4	95.0	91.6	88.1	84.5
30°	163.0	151.4	141.3	130.8	127.2	123.2	119.0	114.4	109.9	105.2	100.4
32.5°	189.9	177.4	166.1	154.5	149.8	144.7	139.1	133.3	127.5	121.5	115.6
35°	216.6	203.3	190.8	178.3	172.3	165.9	158.9	151.7	144.4	137.2	130.0
37.5°	243.4	229.2	215.6	202.0	194.7	186.8	178.2	169.5	161.0	152.2	143.4
40°	270.0	255.1	240.4	225.7	217.0	207.5	197.3	186.9	176.6	166.7	156.1
42.5°	296.3	280.8	265.1	249.5	239.2	228.0	216.4	203.8	192.0	180.9	168.1
45°	321.8	306.5	289.9	273.2	261.4	248.3	234.5	220.3	207.0	193.6	179.3
47.5°	343.2	324.6	304.4	285.4	271.2	256.1	240.7	225.8	212.6	199.3	185.1
50°	365.2	342.7	318.9	297.6	280.8	263.0	245.4	229.0	214.6	200.6	185.8
52.5°	388.1	361.2	333.5	309.8	290.3	269.6	249.9	232.2	216.5	202.2	187.1
55°	411.8	380.0	348.1	322.0	299.7	276.1	254.3	235.2	218.5	204.1	189.2
57.5°	436.2	399.1	362.8	334.1	309.0	282.4	258.6	238.2	220.8	206.3	192.0
60°	461.3	418.5	377.5	346.3	318.2	288.5	262.9	241.1	223.3	208.9	196.0
62.5°	486.9	438.0	392.3	358.5	327.3	294.6	267.0	244.0	226.0	212.1	199.6
65°	513.0	457.8	407.1	370.7	336.4	300.5	271.2	246.9	228.9	215.8	204.4
67.5°	539.5	477.6	421.9	382.9	345.5	306.3	275.3	249.8	232.1	219.8	209.6
70°	544.8	481.4	424.8	382.1	342.7	302.9	272.1	247.3	230.7	219.5	210.5
72.5°	548.0	484.4	427.7	381.4	339.8	299.2	268.6	244.4	228.4	217.5	208.9
75°	550.8	487.2	432.3	380.6	337.0	295.7	265.3	241.6	226.2	215.6	207.6
77.5°	553.2	489.6	434.6	379.9	334.2	292.4	262.1	239.2	224.2	213.8	206.4
80°	555.1	493.6	437.0	379.1	331.5	289.2	259.2	236.9	222.3	212.2	205.5
82.5°	558.3	494.8	439.3	378.4	328.8	286.1	256.4	234.9	220.6	210.6	204.7
85°	558.5	495.9	441.7	377.6	326.2	283.3	253.8	233.0	219.1	209.2	204.0
87.5°	558.7	497.1	444.0	376.9	323.7	280.5	251.4	231.4	217.7	208.0	203.5
90°	558.9	498.3	446.4	376.1	321.3	278.0	249.2	229.9	216.4	206.8	203.0
92.5°	558.7	497.1	444.0	376.9	323.7	280.5	251.4	231.4	217.7	208.0	203.5
95°	558.5	495.9	441.7	377.6	326.2	283.3	253.8	233.0	219.1	209.2	204.0
97.5°	558.3	494.8	439.3	378.4	328.8	286.1	256.4	234.9	220.6	210.6	204.7
100°	555.1	493.6	437.0	379.1	331.5	289.2	259.2	236.9	222.3	212.2	205.5
102.5°	553.2	489.6	434.6	379.9	334.2	292.4	262.1	239.2	224.2	213.8	206.4
105°	550.8	487.2	432.3	380.6	337.0	295.7	265.3	241.6	226.2	215.6	207.6
107.5°	548.0	484.4	427.7	381.4	339.8	299.2	268.6	244.4	228.4	217.5	208.9
110°	544.8	481.4	424.8	382.1	342.7	302.9	272.1	247.3	230.7	219.5	210.5



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	539.5	477.6	421.9	382.9	345.5	306.3	275.3	249.8	232.1	219.8	209.6
115°	513.0	457.8	407.1	370.7	336.4	300.5	271.2	246.9	228.9	215.8	204.4
117.5°	486.9	438.0	392.3	358.5	327.3	294.6	267.0	244.0	226.0	212.1	199.6
120°	461.3	418.5	377.5	346.3	318.2	288.5	262.9	241.1	223.3	208.9	196.0
122.5°	436.2	399.1	362.8	334.1	309.0	282.4	258.6	238.2	220.8	206.3	192.0
125°	411.8	380.0	348.1	322.0	299.7	276.1	254.3	235.2	218.5	204.1	189.2
127.5°	388.1	361.2	333.5	309.8	290.3	269.6	249.9	232.2	216.5	202.2	187.1
130°	365.2	342.7	318.9	297.6	280.8	263.0	245.4	229.0	214.6	200.6	185.8
132.5°	343.2	324.6	304.4	285.4	271.2	256.1	240.7	225.8	212.6	199.3	185.1
135°	321.8	306.5	289.9	273.2	261.4	248.3	234.5	220.3	207.0	193.6	179.3
137.5°	296.3	280.8	265.1	249.5	239.2	228.0	216.4	203.8	192.0	180.9	168.1
140°	270.0	255.1	240.4	225.7	217.0	207.5	197.3	186.9	176.6	166.7	156.1
142.5°	243.4	229.2	215.6	202.0	194.7	186.8	178.2	169.5	161.0	152.2	143.4
145°	216.6	203.3	190.8	178.3	172.3	165.9	158.9	151.7	144.4	137.2	130.0
147.5°	189.9	177.4	166.1	154.5	149.8	144.7	139.1	133.3	127.5	121.5	115.6
150°	163.0	151.4	141.3	130.8	127.2	123.2	119.0	114.4	109.9	105.2	100.4
152.5°	136.0	125.6	116.6	107.1	104.5	101.5	98.4	95.0	91.6	88.1	84.5
155°	109.0	99.9	91.8	83.3	81.7	79.6	77.4	75.1	72.6	70.2	67.6
157.5°	83.1	74.8	67.3	59.6	58.8	57.9	57.1	56.4	55.7	55.0	54.4
160°	73.5	66.7	60.0	53.1	52.4	51.7	50.9	50.3	49.6	48.9	48.3
162.5°	64.4	58.5	52.6	46.6	46.0	45.4	44.7	44.1	43.5	42.9	42.2
165°	55.4	50.4	45.3	40.1	39.6	39.1	38.5	37.9	37.4	36.9	36.3
167.5°	46.4	42.2	37.9	33.6	33.2	32.8	32.3	31.8	31.3	30.9	30.4
170°	37.3	34.0	30.5	27.0	26.8	26.5	26.1	25.7	25.2	24.8	24.4
172.5°	28.3	25.7	23.2	20.5	20.3	20.1	19.9	19.6	19.2	18.9	18.5
175°	19.2	17.5	15.8	14.0	13.9	13.8	13.6	13.4	13.2	13.0	12.7
177.5°	10.1	9.2	8.4	7.5	7.5	7.4	7.3	7.2	7.1	7.0	6.9
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: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	6.7	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.8
5°	12.4	12.1	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.4	9.0
7.5°	18.1	17.7	17.4	17.0	16.6	16.1	15.6	15.1	14.6	14.0	13.4
10°	24.0	23.5	23.0	22.5	21.9	21.4	20.7	20.1	19.4	18.7	17.9
12.5°	29.8	29.3	28.7	28.1	27.4	26.7	26.0	25.2	24.2	23.3	22.3
15°	35.7	35.1	34.5	33.8	33.0	32.0	31.0	30.0	28.9	27.7	26.5
17.5°	41.7	41.0	40.3	39.3	38.2	37.1	35.9	34.7	33.4	32.1	30.7
20°	47.7	46.9	45.8	44.7	43.4	42.1	40.8	39.4	37.9	36.6	35.2
22.5°	53.7	52.5	51.3	50.0	48.6	47.1	45.6	44.3	42.9	41.4	39.6
25°	64.7	61.5	58.3	55.2	53.7	52.3	50.9	49.4	47.6	45.7	43.7
27.5°	80.5	76.5	72.4	68.3	64.5	60.9	57.5	54.2	52.2	50.3	48.4
30°	95.5	90.3	85.2	80.1	75.3	70.6	66.2	62.1	58.8	55.7	52.6
32.5°	109.4	103.0	96.6	90.2	84.2	78.4	73.3	68.9	64.8	60.6	56.7
35°	122.3	114.6	106.4	98.7	91.4	84.8	79.2	73.9	68.8	64.3	60.8
37.5°	134.3	124.5	114.7	105.7	97.3	90.2	83.6	77.4	72.2	68.1	64.2
40°	145.2	133.2	121.9	111.4	102.4	94.1	86.7	80.5	75.7	71.2	66.9
42.5°	154.7	140.7	128.0	116.4	106.2	97.3	89.4	83.8	78.6	73.9	69.4
45°	163.1	147.4	132.9	120.6	109.4	99.5	92.7	86.7	81.4	76.4	71.7
47.5°	168.6	152.9	137.6	123.7	112.0	102.7	95.5	89.5	84.0	78.7	74.5
50°	169.7	154.5	140.3	127.1	114.8	105.9	98.5	92.2	86.5	81.7	77.2
52.5°	171.9	157.1	143.6	131.5	121.3	112.9	105.2	97.2	89.3	84.6	79.8
55°	174.8	160.9	148.0	136.7	128.6	121.5	114.4	106.7	98.9	90.8	83.1
57.5°	178.4	165.4	153.6	143.7	136.8	130.9	124.4	116.7	108.1	98.4	89.7
60°	182.7	170.4	159.9	152.0	146.3	141.3	135.2	126.6	115.8	104.9	95.2
62.5°	187.7	176.1	166.9	160.9	156.6	152.2	145.7	135.9	122.6	110.5	99.7
65°	193.4	182.8	174.6	170.4	167.7	163.8	155.9	143.4	128.6	115.2	103.4
67.5°	199.5	190.2	183.8	180.7	179.3	175.9	166.0	150.2	134.1	119.5	106.4
70°	202.0	194.9	191.2	191.0	191.1	187.4	175.7	156.6	138.9	123.2	108.9
72.5°	201.0	194.7	191.4	191.1	192.1	189.5	178.7	161.1	143.5	126.6	111.1
75°	200.2	194.6	191.4	191.0	191.7	188.6	177.9	161.9	145.1	128.6	113.0
77.5°	199.7	194.8	191.3	190.8	191.5	188.5	178.3	163.7	147.2	130.6	115.0
80°	199.5	195.0	191.1	190.5	191.3	189.0	179.9	166.5	149.8	133.2	117.7
82.5°	199.4	195.4	190.9	190.0	191.1	190.0	182.4	170.1	153.0	136.5	120.9
85°	199.6	195.9	190.7	189.5	190.9	191.3	185.7	174.4	156.8	140.4	124.9
87.5°	199.8	196.5	190.6	189.0	190.7	192.8	189.4	179.4	161.3	144.9	129.4
90°	200.1	197.2	190.5	188.5	190.5	194.3	193.4	184.7	166.4	150.1	134.7
92.5°	199.8	196.5	190.6	189.0	190.7	192.8	189.4	179.4	161.3	144.9	129.4
95°	199.6	195.9	190.7	189.5	190.9	191.3	185.7	174.4	156.8	140.4	124.9
97.5°	199.4	195.4	190.9	190.0	191.1	190.0	182.4	170.1	153.0	136.5	120.9
100°	199.5	195.0	191.1	190.5	191.3	189.0	179.9	166.5	149.8	133.2	117.7
102.5°	199.7	194.8	191.3	190.8	191.5	188.5	178.3	163.7	147.2	130.6	115.0
105°	200.2	194.6	191.4	191.0	191.7	188.6	177.9	161.9	145.1	128.6	113.0
107.5°	201.0	194.7	191.4	191.1	192.1	189.5	178.7	161.1	143.5	126.6	111.1
110°	202.0	194.9	191.2	191.0	191.1	187.4	175.7	156.6	138.9	123.2	108.9



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	199.5	190.2	183.8	180.7	179.3	175.9	166.0	150.2	134.1	119.5	106.4
115°	193.4	182.8	174.6	170.4	167.7	163.8	155.9	143.4	128.6	115.2	103.4
117.5°	187.7	176.1	166.9	160.9	156.6	152.2	145.7	135.9	122.6	110.5	99.7
120°	182.7	170.4	159.9	152.0	146.3	141.3	135.2	126.6	115.8	104.9	95.2
122.5°	178.4	165.4	153.6	143.7	136.8	130.9	124.4	116.7	108.1	98.4	89.7
125°	174.8	160.9	148.0	136.7	128.6	121.5	114.4	106.7	98.9	90.8	83.1
127.5°	171.9	157.1	143.6	131.5	121.3	112.9	105.2	97.2	89.3	84.6	79.8
130°	169.7	154.5	140.3	127.1	114.8	105.9	98.5	92.2	86.5	81.7	77.2
132.5°	168.6	152.9	137.6	123.7	112.0	102.7	95.5	89.5	84.0	78.7	74.5
135°	163.1	147.4	132.9	120.6	109.4	99.5	92.7	86.7	81.4	76.4	71.7
137.5°	154.7	140.7	128.0	116.4	106.2	97.3	89.4	83.8	78.6	73.9	69.4
140°	145.2	133.2	121.9	111.4	102.4	94.1	86.7	80.5	75.7	71.2	66.9
142.5°	134.3	124.5	114.7	105.7	97.3	90.2	83.6	77.4	72.2	68.1	64.2
145°	122.3	114.6	106.4	98.7	91.4	84.8	79.2	73.9	68.8	64.3	60.8
147.5°	109.4	103.0	96.6	90.2	84.2	78.4	73.3	68.9	64.8	60.6	56.7
150°	95.5	90.3	85.2	80.1	75.3	70.6	66.2	62.1	58.8	55.7	52.6
152.5°	80.5	76.5	72.4	68.3	64.5	60.9	57.5	54.2	52.2	50.3	48.4
155°	64.7	61.5	58.3	55.2	53.7	52.3	50.9	49.4	47.6	45.7	43.7
157.5°	53.7	52.5	51.3	50.0	48.6	47.1	45.6	44.3	42.9	41.4	39.6
160°	47.7	46.9	45.8	44.7	43.4	42.1	40.8	39.4	37.9	36.6	35.2
162.5°	41.7	41.0	40.3	39.3	38.2	37.1	35.9	34.7	33.4	32.1	30.7
165°	35.7	35.1	34.5	33.8	33.0	32.0	31.0	30.0	28.9	27.7	26.5
167.5°	29.8	29.3	28.7	28.1	27.4	26.7	26.0	25.2	24.2	23.3	22.3
170°	24.0	23.5	23.0	22.5	21.9	21.4	20.7	20.1	19.4	18.7	17.9
172.5°	18.1	17.7	17.4	17.0	16.6	16.1	15.6	15.1	14.6	14.0	13.4
175°	12.4	12.1	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.4	9.0
177.5°	6.7	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.8
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: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	4.6	4.4	4.1	3.9	3.6	3.3	3.1	2.8	2.5	2.3	2.0
5°	8.6	8.2	7.7	7.3	6.8	6.4	5.9	5.4	4.9	4.3	3.8
7.5°	12.8	12.2	11.6	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
10°	17.1	16.3	15.4	14.5	13.6	12.6	11.6	10.6	9.6	8.6	7.6
12.5°	21.2	20.2	19.1	17.9	16.8	15.6	14.4	13.1	11.9	10.6	9.3
15°	25.3	24.0	22.7	21.3	20.0	18.6	17.2	15.7	14.3	12.8	11.2
17.5°	29.3	27.9	26.5	25.0	23.4	21.8	20.1	18.4	16.6	14.9	13.0
20°	33.6	32.0	30.3	28.5	26.6	24.8	22.9	20.9	19.0	17.0	15.0
22.5°	37.7	35.8	33.9	32.0	30.1	28.0	25.9	23.7	21.4	19.0	16.7
25°	41.9	40.0	38.0	35.7	33.3	30.8	28.2	25.7	23.3	20.8	18.2
27.5°	46.4	43.8	41.2	38.5	35.9	33.4	30.8	28.2	25.4	22.6	19.8
30°	49.8	47.0	44.4	41.8	39.1	36.1	33.2	30.2	27.2	24.2	21.1
32.5°	53.6	50.7	47.9	44.7	41.6	38.4	35.2	32.0	28.8	25.6	22.4
35°	57.5	54.0	50.7	47.3	43.9	40.5	37.2	33.8	30.4	27.0	23.5
37.5°	60.3	56.6	53.1	49.6	46.2	42.7	39.0	35.2	31.4	27.7	24.2
40°	62.8	58.9	55.3	51.7	48.1	44.1	40.1	36.3	32.6	28.9	25.2
42.5°	65.1	61.3	57.5	53.4	49.3	45.4	41.7	37.7	33.6	29.5	25.6
45°	67.7	63.6	59.3	55.1	51.1	47.0	42.7	38.4	34.4	30.5	26.8
47.5°	70.2	65.7	61.3	57.1	52.7	48.1	43.7	39.6	35.5	31.5	27.6
50°	72.5	68.0	63.5	58.8	54.1	49.5	45.0	40.8	36.6	32.4	28.3
52.5°	75.1	70.4	65.5	60.5	55.5	50.9	46.4	41.9	37.5	33.5	29.6
55°	77.7	72.6	67.4	62.0	57.1	52.4	47.7	43.2	39.2	35.0	30.7
57.5°	82.0	75.1	69.1	63.9	58.9	53.9	49.3	45.1	40.4	35.8	30.8
60°	86.6	78.5	71.5	65.8	60.5	55.8	51.2	46.2	41.0	35.5	30.6
62.5°	89.9	80.9	73.5	67.4	62.4	57.8	52.6	46.7	40.7	35.6	30.7
65°	92.4	82.9	75.0	68.5	63.3	58.4	53.1	46.6	41.0	35.3	29.9
67.5°	94.4	84.1	76.0	69.3	63.2	57.3	51.3	46.6	40.6	34.5	28.8
70°	96.0	85.4	76.8	69.5	62.5	55.4	49.6	44.3	39.2	33.6	27.6
72.5°	97.1	86.5	77.4	69.1	61.1	53.7	47.7	42.0	36.6	31.5	26.3
75°	98.7	87.5	77.8	68.5	59.5	52.2	45.9	39.9	34.1	28.7	24.2
77.5°	101.0	89.1	78.2	67.8	58.3	50.9	44.4	38.1	31.9	26.3	21.8
80°	103.5	90.8	78.8	67.6	57.7	49.7	42.9	36.6	30.1	24.1	19.4
82.5°	106.2	92.6	79.6	67.7	57.2	48.3	40.7	34.1	27.9	22.2	16.9
85°	109.4	94.8	80.7	68.2	56.8	47.2	38.9	32.0	25.9	20.8	15.9
87.5°	113.0	97.6	82.3	69.4	56.9	46.4	37.4	30.6	24.6	20.1	16.2
90°	117.4	101.0	84.7	71.2	57.7	46.2	36.6	29.8	24.0	20.2	17.3
92.5°	113.0	97.6	82.3	69.4	56.9	46.4	37.4	30.6	24.6	20.1	16.2
95°	109.4	94.8	80.7	68.2	56.8	47.2	38.9	32.0	25.9	20.8	15.9
97.5°	106.2	92.6	79.6	67.7	57.2	48.3	40.7	34.1	27.9	22.2	16.9
100°	103.5	90.8	78.8	67.6	57.7	49.7	42.9	36.6	30.1	24.1	19.4
102.5°	101.0	89.1	78.2	67.8	58.3	50.9	44.4	38.1	31.9	26.3	21.8
105°	98.7	87.5	77.8	68.5	59.5	52.2	45.9	39.9	34.1	28.7	24.2
107.5°	97.1	86.5	77.4	69.1	61.1	53.7	47.7	42.0	36.6	31.5	26.3
110°	96.0	85.4	76.8	69.5	62.5	55.4	49.6	44.3	39.2	33.6	27.6





TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	94.4	84.1	76.0	69.3	63.2	57.3	51.3	46.6	40.6	34.5	28.8
115°	92.4	82.9	75.0	68.5	63.3	58.4	53.1	46.6	41.0	35.3	29.9
117.5°	89.9	80.9	73.5	67.4	62.4	57.8	52.6	46.7	40.7	35.6	30.7
120°	86.6	78.5	71.5	65.8	60.5	55.8	51.2	46.2	41.0	35.5	30.6
122.5°	82.0	75.1	69.1	63.9	58.9	53.9	49.3	45.1	40.4	35.8	30.8
125°	77.7	72.6	67.4	62.0	57.1	52.4	47.7	43.2	39.2	35.0	30.7
127.5°	75.1	70.4	65.5	60.5	55.5	50.9	46.4	41.9	37.5	33.5	29.6
130°	72.5	68.0	63.5	58.8	54.1	49.5	45.0	40.8	36.6	32.4	28.3
132.5°	70.2	65.7	61.3	57.1	52.7	48.1	43.7	39.6	35.5	31.5	27.6
135°	67.7	63.6	59.3	55.1	51.1	47.0	42.7	38.4	34.4	30.5	26.8
137.5°	65.1	61.3	57.5	53.4	49.3	45.4	41.7	37.7	33.6	29.5	25.6
140°	62.8	58.9	55.3	51.7	48.1	44.1	40.1	36.3	32.6	28.9	25.2
142.5°	60.3	56.6	53.1	49.6	46.2	42.7	39.0	35.2	31.4	27.7	24.2
145°	57.5	54.0	50.7	47.3	43.9	40.5	37.2	33.8	30.4	27.0	23.5
147.5°	53.6	50.7	47.9	44.7	41.6	38.4	35.2	32.0	28.8	25.6	22.4
150°	49.8	47.0	44.4	41.8	39.1	36.1	33.2	30.2	27.2	24.2	21.1
152.5°	46.4	43.8	41.2	38.5	35.9	33.4	30.8	28.2	25.4	22.6	19.8
155°	41.9	40.0	38.0	35.7	33.3	30.8	28.2	25.7	23.3	20.8	18.2
157.5°	37.7	35.8	33.9	32.0	30.1	28.0	25.9	23.7	21.4	19.0	16.7
160°	33.6	32.0	30.3	28.5	26.6	24.8	22.9	20.9	19.0	17.0	15.0
162.5°	29.3	27.9	26.5	25.0	23.4	21.8	20.1	18.4	16.6	14.9	13.0
165°	25.3	24.0	22.7	21.3	20.0	18.6	17.2	15.7	14.3	12.8	11.2
167.5°	21.2	20.2	19.1	17.9	16.8	15.6	14.4	13.1	11.9	10.6	9.3
170°	17.1	16.3	15.4	14.5	13.6	12.6	11.6	10.6	9.6	8.6	7.6
172.5°	12.8	12.2	11.6	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
175°	8.6	8.2	7.7	7.3	6.8	6.4	5.9	5.4	4.9	4.3	3.8
177.5°	4.6	4.4	4.1	3.9	3.6	3.3	3.1	2.8	2.5	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: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
5°	3.3	2.7	2.2	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.2
7.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
10°	6.5	5.4	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
12.5°	8.0	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
15°	9.7	8.1	6.5	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.5
17.5°	11.2	9.4	7.5	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.5
20°	12.9	10.8	8.7	6.5	4.4	2.2	0.0	2.2	4.4	6.5	8.7
22.5°	14.3	11.9	9.5	7.2	4.8	2.4	0.0	2.4	4.8	7.2	9.5
25°	15.7	13.1	10.5	7.9	5.3	2.6	0.0	2.6	5.3	7.9	10.5
27.5°	17.0	14.2	11.4	8.5	5.7	2.8	0.0	2.8	5.7	8.5	11.4
30°	18.1	15.1	12.1	9.1	6.0	3.0	0.0	3.0	6.0	9.1	12.1
32.5°	19.2	16.0	12.8	9.6	6.4	3.2	0.0	3.2	6.4	9.6	12.8
35°	20.0	16.6	13.3	9.9	6.6	3.3	0.0	3.3	6.6	9.9	13.3
37.5°	20.7	17.3	13.8	10.3	6.9	3.4	0.0	3.4	6.9	10.3	13.8
40°	21.4	17.8	14.1	10.5	7.0	3.5	0.0	3.5	7.0	10.5	14.1
42.5°	22.0	18.5	15.0	11.5	8.0	4.5	1.0	4.5	8.0	11.5	15.0
45°	23.0	19.3	15.6	11.9	8.3	4.6	1.0	4.6	8.3	11.9	15.6
47.5°	23.7	19.8	16.0	12.2	8.5	4.7	1.0	4.7	8.5	12.2	16.0
50°	24.3	20.5	16.7	12.8	8.9	4.9	1.0	4.9	8.9	12.8	16.7
52.5°	25.7	21.5	17.3	13.2	9.1	5.0	1.0	5.0	9.1	13.2	17.3
55°	26.3	21.8	17.4	13.1	9.0	5.0	1.0	5.0	9.0	13.1	17.4
57.5°	26.1	21.6	17.3	13.1	9.1	5.0	1.0	5.0	9.1	13.1	17.3
60°	26.2	21.8	17.3	13.0	8.9	4.9	1.0	4.9	8.9	13.0	17.3
62.5°	25.8	21.2	16.7	12.5	8.5	4.7	1.0	4.7	8.5	12.5	16.7
65°	24.9	20.3	16.0	11.8	8.0	4.5	1.0	4.5	8.0	11.8	16.0
67.5°	23.7	19.1	15.2	11.5	8.1	5.0	1.9	5.0	8.1	11.5	15.2
70°	22.3	18.1	14.6	11.2	7.9	4.9	1.9	4.9	7.9	11.2	14.6
72.5°	21.3	17.3	13.7	10.7	7.5	4.6	1.9	4.6	7.5	10.7	13.7
75°	20.5	16.4	12.8	9.6	6.5	4.0	1.9	4.0	6.5	9.6	12.8
77.5°	18.3	15.4	11.8	7.2	2.5	0.4	0.0	0.4	2.5	7.2	11.8
80°	15.4	12.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
82.5°	12.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	11.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	10.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	12.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	15.4	12.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
102.5°	18.3	15.4	11.8	7.2	2.5	0.4	0.0	0.4	2.5	7.2	11.8
105°	20.5	16.4	12.8	9.6	6.5	4.0	1.9	4.0	6.5	9.6	12.8
107.5°	21.3	17.3	13.7	10.7	7.5	4.6	1.9	4.6	7.5	10.7	13.7
110°	22.3	18.1	14.6	11.2	7.9	4.9	1.9	4.9	7.9	11.2	14.6



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	23.7	19.1	15.2	11.5	8.1	5.0	1.9	5.0	8.1	11.5	15.2
115°	24.9	20.3	16.0	11.8	8.0	4.5	1.0	4.5	8.0	11.8	16.0
117.5°	25.8	21.2	16.7	12.5	8.5	4.7	1.0	4.7	8.5	12.5	16.7
120°	26.2	21.8	17.3	13.0	8.9	4.9	1.0	4.9	8.9	13.0	17.3
122.5°	26.1	21.6	17.3	13.1	9.1	5.0	1.0	5.0	9.1	13.1	17.3
125°	26.3	21.8	17.4	13.1	9.0	5.0	1.0	5.0	9.0	13.1	17.4
127.5°	25.7	21.5	17.3	13.2	9.1	5.0	1.0	5.0	9.1	13.2	17.3
130°	24.3	20.5	16.7	12.8	8.9	4.9	1.0	4.9	8.9	12.8	16.7
132.5°	23.7	19.8	16.0	12.2	8.5	4.7	1.0	4.7	8.5	12.2	16.0
135°	23.0	19.3	15.6	11.9	8.3	4.6	1.0	4.6	8.3	11.9	15.6
137.5°	22.0	18.5	15.0	11.5	8.0	4.5	1.0	4.5	8.0	11.5	15.0
140°	21.4	17.8	14.1	10.5	7.0	3.5	0.0	3.5	7.0	10.5	14.1
142.5°	20.7	17.3	13.8	10.3	6.9	3.4	0.0	3.4	6.9	10.3	13.8
145°	20.0	16.6	13.3	9.9	6.6	3.3	0.0	3.3	6.6	9.9	13.3
147.5°	19.2	16.0	12.8	9.6	6.4	3.2	0.0	3.2	6.4	9.6	12.8
150°	18.1	15.1	12.1	9.1	6.0	3.0	0.0	3.0	6.0	9.1	12.1
152.5°	17.0	14.2	11.4	8.5	5.7	2.8	0.0	2.8	5.7	8.5	11.4
155°	15.7	13.1	10.5	7.9	5.3	2.6	0.0	2.6	5.3	7.9	10.5
157.5°	14.3	11.9	9.5	7.2	4.8	2.4	0.0	2.4	4.8	7.2	9.5
160°	12.9	10.8	8.7	6.5	4.4	2.2	0.0	2.2	4.4	6.5	8.7
162.5°	11.2	9.4	7.5	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.5
165°	9.7	8.1	6.5	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.5
167.5°	8.0	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
170°	6.5	5.4	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
172.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
175°	3.3	2.7	2.2	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.2
177.5°	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
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: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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	2.5	2.8	3.1	3.3	3.6	3.9	4.1
5°	2.7	3.3	3.8	4.3	4.9	5.4	5.9	6.4	6.8	7.3	7.7
7.5°	4.1	4.9	5.7	6.5	7.3	8.0	8.8	9.5	10.2	10.9	11.6
10°	5.4	6.5	7.6	8.6	9.6	10.6	11.6	12.6	13.6	14.5	15.4
12.5°	6.7	8.0	9.3	10.6	11.9	13.1	14.4	15.6	16.8	17.9	19.1
15°	8.1	9.7	11.2	12.8	14.3	15.7	17.2	18.6	20.0	21.3	22.7
17.5°	9.4	11.2	13.0	14.9	16.6	18.4	20.1	21.8	23.4	25.0	26.5
20°	10.8	12.9	15.0	17.0	19.0	20.9	22.9	24.8	26.6	28.5	30.3
22.5°	11.9	14.3	16.7	19.0	21.4	23.7	25.9	28.0	30.1	32.0	33.9
25°	13.1	15.7	18.2	20.8	23.3	25.7	28.2	30.8	33.3	35.7	38.0
27.5°	14.2	17.0	19.8	22.6	25.4	28.2	30.8	33.4	35.9	38.5	41.2
30°	15.1	18.1	21.1	24.2	27.2	30.2	33.2	36.1	39.1	41.8	44.4
32.5°	16.0	19.2	22.4	25.6	28.8	32.0	35.2	38.4	41.6	44.7	47.9
35°	16.6	20.0	23.5	27.0	30.4	33.8	37.2	40.5	43.9	47.3	50.7
37.5°	17.3	20.7	24.2	27.7	31.4	35.2	39.0	42.7	46.2	49.6	53.1
40°	17.8	21.4	25.2	28.9	32.6	36.3	40.1	44.1	48.1	51.7	55.3
42.5°	18.5	22.0	25.6	29.5	33.6	37.7	41.7	45.4	49.3	53.4	57.5
45°	19.3	23.0	26.8	30.5	34.4	38.4	42.7	47.0	51.1	55.1	59.3
47.5°	19.8	23.7	27.6	31.5	35.5	39.6	43.7	48.1	52.7	57.1	61.3
50°	20.5	24.3	28.3	32.4	36.6	40.8	45.0	49.5	54.1	58.8	63.5
52.5°	21.5	25.7	29.6	33.5	37.5	41.9	46.4	50.9	55.5	60.5	65.5
55°	21.8	26.3	30.7	35.0	39.2	43.2	47.7	52.4	57.1	62.0	67.4
57.5°	21.6	26.1	30.8	35.8	40.4	45.1	49.3	53.9	58.9	63.9	69.1
60°	21.8	26.2	30.6	35.5	41.0	46.2	51.2	55.8	60.5	65.8	71.5
62.5°	21.2	25.8	30.7	35.6	40.7	46.7	52.6	57.8	62.4	67.4	73.5
65°	20.3	24.9	29.9	35.3	41.0	46.6	53.1	58.4	63.3	68.5	75.0
67.5°	19.1	23.7	28.8	34.5	40.6	46.6	51.3	57.3	63.2	69.3	76.0
70°	18.1	22.3	27.6	33.6	39.2	44.3	49.6	55.4	62.5	69.5	76.8
72.5°	17.3	21.3	26.3	31.5	36.6	42.0	47.7	53.7	61.1	69.1	77.4
75°	16.4	20.5	24.2	28.7	34.1	39.9	45.9	52.2	59.5	68.5	77.8
77.5°	15.4	18.3	21.8	26.3	31.9	38.1	44.4	50.9	58.3	67.8	78.2
80°	12.8	15.4	19.4	24.1	30.1	36.6	42.9	49.7	57.7	67.6	78.8
82.5°	8.3	12.5	16.9	22.2	27.9	34.1	40.7	48.3	57.2	67.7	79.6
85°	3.3	10.9	15.9	20.8	25.9	32.0	38.9	47.2	56.8	68.2	80.7
87.5°	1.0	11.3	16.2	20.1	24.6	30.6	37.4	46.4	56.9	69.4	82.3
90°	0.0	12.5	17.3	20.2	24.0	29.8	36.6	46.2	57.7	71.2	84.7
92.5°	1.0	11.3	16.2	20.1	24.6	30.6	37.4	46.4	56.9	69.4	82.3
95°	3.3	10.9	15.9	20.8	25.9	32.0	38.9	47.2	56.8	68.2	80.7
97.5°	8.3	12.5	16.9	22.2	27.9	34.1	40.7	48.3	57.2	67.7	79.6
100°	12.8	15.4	19.4	24.1	30.1	36.6	42.9	49.7	57.7	67.6	78.8
102.5°	15.4	18.3	21.8	26.3	31.9	38.1	44.4	50.9	58.3	67.8	78.2
105°	16.4	20.5	24.2	28.7	34.1	39.9	45.9	52.2	59.5	68.5	77.8
107.5°	17.3	21.3	26.3	31.5	36.6	42.0	47.7	53.7	61.1	69.1	77.4
110°	18.1	22.3	27.6	33.6	39.2	44.3	49.6	55.4	62.5	69.5	76.8



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	19.1	23.7	28.8	34.5	40.6	46.6	51.3	57.3	63.2	69.3	76.0
115°	20.3	24.9	29.9	35.3	41.0	46.6	53.1	58.4	63.3	68.5	75.0
117.5°	21.2	25.8	30.7	35.6	40.7	46.7	52.6	57.8	62.4	67.4	73.5
120°	21.8	26.2	30.6	35.5	41.0	46.2	51.2	55.8	60.5	65.8	71.5
122.5°	21.6	26.1	30.8	35.8	40.4	45.1	49.3	53.9	58.9	63.9	69.1
125°	21.8	26.3	30.7	35.0	39.2	43.2	47.7	52.4	57.1	62.0	67.4
127.5°	21.5	25.7	29.6	33.5	37.5	41.9	46.4	50.9	55.5	60.5	65.5
130°	20.5	24.3	28.3	32.4	36.6	40.8	45.0	49.5	54.1	58.8	63.5
132.5°	19.8	23.7	27.6	31.5	35.5	39.6	43.7	48.1	52.7	57.1	61.3
135°	19.3	23.0	26.8	30.5	34.4	38.4	42.7	47.0	51.1	55.1	59.3
137.5°	18.5	22.0	25.6	29.5	33.6	37.7	41.7	45.4	49.3	53.4	57.5
140°	17.8	21.4	25.2	28.9	32.6	36.3	40.1	44.1	48.1	51.7	55.3
142.5°	17.3	20.7	24.2	27.7	31.4	35.2	39.0	42.7	46.2	49.6	53.1
145°	16.6	20.0	23.5	27.0	30.4	33.8	37.2	40.5	43.9	47.3	50.7
147.5°	16.0	19.2	22.4	25.6	28.8	32.0	35.2	38.4	41.6	44.7	47.9
150°	15.1	18.1	21.1	24.2	27.2	30.2	33.2	36.1	39.1	41.8	44.4
152.5°	14.2	17.0	19.8	22.6	25.4	28.2	30.8	33.4	35.9	38.5	41.2
155°	13.1	15.7	18.2	20.8	23.3	25.7	28.2	30.8	33.3	35.7	38.0
157.5°	11.9	14.3	16.7	19.0	21.4	23.7	25.9	28.0	30.1	32.0	33.9
160°	10.8	12.9	15.0	17.0	19.0	20.9	22.9	24.8	26.6	28.5	30.3
162.5°	9.4	11.2	13.0	14.9	16.6	18.4	20.1	21.8	23.4	25.0	26.5
165°	8.1	9.7	11.2	12.8	14.3	15.7	17.2	18.6	20.0	21.3	22.7
167.5°	6.7	8.0	9.3	10.6	11.9	13.1	14.4	15.6	16.8	17.9	19.1
170°	5.4	6.5	7.6	8.6	9.6	10.6	11.6	12.6	13.6	14.5	15.4
172.5°	4.1	4.9	5.7	6.5	7.3	8.0	8.8	9.5	10.2	10.9	11.6
175°	2.7	3.3	3.8	4.3	4.9	5.4	5.9	6.4	6.8	7.3	7.7
177.5°	1.4	1.7	2.0	2.3	2.5	2.8	3.1	3.3	3.6	3.9	4.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	4.4	4.6	4.8	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.4
5°	8.2	8.6	9.0	9.4	9.8	10.1	10.5	10.8	11.1	11.5	11.8
7.5°	12.2	12.8	13.4	14.0	14.6	15.1	15.6	16.1	16.6	17.0	17.4
10°	16.3	17.1	17.9	18.7	19.4	20.1	20.7	21.4	21.9	22.5	23.0
12.5°	20.2	21.2	22.3	23.3	24.2	25.2	26.0	26.7	27.4	28.1	28.7
15°	24.0	25.3	26.5	27.7	28.9	30.0	31.0	32.0	33.0	33.8	34.5
17.5°	27.9	29.3	30.7	32.1	33.4	34.7	35.9	37.1	38.2	39.3	40.3
20°	32.0	33.6	35.2	36.6	37.9	39.4	40.8	42.1	43.4	44.7	45.8
22.5°	35.8	37.7	39.6	41.4	42.9	44.3	45.6	47.1	48.6	50.0	51.3
25°	40.0	41.9	43.7	45.7	47.6	49.4	50.9	52.3	53.7	55.2	58.3
27.5°	43.8	46.4	48.4	50.3	52.2	54.2	57.5	60.9	64.5	68.3	72.4
30°	47.0	49.8	52.6	55.7	58.8	62.1	66.2	70.6	75.3	80.1	85.2
32.5°	50.7	53.6	56.7	60.6	64.8	68.9	73.3	78.4	84.2	90.2	96.6
35°	54.0	57.5	60.8	64.3	68.8	73.9	79.2	84.8	91.4	98.7	106.4
37.5°	56.6	60.3	64.2	68.1	72.2	77.4	83.6	90.2	97.3	105.7	114.7
40°	58.9	62.8	66.9	71.2	75.7	80.5	86.7	94.1	102.4	111.4	121.9
42.5°	61.3	65.1	69.4	73.9	78.6	83.8	89.4	97.3	106.2	116.4	128.0
45°	63.6	67.7	71.7	76.4	81.4	86.7	92.7	99.5	109.4	120.6	132.9
47.5°	65.7	70.2	74.5	78.7	84.0	89.5	95.5	102.7	112.0	123.7	137.6
50°	68.0	72.5	77.2	81.7	86.5	92.2	98.5	105.9	114.8	127.1	140.3
52.5°	70.4	75.1	79.8	84.6	89.3	97.2	105.2	112.9	121.3	131.5	143.6
55°	72.6	77.7	83.1	90.8	98.9	106.7	114.4	121.5	128.6	136.7	148.0
57.5°	75.1	82.0	89.7	98.4	108.1	116.7	124.4	130.9	136.8	143.7	153.6
60°	78.5	86.6	95.2	104.9	115.8	126.6	135.2	141.3	146.3	152.0	159.9
62.5°	80.9	89.9	99.7	110.5	122.6	135.9	145.7	152.2	156.6	160.9	166.9
65°	82.9	92.4	103.4	115.2	128.6	143.4	155.9	163.8	167.7	170.4	174.6
67.5°	84.1	94.4	106.4	119.5	134.1	150.2	166.0	175.9	179.3	180.7	183.8
70°	85.4	96.0	108.9	123.2	138.9	156.6	175.7	187.4	191.1	191.0	191.2
72.5°	86.5	97.1	111.1	126.6	143.5	161.1	178.7	189.5	192.1	191.1	191.4
75°	87.5	98.7	113.0	128.6	145.1	161.9	177.9	188.6	191.7	191.0	191.4
77.5°	89.1	101.0	115.0	130.6	147.2	163.7	178.3	188.5	191.5	190.8	191.3
80°	90.8	103.5	117.7	133.2	149.8	166.5	179.9	189.0	191.3	190.5	191.1
82.5°	92.6	106.2	120.9	136.5	153.0	170.1	182.4	190.0	191.1	190.0	190.9
85°	94.8	109.4	124.9	140.4	156.8	174.4	185.7	191.3	190.9	189.5	190.7
87.5°	97.6	113.0	129.4	144.9	161.3	179.4	189.4	192.8	190.7	189.0	190.6
90°	101.0	117.4	134.7	150.1	166.4	184.7	193.4	194.3	190.5	188.5	190.5
92.5°	97.6	113.0	129.4	144.9	161.3	179.4	189.4	192.8	190.7	189.0	190.6
95°	94.8	109.4	124.9	140.4	156.8	174.4	185.7	191.3	190.9	189.5	190.7
97.5°	92.6	106.2	120.9	136.5	153.0	170.1	182.4	190.0	191.1	190.0	190.9
100°	90.8	103.5	117.7	133.2	149.8	166.5	179.9	189.0	191.3	190.5	191.1
102.5°	89.1	101.0	115.0	130.6	147.2	163.7	178.3	188.5	191.5	190.8	191.3
105°	87.5	98.7	113.0	128.6	145.1	161.9	177.9	188.6	191.7	191.0	191.4
107.5°	86.5	97.1	111.1	126.6	143.5	161.1	178.7	189.5	192.1	191.1	191.4
110°	85.4	96.0	108.9	123.2	138.9	156.6	175.7	187.4	191.1	191.0	191.2



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	84.1	94.4	106.4	119.5	134.1	150.2	166.0	175.9	179.3	180.7	183.8
115°	82.9	92.4	103.4	115.2	128.6	143.4	155.9	163.8	167.7	170.4	174.6
117.5°	80.9	89.9	99.7	110.5	122.6	135.9	145.7	152.2	156.6	160.9	166.9
120°	78.5	86.6	95.2	104.9	115.8	126.6	135.2	141.3	146.3	152.0	159.9
122.5°	75.1	82.0	89.7	98.4	108.1	116.7	124.4	130.9	136.8	143.7	153.6
125°	72.6	77.7	83.1	90.8	98.9	106.7	114.4	121.5	128.6	136.7	148.0
127.5°	70.4	75.1	79.8	84.6	89.3	97.2	105.2	112.9	121.3	131.5	143.6
130°	68.0	72.5	77.2	81.7	86.5	92.2	98.5	105.9	114.8	127.1	140.3
132.5°	65.7	70.2	74.5	78.7	84.0	89.5	95.5	102.7	112.0	123.7	137.6
135°	63.6	67.7	71.7	76.4	81.4	86.7	92.7	99.5	109.4	120.6	132.9
137.5°	61.3	65.1	69.4	73.9	78.6	83.8	89.4	97.3	106.2	116.4	128.0
140°	58.9	62.8	66.9	71.2	75.7	80.5	86.7	94.1	102.4	111.4	121.9
142.5°	56.6	60.3	64.2	68.1	72.2	77.4	83.6	90.2	97.3	105.7	114.7
145°	54.0	57.5	60.8	64.3	68.8	73.9	79.2	84.8	91.4	98.7	106.4
147.5°	50.7	53.6	56.7	60.6	64.8	68.9	73.3	78.4	84.2	90.2	96.6
150°	47.0	49.8	52.6	55.7	58.8	62.1	66.2	70.6	75.3	80.1	85.2
152.5°	43.8	46.4	48.4	50.3	52.2	54.2	57.5	60.9	64.5	68.3	72.4
155°	40.0	41.9	43.7	45.7	47.6	49.4	50.9	52.3	53.7	55.2	58.3
157.5°	35.8	37.7	39.6	41.4	42.9	44.3	45.6	47.1	48.6	50.0	51.3
160°	32.0	33.6	35.2	36.6	37.9	39.4	40.8	42.1	43.4	44.7	45.8
162.5°	27.9	29.3	30.7	32.1	33.4	34.7	35.9	37.1	38.2	39.3	40.3
165°	24.0	25.3	26.5	27.7	28.9	30.0	31.0	32.0	33.0	33.8	34.5
167.5°	20.2	21.2	22.3	23.3	24.2	25.2	26.0	26.7	27.4	28.1	28.7
170°	16.3	17.1	17.9	18.7	19.4	20.1	20.7	21.4	21.9	22.5	23.0
172.5°	12.2	12.8	13.4	14.0	14.6	15.1	15.6	16.1	16.6	17.0	17.4
175°	8.2	8.6	9.0	9.4	9.8	10.1	10.5	10.8	11.1	11.5	11.8
177.5°	4.4	4.6	4.8	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	6.6	6.7	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.5	8.4
5°	12.1	12.4	12.7	13.0	13.2	13.4	13.6	13.8	13.9	14.0	15.8
7.5°	17.7	18.1	18.5	18.9	19.2	19.6	19.9	20.1	20.3	20.5	23.2
10°	23.5	24.0	24.4	24.8	25.2	25.7	26.1	26.5	26.8	27.0	30.5
12.5°	29.3	29.8	30.4	30.9	31.3	31.8	32.3	32.8	33.2	33.6	37.9
15°	35.1	35.7	36.3	36.9	37.4	37.9	38.5	39.1	39.6	40.1	45.3
17.5°	41.0	41.7	42.2	42.9	43.5	44.1	44.7	45.4	46.0	46.6	52.6
20°	46.9	47.7	48.3	48.9	49.6	50.3	50.9	51.7	52.4	53.1	60.0
22.5°	52.5	53.7	54.4	55.0	55.7	56.4	57.1	57.9	58.8	59.6	67.3
25°	61.5	64.7	67.6	70.2	72.6	75.1	77.4	79.6	81.7	83.3	91.8
27.5°	76.5	80.5	84.5	88.1	91.6	95.0	98.4	101.5	104.5	107.1	116.6
30°	90.3	95.5	100.4	105.2	109.9	114.4	119.0	123.2	127.2	130.8	141.3
32.5°	103.0	109.4	115.6	121.5	127.5	133.3	139.1	144.7	149.8	154.5	166.1
35°	114.6	122.3	130.0	137.2	144.4	151.7	158.9	165.9	172.3	178.3	190.8
37.5°	124.5	134.3	143.4	152.2	161.0	169.5	178.2	186.8	194.7	202.0	215.6
40°	133.2	145.2	156.1	166.7	176.6	186.9	197.3	207.5	217.0	225.7	240.4
42.5°	140.7	154.7	168.1	180.9	192.0	203.8	216.4	228.0	239.2	249.5	265.1
45°	147.4	163.1	179.3	193.6	207.0	220.3	234.5	248.3	261.4	273.2	289.9
47.5°	152.9	168.6	185.1	199.3	212.6	225.8	240.7	256.1	271.2	285.4	304.4
50°	154.5	169.7	185.8	200.6	214.6	229.0	245.4	263.0	280.8	297.6	318.9
52.5°	157.1	171.9	187.1	202.2	216.5	232.2	249.9	269.6	290.3	309.8	333.5
55°	160.9	174.8	189.2	204.1	218.5	235.2	254.3	276.1	299.7	322.0	348.1
57.5°	165.4	178.4	192.0	206.3	220.8	238.2	258.6	282.4	309.0	334.1	362.8
60°	170.4	182.7	196.0	208.9	223.3	241.1	262.9	288.5	318.2	346.3	377.5
62.5°	176.1	187.7	199.6	212.1	226.0	244.0	267.0	294.6	327.3	358.5	392.3
65°	182.8	193.4	204.4	215.8	228.9	246.9	271.2	300.5	336.4	370.7	407.1
67.5°	190.2	199.5	209.6	219.8	232.1	249.8	275.3	306.3	345.5	382.9	421.9
70°	194.9	202.0	210.5	219.5	230.7	247.3	272.1	302.9	342.7	382.1	424.8
72.5°	194.7	201.0	208.9	217.5	228.4	244.4	268.6	299.2	339.8	381.4	427.6
75°	194.6	200.2	207.6	215.6	226.2	241.6	265.3	295.7	337.0	380.6	432.3
77.5°	194.8	199.7	206.4	213.8	224.2	239.2	262.1	292.4	334.2	379.9	434.6
80°	195.0	199.5	205.5	212.2	222.3	236.9	259.2	289.2	331.5	379.1	437.0
82.5°	195.4	199.4	204.7	210.6	220.6	234.9	256.4	286.1	328.8	378.4	439.3
85°	195.9	199.6	204.0	209.2	219.1	233.0	253.8	283.3	326.2	377.6	441.7
87.5°	196.5	199.8	203.5	208.0	217.7	231.4	251.4	280.5	323.7	376.9	444.0
90°	197.2	200.1	203.0	206.8	216.4	229.9	249.2	278.0	321.3	376.1	446.4
92.5°	196.5	199.8	203.5	208.0	217.7	231.4	251.4	280.5	323.7	376.9	444.0
95°	195.9	199.6	204.0	209.2	219.1	233.0	253.8	283.3	326.2	377.6	441.7
97.5°	195.4	199.4	204.7	210.6	220.6	234.9	256.4	286.1	328.8	378.4	439.3
100°	195.0	199.5	205.5	212.2	222.3	236.9	259.2	289.2	331.5	379.1	437.0
102.5°	194.8	199.7	206.4	213.8	224.2	239.2	262.1	292.4	334.2	379.9	434.6
105°	194.6	200.2	207.6	215.6	226.2	241.6	265.3	295.7	337.0	380.6	432.3
107.5°	194.7	201.0	208.9	217.5	228.4	244.4	268.6	299.2	339.8	381.4	427.6
110°	194.9	202.0	210.5	219.5	230.7	247.3	272.1	302.9	342.7	382.1	424.8





TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	190.2	199.5	209.6	219.8	232.1	249.8	275.3	306.3	345.5	382.9	421.9
115°	182.8	193.4	204.4	215.8	228.9	246.9	271.2	300.5	336.4	370.7	407.1
117.5°	176.1	187.7	199.6	212.1	226.0	244.0	267.0	294.6	327.3	358.5	392.3
120°	170.4	182.7	196.0	208.9	223.3	241.1	262.9	288.5	318.2	346.3	377.5
122.5°	165.4	178.4	192.0	206.3	220.8	238.2	258.6	282.4	309.0	334.1	362.8
125°	160.9	174.8	189.2	204.1	218.5	235.2	254.3	276.1	299.7	322.0	348.1
127.5°	157.1	171.9	187.1	202.2	216.5	232.2	249.9	269.6	290.3	309.8	333.5
130°	154.5	169.7	185.8	200.6	214.6	229.0	245.4	263.0	280.8	297.6	318.9
132.5°	152.9	168.6	185.1	199.3	212.6	225.8	240.7	256.1	271.2	285.4	304.4
135°	147.4	163.1	179.3	193.6	207.0	220.3	234.5	248.3	261.4	273.2	289.9
137.5°	140.7	154.7	168.1	180.9	192.0	203.8	216.4	228.0	239.2	249.5	265.1
140°	133.2	145.2	156.1	166.7	176.6	186.9	197.3	207.5	217.0	225.7	240.4
142.5°	124.5	134.3	143.4	152.2	161.0	169.5	178.2	186.8	194.7	202.0	215.6
145°	114.6	122.3	130.0	137.2	144.4	151.7	158.9	165.9	172.3	178.3	190.8
147.5°	103.0	109.4	115.6	121.5	127.5	133.3	139.1	144.7	149.8	154.5	166.1
150°	90.3	95.5	100.4	105.2	109.9	114.4	119.0	123.2	127.2	130.8	141.3
152.5°	76.5	80.5	84.5	88.1	91.6	95.0	98.4	101.5	104.5	107.1	116.6
155°	61.5	64.7	67.6	70.2	72.6	75.1	77.4	79.6	81.7	83.3	91.8
157.5°	52.5	53.7	54.4	55.0	55.7	56.4	57.1	57.9	58.8	59.6	67.3
160°	46.9	47.7	48.3	48.9	49.6	50.3	50.9	51.7	52.4	53.1	60.0
162.5°	41.0	41.7	42.2	42.9	43.5	44.1	44.7	45.4	46.0	46.6	52.6
165°	35.1	35.7	36.3	36.9	37.4	37.9	38.5	39.1	39.6	40.1	45.3
167.5°	29.3	29.8	30.4	30.9	31.3	31.8	32.3	32.8	33.2	33.6	37.9
170°	23.5	24.0	24.4	24.8	25.2	25.7	26.1	26.5	26.8	27.0	30.5
172.5°	17.7	18.1	18.5	18.9	19.2	19.6	19.9	20.1	20.3	20.5	23.2
175°	12.1	12.4	12.7	13.0	13.2	13.4	13.6	13.8	13.9	14.0	15.8
177.5°	6.6	6.7	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.5	8.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	9.2	10.1	10.9	11.7	12.5	13.3	14.0	14.7	15.4	16.1	16.7
5°	17.5	19.2	20.8	22.4	24.0	25.6	27.0	28.5	29.9	31.2	32.5
7.5°	25.7	28.3	30.7	33.2	35.5	37.8	40.2	43.2	46.2	49.0	51.7
10°	34.0	37.3	40.6	43.8	47.2	51.4	55.5	59.5	63.4	67.1	71.0
12.5°	42.2	46.4	50.5	55.0	60.3	65.5	70.6	75.6	80.5	85.3	90.0
15°	50.4	55.4	60.5	67.0	73.3	79.5	85.6	91.6	97.4	103.2	109.4
17.5°	58.5	64.4	71.3	78.8	86.1	93.3	100.3	107.1	113.8	119.7	125.1
20°	66.7	73.5	82.1	90.5	98.7	106.7	114.5	122.1	128.5	134.7	140.8
22.5°	74.8	83.1	92.6	102.0	110.9	119.7	128.2	135.2	142.2	149.0	155.6
25°	99.9	109.0	118.4	127.2	135.0	142.4	148.1	153.1	157.8	162.1	169.0
27.5°	125.6	136.0	146.3	155.3	163.5	170.3	175.5	180.4	184.8	188.9	191.7
30°	151.4	163.0	174.3	183.0	191.9	196.8	201.8	206.4	210.6	213.7	216.3
32.5°	177.4	189.9	201.2	210.2	217.5	222.5	227.1	231.4	234.8	237.4	242.0
35°	203.3	216.6	227.8	236.9	242.7	247.6	251.5	255.3	257.7	261.2	267.9
37.5°	229.2	243.4	254.1	263.0	267.2	271.2	275.0	277.7	280.1	285.5	292.4
40°	255.1	270.0	280.0	287.4	290.9	294.4	297.5	299.2	302.7	308.1	317.6
42.5°	280.8	296.3	305.6	311.3	314.0	316.9	318.9	320.1	324.3	331.0	340.8
45°	306.5	321.8	330.9	334.6	336.6	338.8	339.6	341.1	344.3	352.9	364.5
47.5°	324.6	343.2	356.6	362.7	367.1	369.6	368.1	364.5	365.0	373.9	387.7
50°	342.7	365.2	383.3	394.5	405.6	414.7	420.6	425.5	427.9	427.4	426.7
52.5°	361.2	388.1	411.0	428.2	446.9	463.5	478.7	492.3	500.5	497.4	493.9
55°	380.0	411.8	440.0	464.2	490.8	515.9	541.4	562.7	573.6	563.5	556.6
57.5°	399.1	436.2	470.3	502.4	537.2	571.5	608.5	635.9	641.1	626.5	615.1
60°	418.5	461.3	501.8	542.2	586.2	630.4	679.4	711.7	705.5	686.2	669.7
62.5°	438.0	486.9	534.2	583.6	637.2	693.2	752.4	789.8	767.2	742.8	720.6
65°	457.8	513.0	567.4	626.2	690.1	758.6	825.1	859.7	826.6	796.5	767.9
67.5°	477.6	539.5	601.3	669.9	744.5	826.0	899.2	923.4	884.3	847.7	812.3
70°	481.4	544.8	609.4	684.6	766.9	858.8	939.9	962.0	929.8	894.3	854.2
72.5°	484.4	548.0	613.3	691.8	775.8	868.3	946.6	964.3	942.1	909.6	870.3
75°	487.2	550.8	616.8	698.5	783.6	875.9	952.4	970.3	957.5	925.2	883.4
77.5°	489.6	553.2	619.7	704.5	790.3	881.7	957.2	979.4	975.4	941.4	896.8
80°	493.6	555.1	622.0	709.9	796.0	885.9	960.9	991.0	995.3	958.3	910.6
82.5°	494.8	558.3	626.2	714.5	800.5	888.5	963.6	1004.1	1016.7	975.9	925.1
85°	495.9	558.5	626.2	720.1	806.1	891.9	967.6	1020.0	1039.0	994.3	940.4
87.5°	497.1	558.7	626.2	721.8	807.1	889.9	966.3	1032.9	1061.9	1013.1	956.1
90°	498.3	558.9	626.2	723.4	808.1	887.9	964.9	1045.7	1084.1	1034.1	974.5
92.5°	497.1	558.7	626.2	721.8	807.1	889.9	966.3	1032.9	1061.9	1013.1	956.1
95°	495.9	558.5	626.2	720.1	806.1	891.9	967.6	1020.0	1039.0	994.3	940.4
97.5°	494.8	558.3	626.2	714.5	800.5	888.5	963.6	1004.1	1016.7	975.9	925.1
100°	493.6	555.1	622.0	709.9	796.0	885.9	960.9	991.0	995.3	958.3	910.6
102.5°	489.6	553.2	619.7	704.5	790.3	881.7	957.2	979.4	975.4	941.4	896.8
105°	487.2	550.8	616.8	698.5	783.6	875.9	952.4	970.3	957.5	925.2	883.4
107.5°	484.4	548.0	613.3	691.8	775.8	868.3	946.6	964.3	942.1	909.6	870.3
110°	481.4	544.8	609.4	684.6	766.9	858.8	939.9	962.0	929.8	894.3	854.2



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	477.6	539.5	601.3	669.9	744.5	826.0	899.2	923.4	884.3	847.7	812.3
115°	457.8	513.0	567.4	626.2	690.1	758.6	825.1	859.7	826.6	796.5	767.9
117.5°	438.0	486.9	534.2	583.6	637.2	693.2	752.4	789.8	767.2	742.8	720.6
120°	418.5	461.3	501.8	542.2	586.2	630.4	679.4	711.7	705.5	686.2	669.7
122.5°	399.1	436.2	470.3	502.4	537.2	571.5	608.5	635.9	641.1	626.5	615.1
125°	380.0	411.8	440.0	464.2	490.8	515.9	541.4	562.7	573.6	563.5	556.6
127.5°	361.2	388.1	411.0	428.2	446.9	463.5	478.7	492.3	500.5	497.4	493.9
130°	342.7	365.2	383.3	394.5	405.6	414.7	420.6	425.5	427.9	427.4	426.7
132.5°	324.6	343.2	356.6	362.7	367.1	369.6	368.1	364.5	365.0	373.9	387.7
135°	306.5	321.8	330.9	334.6	336.6	338.8	339.6	341.1	344.3	352.9	364.5
137.5°	280.8	296.3	305.6	311.3	314.0	316.9	318.9	320.1	324.3	331.0	340.8
140°	255.1	270.0	280.0	287.4	290.9	294.4	297.5	299.2	302.7	308.1	317.6
142.5°	229.2	243.4	254.1	263.0	267.2	271.2	275.0	277.7	280.1	285.5	292.4
145°	203.3	216.6	227.8	236.9	242.7	247.6	251.5	255.3	257.7	261.2	267.9
147.5°	177.4	189.9	201.2	210.2	217.5	222.5	227.1	231.4	234.8	237.4	242.0
150°	151.4	163.0	174.3	183.0	191.9	196.8	201.8	206.4	210.6	213.7	216.3
152.5°	125.6	136.0	146.3	155.3	163.5	170.3	175.5	180.4	184.8	188.9	191.7
155°	99.9	109.0	118.4	127.2	135.0	142.4	148.1	153.1	157.8	162.1	169.0
157.5°	74.8	83.1	92.6	102.0	110.9	119.7	128.2	135.2	142.2	149.0	155.6
160°	66.7	73.5	82.1	90.5	98.7	106.7	114.5	122.1	128.5	134.7	140.8
162.5°	58.5	64.4	71.3	78.8	86.1	93.3	100.3	107.1	113.8	119.7	125.1
165°	50.4	55.4	60.5	67.0	73.3	79.5	85.6	91.6	97.4	103.2	109.4
167.5°	42.2	46.4	50.5	55.0	60.3	65.5	70.6	75.6	80.5	85.3	90.0
170°	34.0	37.3	40.6	43.8	47.2	51.4	55.5	59.5	63.4	67.1	71.0
172.5°	25.7	28.3	30.7	33.2	35.5	37.8	40.2	43.2	46.2	49.0	51.7
175°	17.5	19.2	20.8	22.4	24.0	25.6	27.0	28.5	29.9	31.2	32.5
177.5°	9.2	10.1	10.9	11.7	12.5	13.3	14.0	14.7	15.4	16.1	16.7
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: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	17.3	17.9	18.5	19.0	19.4	19.9	20.3	20.7	21.0	21.3	21.5
5°	34.2	35.9	37.5	39.0	40.5	41.8	43.1	44.3	45.3	46.3	47.2
7.5°	54.4	56.9	59.3	61.6	63.8	66.0	68.1	70.0	71.8	73.5	75.0
10°	74.5	78.0	81.4	84.7	87.8	90.7	93.5	96.0	98.1	100.0	101.8
12.5°	94.6	99.0	103.1	106.6	110.0	113.2	116.2	119.0	121.7	124.5	127.2
15°	113.4	117.9	122.2	126.4	130.5	134.8	138.9	142.9	146.8	150.4	153.9
17.5°	130.4	136.2	140.9	146.1	151.3	156.3	161.1	165.7	170.2	174.6	178.9
20°	146.8	152.9	158.8	164.6	170.0	175.4	180.8	186.5	192.4	198.0	203.2
22.5°	162.1	168.5	174.4	180.3	186.4	192.2	197.7	203.9	210.4	217.0	223.9
25°	175.3	181.4	188.3	196.9	206.2	215.1	223.7	231.4	238.0	243.8	249.2
27.5°	194.1	198.1	205.3	216.0	227.6	238.6	249.6	257.6	265.7	272.5	278.7
30°	221.1	228.2	235.8	245.6	255.2	266.1	277.8	288.0	297.9	306.3	314.1
32.5°	249.0	257.3	267.6	278.1	289.5	300.4	312.0	323.3	333.8	342.2	349.6
35°	276.0	286.5	297.8	310.2	322.7	335.7	348.4	359.1	369.2	380.6	393.0
37.5°	303.0	314.5	327.8	341.4	355.7	369.3	381.6	394.3	409.2	425.1	439.0
40°	328.4	342.4	356.8	372.2	386.9	400.8	416.6	433.2	450.8	468.8	487.5
42.5°	354.5	369.2	385.4	401.3	416.8	434.5	452.7	473.3	495.2	517.6	541.6
45°	379.2	395.8	412.6	429.5	448.3	467.9	490.6	513.9	540.7	569.9	605.1
47.5°	403.7	420.9	439.1	458.4	479.1	503.2	528.5	557.1	590.5	628.0	675.6
50°	429.7	445.8	465.2	486.8	511.3	537.6	567.5	602.5	643.5	696.1	753.3
52.5°	493.3	496.0	502.9	515.4	543.6	572.6	607.3	648.6	704.7	767.5	839.1
55°	552.4	551.6	556.0	566.6	584.4	608.2	645.4	702.6	767.3	840.2	925.8
57.5°	606.4	601.8	603.4	612.5	630.1	658.1	700.7	756.8	827.9	915.6	1012.6
60°	655.9	646.4	646.0	655.0	674.6	706.3	759.9	822.8	898.7	988.5	1103.6
62.5°	701.4	687.9	683.7	692.2	716.1	759.3	816.8	885.8	975.7	1080.7	1203.3
65°	742.7	725.4	720.1	729.5	756.3	806.0	869.1	953.4	1054.4	1171.3	1311.4
67.5°	780.2	758.8	752.4	765.0	799.0	851.9	921.1	1014.7	1127.0	1261.7	1420.8
70°	815.9	789.3	781.0	797.2	836.6	893.1	974.2	1077.0	1198.2	1342.3	1520.6
72.5°	836.1	815.3	811.3	829.4	870.1	931.7	1020.8	1131.1	1260.9	1417.3	1588.8
75°	851.4	836.7	839.7	863.1	907.0	971.9	1066.2	1178.6	1311.0	1475.7	1642.8
77.5°	868.2	859.4	867.1	894.6	941.5	1013.8	1112.2	1227.0	1362.8	1520.6	1686.9
80°	886.2	883.1	893.7	924.0	972.9	1050.7	1151.2	1265.5	1405.0	1560.3	1741.3
82.5°	905.2	907.5	919.6	951.5	1001.4	1082.7	1183.6	1294.6	1435.5	1588.7	1778.4
85°	925.2	932.4	944.9	977.3	1027.1	1110.1	1209.8	1315.4	1455.1	1606.1	1798.9
87.5°	945.6	957.5	969.7	1002.2	1051.5	1135.0	1232.7	1331.4	1468.8	1617.7	1810.2
90°	966.8	982.2	993.7	1024.5	1071.6	1152.4	1245.8	1336.2	1466.0	1610.3	1794.1
92.5°	945.6	957.5	969.7	1002.2	1051.5	1135.0	1232.7	1331.4	1468.8	1617.7	1810.2
95°	925.2	932.4	944.9	977.3	1027.1	1110.1	1209.8	1315.4	1455.1	1606.1	1798.9
97.5°	905.2	907.5	919.6	951.5	1001.4	1082.7	1183.6	1294.6	1435.5	1588.7	1778.4
100°	886.2	883.1	893.7	924.0	972.9	1050.7	1151.2	1265.5	1405.0	1560.3	1741.3
102.5°	868.2	859.4	867.1	894.6	941.5	1013.8	1112.2	1227.0	1362.8	1520.6	1686.9
105°	851.4	836.7	839.7	863.1	907.0	971.9	1066.2	1178.6	1311.0	1475.7	1642.8
107.5°	836.1	815.3	811.3	829.4	870.1	931.7	1020.8	1131.1	1260.9	1417.3	1588.8
110°	815.9	789.3	781.0	797.2	836.6	893.1	974.2	1077.0	1198.2	1342.3	1520.6



TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-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°	780.2	758.8	752.4	765.0	799.0	851.9	921.1	1014.7	1127.0	1261.8	1420.8
115°	742.7	725.4	720.1	729.5	756.3	806.0	869.1	953.4	1054.4	1171.3	1311.4
117.5°	701.4	687.9	683.7	692.2	716.1	759.3	816.8	885.8	975.7	1080.7	1203.3
120°	655.9	646.4	646.0	655.0	674.6	706.3	759.9	822.8	898.7	988.5	1103.6
122.5°	606.4	601.8	603.4	612.5	630.1	658.1	700.7	756.8	827.9	915.6	1012.6
125°	552.4	551.6	556.0	566.6	584.4	608.2	645.4	702.6	767.3	840.2	925.8
127.5°	493.3	496.0	502.9	515.4	543.6	572.6	607.3	648.6	704.7	767.5	839.1
130°	429.7	445.8	465.2	486.8	511.3	537.6	567.5	602.5	643.5	696.1	753.3
132.5°	403.7	420.9	439.1	458.4	479.1	503.2	528.5	557.1	590.5	628.0	675.6
135°	379.2	395.8	412.6	429.5	448.3	467.9	490.6	513.9	540.7	569.9	605.1
137.5°	354.5	369.2	385.4	401.3	416.8	434.5	452.7	473.3	495.2	517.6	541.6
140°	328.4	342.4	356.8	372.2	386.9	400.8	416.6	433.2	450.8	468.8	487.5
142.5°	303.0	314.5	327.8	341.4	355.7	369.3	381.6	394.3	409.2	425.1	439.0
145°	276.0	286.5	297.8	310.2	322.7	335.7	348.4	359.1	369.2	380.6	393.0
147.5°	249.0	257.3	267.6	278.1	289.5	300.4	312.0	323.3	333.8	342.2	349.6
150°	221.1	228.2	235.8	245.6	255.2	266.1	277.8	288.0	297.9	306.3	314.1
152.5°	194.1	198.1	205.3	216.0	227.6	238.6	249.6	257.6	265.7	272.5	278.7
155°	175.3	181.4	188.3	196.9	206.2	215.1	223.7	231.4	238.0	243.8	249.2
157.5°	162.1	168.5	174.4	180.3	186.4	194.2	201.7	208.9	215.4	220.6	224.9
160°	146.8	152.9	158.8	164.6	170.0	175.4	180.8	186.5	192.4	198.0	203.2
162.5°	130.4	136.2	140.9	146.1	151.3	156.3	161.1	165.7	170.2	174.6	178.9
165°	113.4	117.9	122.2	126.4	130.5	134.8	138.9	142.9	146.8	150.4	153.9
167.5°	94.6	99.0	103.1	106.6	110.0	113.2	116.2	119.0	121.7	124.5	127.2
170°	74.5	78.0	81.4	84.7	87.8	90.7	93.5	96.0	98.1	100.0	101.8
172.5°	54.4	56.9	59.3	61.6	63.8	66.0	68.1	70.0	71.8	73.5	75.0
175°	34.2	35.9	37.5	39.0	40.5	41.8	43.1	44.3	45.3	46.3	47.2
177.5°	17.3	17.9	18.5	19.0	19.4	19.9	20.3	20.7	21.0	21.3	21.5
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):**

	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°	21.7	21.9	22.1	22.2	22.2	22.2	22.9	22.6	22.3	22.1	21.8
5°	48.0	48.7	49.2	49.7	50.1	50.3	50.5	50.5	51.3	50.7	50.2
7.5°	76.3	77.5	78.6	79.5	80.2	80.7	81.1	81.3	81.4	82.0	81.3
10°	103.4	104.8	106.0	107.1	108.0	108.6	109.1	109.4	109.5	110.3	109.4
12.5°	129.8	132.1	134.2	136.2	137.8	139.2	140.4	141.3	141.9	142.2	142.9
15°	157.2	160.3	163.2	165.9	168.3	170.5	172.4	174.1	175.4	176.3	177.7
17.5°	183.0	186.9	190.3	193.4	196.1	198.4	200.3	201.9	203.0	203.8	205.0
20°	207.9	211.7	214.0	215.7	216.8	217.4	217.6	217.2	216.5	215.4	214.4
22.5°	228.4	231.1	233.5	235.4	236.5	237.0	236.7	235.8	234.4	232.4	230.6
25°	253.5	256.8	259.2	261.3	262.5	262.8	262.2	260.7	258.5	255.6	252.1
27.5°	284.1	288.2	291.0	293.2	294.9	295.8	295.7	294.7	292.8	290.1	286.6
30°	319.0	323.9	327.7	330.5	336.5	341.4	345.3	348.0	349.5	349.7	348.5
32.5°	357.2	367.1	376.2	384.4	393.3	402.3	410.2	416.9	422.1	425.7	427.6
35°	404.9	418.1	431.6	444.6	457.6	472.0	485.0	496.5	506.2	513.9	519.3
37.5°	455.0	472.0	491.9	511.2	529.8	550.9	570.8	588.4	603.4	615.6	624.7
40°	508.7	531.3	559.4	588.2	615.3	644.0	673.7	700.5	724.1	743.9	759.7
42.5°	571.5	603.0	638.1	678.9	718.1	756.6	797.8	834.2	865.4	891.0	911.0
45°	642.6	687.6	730.7	786.6	841.4	897.3	940.1	984.0	1022.5	1055.1	1081.1
47.5°	725.8	785.4	848.3	911.7	974.9	1034.1	1095.9	1156.5	1209.8	1254.9	1291.4
50°	821.7	892.2	966.5	1039.1	1124.6	1205.5	1285.8	1369.9	1443.7	1506.1	1556.2
52.5°	918.5	1000.4	1095.0	1191.9	1302.9	1416.5	1519.9	1616.0	1703.1	1779.6	1843.5
55°	1016.4	1122.9	1238.2	1371.3	1503.5	1631.9	1749.9	1841.7	1921.6	1994.1	2057.3
57.5°	1124.7	1255.7	1399.1	1549.6	1703.7	1810.1	1909.7	2001.8	2084.0	2160.0	2228.2
60°	1240.3	1392.1	1557.8	1711.6	1843.9	1950.6	2040.4	2129.2	2213.0	2288.9	2356.4
62.5°	1352.1	1529.5	1699.4	1853.5	1963.8	2064.9	2151.4	2234.7	2320.7	2398.8	2467.5
65°	1479.1	1655.5	1828.5	1951.6	2058.3	2155.0	2248.3	2336.1	2420.1	2495.8	2557.6
67.5°	1596.0	1778.0	1914.2	2027.7	2132.5	2237.4	2336.5	2430.1	2515.1	2584.8	2642.5
70°	1692.8	1857.5	1987.3	2090.8	2200.7	2309.2	2413.3	2507.6	2596.0	2671.7	2724.1
72.5°	1766.4	1931.8	2045.7	2153.7	2261.1	2367.9	2473.8	2572.1	2672.6	2755.9	2800.1
75°	1833.5	1978.5	2092.5	2202.5	2313.6	2421.1	2516.9	2620.2	2719.9	2809.7	2862.5
77.5°	1889.7	2019.0	2125.4	2239.3	2355.8	2462.1	2558.6	2654.6	2769.7	2856.4	2910.8
80°	1919.6	2042.7	2147.4	2265.6	2387.1	2495.0	2594.2	2706.0	2818.3	2898.8	2936.5
82.5°	1945.0	2063.0	2173.2	2291.1	2404.5	2510.3	2617.4	2731.9	2847.4	2919.1	2953.1
85°	1963.3	2074.6	2189.6	2308.7	2420.2	2525.9	2629.6	2739.9	2859.0	2934.4	2971.9
87.5°	1978.6	2077.2	2195.5	2312.4	2423.9	2529.1	2642.1	2755.4	2876.6	2943.0	2973.8
90°	1970.1	2071.1	2190.4	2303.0	2414.6	2517.5	2639.7	2746.4	2872.5	2940.8	2958.1
92.5°	1978.6	2077.2	2195.5	2312.4	2423.9	2529.1	2642.1	2755.4	2876.6	2943.0	2973.8
95°	1963.3	2074.6	2189.6	2308.7	2420.2	2525.9	2629.6	2739.9	2859.0	2934.4	2971.9
97.5°	1945.0	2063.0	2173.2	2291.1	2404.5	2510.3	2617.4	2731.9	2847.4	2919.1	2953.1
100°	1919.6	2042.7	2147.4	2265.6	2387.1	2495.0	2594.2	2706.0	2818.3	2898.8	2936.5
102.5°	1889.7	2019.0	2125.4	2239.3	2355.8	2462.1	2558.6	2654.6	2769.7	2856.4	2910.8
105°	1833.5	1978.5	2092.5	2202.5	2313.6	2421.1	2516.9	2620.2	2719.9	2809.7	2862.5
107.5°	1766.4	1931.8	2045.7	2153.7	2261.1	2367.9	2473.8	2572.1	2672.6	2755.9	2800.1
110°	1692.8	1857.5	1987.3	2090.8	2200.7	2309.2	2413.3	2507.6	2596.0	2671.7	2724.1



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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°	1596.0	1778.0	1914.2	2027.7	2132.5	2237.4	2336.5	2430.1	2515.1	2584.8	2642.5
115°	1479.1	1655.5	1828.5	1951.6	2058.3	2155.0	2248.3	2336.1	2420.1	2495.8	2557.6
117.5°	1352.1	1529.5	1699.4	1853.5	1963.8	2064.9	2151.4	2234.7	2320.7	2398.8	2467.5
120°	1240.3	1392.1	1557.8	1711.6	1843.9	1950.6	2040.4	2129.2	2213.0	2288.9	2356.4
122.5°	1124.7	1255.7	1399.1	1549.6	1703.7	1810.1	1909.7	2001.8	2084.0	2160.0	2228.2
125°	1016.4	1122.9	1238.2	1371.3	1503.5	1631.9	1749.9	1841.7	1921.6	1994.1	2057.3
127.5°	918.5	1000.4	1095.0	1191.9	1302.9	1416.5	1519.9	1616.0	1703.1	1779.6	1843.5
130°	821.7	892.2	966.5	1039.1	1124.6	1205.5	1285.8	1369.9	1443.7	1506.1	1556.2
132.5°	725.8	785.4	848.3	911.7	974.9	1034.1	1095.9	1156.5	1209.8	1254.9	1291.4
135°	642.6	687.6	730.7	786.6	841.4	897.3	940.1	984.0	1022.5	1055.1	1081.1
137.5°	571.5	603.0	638.1	678.9	718.1	756.6	797.8	834.2	865.4	891.0	911.0
140°	508.7	531.3	559.4	588.2	615.3	644.0	673.7	700.5	724.1	743.9	759.7
142.5°	455.0	472.0	491.9	511.2	529.8	550.9	570.8	588.4	603.4	615.6	624.7
145°	404.9	418.1	431.6	444.6	457.6	472.0	485.0	496.5	506.2	513.9	519.3
147.5°	357.2	367.1	376.2	384.4	393.3	402.3	410.2	416.9	422.1	425.7	427.6
150°	319.0	323.9	327.7	330.5	336.5	341.4	345.3	348.0	349.5	349.7	348.5
152.5°	284.1	288.2	291.0	293.2	294.9	295.8	295.7	294.7	292.8	290.1	286.6
155°	253.5	256.8	259.2	261.3	262.5	262.8	262.2	260.7	258.5	255.6	252.1
157.5°	228.4	231.1	233.5	235.4	236.5	237.0	236.7	235.8	234.4	232.4	230.6
160°	207.9	211.7	214.0	215.7	216.8	217.4	217.6	217.2	216.5	215.4	214.4
162.5°	183.0	186.9	190.3	193.4	196.1	198.4	200.3	201.9	203.0	203.8	205.0
165°	157.2	160.3	163.2	165.9	168.3	170.5	172.4	174.1	175.4	176.3	177.7
167.5°	129.8	132.1	134.2	136.2	137.8	139.2	140.4	141.3	141.9	142.2	142.9
170°	103.4	104.8	106.0	107.1	108.0	108.6	109.1	109.4	109.5	110.3	109.4
172.5°	76.3	77.5	78.6	79.5	80.2	80.7	81.1	81.3	81.4	82.0	81.3
175°	48.0	48.7	49.2	49.7	50.1	50.3	50.5	50.5	51.3	50.7	50.2
177.5°	21.7	21.9	22.1	22.2	22.2	22.2	22.9	22.6	22.3	22.1	21.8
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°	21.5	21.2
5°	49.7	49.1
7.5°	80.5	79.8
10°	108.6	107.7
12.5°	142.2	141.4
15°	177.4	177.0
17.5°	204.4	203.9
20°	212.5	210.7
22.5°	227.3	224.1
25°	248.2	243.4
27.5°	282.6	277.0
30°	346.6	341.5
32.5°	428.6	425.2
35°	523.7	522.4
37.5°	632.4	633.0
40°	773.5	777.3
42.5°	928.2	933.1
45°	1104.1	1112.0
47.5°	1323.5	1335.2
50°	1600.3	1616.1
52.5°	1901.8	1926.8
55°	2116.6	2150.0
57.5°	2293.2	2334.7
60°	2419.6	2463.6
62.5°	2526.7	2576.2
65°	2607.3	2647.4
67.5°	2688.9	2725.3
70°	2760.5	2784.9
72.5°	2831.1	2850.3
75°	2888.1	2903.2
77.5°	2924.2	2925.4
80°	2950.6	2954.2
82.5°	2969.2	2979.2
85°	2989.6	2980.2
87.5°	2996.2	2992.7
90°	2991.7	2986.0
92.5°	2996.2	2992.7
95°	2989.6	2980.2
97.5°	2969.2	2979.2
100°	2950.6	2954.2
102.5°	2924.2	2925.4
105°	2888.1	2903.2
107.5°	2831.1	2850.3
110°	2760.5	2784.9





TEST NUMBER: P232084

CATALOG NUMBER: FVS4WM-3-LD4-30-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2688.9	2725.3
115°	2607.3	2647.4
117.5°	2526.7	2576.2
120°	2419.6	2463.6
122.5°	2293.2	2334.7
125°	2116.6	2150.0
127.5°	1901.8	1926.8
130°	1600.3	1616.1
132.5°	1323.5	1335.2
135°	1104.1	1112.0
137.5°	928.2	933.1
140°	773.5	777.3
142.5°	632.4	633.0
145°	523.7	522.4
147.5°	428.6	425.2
150°	346.6	341.5
152.5°	282.6	277.0
155°	248.2	243.4
157.5°	227.3	224.1
160°	212.5	210.7
162.5°	204.4	203.9
165°	177.4	177.0
167.5°	142.2	141.4
170°	108.6	107.7
172.5°	80.5	79.8
175°	49.7	49.1
177.5°	21.5	21.2
180°	1.0	1.0

(END OF REPORT)