

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: P231968

Luminaire Tested: **FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

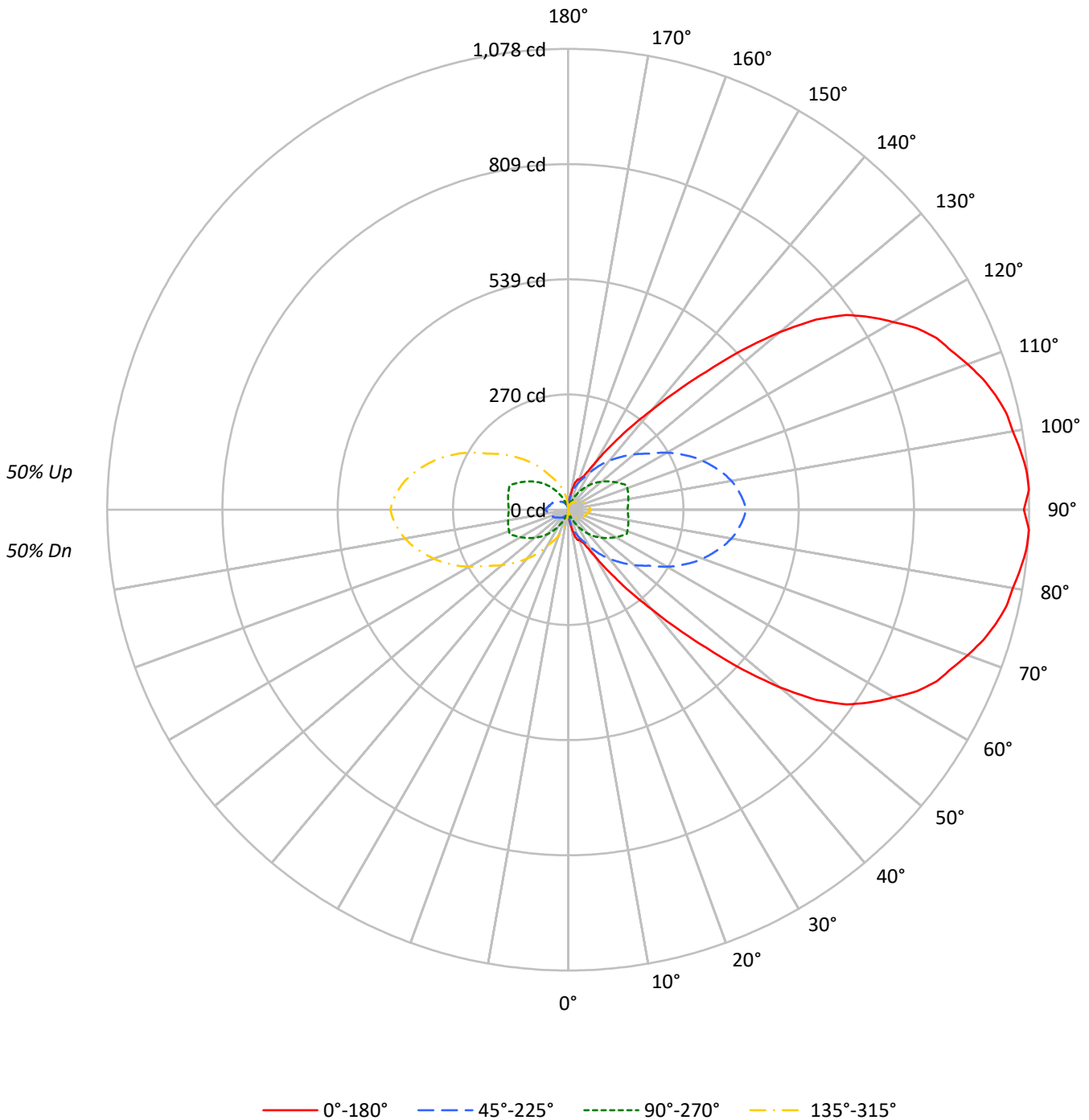
Lumens per Lamp: N/A
Luminaire Lumens: 2513.8 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 24.21 / 15.43 / 16.34
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

Luminous Intensity Polar Plot





TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	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°	9	9	9	9
5°	224	81	0	81
10°	465	155	0	155
15°	727	230	0	230
20°	749	310	0	310
25°	812	476	0	476
30°	1134	741	0	741
35°	1708	1033	5	1033
40°	2507	1366	5	1366
45°	3665	1755	5	1755
50°	5093	2186	5	2186
55°	6200	2721	5	2721
60°	6841	3402	5	3402
65°	7444	4314	5	4314
70°	7889	5313	5	5313
75°	8382	6487	5	6487
80°	8810	8485	0	8485
85°	9317	12577	0	12577



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	8.0	0.3
20°-30°	21.3	0.8
30°-40°	49.5	2.0
40°-50°	99.1	3.9
50°-60°	176.7	7.0
60°-70°	255.2	10.2
70°-80°	309.3	12.3
80°-90°	336.8	13.4
90°-100°	336.8	13.4
100°-110°	309.3	12.3
110°-120°	255.2	10.2
120°-130°	176.7	7.0
130°-140°	99.1	3.9
140°-150°	49.5	2.0
150°-160°	21.3	0.8
160°-170°	8.0	0.3
170°-180°	1.1	0.0
0°-30°	30.4	1.2
0°-40°	79.9	3.2
0°-60°	355.6	14.1
0°-90°	1256.9	50.0
90°-120°	901.3	35.9
90°-150°	1226.5	48.8
90°-180°	1257.0	50.0
0°-180°	2513.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	17	5	0	5	17	2
15°	67	15	0	15	67	18
25°	86	30	0	30	86	44
35°	200	59	1	59	200	132
45°	456	89	1	89	456	364
55°	794	115	1	115	794	703
65°	950	142	1	142	950	938
75°	1034	145	1	145	1034	1091
85°	1075	141	0	141	1075	874
90°	1066	138	0	138	1066	588
95°	1075	141	0	141	1075	874
105°	1034	145	1	145	1034	1091
115°	950	142	1	142	950	938
125°	794	115	1	115	794	703
135°	456	89	1	89	456	364
145°	200	59	1	59	200	132
155°	86	30	0	30	86	44
165°	67	15	0	15	67	18
175°	17	5	0	5	17	2
180°	0	0	0	0	0	



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.0	8.0	8.0	7.9
5°	16.9	17.1	17.3	17.5	17.7	17.4	17.4	17.4	17.3	17.2	17.1
7.5°	29.8	30.0	30.3	30.5	30.1	30.0	29.9	29.6	29.4	29.0	28.6
10°	39.1	39.4	39.7	40.0	39.7	39.7	39.6	39.4	39.2	38.9	38.5
12.5°	53.7	53.9	54.1	53.7	53.4	53.0	52.5	51.9	51.2	50.4	49.5
15°	67.1	67.2	67.3	66.7	66.3	65.7	65.0	64.2	63.3	62.3	61.1
17.5°	74.7	74.9	75.2	74.9	74.7	74.4	74.0	73.4	72.8	71.9	71.0
20°	74.7	75.5	76.3	77.0	77.6	78.2	78.6	78.8	78.9	78.7	78.4
22.5°	80.0	81.4	82.7	83.6	84.4	85.1	85.5	85.7	85.6	85.3	84.6
25°	86.4	88.4	90.1	91.7	93.1	94.2	95.0	95.5	95.6	95.4	94.9
27.5°	103.3	105.4	106.8	108.0	108.8	109.2	109.3	109.1	108.5	107.6	106.8
30°	127.3	129.2	129.9	130.3	130.3	129.8	128.9	127.5	125.8	123.8	122.3
32.5°	161.1	162.3	161.7	160.8	159.2	156.9	154.0	150.6	146.8	143.2	140.4
35°	200.3	200.6	198.7	196.3	193.0	188.9	184.1	178.7	172.7	167.3	161.8
37.5°	249.3	248.4	244.3	239.7	233.9	227.0	219.2	210.5	201.6	194.0	186.0
40°	304.2	302.0	296.0	289.3	280.9	271.2	260.2	248.2	236.2	224.7	212.8
42.5°	375.4	371.4	361.9	351.5	339.0	324.5	308.4	290.9	275.4	259.6	243.3
45°	456.5	450.5	437.7	423.7	406.9	387.8	366.4	345.9	322.3	300.1	278.3
47.5°	552.9	544.0	526.4	507.3	485.0	459.8	432.1	403.9	376.0	347.1	322.0
50°	645.7	636.4	617.4	596.1	570.3	540.0	505.4	470.5	435.3	401.4	370.7
52.5°	730.4	725.1	709.1	689.4	663.0	629.4	588.3	546.7	503.0	461.0	422.9
55°	794.0	793.4	783.5	770.2	750.4	723.7	688.1	637.4	579.9	528.2	478.5
57.5°	838.4	839.7	834.4	827.0	815.5	799.8	772.9	720.6	667.3	600.1	538.4
60°	878.1	879.1	874.3	868.2	859.6	848.7	823.0	781.5	728.4	665.9	600.7
62.5°	919.5	917.1	911.7	904.0	894.3	883.3	860.1	825.3	776.7	719.6	652.4
65°	950.5	946.6	940.4	932.4	923.2	913.9	897.1	870.5	823.7	764.0	696.0
67.5°	970.3	969.4	965.5	957.9	946.2	938.1	929.7	911.1	876.3	814.8	739.8
70°	994.2	991.5	986.6	980.3	973.5	962.3	950.8	939.8	919.5	867.2	786.5
72.5°	1017.0	1013.4	1007.1	998.3	989.8	980.3	969.8	958.1	940.6	896.5	825.1
75°	1034.5	1030.5	1024.0	1014.7	1003.7	993.3	983.0	973.1	959.1	919.8	850.9
77.5°	1049.1	1045.0	1038.2	1025.8	1013.2	1001.6	995.4	987.1	973.6	943.9	875.2
80°	1056.1	1056.8	1049.8	1033.5	1019.0	1011.5	1003.3	1000.0	988.1	966.3	896.1
82.5°	1066.6	1065.0	1055.3	1042.2	1030.9	1022.3	1011.1	1005.7	997.2	974.4	915.9
85°	1075.4	1065.6	1051.9	1049.3	1041.4	1032.4	1018.5	1008.2	1001.0	979.5	929.7
87.5°	1078.3	1060.8	1061.9	1053.6	1040.7	1033.9	1021.2	1010.9	1003.8	983.3	936.0
90°	1065.5	1061.4	1062.0	1049.7	1033.4	1032.2	1021.1	1013.5	1004.8	983.7	933.5
92.5°	1078.3	1060.8	1061.9	1053.6	1040.7	1033.9	1021.2	1010.9	1003.8	983.3	936.0
95°	1075.4	1065.6	1051.9	1049.3	1041.4	1032.4	1018.5	1008.2	1001.0	979.5	929.7
97.5°	1066.6	1065.0	1055.3	1042.2	1030.9	1022.3	1011.1	1005.7	997.2	974.4	915.9
100°	1056.1	1056.8	1049.8	1033.5	1019.0	1011.5	1003.3	1000.0	988.1	966.3	896.1
102.5°	1049.1	1045.0	1038.2	1025.8	1013.2	1001.6	995.4	987.1	973.6	943.9	875.2
105°	1034.5	1030.5	1024.0	1014.7	1003.7	993.3	983.0	973.1	959.1	919.8	850.9
107.5°	1017.0	1013.4	1007.1	998.3	989.8	980.3	969.8	958.1	940.6	896.5	825.1
110°	994.2	991.5	986.6	980.3	973.5	962.3	950.8	939.8	919.5	867.2	786.5



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	970.3	969.4	965.5	957.9	946.2	938.1	929.7	911.1	876.3	814.8	739.8
115°	950.5	946.6	940.4	932.4	923.2	913.9	897.1	870.5	823.7	764.0	696.0
117.5°	919.5	917.1	911.7	904.0	894.3	883.3	860.1	825.3	776.7	719.6	652.4
120°	878.1	879.1	874.3	868.2	859.6	848.7	823.0	781.5	728.4	665.9	600.7
122.5°	838.4	839.7	834.4	827.0	815.5	799.8	772.9	720.6	667.3	600.1	538.4
125°	794.0	793.4	783.5	770.2	750.4	723.7	688.1	637.4	579.9	528.2	478.5
127.5°	730.4	725.1	709.1	689.4	663.0	629.4	588.3	546.7	503.0	461.0	422.9
130°	645.7	636.4	617.4	596.1	570.3	540.0	505.4	470.5	435.3	401.4	370.7
132.5°	552.9	544.0	526.4	507.3	485.0	459.8	432.1	403.9	376.0	347.1	322.0
135°	456.5	450.5	437.7	423.7	406.9	387.8	366.4	345.9	322.3	300.1	278.3
137.5°	375.4	371.4	361.9	351.5	339.0	324.5	308.4	290.9	275.4	259.6	243.3
140°	304.2	302.0	296.0	289.3	280.9	271.2	260.2	248.2	236.2	224.7	212.8
142.5°	249.3	248.4	244.3	239.7	233.9	227.0	219.2	210.5	201.6	194.0	186.0
145°	200.3	200.6	198.7	196.3	193.0	188.9	184.1	178.7	172.7	167.3	161.8
147.5°	161.1	162.3	161.7	160.8	159.2	156.9	154.0	150.6	146.8	143.2	140.4
150°	127.3	129.2	129.9	130.3	130.3	129.8	128.9	127.5	125.8	123.8	122.3
152.5°	103.3	105.4	106.8	108.0	108.8	109.2	109.3	109.1	108.5	107.6	106.8
155°	86.4	88.4	90.1	91.7	93.1	94.2	95.0	95.5	95.6	95.4	94.9
157.5°	80.0	81.4	82.7	83.6	84.4	85.1	85.5	85.7	85.6	85.3	84.6
160°	74.7	75.5	76.3	77.0	77.6	78.2	78.6	78.8	78.9	78.7	78.4
162.5°	74.7	74.9	75.2	74.9	74.7	74.4	74.0	73.4	72.8	71.9	71.0
165°	67.1	67.2	67.3	66.7	66.3	65.7	65.0	64.2	63.3	62.3	61.1
167.5°	53.7	53.9	54.1	53.7	53.4	53.0	52.5	51.9	51.2	50.4	49.5
170°	39.1	39.4	39.7	40.0	39.7	39.7	39.6	39.4	39.2	38.9	38.5
172.5°	29.8	30.0	30.3	30.5	30.1	30.0	29.9	29.6	29.4	29.0	28.6
175°	16.9	17.1	17.3	17.5	17.7	17.4	17.4	17.4	17.3	17.2	17.1
177.5°	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.0	8.0	8.0	7.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	7.9	7.8	7.8	7.7	7.6	7.5	7.3	7.2	7.1	6.9	6.7
5°	16.9	16.7	16.5	16.2	15.9	15.5	15.1	14.7	14.3	13.8	13.3
7.5°	28.1	27.5	26.9	26.3	25.6	24.8	24.0	23.1	22.2	21.5	20.7
10°	38.1	37.5	37.0	36.3	35.6	34.8	33.9	32.7	31.5	30.3	28.9
12.5°	48.5	47.4	46.3	45.0	43.9	42.9	41.9	40.8	39.6	38.3	37.0
15°	59.9	58.6	57.2	55.7	54.0	52.3	50.6	48.8	47.0	45.4	43.8
17.5°	69.9	68.6	67.0	65.2	63.3	61.4	59.4	57.3	55.2	53.0	50.8
20°	77.8	76.7	75.2	73.5	71.6	69.6	67.3	65.0	62.6	60.2	57.7
22.5°	83.9	83.2	82.3	81.0	79.4	77.2	74.8	72.1	69.4	66.6	63.9
25°	94.0	92.8	91.2	89.2	87.2	85.0	82.5	79.5	76.3	73.0	69.8
27.5°	105.9	104.6	102.9	100.6	98.0	94.9	91.8	88.0	84.2	80.0	76.0
30°	120.5	118.4	116.3	113.6	110.7	107.1	103.1	98.6	94.2	90.4	86.3
32.5°	137.2	133.9	130.9	127.9	124.6	120.8	116.3	111.5	106.8	101.9	97.5
35°	156.2	150.8	146.8	142.6	138.4	134.3	129.8	124.6	119.2	113.9	108.5
37.5°	177.9	170.8	164.1	158.3	152.8	147.5	142.4	137.2	131.6	125.6	119.6
40°	201.5	192.3	183.6	175.8	168.3	161.5	155.4	149.3	143.4	137.2	130.6
42.5°	229.2	216.8	204.8	195.1	186.0	177.0	168.7	161.8	154.9	148.3	141.4
45°	261.4	244.1	229.4	215.5	203.7	193.0	183.6	174.4	166.8	159.2	151.9
47.5°	298.1	275.1	256.1	238.0	223.1	209.7	198.3	188.2	178.6	170.3	162.1
50°	339.2	311.4	284.6	263.0	243.8	227.3	213.2	201.5	191.1	181.3	172.3
52.5°	385.1	350.6	317.9	289.4	265.5	245.4	228.6	214.8	203.5	192.4	184.8
55°	433.8	391.5	353.8	318.3	288.4	264.1	243.7	228.2	217.4	208.0	200.3
57.5°	484.8	434.6	389.7	349.6	313.3	283.2	263.6	247.5	233.6	222.8	214.4
60°	535.8	478.8	426.3	379.7	342.0	310.1	284.4	266.6	251.1	238.0	228.0
62.5°	585.0	520.3	464.1	415.1	371.8	335.0	306.4	285.2	268.7	252.7	240.9
65°	625.1	562.1	502.2	448.3	401.3	360.6	327.0	301.6	285.6	268.6	254.7
67.5°	667.7	601.5	538.3	479.6	427.7	382.9	346.5	319.1	300.6	284.4	268.1
70°	708.6	636.3	571.6	506.6	452.1	405.0	365.5	334.7	313.8	299.7	281.0
72.5°	742.8	666.6	596.4	531.3	472.6	423.4	381.3	348.9	325.6	313.3	293.7
75°	769.5	691.4	617.7	550.7	488.3	438.6	396.2	362.5	338.8	323.1	303.8
77.5°	786.1	708.8	634.3	567.8	505.8	453.9	410.9	376.2	350.8	333.0	313.7
80°	804.8	725.7	653.3	584.1	520.6	466.0	422.7	387.6	361.7	342.8	323.3
82.5°	823.4	740.1	667.5	595.9	531.5	474.8	431.7	397.0	371.4	352.4	332.5
85°	832.6	748.7	676.5	603.3	538.6	480.7	438.3	404.7	380.0	361.6	341.0
87.5°	832.9	754.3	682.9	608.5	543.6	484.9	443.6	411.3	388.1	370.7	349.3
90°	825.5	749.0	679.0	605.4	541.8	484.6	445.5	415.7	394.7	378.3	355.5
92.5°	832.9	754.3	682.9	608.5	543.6	484.9	443.6	411.3	388.1	370.7	349.3
95°	832.6	748.7	676.5	603.3	538.6	480.7	438.3	404.7	380.0	361.6	341.0
97.5°	823.4	740.1	667.5	595.9	531.5	474.8	431.7	397.0	371.4	352.4	332.5
100°	804.8	725.7	653.3	584.1	520.6	466.0	422.7	387.6	361.7	342.8	323.3
102.5°	786.1	708.8	634.3	567.8	505.8	453.9	410.9	376.2	350.8	333.0	313.7
105°	769.5	691.4	617.7	550.7	488.3	438.6	396.2	362.5	338.8	323.1	303.8
107.5°	742.8	666.6	596.4	531.3	472.6	423.4	381.3	348.9	325.6	313.3	293.7
110°	708.6	636.3	571.6	506.6	452.1	405.0	365.5	334.7	313.8	299.7	281.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-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°	667.7	601.5	538.3	479.6	427.7	382.9	346.5	319.1	300.6	284.4	268.1
115°	625.1	562.1	502.2	448.3	401.3	360.6	327.0	301.6	285.6	268.6	254.7
117.5°	585.0	520.3	464.1	415.1	371.8	335.0	306.4	285.2	268.7	252.7	240.9
120°	535.8	478.8	426.3	379.7	342.0	310.1	284.4	266.6	251.1	238.0	228.0
122.5°	484.8	434.6	389.7	349.6	313.3	283.2	263.6	247.5	233.6	222.8	214.4
125°	433.8	391.5	353.8	318.3	288.4	264.1	243.7	228.2	217.4	208.0	200.3
127.5°	385.1	350.6	317.9	289.4	265.5	245.4	228.6	214.8	203.5	192.4	184.8
130°	339.2	311.4	284.6	263.0	243.8	227.3	213.2	201.5	191.1	181.3	172.3
132.5°	298.1	275.1	256.1	238.0	223.1	209.7	198.3	188.2	178.6	170.3	162.1
135°	261.4	244.1	229.4	215.5	203.7	193.0	183.6	174.4	166.8	159.2	151.9
137.5°	229.2	216.8	204.8	195.1	186.0	177.0	168.7	161.8	154.9	148.3	141.4
140°	201.5	192.3	183.6	175.8	168.3	161.5	155.4	149.3	143.4	137.2	130.6
142.5°	177.9	170.8	164.1	158.3	152.8	147.5	142.4	137.2	131.6	125.6	119.6
145°	156.2	150.8	146.8	142.6	138.4	134.3	129.8	124.6	119.2	113.9	108.5
147.5°	137.2	133.9	130.9	127.9	124.6	120.8	116.3	111.5	106.8	101.9	97.5
150°	120.5	118.4	116.3	113.6	110.7	107.1	103.1	98.6	94.2	90.4	86.3
152.5°	105.9	104.6	102.9	100.6	98.0	94.9	91.8	88.0	84.2	80.0	76.0
155°	94.0	92.8	91.2	89.2	87.2	85.0	82.5	79.5	76.3	73.0	69.8
157.5°	83.9	83.2	82.3	81.0	79.4	77.2	74.8	72.1	69.4	66.6	63.9
160°	77.8	76.7	75.2	73.5	71.6	69.6	67.3	65.0	62.6	60.2	57.7
162.5°	69.9	68.6	67.0	65.2	63.3	61.4	59.4	57.3	55.2	53.0	50.8
165°	59.9	58.6	57.2	55.7	54.0	52.3	50.6	48.8	47.0	45.4	43.8
167.5°	48.5	47.4	46.3	45.0	43.9	42.9	41.9	40.8	39.6	38.3	37.0
170°	38.1	37.5	37.0	36.3	35.6	34.8	33.9	32.7	31.5	30.3	28.9
172.5°	28.1	27.5	26.9	26.3	25.6	24.8	24.0	23.1	22.2	21.5	20.7
175°	16.9	16.7	16.5	16.2	15.9	15.5	15.1	14.7	14.3	13.8	13.3
177.5°	7.9	7.8	7.8	7.7	7.6	7.5	7.3	7.2	7.1	6.9	6.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	6.5	6.4	6.1	5.9	5.7	5.5	5.2	5.0	4.7	4.4	4.2
5°	12.8	12.2	11.6	11.2	10.8	10.3	9.8	9.3	8.8	8.3	7.7
7.5°	19.9	19.1	18.2	17.3	16.4	15.4	14.4	13.6	12.8	12.0	11.2
10°	27.6	26.2	24.8	23.5	22.3	21.0	19.7	18.3	16.9	15.8	14.7
12.5°	35.4	33.7	31.9	30.1	28.3	26.5	24.9	23.2	21.5	19.7	18.2
15°	42.2	40.5	38.9	36.6	34.4	32.3	30.1	28.0	26.0	23.8	21.7
17.5°	48.9	46.6	44.6	42.4	40.2	37.8	35.3	32.9	30.4	28.0	25.5
20°	55.3	52.8	50.4	47.9	45.4	42.8	40.2	37.5	34.8	32.0	29.2
22.5°	61.2	58.5	55.9	53.3	50.6	47.7	44.7	41.9	39.0	36.1	32.9
25°	66.6	63.6	60.8	58.1	56.2	53.9	51.4	48.8	46.3	43.6	40.6
27.5°	72.9	70.6	68.7	66.7	64.8	62.7	60.2	57.5	54.7	51.9	48.8
30°	83.0	79.9	77.2	75.1	73.0	71.0	68.7	66.0	63.3	60.1	57.0
32.5°	93.0	89.3	85.9	83.2	81.1	78.9	76.7	74.1	71.3	68.2	64.8
35°	103.5	98.7	94.7	91.2	88.7	86.6	84.4	82.3	79.2	76.2	72.7
37.5°	113.8	108.4	103.3	99.5	96.3	94.0	91.9	89.6	86.9	84.0	80.5
40°	124.2	117.9	112.4	107.3	103.8	101.0	99.1	96.9	94.5	91.6	88.2
42.5°	134.3	127.6	121.2	115.6	111.2	107.8	105.9	104.0	101.7	99.1	95.8
45°	144.4	136.9	130.0	123.8	118.2	114.9	112.6	110.8	108.8	106.3	103.4
47.5°	154.2	146.2	138.7	132.1	125.8	122.7	121.9	122.1	122.0	121.0	118.5
50°	163.7	155.8	150.6	146.5	143.1	140.4	139.0	138.7	139.0	138.8	135.5
52.5°	178.5	173.3	168.6	164.6	161.3	158.4	156.6	155.5	155.5	157.0	152.5
55°	194.2	189.6	185.6	181.9	179.1	176.5	174.2	172.3	171.7	174.5	169.8
57.5°	208.5	204.5	201.7	198.6	196.4	194.2	191.8	189.3	187.7	191.4	187.3
60°	221.2	218.3	216.4	214.6	213.0	211.5	209.5	206.4	204.4	208.0	204.9
62.5°	233.8	231.0	230.2	229.7	229.0	228.5	227.2	223.7	221.1	224.4	222.6
65°	245.9	242.5	243.0	244.1	244.6	245.1	244.4	241.1	237.8	240.5	240.5
67.5°	257.1	252.9	255.0	257.7	259.5	261.1	261.3	258.5	254.6	256.5	258.5
70°	267.9	263.5	266.3	269.9	271.7	272.6	272.1	269.2	265.1	264.5	263.3
72.5°	278.0	270.7	270.7	273.5	275.8	277.0	277.0	275.5	272.9	271.4	266.7
75°	285.6	276.1	274.6	277.2	279.8	281.3	281.8	281.3	280.4	279.0	270.3
77.5°	292.7	281.4	278.7	280.9	283.8	285.7	286.4	286.8	287.7	287.1	274.1
80°	299.3	286.6	282.9	284.6	287.7	290.1	291.0	292.0	294.9	295.7	278.0
82.5°	305.4	291.7	287.3	288.4	291.6	294.5	295.4	297.0	301.9	304.5	283.2
85°	311.1	296.5	291.7	292.2	295.6	298.9	299.8	301.7	308.8	314.0	286.3
87.5°	316.6	301.4	296.2	296.1	299.5	303.3	304.3	306.8	315.8	322.5	289.4
90°	321.1	305.9	300.7	300.1	303.6	307.7	308.8	311.8	322.9	331.0	292.5
92.5°	316.6	301.4	296.2	296.1	299.5	303.3	304.3	306.8	315.8	322.5	289.4
95°	311.1	296.5	291.7	292.2	295.6	298.9	299.8	301.7	308.8	314.0	286.3
97.5°	305.4	291.7	287.3	288.4	291.6	294.5	295.4	297.0	301.9	304.5	283.2
100°	299.3	286.6	282.9	284.6	287.7	290.1	291.0	292.0	294.9	295.7	278.0
102.5°	292.7	281.4	278.7	280.9	283.8	285.7	286.4	286.8	287.7	287.1	274.1
105°	285.6	276.1	274.6	277.2	279.8	281.3	281.8	281.3	280.4	279.0	270.3
107.5°	278.0	270.7	270.7	273.5	275.8	277.0	277.0	275.5	272.9	271.4	266.7
110°	267.9	263.5	266.3	269.9	271.7	272.6	272.1	269.2	265.1	264.5	263.3



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	257.1	252.9	255.0	257.7	259.5	261.1	261.3	258.5	254.6	256.5	258.5
115°	245.9	242.5	243.0	244.1	244.6	245.1	244.4	241.1	237.8	240.5	240.5
117.5°	233.8	231.0	230.2	229.7	229.0	228.5	227.2	223.7	221.1	224.4	222.6
120°	221.2	218.3	216.4	214.6	213.0	211.5	209.5	206.4	204.4	208.0	204.9
122.5°	208.5	204.5	201.7	198.6	196.4	194.2	191.8	189.3	187.7	191.4	187.3
125°	194.2	189.6	185.6	181.9	179.1	176.5	174.2	172.3	171.7	174.5	169.8
127.5°	178.5	173.3	168.6	164.6	161.3	158.4	156.6	155.5	155.5	157.0	152.5
130°	163.7	155.8	150.6	146.5	143.1	140.4	139.0	138.7	139.0	138.8	135.5
132.5°	154.2	146.2	138.7	132.1	125.8	122.7	121.9	122.1	122.0	121.0	118.5
135°	144.4	136.9	130.0	123.8	118.2	114.9	112.6	110.8	108.8	106.3	103.4
137.5°	134.3	127.6	121.2	115.6	111.2	107.8	105.9	104.0	101.7	99.1	95.8
140°	124.2	117.9	112.4	107.3	103.8	101.0	99.1	96.9	94.5	91.6	88.2
142.5°	113.8	108.4	103.3	99.5	96.3	94.0	91.9	89.6	86.9	84.0	80.5
145°	103.5	98.7	94.7	91.2	88.7	86.6	84.4	82.3	79.2	76.2	72.7
147.5°	93.0	89.3	85.9	83.2	81.1	78.9	76.7	74.1	71.3	68.2	64.8
150°	83.0	79.9	77.2	75.1	73.0	71.0	68.7	66.0	63.3	60.1	57.0
152.5°	72.9	70.6	68.7	66.7	64.8	62.7	60.2	57.5	54.7	51.9	48.8
155°	66.6	63.6	60.8	58.1	56.2	53.9	51.4	48.8	46.3	43.6	40.6
157.5°	61.2	58.5	55.9	53.3	50.6	47.7	44.7	41.9	39.0	36.1	32.9
160°	55.3	52.8	50.4	47.9	45.4	42.8	40.2	37.5	34.8	32.0	29.2
162.5°	48.9	46.6	44.6	42.4	40.2	37.8	35.3	32.9	30.4	28.0	25.5
165°	42.2	40.5	38.9	36.6	34.4	32.3	30.1	28.0	26.0	23.8	21.7
167.5°	35.4	33.7	31.9	30.1	28.3	26.5	24.9	23.2	21.5	19.7	18.2
170°	27.6	26.2	24.8	23.5	22.3	21.0	19.7	18.3	16.9	15.8	14.7
172.5°	19.9	19.1	18.2	17.3	16.4	15.4	14.4	13.6	12.8	12.0	11.2
175°	12.8	12.2	11.6	11.2	10.8	10.3	9.8	9.3	8.8	8.3	7.7
177.5°	6.5	6.4	6.1	5.9	5.7	5.5	5.2	5.0	4.7	4.4	4.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	3.9	3.6	3.3	3.0	3.0	2.9	2.9	2.8	2.8	2.7	2.7
5°	7.1	6.6	6.0	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.7
7.5°	10.4	9.5	8.7	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.8
10°	13.6	12.5	11.4	10.2	10.0	9.9	9.7	9.5	9.2	9.0	9.0
12.5°	16.8	15.4	14.0	12.6	12.4	12.2	11.9	11.6	11.4	11.4	11.3
15°	20.0	18.4	16.7	15.0	14.7	14.4	14.1	13.8	13.8	13.8	13.7
17.5°	23.1	21.3	19.3	17.4	17.1	16.7	16.3	16.2	16.2	16.2	16.1
20°	26.3	24.2	22.0	19.8	19.4	19.0	18.5	18.6	18.6	18.6	18.4
22.5°	29.7	27.0	24.6	22.2	21.7	21.2	20.9	21.0	21.1	20.9	20.7
25°	37.4	34.5	32.1	29.6	29.2	28.8	28.6	28.5	28.1	27.2	26.2
27.5°	45.4	42.0	39.6	37.0	36.8	36.6	36.7	36.7	36.0	34.8	33.3
30°	53.3	49.5	47.0	44.4	44.5	44.4	44.8	45.0	43.7	42.2	39.9
32.5°	61.1	57.2	54.4	51.8	52.2	52.5	53.1	53.0	51.2	48.9	45.9
35°	68.9	64.8	61.8	59.1	59.9	60.6	61.4	60.7	58.6	55.2	51.5
37.5°	76.6	72.3	69.2	66.5	67.6	68.7	69.8	68.3	65.9	61.1	56.3
40°	84.2	79.9	76.5	73.9	75.4	76.8	78.2	75.8	72.1	66.6	60.5
42.5°	91.8	87.4	83.8	81.3	83.2	85.1	86.7	83.2	78.2	72.0	64.3
45°	99.3	94.8	91.1	88.7	91.1	93.3	94.4	90.6	84.0	76.1	67.6
47.5°	112.8	106.2	100.0	95.3	95.6	96.4	96.0	92.0	85.1	77.2	69.0
50°	127.6	118.2	109.0	101.9	99.9	99.0	96.9	92.0	84.5	76.4	68.7
52.5°	142.8	130.5	118.2	108.6	104.1	101.3	97.6	91.7	84.1	75.9	68.7
55°	158.4	143.1	127.5	115.2	108.0	103.5	98.3	91.5	83.7	75.7	69.2
57.5°	174.4	156.0	137.0	121.8	111.9	105.5	98.9	91.4	83.6	75.8	70.0
60°	190.8	169.2	146.6	128.4	115.6	107.3	99.4	91.4	83.6	76.5	71.3
62.5°	207.5	182.6	156.2	135.1	119.2	109.0	99.9	91.5	83.8	77.4	73.5
65°	224.4	196.1	166.0	141.7	122.7	110.5	100.3	91.7	84.2	78.5	76.0
67.5°	241.5	209.8	175.8	148.3	126.2	112.0	100.7	91.9	84.8	79.9	78.9
70°	243.1	209.9	175.3	147.2	125.3	111.1	99.7	91.1	84.2	79.9	79.8
72.5°	243.4	209.3	174.6	146.1	124.4	110.1	98.7	90.2	83.5	79.4	79.4
75°	243.5	208.5	175.0	145.0	123.6	109.2	97.8	89.3	82.9	78.9	79.0
77.5°	243.5	207.6	173.9	143.9	122.8	108.4	96.9	88.6	82.3	78.4	78.4
80°	243.3	207.6	172.9	142.8	122.1	107.6	96.0	87.9	81.8	77.9	77.7
82.5°	243.9	205.9	171.8	141.7	121.4	106.9	95.3	87.3	81.4	77.5	77.0
85°	242.7	204.2	170.8	140.6	120.8	106.3	94.6	86.7	81.1	77.1	76.2
87.5°	241.6	202.5	169.7	139.5	120.2	105.7	94.0	86.2	80.8	76.8	75.5
90°	240.5	200.8	168.7	138.4	119.7	105.1	93.4	85.8	80.6	76.5	74.7
92.5°	241.6	202.5	169.7	139.5	120.2	105.7	94.0	86.2	80.8	76.8	75.5
95°	242.7	204.2	170.8	140.6	120.8	106.3	94.6	86.7	81.1	77.1	76.2
97.5°	243.9	205.9	171.8	141.7	121.4	106.9	95.3	87.3	81.4	77.5	77.0
100°	243.3	207.6	172.9	142.8	122.1	107.6	96.0	87.9	81.8	77.9	77.7
102.5°	243.5	207.6	173.9	143.9	122.8	108.4	96.9	88.6	82.3	78.4	78.4
105°	243.5	208.5	175.0	145.0	123.6	109.2	97.8	89.3	82.9	78.9	79.0
107.5°	243.4	209.3	174.6	146.1	124.4	110.1	98.7	90.2	83.5	79.4	79.4
110°	243.1	209.9	175.3	147.2	125.3	111.1	99.7	91.1	84.2	79.9	79.8



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-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°	241.5	209.8	175.8	148.3	126.2	112.0	100.7	91.9	84.8	79.9	78.9
115°	224.4	196.1	166.0	141.7	122.7	110.5	100.3	91.7	84.2	78.5	76.0
117.5°	207.5	182.6	156.2	135.1	119.2	109.0	99.9	91.5	83.8	77.4	73.5
120°	190.8	169.2	146.6	128.4	115.6	107.3	99.4	91.4	83.6	76.5	71.3
122.5°	174.4	156.0	137.0	121.8	111.9	105.5	98.9	91.4	83.6	75.8	70.0
125°	158.4	143.1	127.5	115.2	108.0	103.5	98.3	91.5	83.7	75.7	69.2
127.5°	142.8	130.5	118.2	108.6	104.1	101.3	97.6	91.7	84.1	75.9	68.7
130°	127.6	118.2	109.0	101.9	99.9	99.0	96.9	92.0	84.5	76.4	68.7
132.5°	112.8	106.2	100.0	95.3	95.6	96.4	96.0	92.0	85.1	77.2	69.0
135°	99.3	94.8	91.1	88.7	91.1	93.3	94.4	90.6	84.0	76.1	67.6
137.5°	91.8	87.4	83.8	81.3	83.2	85.1	86.7	83.2	78.2	72.0	64.3
140°	84.2	79.9	76.5	73.9	75.4	76.8	78.2	75.8	72.1	66.6	60.5
142.5°	76.6	72.3	69.2	66.5	67.6	68.7	69.8	68.3	65.9	61.1	56.3
145°	68.9	64.8	61.8	59.1	59.9	60.6	61.4	60.7	58.6	55.2	51.5
147.5°	61.1	57.2	54.4	51.8	52.2	52.5	53.1	53.0	51.2	48.9	45.9
150°	53.3	49.5	47.0	44.4	44.5	44.4	44.8	45.0	43.7	42.2	39.9
152.5°	45.4	42.0	39.6	37.0	36.8	36.6	36.7	36.7	36.0	34.8	33.3
155°	37.4	34.5	32.1	29.6	29.2	28.8	28.6	28.5	28.1	27.2	26.2
157.5°	29.7	27.0	24.6	22.2	21.7	21.2	20.9	21.0	21.1	20.9	20.7
160°	26.3	24.2	22.0	19.8	19.4	19.0	18.5	18.6	18.6	18.6	18.4
162.5°	23.1	21.3	19.3	17.4	17.1	16.7	16.3	16.2	16.2	16.2	16.1
165°	20.0	18.4	16.7	15.0	14.7	14.4	14.1	13.8	13.8	13.8	13.7
167.5°	16.8	15.4	14.0	12.6	12.4	12.2	11.9	11.6	11.4	11.4	11.3
170°	13.6	12.5	11.4	10.2	10.0	9.9	9.7	9.5	9.2	9.0	9.0
172.5°	10.4	9.5	8.7	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.8
175°	7.1	6.6	6.0	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.7
177.5°	3.9	3.6	3.3	3.0	3.0	2.9	2.9	2.8	2.8	2.7	2.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.8
5°	4.6	4.5	4.3	4.2	4.0	3.9	3.8	3.7	3.6	3.5	3.3
7.5°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.7	5.5	5.3	5.1
10°	8.9	8.8	8.6	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
12.5°	11.2	11.1	10.9	10.7	10.4	10.2	9.9	9.6	9.3	8.9	8.6
15°	13.6	13.3	13.1	12.8	12.5	12.2	11.9	11.5	11.1	10.7	10.2
17.5°	15.8	15.6	15.3	15.0	14.7	14.3	13.9	13.4	12.9	12.3	11.8
20°	18.1	17.8	17.5	17.2	16.8	16.3	15.7	15.1	14.5	13.9	13.2
22.5°	20.4	20.1	19.8	19.3	18.7	18.1	17.5	16.8	16.1	15.4	14.8
25°	25.0	23.8	22.6	21.3	20.6	19.9	19.2	18.4	17.8	17.2	16.5
27.5°	31.6	29.9	27.9	26.1	24.4	22.8	21.4	20.3	19.7	18.9	18.0
30°	37.6	35.0	32.4	30.1	27.9	26.1	24.7	23.3	21.8	20.5	19.4
32.5°	42.7	39.4	36.2	33.4	31.0	29.0	27.2	25.4	23.7	22.4	21.1
35°	47.2	43.1	39.4	36.2	33.6	31.2	29.0	27.0	25.4	23.8	22.2
37.5°	51.0	46.3	42.0	38.7	35.7	32.9	30.5	28.6	26.7	24.8	23.2
40°	54.4	49.1	44.5	40.7	37.3	34.2	32.0	29.8	27.7	25.9	24.3
42.5°	57.5	51.3	46.7	42.4	38.5	35.7	33.2	30.7	28.7	27.0	25.4
45°	60.1	53.7	48.3	43.7	39.9	36.9	34.2	31.8	29.9	28.2	26.5
47.5°	61.7	55.6	49.9	44.7	41.2	38.0	35.1	33.0	31.0	29.3	27.7
50°	61.8	56.7	51.9	47.4	43.4	39.2	36.3	34.1	32.2	30.6	28.9
52.5°	63.0	58.6	54.8	51.5	47.9	43.9	40.1	36.6	33.5	31.9	29.9
55°	64.7	61.4	58.6	56.1	52.7	48.8	44.7	40.8	37.5	34.2	31.1
57.5°	66.9	64.9	63.2	61.2	58.0	53.5	49.0	44.8	40.9	36.9	33.8
60°	69.6	69.1	68.3	66.5	63.0	58.1	53.1	48.4	43.7	39.6	36.1
62.5°	72.9	73.8	73.8	72.0	67.9	62.4	56.9	51.5	46.2	41.9	37.7
65°	76.9	78.9	79.7	77.9	72.7	66.6	60.4	54.3	48.6	43.8	39.1
67.5°	81.2	84.2	85.4	83.5	77.5	70.7	63.7	56.9	50.9	45.4	40.3
70°	83.3	87.4	89.7	88.2	82.0	74.5	66.8	59.2	53.0	46.8	41.3
72.5°	82.7	86.7	89.1	87.6	82.6	76.2	68.7	61.4	54.8	48.1	42.3
75°	81.9	86.1	88.7	87.4	83.3	77.2	69.9	62.9	56.2	49.5	43.5
77.5°	81.0	85.4	88.4	87.7	84.4	78.5	71.4	64.6	57.7	50.9	44.8
80°	79.9	84.6	88.2	88.3	85.9	80.1	73.2	66.5	59.5	52.5	46.2
82.5°	78.7	83.9	88.1	89.1	87.7	81.9	75.3	68.7	61.4	54.4	47.8
85°	77.4	83.1	88.0	90.1	89.7	84.0	77.6	71.1	63.7	56.4	49.5
87.5°	76.1	82.2	87.8	91.1	91.8	86.2	80.1	73.7	66.2	58.7	51.5
90°	74.7	81.2	87.6	92.2	94.0	88.7	82.9	76.5	68.9	61.3	53.7
92.5°	76.1	82.2	87.8	91.1	91.8	86.2	80.1	73.7	66.2	58.7	51.5
95°	77.4	83.1	88.0	90.1	89.7	84.0	77.6	71.1	63.7	56.4	49.5
97.5°	78.7	83.9	88.1	89.1	87.7	81.9	75.3	68.7	61.4	54.4	47.8
100°	79.9	84.6	88.2	88.3	85.9	80.1	73.2	66.5	59.5	52.5	46.2
102.5°	81.0	85.4	88.4	87.7	84.4	78.5	71.4	64.6	57.7	50.9	44.8
105°	81.9	86.1	88.7	87.4	83.3	77.2	69.9	62.9	56.2	49.5	43.5
107.5°	82.7	86.7	89.1	87.6	82.6	76.2	68.7	61.4	54.8	48.1	42.3
110°	83.3	87.4	89.7	88.2	82.0	74.5	66.8	59.2	53.0	46.8	41.3



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	81.2	84.2	85.4	83.5	77.5	70.7	63.7	56.9	50.9	45.4	40.3
115°	76.9	78.9	79.7	77.9	72.7	66.6	60.4	54.3	48.6	43.8	39.1
117.5°	72.9	73.8	73.8	72.0	67.9	62.4	56.9	51.5	46.2	41.9	37.7
120°	69.6	69.1	68.3	66.5	63.0	58.1	53.1	48.4	43.7	39.6	36.1
122.5°	66.9	64.9	63.2	61.2	58.0	53.5	49.0	44.8	40.9	36.9	33.8
125°	64.7	61.4	58.6	56.1	52.7	48.8	44.7	40.8	37.5	34.2	31.1
127.5°	63.0	58.6	54.8	51.5	47.9	43.9	40.1	36.6	33.5	31.9	29.9
130°	61.8	56.7	51.9	47.4	43.4	39.2	36.3	34.1	32.2	30.6	28.9
132.5°	61.7	55.6	49.9	44.7	41.2	38.0	35.1	33.0	31.0	29.3	27.7
135°	60.1	53.7	48.3	43.7	39.9	36.9	34.2	31.8	29.9	28.2	26.5
137.5°	57.5	51.3	46.7	42.4	38.5	35.7	33.2	30.7	28.7	27.0	25.4
140°	54.4	49.1	44.5	40.7	37.3	34.2	32.0	29.8	27.7	25.9	24.3
142.5°	51.0	46.3	42.0	38.7	35.7	32.9	30.5	28.6	26.7	24.8	23.2
145°	47.2	43.1	39.4	36.2	33.6	31.2	29.0	27.0	25.4	23.8	22.2
147.5°	42.7	39.4	36.2	33.4	31.0	29.0	27.2	25.4	23.7	22.4	21.1
150°	37.6	35.0	32.4	30.1	27.9	26.1	24.7	23.3	21.8	20.5	19.4
152.5°	31.6	29.9	27.9	26.1	24.4	22.8	21.4	20.3	19.7	18.9	18.0
155°	25.0	23.8	22.6	21.3	20.6	19.9	19.2	18.4	17.8	17.2	16.5
157.5°	20.4	20.1	19.8	19.3	18.7	18.1	17.5	16.8	16.1	15.4	14.8
160°	18.1	17.8	17.5	17.2	16.8	16.3	15.7	15.1	14.5	13.9	13.2
162.5°	15.8	15.6	15.3	15.0	14.7	14.3	13.9	13.4	12.9	12.3	11.8
165°	13.6	13.3	13.1	12.8	12.5	12.2	11.9	11.5	11.1	10.7	10.2
167.5°	11.2	11.1	10.9	10.7	10.4	10.2	9.9	9.6	9.3	8.9	8.6
170°	8.9	8.8	8.6	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
172.5°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.7	5.5	5.3	5.1
175°	4.6	4.5	4.3	4.2	4.0	3.9	3.8	3.7	3.6	3.5	3.3
177.5°	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.7	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.7
5°	3.2	3.0	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4
7.5°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.1	2.8	2.5	2.2
10°	6.5	6.2	5.9	5.5	5.2	4.8	4.5	4.1	3.7	3.3	2.9
12.5°	8.2	7.8	7.4	6.9	6.5	6.0	5.5	5.1	4.6	4.1	3.6
15°	9.7	9.2	8.7	8.2	7.6	7.1	6.5	6.0	5.4	4.8	4.2
17.5°	11.2	10.6	10.0	9.4	8.7	8.1	7.5	6.9	6.2	5.6	4.9
20°	12.6	11.9	11.3	10.7	10.0	9.4	8.6	7.9	7.1	6.3	5.6
22.5°	14.2	13.5	12.8	12.0	11.2	10.4	9.5	8.7	7.9	7.0	6.2
25°	15.7	14.9	14.0	13.1	12.3	11.4	10.5	9.6	8.6	7.6	6.6
27.5°	17.1	16.2	15.2	14.3	13.3	12.2	11.1	10.1	9.0	8.0	7.0
30°	18.4	17.5	16.3	15.1	13.9	12.8	11.8	10.7	9.7	8.6	7.6
32.5°	19.6	18.2	17.0	15.9	14.8	13.7	12.6	11.5	10.3	9.2	8.1
35°	20.6	19.3	18.1	16.9	15.7	14.5	13.3	12.0	10.8	9.7	8.5
37.5°	21.8	20.4	19.1	17.9	16.4	15.0	13.7	12.5	11.4	10.2	8.9
40°	22.9	21.5	20.0	18.5	17.0	15.7	14.4	13.0	11.6	10.3	9.0
42.5°	23.9	22.4	20.8	19.3	17.9	16.3	14.6	13.1	11.9	10.6	9.3
45°	25.0	23.3	21.7	20.1	18.5	16.8	15.2	13.7	12.3	11.0	9.7
47.5°	26.0	24.3	22.6	20.9	19.2	17.5	15.9	14.3	12.7	11.2	9.7
50°	27.0	25.2	23.5	21.7	19.9	18.2	16.4	14.6	12.8	11.3	9.9
52.5°	28.0	26.3	24.3	22.4	20.5	18.6	16.7	15.0	13.3	11.7	10.2
55°	29.2	27.2	25.1	23.1	21.0	19.0	17.2	15.4	13.7	12.0	10.5
57.5°	30.9	28.1	25.8	23.7	21.5	19.5	17.6	15.7	13.9	12.2	10.5
60°	32.5	29.5	26.7	24.3	22.1	20.0	17.9	15.8	13.8	12.0	10.3
62.5°	33.9	30.5	27.5	24.9	22.6	20.3	17.9	15.7	13.8	11.9	10.2
65°	34.9	31.3	28.2	25.4	22.8	20.2	17.9	15.7	13.5	11.6	9.8
67.5°	35.8	32.1	28.8	25.7	22.8	20.1	17.8	15.3	13.2	11.2	9.2
70°	36.7	32.7	29.2	25.9	22.8	20.0	17.2	14.8	12.8	10.6	8.6
72.5°	37.5	33.4	29.5	26.0	22.8	19.7	16.6	14.3	11.9	10.0	8.2
75°	38.4	34.0	29.9	26.2	22.8	19.2	16.2	13.6	11.2	9.2	7.5
77.5°	39.5	34.6	30.2	26.4	22.7	18.7	15.8	13.0	10.5	8.4	6.6
80°	40.6	35.3	30.5	26.2	22.1	18.3	15.3	12.6	9.9	7.7	5.7
82.5°	41.9	36.0	30.8	26.1	21.6	17.7	14.5	11.8	9.4	7.1	4.9
85°	43.2	36.8	31.2	26.2	21.3	17.2	13.9	11.3	9.1	7.0	4.7
87.5°	44.8	37.8	31.8	26.4	21.3	16.9	13.5	11.1	9.1	7.1	5.1
90°	46.7	39.1	32.7	26.9	21.6	16.9	13.4	11.1	9.3	7.6	5.8
92.5°	44.8	37.8	31.8	26.4	21.3	16.9	13.5	11.1	9.1	7.1	5.1
95°	43.2	36.8	31.2	26.2	21.3	17.2	13.9	11.3	9.1	7.0	4.7
97.5°	41.9	36.0	30.8	26.1	21.6	17.7	14.5	11.8	9.4	7.1	4.9
100°	40.6	35.3	30.5	26.2	22.1	18.3	15.3	12.6	9.9	7.7	5.7
102.5°	39.5	34.6	30.2	26.4	22.7	18.7	15.8	13.0	10.5	8.4	6.6
105°	38.4	34.0	29.9	26.2	22.8	19.2	16.2	13.6	11.2	9.2	7.5
107.5°	37.5	33.4	29.5	26.0	22.8	19.7	16.6	14.3	11.9	10.0	8.2
110°	36.7	32.7	29.2	25.9	22.8	20.0	17.2	14.8	12.8	10.6	8.6



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-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°	35.8	32.1	28.8	25.7	22.8	20.1	17.8	15.3	13.2	11.2	9.2
115°	34.9	31.3	28.2	25.4	22.8	20.2	17.9	15.7	13.5	11.6	9.8
117.5°	33.9	30.5	27.5	24.9	22.6	20.3	17.9	15.7	13.8	11.9	10.2
120°	32.5	29.5	26.7	24.3	22.1	20.0	17.9	15.8	13.8	12.0	10.3
122.5°	30.9	28.1	25.8	23.7	21.5	19.5	17.6	15.7	13.9	12.2	10.5
125°	29.2	27.2	25.1	23.1	21.0	19.0	17.2	15.4	13.7	12.0	10.5
127.5°	28.0	26.3	24.3	22.4	20.5	18.6	16.7	15.0	13.3	11.7	10.2
130°	27.0	25.2	23.5	21.7	19.9	18.2	16.4	14.6	12.8	11.3	9.9
132.5°	26.0	24.3	22.6	20.9	19.2	17.5	15.9	14.3	12.7	11.2	9.7
135°	25.0	23.3	21.7	20.1	18.5	16.8	15.2	13.7	12.3	11.0	9.7
137.5°	23.9	22.4	20.8	19.3	17.9	16.3	14.6	13.1	11.9	10.6	9.3
140°	22.9	21.5	20.0	18.5	17.0	15.7	14.4	13.0	11.6	10.3	9.0
142.5°	21.8	20.4	19.1	17.9	16.4	15.0	13.7	12.5	11.4	10.2	8.9
145°	20.6	19.3	18.1	16.9	15.7	14.5	13.3	12.0	10.8	9.7	8.5
147.5°	19.6	18.2	17.0	15.9	14.8	13.7	12.6	11.5	10.3	9.2	8.1
150°	18.4	17.5	16.3	15.1	13.9	12.8	11.8	10.7	9.7	8.6	7.6
152.5°	17.1	16.2	15.2	14.3	13.3	12.2	11.1	10.1	9.0	8.0	7.0
155°	15.7	14.9	14.0	13.1	12.3	11.4	10.5	9.6	8.6	7.6	6.6
157.5°	14.2	13.5	12.8	12.0	11.2	10.4	9.5	8.7	7.9	7.0	6.2
160°	12.6	11.9	11.3	10.7	10.0	9.4	8.6	7.9	7.1	6.3	5.6
162.5°	11.2	10.6	10.0	9.4	8.7	8.1	7.5	6.9	6.2	5.6	4.9
165°	9.7	9.2	8.7	8.2	7.6	7.1	6.5	6.0	5.4	4.8	4.2
167.5°	8.2	7.8	7.4	6.9	6.5	6.0	5.5	5.1	4.6	4.1	3.6
170°	6.5	6.2	5.9	5.5	5.2	4.8	4.5	4.1	3.7	3.3	2.9
172.5°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.1	2.8	2.5	2.2
175°	3.2	3.0	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4
177.5°	1.7	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
7.5°	1.9	1.6	1.3	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.3
10°	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.4	0.8	1.3	1.7
12.5°	3.1	2.6	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
15°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
17.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
20°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
22.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.5
25°	5.7	4.7	3.8	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.8
27.5°	6.1	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
30°	6.5	5.4	4.3	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.3
32.5°	7.0	5.9	4.8	3.8	2.7	1.7	0.6	1.7	2.7	3.8	4.8
35°	7.4	6.3	5.1	4.0	2.9	1.7	0.6	1.7	2.9	4.0	5.1
37.5°	7.6	6.4	5.2	4.1	2.9	1.7	0.6	1.7	2.9	4.1	5.2
40°	7.8	6.6	5.4	4.2	3.0	1.8	0.6	1.8	3.0	4.2	5.4
42.5°	8.1	6.8	5.6	4.3	3.1	1.8	0.6	1.8	3.1	4.3	5.6
45°	8.3	6.9	5.6	4.3	3.1	1.8	0.6	1.8	3.1	4.3	5.6
47.5°	8.3	7.0	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4	5.7
50°	8.6	7.2	5.9	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.9
52.5°	8.8	7.4	6.0	4.7	3.3	1.9	0.6	1.9	3.3	4.7	6.0
55°	9.0	7.5	6.0	4.6	3.2	1.9	0.6	1.9	3.2	4.6	6.0
57.5°	8.9	7.4	6.0	4.6	3.3	1.9	0.6	1.9	3.3	4.6	6.0
60°	8.9	7.4	5.9	4.5	3.1	1.8	0.6	1.8	3.1	4.5	5.9
62.5°	8.6	7.0	5.5	4.1	2.9	1.7	0.6	1.7	2.9	4.1	5.5
65°	8.0	6.4	5.0	3.8	2.6	1.6	0.6	1.6	2.6	3.8	5.0
67.5°	7.4	5.9	4.6	3.5	2.5	1.5	0.6	1.5	2.5	3.5	4.6
70°	7.0	5.6	4.4	3.4	2.4	1.5	0.6	1.5	2.4	3.4	4.4
72.5°	6.5	5.1	4.0	3.0	2.0	1.2	0.6	1.2	2.0	3.0	4.0
75°	5.9	4.5	3.4	2.4	1.7	1.1	0.6	1.1	1.7	2.4	3.4
77.5°	5.1	4.1	2.9	1.8	0.7	0.1	0.0	0.1	0.7	1.8	2.9
80°	4.1	3.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
82.5°	3.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.1	3.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
102.5°	5.1	4.1	2.9	1.8	0.7	0.1	0.0	0.1	0.7	1.8	2.9
105°	5.9	4.5	3.4	2.4	1.7	1.1	0.6	1.1	1.7	2.4	3.4
107.5°	6.5	5.1	4.0	3.0	2.0	1.2	0.6	1.2	2.0	3.0	4.0
110°	7.0	5.6	4.4	3.4	2.4	1.5	0.6	1.5	2.4	3.4	4.4



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	7.4	5.9	4.6	3.5	2.5	1.5	0.6	1.5	2.5	3.5	4.6
115°	8.0	6.4	5.0	3.8	2.6	1.6	0.6	1.6	2.6	3.8	5.0
117.5°	8.6	7.0	5.5	4.1	2.9	1.7	0.6	1.7	2.9	4.1	5.5
120°	8.9	7.4	5.9	4.5	3.1	1.8	0.6	1.8	3.1	4.5	5.9
122.5°	8.9	7.4	6.0	4.6	3.3	1.9	0.6	1.9	3.3	4.6	6.0
125°	9.0	7.5	6.0	4.6	3.2	1.9	0.6	1.9	3.2	4.6	6.0
127.5°	8.8	7.4	6.0	4.7	3.3	1.9	0.6	1.9	3.3	4.7	6.0
130°	8.6	7.2	5.9	4.5	3.2	1.9	0.6	1.9	3.2	4.5	5.9
132.5°	8.3	7.0	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4	5.7
135°	8.3	6.9	5.6	4.3	3.1	1.8	0.6	1.8	3.1	4.3	5.6
137.5°	8.1	6.8	5.6	4.3	3.1	1.8	0.6	1.8	3.1	4.3	5.6
140°	7.8	6.6	5.4	4.2	3.0	1.8	0.6	1.8	3.0	4.2	5.4
142.5°	7.6	6.4	5.2	4.1	2.9	1.7	0.6	1.7	2.9	4.1	5.2
145°	7.4	6.3	5.1	4.0	2.9	1.7	0.6	1.7	2.9	4.0	5.1
147.5°	7.0	5.9	4.8	3.8	2.7	1.7	0.6	1.7	2.7	3.8	4.8
150°	6.5	5.4	4.3	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.3
152.5°	6.1	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
155°	5.7	4.7	3.8	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.8
157.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.5
160°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
162.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
165°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
167.5°	3.1	2.6	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
170°	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.4	0.8	1.3	1.7
172.5°	1.9	1.6	1.3	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.3
175°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
177.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6
5°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.9
7.5°	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.4
10°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.8	5.2	5.5	5.9
12.5°	2.6	3.1	3.6	4.1	4.6	5.1	5.5	6.0	6.5	6.9	7.4
15°	3.0	3.6	4.2	4.8	5.4	6.0	6.5	7.1	7.6	8.2	8.7
17.5°	3.5	4.2	4.9	5.6	6.2	6.9	7.5	8.1	8.7	9.4	10.0
20°	4.0	4.8	5.6	6.3	7.1	7.9	8.6	9.4	10.0	10.7	11.3
22.5°	4.4	5.3	6.2	7.0	7.9	8.7	9.5	10.4	11.2	12.0	12.8
25°	4.7	5.7	6.6	7.6	8.6	9.6	10.5	11.4	12.3	13.1	14.0
27.5°	5.0	6.1	7.0	8.0	9.0	10.1	11.1	12.2	13.3	14.3	15.2
30°	5.4	6.5	7.6	8.6	9.7	10.7	11.8	12.8	13.9	15.1	16.3
32.5°	5.9	7.0	8.1	9.2	10.3	11.5	12.6	13.7	14.8	15.9	17.0
35°	6.3	7.4	8.5	9.7	10.8	12.0	13.3	14.5	15.7	16.9	18.1
37.5°	6.4	7.6	8.9	10.2	11.4	12.5	13.7	15.0	16.4	17.9	19.1
40°	6.6	7.8	9.0	10.3	11.6	13.0	14.4	15.7	17.0	18.5	20.0
42.5°	6.8	8.1	9.3	10.6	11.9	13.1	14.6	16.3	17.9	19.3	20.8
45°	6.9	8.3	9.7	11.0	12.3	13.7	15.2	16.8	18.5	20.1	21.7
47.5°	7.0	8.3	9.7	11.2	12.7	14.3	15.9	17.5	19.2	20.9	22.6
50°	7.2	8.6	9.9	11.3	12.8	14.6	16.4	18.2	19.9	21.7	23.5
52.5°	7.4	8.8	10.2	11.7	13.3	15.0	16.7	18.6	20.5	22.4	24.3
55°	7.5	9.0	10.5	12.0	13.7	15.4	17.2	19.0	21.0	23.1	25.1
57.5°	7.4	8.9	10.5	12.2	13.9	15.7	17.6	19.5	21.5	23.7	25.8
60°	7.4	8.9	10.3	12.0	13.8	15.8	17.9	20.0	22.1	24.3	26.7
62.5°	7.0	8.6	10.2	11.9	13.8	15.7	17.9	20.3	22.6	24.9	27.5
65°	6.4	8.0	9.8	11.6	13.5	15.7	17.9	20.2	22.8	25.4	28.2
67.5°	5.9	7.4	9.2	11.2	13.2	15.3	17.8	20.1	22.8	25.7	28.8
70°	5.6	7.0	8.6	10.6	12.8	14.8	17.2	20.0	22.8	25.9	29.2
72.5°	5.1	6.5	8.2	10.0	11.9	14.3	16.6	19.7	22.8	26.0	29.5
75°	4.5	5.9	7.5	9.2	11.2	13.6	16.2	19.2	22.8	26.2	29.9
77.5°	4.1	5.1	6.6	8.4	10.5	13.0	15.8	18.7	22.7	26.4	30.2
80°	3.1	4.1	5.7	7.7	9.9	12.6	15.3	18.3	22.1	26.2	30.5
82.5°	1.8	3.1	4.9	7.1	9.4	11.8	14.5	17.7	21.6	26.1	30.8
85°	0.7	2.7	4.7	7.0	9.1	11.3	13.9	17.2	21.3	26.2	31.2
87.5°	0.3	2.9	5.1	7.1	9.1	11.1	13.5	16.9	21.3	26.4	31.8
90°	0.0	3.5	5.8	7.6	9.3	11.1	13.4	16.9	21.6	26.9	32.7
92.5°	0.3	2.9	5.1	7.1	9.1	11.1	13.5	16.9	21.3	26.4	31.8
95°	0.7	2.7	4.7	7.0	9.1	11.3	13.9	17.2	21.3	26.2	31.2
97.5°	1.8	3.1	4.9	7.1	9.4	11.8	14.5	17.7	21.6	26.1	30.8
100°	3.1	4.1	5.7	7.7	9.9	12.6	15.3	18.3	22.1	26.2	30.5
102.5°	4.1	5.1	6.6	8.4	10.5	13.0	15.8	18.7	22.7	26.4	30.2
105°	4.5	5.9	7.5	9.2	11.2	13.6	16.2	19.2	22.8	26.2	29.9
107.5°	5.1	6.5	8.2	10.0	11.9	14.3	16.6	19.7	22.8	26.0	29.5
110°	5.6	7.0	8.6	10.6	12.8	14.8	17.2	20.0	22.8	25.9	29.2



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-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°	5.9	7.4	9.2	11.2	13.2	15.3	17.8	20.1	22.8	25.7	28.8
115°	6.4	8.0	9.8	11.6	13.5	15.7	17.9	20.2	22.8	25.4	28.2
117.5°	7.0	8.6	10.2	11.9	13.8	15.7	17.9	20.3	22.6	24.9	27.5
120°	7.4	8.9	10.3	12.0	13.8	15.8	17.9	20.0	22.1	24.3	26.7
122.5°	7.4	8.9	10.5	12.2	13.9	15.7	17.6	19.5	21.5	23.7	25.8
125°	7.5	9.0	10.5	12.0	13.7	15.4	17.2	19.0	21.0	23.1	25.1
127.5°	7.4	8.8	10.2	11.7	13.3	15.0	16.7	18.6	20.5	22.4	24.3
130°	7.2	8.6	9.9	11.3	12.8	14.6	16.4	18.2	19.9	21.7	23.5
132.5°	7.0	8.3	9.7	11.2	12.7	14.3	15.9	17.5	19.2	20.9	22.6
135°	6.9	8.3	9.7	11.0	12.3	13.7	15.2	16.8	18.5	20.1	21.7
137.5°	6.8	8.1	9.3	10.6	11.9	13.1	14.6	16.3	17.9	19.3	20.8
140°	6.6	7.8	9.0	10.3	11.6	13.0	14.4	15.7	17.0	18.5	20.0
142.5°	6.4	7.6	8.9	10.2	11.4	12.5	13.7	15.0	16.4	17.9	19.1
145°	6.3	7.4	8.5	9.7	10.8	12.0	13.3	14.5	15.7	16.9	18.1
147.5°	5.9	7.0	8.1	9.2	10.3	11.5	12.6	13.7	14.8	15.9	17.0
150°	5.4	6.5	7.6	8.6	9.7	10.7	11.8	12.8	13.9	15.1	16.3
152.5°	5.0	6.1	7.0	8.0	9.0	10.1	11.1	12.2	13.3	14.3	15.2
155°	4.7	5.7	6.6	7.6	8.6	9.6	10.5	11.4	12.3	13.1	14.0
157.5°	4.4	5.3	6.2	7.0	7.9	8.7	9.5	10.4	11.2	12.0	12.8
160°	4.0	4.8	5.6	6.3	7.1	7.9	8.6	9.4	10.0	10.7	11.3
162.5°	3.5	4.2	4.9	5.6	6.2	6.9	7.5	8.1	8.7	9.4	10.0
165°	3.0	3.6	4.2	4.8	5.4	6.0	6.5	7.1	7.6	8.2	8.7
167.5°	2.6	3.1	3.6	4.1	4.6	5.1	5.5	6.0	6.5	6.9	7.4
170°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.8	5.2	5.5	5.9
172.5°	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.4
175°	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.9
177.5°	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.7	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.5
5°	3.0	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.3
7.5°	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.2	6.3	6.4
10°	6.2	6.5	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.6
12.5°	7.8	8.2	8.6	8.9	9.3	9.6	9.9	10.2	10.4	10.7	10.9
15°	9.2	9.7	10.2	10.7	11.1	11.5	11.9	12.2	12.5	12.8	13.1
17.5°	10.6	11.2	11.8	12.3	12.9	13.4	13.9	14.3	14.7	15.0	15.3
20°	11.9	12.6	13.2	13.9	14.5	15.1	15.7	16.3	16.8	17.2	17.5
22.5°	13.5	14.2	14.8	15.4	16.1	16.8	17.5	18.1	18.7	19.3	19.8
25°	14.9	15.7	16.5	17.2	17.8	18.4	19.2	19.9	20.6	21.3	22.6
27.5°	16.2	17.1	18.0	18.9	19.7	20.3	21.4	22.8	24.4	26.1	27.9
30°	17.5	18.4	19.4	20.5	21.8	23.3	24.7	26.1	27.9	30.1	32.4
32.5°	18.2	19.6	21.1	22.4	23.7	25.4	27.2	29.0	31.0	33.4	36.2
35°	19.3	20.6	22.2	23.8	25.4	27.0	29.0	31.2	33.6	36.2	39.4
37.5°	20.4	21.8	23.2	24.8	26.7	28.6	30.5	32.9	35.7	38.7	42.0
40°	21.5	22.9	24.3	25.9	27.7	29.8	32.0	34.2	37.3	40.7	44.5
42.5°	22.4	23.9	25.4	27.0	28.7	30.7	33.2	35.7	38.5	42.4	46.7
45°	23.3	25.0	26.5	28.2	29.9	31.8	34.2	36.9	39.9	43.7	48.3
47.5°	24.3	26.0	27.7	29.3	31.0	33.0	35.1	38.0	41.2	44.7	49.9
50°	25.2	27.0	28.9	30.6	32.2	34.1	36.3	39.2	43.4	47.4	51.9
52.5°	26.3	28.0	29.9	31.9	33.5	36.6	40.1	43.9	47.9	51.5	54.8
55°	27.2	29.2	31.1	34.2	37.5	40.8	44.7	48.8	52.7	56.1	58.6
57.5°	28.1	30.9	33.8	36.9	40.9	44.8	49.0	53.5	58.0	61.2	63.2
60°	29.5	32.5	36.1	39.6	43.7	48.4	53.1	58.1	63.0	66.5	68.3
62.5°	30.5	33.9	37.7	41.9	46.2	51.5	56.9	62.4	67.9	72.0	73.8
65°	31.3	34.9	39.1	43.8	48.6	54.3	60.4	66.6	72.7	77.9	79.7
67.5°	32.1	35.8	40.3	45.4	50.9	56.9	63.7	70.7	77.5	83.5	85.4
70°	32.7	36.7	41.3	46.8	53.0	59.2	66.8	74.5	82.0	88.2	89.7
72.5°	33.4	37.5	42.3	48.1	54.8	61.4	68.7	76.2	82.6	87.6	89.1
75°	34.0	38.4	43.5	49.5	56.2	62.9	69.9	77.2	83.3	87.4	88.7
77.5°	34.6	39.5	44.8	50.9	57.7	64.6	71.4	78.5	84.4	87.7	88.4
80°	35.3	40.6	46.2	52.5	59.5	66.5	73.2	80.1	85.9	88.3	88.2
82.5°	36.0	41.9	47.8	54.4	61.4	68.7	75.3	81.9	87.7	89.1	88.1
85°	36.8	43.2	49.5	56.4	63.7	71.1	77.6	84.0	89.7	90.1	88.0
87.5°	37.8	44.8	51.5	58.7	66.2	73.7	80.1	86.2	91.8	91.1	87.8
90°	39.1	46.7	53.7	61.3	68.9	76.5	82.9	88.7	94.0	92.2	87.6
92.5°	37.8	44.8	51.5	58.7	66.2	73.7	80.1	86.2	91.8	91.1	87.8
95°	36.8	43.2	49.5	56.4	63.7	71.1	77.6	84.0	89.7	90.1	88.0
97.5°	36.0	41.9	47.8	54.4	61.4	68.7	75.3	81.9	87.7	89.1	88.1
100°	35.3	40.6	46.2	52.5	59.5	66.5	73.2	80.1	85.9	88.3	88.2
102.5°	34.6	39.5	44.8	50.9	57.7	64.6	71.4	78.5	84.4	87.7	88.4
105°	34.0	38.4	43.5	49.5	56.2	62.9	69.9	77.2	83.3	87.4	88.7
107.5°	33.4	37.5	42.3	48.1	54.8	61.4	68.7	76.2	82.6	87.6	89.1
110°	32.7	36.7	41.3	46.8	53.0	59.2	66.8	74.5	82.0	88.2	89.7



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	32.1	35.8	40.3	45.4	50.9	56.9	63.7	70.7	77.5	83.5	85.4
115°	31.3	34.9	39.1	43.8	48.6	54.3	60.4	66.6	72.7	77.9	79.7
117.5°	30.5	33.9	37.7	41.9	46.2	51.5	56.9	62.4	67.9	72.0	73.8
120°	29.5	32.5	36.1	39.6	43.7	48.4	53.1	58.1	63.0	66.5	68.3
122.5°	28.1	30.9	33.8	36.9	40.9	44.8	49.0	53.5	58.0	61.2	63.2
125°	27.2	29.2	31.1	34.2	37.5	40.8	44.7	48.8	52.7	56.1	58.6
127.5°	26.3	28.0	29.9	31.9	33.5	36.6	40.1	43.9	47.9	51.5	54.8
130°	25.2	27.0	28.9	30.6	32.2	34.1	36.3	39.2	43.4	47.4	51.9
132.5°	24.3	26.0	27.7	29.3	31.0	33.0	35.1	38.0	41.2	44.7	49.9
135°	23.3	25.0	26.5	28.2	29.9	31.8	34.2	36.9	39.9	43.7	48.3
137.5°	22.4	23.9	25.4	27.0	28.7	30.7	33.2	35.7	38.5	42.4	46.7
140°	21.5	22.9	24.3	25.9	27.7	29.8	32.0	34.2	37.3	40.7	44.5
142.5°	20.4	21.8	23.2	24.8	26.7	28.6	30.5	32.9	35.7	38.7	42.0
145°	19.3	20.6	22.2	23.8	25.4	27.0	29.0	31.2	33.6	36.2	39.4
147.5°	18.2	19.6	21.1	22.4	23.7	25.4	27.2	29.0	31.0	33.4	36.2
150°	17.5	18.4	19.4	20.5	21.8	23.3	24.7	26.1	27.9	30.1	32.4
152.5°	16.2	17.1	18.0	18.9	19.7	20.3	21.4	22.8	24.4	26.1	27.9
155°	14.9	15.7	16.5	17.2	17.8	18.4	19.2	19.9	20.6	21.3	22.6
157.5°	13.5	14.2	14.8	15.4	16.1	16.8	17.5	18.1	18.7	19.3	19.8
160°	11.9	12.6	13.2	13.9	14.5	15.1	15.7	16.3	16.8	17.2	17.5
162.5°	10.6	11.2	11.8	12.3	12.9	13.4	13.9	14.3	14.7	15.0	15.3
165°	9.2	9.7	10.2	10.7	11.1	11.5	11.9	12.2	12.5	12.8	13.1
167.5°	7.8	8.2	8.6	8.9	9.3	9.6	9.9	10.2	10.4	10.7	10.9
170°	6.2	6.5	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.6
172.5°	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.2	6.3	6.4
175°	3.0	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.3
177.5°	1.7	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.3
5°	4.5	4.6	4.7	4.9	5.0	5.1	5.2	5.3	5.3	5.4	6.0
7.5°	6.5	6.6	6.8	6.9	7.1	7.3	7.4	7.6	7.7	7.8	8.7
10°	8.8	8.9	9.0	9.0	9.2	9.5	9.7	9.9	10.0	10.2	11.4
12.5°	11.1	11.2	11.3	11.4	11.4	11.6	11.9	12.2	12.4	12.6	14.0
15°	13.3	13.6	13.7	13.8	13.8	13.8	14.1	14.4	14.7	15.0	16.7
17.5°	15.6	15.8	16.1	16.2	16.2	16.2	16.3	16.7	17.1	17.4	19.3
20°	17.8	18.1	18.4	18.6	18.6	18.6	18.5	19.0	19.4	19.8	22.0
22.5°	20.1	20.4	20.7	20.9	21.1	21.0	20.9	21.2	21.7	22.2	24.6
25°	23.8	25.0	26.2	27.2	28.1	28.5	28.6	28.8	29.2	29.6	32.1
27.5°	29.9	31.6	33.3	34.8	36.0	36.7	36.7	36.6	36.8	37.0	39.6
30°	35.0	37.6	39.9	42.2	43.7	45.0	44.8	44.4	44.5	44.4	47.0
32.5°	39.4	42.7	45.9	48.9	51.2	53.0	53.1	52.5	52.2	51.8	54.4
35°	43.1	47.2	51.5	55.2	58.6	60.7	61.4	60.6	59.9	59.1	61.8
37.5°	46.3	51.0	56.3	61.1	65.9	68.3	69.8	68.7	67.6	66.5	69.2
40°	49.1	54.4	60.5	66.6	72.1	75.8	78.2	76.8	75.4	73.9	76.5
42.5°	51.3	57.5	64.3	72.0	78.2	83.2	86.7	85.1	83.2	81.3	83.8
45°	53.7	60.1	67.6	76.1	84.0	90.6	94.4	93.3	91.1	88.7	91.1
47.5°	55.6	61.7	69.0	77.2	85.1	92.0	96.0	96.4	95.6	95.3	100.0
50°	56.7	61.8	68.7	76.4	84.5	92.0	96.9	99.0	99.9	101.9	109.0
52.5°	58.6	63.0	68.7	75.9	84.1	91.7	97.6	101.3	104.1	108.6	118.2
55°	61.4	64.7	69.2	75.7	83.7	91.5	98.3	103.5	108.0	115.2	127.5
57.5°	64.9	66.9	70.0	75.8	83.6	91.4	98.9	105.5	111.9	121.8	137.0
60°	69.1	69.6	71.3	76.5	83.6	91.4	99.4	107.3	115.6	128.4	146.6
62.5°	73.8	72.9	73.5	77.4	83.8	91.5	99.9	109.0	119.2	135.1	156.2
65°	78.9	76.9	76.0	78.5	84.2	91.7	100.3	110.5	122.7	141.7	166.0
67.5°	84.2	81.2	78.9	79.9	84.8	91.9	100.7	112.0	126.2	148.3	175.8
70°	87.4	83.3	79.8	79.9	84.2	91.1	99.7	111.1	125.3	147.2	175.3
72.5°	86.7	82.7	79.4	79.4	83.5	90.2	98.7	110.1	124.4	146.1	174.6
75°	86.1	81.9	79.0	78.9	82.9	89.3	97.8	109.2	123.6	145.0	175.0
77.5°	85.4	81.0	78.4	78.4	82.3	88.6	96.9	108.4	122.8	143.9	173.9
80°	84.6	79.9	77.7	77.9	81.8	87.9	96.0	107.6	122.1	142.8	172.9
82.5°	83.9	78.7	77.0	77.5	81.4	87.3	95.3	106.9	121.4	141.7	171.8
85°	83.1	77.4	76.2	77.1	81.1	86.7	94.6	106.3	120.8	140.6	170.8
87.5°	82.2	76.1	75.5	76.8	80.8	86.2	94.0	105.7	120.2	139.5	169.7
90°	81.2	74.7	74.7	76.5	80.6	85.8	93.4	105.1	119.7	138.4	168.7
92.5°	82.2	76.1	75.5	76.8	80.8	86.2	94.0	105.7	120.2	139.5	169.7
95°	83.1	77.4	76.2	77.1	81.1	86.7	94.6	106.3	120.8	140.6	170.8
97.5°	83.9	78.7	77.0	77.5	81.4	87.3	95.3	106.9	121.4	141.7	171.8
100°	84.6	79.9	77.7	77.9	81.8	87.9	96.0	107.6	122.1	142.8	172.9
102.5°	85.4	81.0	78.4	78.4	82.3	88.6	96.9	108.4	122.8	143.9	173.9
105°	86.1	81.9	79.0	78.9	82.9	89.3	97.8	109.2	123.6	145.0	175.0
107.5°	86.7	82.7	79.4	79.4	83.5	90.2	98.7	110.1	124.4	146.1	174.6
110°	87.4	83.3	79.8	79.9	84.2	91.1	99.7	111.1	125.3	147.2	175.3



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-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°	84.2	81.2	78.9	79.9	84.8	91.9	100.7	112.0	126.2	148.3	175.8
115°	78.9	76.9	76.0	78.5	84.2	91.7	100.3	110.5	122.7	141.7	166.0
117.5°	73.8	72.9	73.5	77.4	83.8	91.5	99.9	109.0	119.2	135.1	156.2
120°	69.1	69.6	71.3	76.5	83.6	91.4	99.4	107.3	115.6	128.4	146.6
122.5°	64.9	66.9	70.0	75.8	83.6	91.4	98.9	105.5	111.9	121.8	137.0
125°	61.4	64.7	69.2	75.7	83.7	91.5	98.3	103.5	108.0	115.2	127.5
127.5°	58.6	63.0	68.7	75.9	84.1	91.7	97.6	101.3	104.1	108.6	118.2
130°	56.7	61.8	68.7	76.4	84.5	92.0	96.9	99.0	99.9	101.9	109.0
132.5°	55.6	61.7	69.0	77.2	85.1	92.0	96.0	96.4	95.6	95.3	100.0
135°	53.7	60.1	67.6	76.1	84.0	90.6	94.4	93.3	91.1	88.7	91.1
137.5°	51.3	57.5	64.3	72.0	78.2	83.2	86.7	85.1	83.2	81.3	83.8
140°	49.1	54.4	60.5	66.6	72.1	75.8	78.2	76.8	75.4	73.9	76.5
142.5°	46.3	51.0	56.3	61.1	65.9	68.3	69.8	68.7	67.6	66.5	69.2
145°	43.1	47.2	51.5	55.2	58.6	60.7	61.4	60.6	59.9	59.1	61.8
147.5°	39.4	42.7	45.9	48.9	51.2	53.0	53.1	52.5	52.2	51.8	54.4
150°	35.0	37.6	39.9	42.2	43.7	45.0	44.8	44.4	44.5	44.4	47.0
152.5°	29.9	31.6	33.3	34.8	36.0	36.7	36.7	36.6	36.8	37.0	39.6
155°	23.8	25.0	26.2	27.2	28.1	28.5	28.6	28.8	29.2	29.6	32.1
157.5°	20.1	20.4	20.7	20.9	21.1	21.0	20.9	21.2	21.7	22.2	24.6
160°	17.8	18.1	18.4	18.6	18.6	18.6	18.5	19.0	19.4	19.8	22.0
162.5°	15.6	15.8	16.1	16.2	16.2	16.2	16.3	16.7	17.1	17.4	19.3
165°	13.3	13.6	13.7	13.8	13.8	13.8	14.1	14.4	14.7	15.0	16.7
167.5°	11.1	11.2	11.3	11.4	11.4	11.6	11.9	12.2	12.4	12.6	14.0
170°	8.8	8.9	9.0	9.0	9.2	9.5	9.7	9.9	10.0	10.2	11.4
172.5°	6.5	6.6	6.8	6.9	7.1	7.3	7.4	7.6	7.7	7.8	8.7
175°	4.5	4.6	4.7	4.9	5.0	5.1	5.2	5.3	5.3	5.4	6.0
177.5°	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	3.6	3.9	4.2	4.4	4.7	5.0	5.2	5.5	5.7	5.9	6.1
5°	6.6	7.1	7.7	8.3	8.8	9.3	9.8	10.3	10.8	11.2	11.6
7.5°	9.5	10.4	11.2	12.0	12.8	13.6	14.4	15.4	16.4	17.3	18.2
10°	12.5	13.6	14.7	15.8	16.9	18.3	19.7	21.0	22.3	23.5	24.8
12.5°	15.4	16.8	18.2	19.7	21.5	23.2	24.9	26.5	28.3	30.1	31.9
15°	18.4	20.0	21.7	23.8	26.0	28.0	30.1	32.3	34.4	36.6	38.9
17.5°	21.3	23.1	25.5	28.0	30.4	32.9	35.3	37.8	40.2	42.4	44.6
20°	24.2	26.3	29.2	32.0	34.8	37.5	40.2	42.8	45.4	47.9	50.4
22.5°	27.0	29.7	32.9	36.1	39.0	41.9	44.7	47.7	50.6	53.3	55.9
25°	34.5	37.4	40.6	43.6	46.3	48.8	51.4	53.9	56.2	58.1	60.8
27.5°	42.0	45.4	48.8	51.9	54.7	57.5	60.2	62.7	64.8	66.7	68.7
30°	49.5	53.3	57.0	60.1	63.3	66.0	68.7	71.0	73.0	75.1	77.2
32.5°	57.2	61.1	64.8	68.2	71.3	74.1	76.7	78.9	81.1	83.2	85.9
35°	64.8	68.9	72.7	76.2	79.2	82.3	84.4	86.6	88.7	91.2	94.7
37.5°	72.3	76.6	80.5	84.0	86.9	89.6	91.9	94.0	96.3	99.5	103.3
40°	79.9	84.2	88.2	91.6	94.5	96.9	99.1	101.0	103.8	107.3	112.4
42.5°	87.4	91.8	95.8	99.1	101.7	104.0	105.9	107.8	111.2	115.6	121.2
45°	94.8	99.3	103.4	106.3	108.8	110.8	112.6	114.9	118.2	123.8	130.0
47.5°	106.2	112.8	118.5	121.0	122.0	122.1	121.9	122.7	125.8	132.1	138.7
50°	118.2	127.6	135.5	138.8	139.0	138.7	139.0	140.4	143.1	146.5	150.6
52.5°	130.5	142.8	152.5	157.0	155.5	155.5	156.6	158.4	161.3	164.6	168.6
55°	143.1	158.4	169.8	174.5	171.7	172.3	174.2	176.5	179.1	181.9	185.6
57.5°	156.0	174.4	187.3	191.4	187.7	189.3	191.8	194.2	196.4	198.6	201.7
60°	169.2	190.8	204.9	208.0	204.4	206.4	209.5	211.5	213.0	214.6	216.4
62.5°	182.6	207.5	222.6	224.4	221.1	223.7	227.2	228.5	229.0	229.7	230.2
65°	196.1	224.4	240.5	240.5	237.8	241.1	244.4	245.1	244.6	244.1	243.0
67.5°	209.8	241.5	258.5	256.5	254.6	258.5	261.3	261.1	259.5	257.7	255.0
70°	209.9	243.1	263.3	264.5	265.1	269.2	272.1	272.6	271.7	269.9	266.3
72.5°	209.3	243.4	266.7	271.4	272.9	275.5	277.0	277.0	275.8	273.5	270.7
75°	208.5	243.5	270.3	279.0	280.4	281.3	281.8	281.3	279.8	277.2	274.6
77.5°	207.6	243.5	274.1	287.1	287.7	286.8	286.4	285.7	283.8	280.9	278.7
80°	207.6	243.3	278.0	295.7	294.9	292.0	291.0	290.1	287.7	284.6	282.9
82.5°	205.9	243.9	283.2	304.5	301.9	297.0	295.4	294.5	291.6	288.4	287.3
85°	204.2	242.7	286.3	314.0	308.8	301.7	299.8	298.9	295.6	292.2	291.7
87.5°	202.5	241.6	289.4	322.5	315.8	306.8	304.3	303.3	299.5	296.1	296.2
90°	200.8	240.5	292.5	331.0	322.9	311.8	308.8	307.7	303.6	300.1	300.7
92.5°	202.5	241.6	289.4	322.5	315.8	306.8	304.3	303.3	299.5	296.1	296.2
95°	204.2	242.7	286.3	314.0	308.8	301.7	299.8	298.9	295.6	292.2	291.7
97.5°	205.9	243.9	283.2	304.5	301.9	297.0	295.4	294.5	291.6	288.4	287.3
100°	207.6	243.3	278.0	295.7	294.9	292.0	291.0	290.1	287.7	284.6	282.9
102.5°	207.6	243.5	274.1	287.1	287.7	286.8	286.4	285.7	283.8	280.9	278.7
105°	208.5	243.5	270.3	279.0	280.4	281.3	281.8	281.3	279.8	277.2	274.6
107.5°	209.3	243.4	266.7	271.4	272.9	275.5	277.0	277.0	275.8	273.5	270.7
110°	209.9	243.1	263.3	264.5	265.1	269.2	272.1	272.6	271.7	269.9	266.3



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	209.8	241.5	258.5	256.5	254.6	258.5	261.3	261.1	259.5	257.7	255.0
115°	196.1	224.4	240.5	240.5	237.8	241.1	244.4	245.1	244.6	244.1	243.0
117.5°	182.6	207.5	222.6	224.4	221.1	223.7	227.2	228.5	229.0	229.7	230.2
120°	169.2	190.8	204.9	208.0	204.4	206.4	209.5	211.5	213.0	214.6	216.4
122.5°	156.0	174.4	187.3	191.4	187.7	189.3	191.8	194.2	196.4	198.6	201.7
125°	143.1	158.4	169.8	174.5	171.7	172.3	174.2	176.5	179.1	181.9	185.6
127.5°	130.5	142.8	152.5	157.0	155.5	155.5	156.6	158.4	161.3	164.6	168.6
130°	118.2	127.6	135.5	138.8	139.0	138.7	139.0	140.4	143.1	146.5	150.6
132.5°	106.2	112.8	118.5	121.0	122.0	122.1	121.9	122.7	125.8	132.1	138.7
135°	94.8	99.3	103.4	106.3	108.8	110.8	112.6	114.9	118.2	123.8	130.0
137.5°	87.4	91.8	95.8	99.1	101.7	104.0	105.9	107.8	111.2	115.6	121.2
140°	79.9	84.2	88.2	91.6	94.5	96.9	99.1	101.0	103.8	107.3	112.4
142.5°	72.3	76.6	80.5	84.0	86.9	89.6	91.9	94.0	96.3	99.5	103.3
145°	64.8	68.9	72.7	76.2	79.2	82.3	84.4	86.6	88.7	91.2	94.7
147.5°	57.2	61.1	64.8	68.2	71.3	74.1	76.7	78.9	81.1	83.2	85.9
150°	49.5	53.3	57.0	60.1	63.3	66.0	68.7	71.0	73.0	75.1	77.2
152.5°	42.0	45.4	48.8	51.9	54.7	57.5	60.2	62.7	64.8	66.7	68.7
155°	34.5	37.4	40.6	43.6	46.3	48.8	51.4	53.9	56.2	58.1	60.8
157.5°	27.0	29.7	32.9	36.1	39.0	41.9	44.7	47.7	50.6	53.3	55.9
160°	24.2	26.3	29.2	32.0	34.8	37.5	40.2	42.8	45.4	47.9	50.4
162.5°	21.3	23.1	25.5	28.0	30.4	32.9	35.3	37.8	40.2	42.4	44.6
165°	18.4	20.0	21.7	23.8	26.0	28.0	30.1	32.3	34.4	36.6	38.9
167.5°	15.4	16.8	18.2	19.7	21.5	23.2	24.9	26.5	28.3	30.1	31.9
170°	12.5	13.6	14.7	15.8	16.9	18.3	19.7	21.0	22.3	23.5	24.8
172.5°	9.5	10.4	11.2	12.0	12.8	13.6	14.4	15.4	16.4	17.3	18.2
175°	6.6	7.1	7.7	8.3	8.8	9.3	9.8	10.3	10.8	11.2	11.6
177.5°	3.6	3.9	4.2	4.4	4.7	5.0	5.2	5.5	5.7	5.9	6.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	6.4	6.5	6.7	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.8
5°	12.2	12.8	13.3	13.8	14.3	14.7	15.1	15.5	15.9	16.2	16.5
7.5°	19.1	19.9	20.7	21.5	22.2	23.1	24.0	24.8	25.6	26.3	26.9
10°	26.2	27.6	28.9	30.3	31.5	32.7	33.9	34.8	35.6	36.3	37.0
12.5°	33.7	35.4	37.0	38.3	39.6	40.8	41.9	42.9	43.9	45.0	46.3
15°	40.5	42.2	43.8	45.4	47.0	48.8	50.6	52.3	54.0	55.7	57.2
17.5°	46.6	48.9	50.8	53.0	55.2	57.3	59.4	61.4	63.3	65.2	67.0
20°	52.8	55.3	57.7	60.2	62.6	65.0	67.3	69.6	71.6	73.5	75.2
22.5°	58.5	61.2	63.9	66.6	69.4	72.1	74.8	77.2	79.4	81.0	82.3
25°	63.6	66.6	69.8	73.0	76.3	79.5	82.5	85.0	87.2	89.2	91.2
27.5°	70.6	72.9	76.0	80.0	84.2	88.0	91.8	94.9	98.0	100.6	102.9
30°	79.9	83.0	86.3	90.4	94.2	98.6	103.1	107.1	110.7	113.6	116.3
32.5°	89.3	93.0	97.5	101.9	106.8	111.5	116.3	120.8	124.6	127.9	130.9
35°	98.7	103.5	108.5	113.9	119.2	124.6	129.8	134.3	138.4	142.6	146.8
37.5°	108.4	113.8	119.6	125.6	131.6	137.2	142.4	147.5	152.8	158.3	164.1
40°	117.9	124.2	130.6	137.2	143.4	149.3	155.4	161.5	168.3	175.8	183.6
42.5°	127.6	134.3	141.4	148.3	154.9	161.8	168.7	177.0	186.0	195.1	204.8
45°	136.9	144.4	151.9	159.2	166.8	174.4	183.6	193.0	203.7	215.5	229.4
47.5°	146.2	154.2	162.1	170.3	178.6	188.2	198.3	209.7	223.1	238.0	256.1
50°	155.8	163.7	172.3	181.3	191.1	201.5	213.2	227.3	243.8	263.0	284.6
52.5°	173.3	178.5	184.8	192.4	203.5	214.8	228.6	245.4	265.5	289.4	317.9
55°	189.6	194.2	200.3	208.0	217.4	228.2	243.7	264.1	288.4	318.3	353.8
57.5°	204.5	208.5	214.4	222.8	233.6	247.5	263.6	283.2	313.3	349.6	389.7
60°	218.3	221.2	228.0	238.0	251.1	266.6	284.4	310.1	342.0	379.7	426.3
62.5°	231.0	233.8	240.9	252.7	268.7	285.2	306.4	335.0	371.8	415.1	464.1
65°	242.5	245.9	254.7	268.6	285.6	301.6	327.0	360.6	401.3	448.3	502.2
67.5°	252.9	257.1	268.1	284.4	300.6	319.1	346.5	382.9	427.7	479.6	538.3
70°	263.5	267.9	281.0	299.7	313.8	334.7	365.5	405.0	452.1	506.6	571.6
72.5°	270.7	278.0	293.7	313.3	325.6	348.9	381.3	423.4	472.6	531.3	596.4
75°	276.1	285.6	303.8	323.1	338.8	362.5	396.2	438.6	488.3	550.7	617.7
77.5°	281.4	292.7	313.7	333.0	350.8	376.2	410.9	453.9	505.8	567.8	634.3
80°	286.6	299.3	323.3	342.8	361.7	387.6	422.7	466.0	520.6	584.1	653.3
82.5°	291.7	305.4	332.5	352.4	371.4	397.0	431.7	474.8	531.5	595.9	667.5
85°	296.5	311.1	341.0	361.6	380.0	404.7	438.3	480.7	538.6	603.3	676.5
87.5°	301.4	316.6	349.3	370.7	388.1	411.3	443.6	484.9	543.6	608.5	682.9
90°	305.9	321.1	355.5	378.3	394.7	415.7	445.5	484.6	541.8	605.4	679.0
92.5°	301.4	316.6	349.3	370.7	388.1	411.3	443.6	484.9	543.6	608.5	682.9
95°	296.5	311.1	341.0	361.6	380.0	404.7	438.3	480.7	538.6	603.3	676.5
97.5°	291.7	305.4	332.5	352.4	371.4	397.0	431.7	474.8	531.5	595.9	667.5
100°	286.6	299.3	323.3	342.8	361.7	387.6	422.7	466.0	520.6	584.1	653.3
102.5°	281.4	292.7	313.7	333.0	350.8	376.2	410.9	453.9	505.8	567.8	634.3
105°	276.1	285.6	303.8	323.1	338.8	362.5	396.2	438.6	488.3	550.7	617.7
107.5°	270.7	278.0	293.7	313.3	325.6	348.9	381.3	423.4	472.6	531.3	596.4
110°	263.5	267.9	281.0	299.7	313.8	334.7	365.5	405.0	452.1	506.6	571.6



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-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°	252.9	257.1	268.1	284.4	300.6	319.1	346.5	382.9	427.7	479.6	538.3
115°	242.5	245.9	254.7	268.6	285.6	301.6	327.0	360.6	401.3	448.3	502.2
117.5°	231.0	233.8	240.9	252.7	268.7	285.2	306.4	335.0	371.8	415.1	464.1
120°	218.3	221.2	228.0	238.0	251.1	266.6	284.4	310.1	342.0	379.7	426.3
122.5°	204.5	208.5	214.4	222.8	233.6	247.5	263.6	283.2	313.3	349.6	389.7
125°	189.6	194.2	200.3	208.0	217.4	228.2	243.7	264.1	288.4	318.3	353.8
127.5°	173.3	178.5	184.8	192.4	203.5	214.8	228.6	245.4	265.5	289.4	317.9
130°	155.8	163.7	172.3	181.3	191.1	201.5	213.2	227.3	243.8	263.0	284.6
132.5°	146.2	154.2	162.1	170.3	178.6	188.2	198.3	209.7	223.1	238.0	256.1
135°	136.9	144.4	151.9	159.2	166.8	174.4	183.6	193.0	203.7	215.5	229.4
137.5°	127.6	134.3	141.4	148.3	154.9	161.8	168.7	177.0	186.0	195.1	204.8
140°	117.9	124.2	130.6	137.2	143.4	149.3	155.4	161.5	168.3	175.8	183.6
142.5°	108.4	113.8	119.6	125.6	131.6	137.2	142.4	147.5	152.8	158.3	164.1
145°	98.7	103.5	108.5	113.9	119.2	124.6	129.8	134.3	138.4	142.6	146.8
147.5°	89.3	93.0	97.5	101.9	106.8	111.5	116.3	120.8	124.6	127.9	130.9
150°	79.9	83.0	86.3	90.4	94.2	98.6	103.1	107.1	110.7	113.6	116.3
152.5°	70.6	72.9	76.0	80.0	84.2	88.0	91.8	94.9	98.0	100.6	102.9
155°	63.6	66.6	69.8	73.0	76.3	79.5	82.5	85.0	87.2	89.2	91.2
157.5°	58.5	61.2	63.9	66.6	69.4	72.1	74.8	77.2	79.4	81.0	82.3
160°	52.8	55.3	57.7	60.2	62.6	65.0	67.3	69.6	71.6	73.5	75.2
162.5°	46.6	48.9	50.8	53.0	55.2	57.3	59.4	61.4	63.3	65.2	67.0
165°	40.5	42.2	43.8	45.4	47.0	48.8	50.6	52.3	54.0	55.7	57.2
167.5°	33.7	35.4	37.0	38.3	39.6	40.8	41.9	42.9	43.9	45.0	46.3
170°	26.2	27.6	28.9	30.3	31.5	32.7	33.9	34.8	35.6	36.3	37.0
172.5°	19.1	19.9	20.7	21.5	22.2	23.1	24.0	24.8	25.6	26.3	26.9
175°	12.2	12.8	13.3	13.8	14.3	14.7	15.1	15.5	15.9	16.2	16.5
177.5°	6.4	6.5	6.7	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	7.8	7.9	7.9	8.0	8.0	8.0	8.2	8.1	8.0	7.9	7.8
5°	16.7	16.9	17.1	17.2	17.3	17.4	17.4	17.4	17.7	17.5	17.3
7.5°	27.5	28.1	28.6	29.0	29.4	29.6	29.9	30.0	30.1	30.5	30.3
10°	37.5	38.1	38.5	38.9	39.2	39.4	39.6	39.7	39.7	40.0	39.7
12.5°	47.4	48.5	49.5	50.4	51.2	51.9	52.5	53.0	53.4	53.7	54.1
15°	58.6	59.9	61.1	62.3	63.3	64.2	65.0	65.7	66.3	66.7	67.3
17.5°	68.6	69.9	71.0	71.9	72.8	73.4	74.0	74.4	74.7	74.9	75.2
20°	76.7	77.8	78.4	78.7	78.9	78.8	78.6	78.2	77.6	77.0	76.3
22.5°	83.2	83.9	84.6	85.3	85.6	85.7	85.5	85.1	84.4	83.6	82.7
25°	92.8	94.0	94.9	95.4	95.6	95.5	95.0	94.2	93.1	91.7	90.1
27.5°	104.6	105.9	106.8	107.6	108.5	109.1	109.3	109.2	108.8	108.0	106.8
30°	118.4	120.5	122.3	123.8	125.8	127.5	128.9	129.8	130.3	130.3	129.9
32.5°	133.9	137.2	140.4	143.2	146.8	150.6	154.0	156.9	159.2	160.8	161.7
35°	150.8	156.2	161.8	167.3	172.7	178.7	184.1	188.9	193.0	196.3	198.7
37.5°	170.8	177.9	186.0	194.0	201.6	210.5	219.2	227.0	233.9	239.7	244.3
40°	192.3	201.5	212.8	224.7	236.2	248.2	260.2	271.2	280.9	289.3	296.0
42.5°	216.8	229.2	243.3	259.6	275.4	290.9	308.4	324.5	339.0	351.5	361.9
45°	244.1	261.4	278.3	300.1	322.3	345.9	366.4	387.8	406.9	423.7	437.7
47.5°	275.1	298.1	322.0	347.1	376.0	403.9	432.1	459.8	485.0	507.3	526.4
50°	311.4	339.2	370.7	401.4	435.3	470.5	505.4	540.0	570.3	596.1	617.4
52.5°	350.6	385.1	422.9	461.0	503.0	546.7	588.3	629.4	663.0	689.4	709.1
55°	391.5	433.8	478.5	528.2	579.9	637.4	688.1	723.7	750.4	770.2	783.5
57.5°	434.6	484.8	538.4	600.1	667.3	720.6	772.9	799.8	815.5	827.0	834.4
60°	478.8	535.8	600.7	665.9	728.4	781.5	823.0	848.7	859.6	868.2	874.3
62.5°	520.3	585.0	652.4	719.6	776.7	825.3	860.1	883.3	894.3	904.0	911.7
65°	562.1	625.1	696.0	764.0	823.7	870.5	897.1	913.9	923.2	932.4	940.4
67.5°	601.5	667.7	739.8	814.8	876.3	911.1	929.7	938.1	946.2	957.9	965.5
70°	636.3	708.6	786.5	867.2	919.5	939.8	950.8	962.3	973.5	980.3	986.6
72.5°	666.6	742.8	825.1	896.5	940.6	958.1	969.8	980.3	989.8	998.3	1007.1
75°	691.4	769.5	850.9	919.8	959.1	973.1	983.0	993.3	1003.7	1014.7	1024.0
77.5°	708.8	786.1	875.2	943.9	973.6	987.1	995.4	1001.6	1013.2	1025.8	1038.2
80°	725.7	804.8	896.1	966.3	988.1	1000.0	1003.3	1011.5	1019.0	1033.5	1049.8
82.5°	740.1	823.4	915.9	974.4	997.2	1005.7	1011.1	1022.3	1030.9	1042.2	1055.3
85°	748.7	832.6	929.7	979.5	1001.0	1008.2	1018.5	1032.4	1041.4	1049.3	1051.9
87.5°	754.3	832.9	936.0	983.3	1003.8	1010.9	1021.2	1033.9	1040.7	1053.6	1061.9
90°	749.0	825.5	933.5	983.7	1004.8	1013.5	1021.1	1032.2	1033.4	1049.7	1062.0
92.5°	754.3	832.9	936.0	983.3	1003.8	1010.9	1021.2	1033.9	1040.7	1053.6	1061.9
95°	748.7	832.6	929.7	979.5	1001.0	1008.2	1018.5	1032.4	1041.4	1049.3	1051.9
97.5°	740.1	823.4	915.9	974.4	997.2	1005.7	1011.1	1022.3	1030.9	1042.2	1055.3
100°	725.7	804.8	896.1	966.3	988.1	1000.0	1003.3	1011.5	1019.0	1033.5	1049.8
102.5°	708.8	786.1	875.2	943.9	973.6	987.1	995.4	1001.6	1013.2	1025.8	1038.2
105°	691.4	769.5	850.9	919.8	959.1	973.1	983.0	993.3	1003.7	1014.7	1024.0
107.5°	666.6	742.8	825.1	896.5	940.6	958.1	969.8	980.3	989.8	998.3	1007.1
110°	636.3	708.6	786.5	867.2	919.5	939.8	950.8	962.3	973.5	980.3	986.6



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	601.5	667.7	739.8	814.8	876.3	911.1	929.7	938.1	946.2	957.9	965.5
115°	562.1	625.1	696.0	764.0	823.7	870.5	897.1	913.9	923.2	932.4	940.4
117.5°	520.3	585.0	652.4	719.6	776.7	825.3	860.1	883.3	894.3	904.0	911.7
120°	478.8	535.8	600.7	665.9	728.4	781.5	823.0	848.7	859.6	868.2	874.3
122.5°	434.6	484.8	538.4	600.1	667.3	720.6	772.9	799.8	815.5	827.0	834.4
125°	391.5	433.8	478.5	528.2	579.9	637.4	688.1	723.7	750.4	770.2	783.5
127.5°	350.6	385.1	422.9	461.0	503.0	546.7	588.3	629.4	663.0	689.4	709.1
130°	311.4	339.2	370.7	401.4	435.3	470.5	505.4	540.0	570.3	596.1	617.4
132.5°	275.1	298.1	322.0	347.1	376.0	403.9	432.1	459.8	485.0	507.3	526.4
135°	244.1	261.4	278.3	300.1	322.3	345.9	366.4	387.8	406.9	423.7	437.7
137.5°	216.8	229.2	243.3	259.6	275.4	290.9	308.4	324.5	339.0	351.5	361.9
140°	192.3	201.5	212.8	224.7	236.2	248.2	260.2	271.2	280.9	289.3	296.0
142.5°	170.8	177.9	186.0	194.0	201.6	210.5	219.2	227.0	233.9	239.7	244.3
145°	150.8	156.2	161.8	167.3	172.7	178.7	184.1	188.9	193.0	196.3	198.7
147.5°	133.9	137.2	140.4	143.2	146.8	150.6	154.0	156.9	159.2	160.8	161.7
150°	118.4	120.5	122.3	123.8	125.8	127.5	128.9	129.8	130.3	130.3	129.9
152.5°	104.6	105.9	106.8	107.6	108.5	109.1	109.3	109.2	108.8	108.0	106.8
155°	92.8	94.0	94.9	95.4	95.6	95.5	95.0	94.2	93.1	91.7	90.1
157.5°	83.2	83.9	84.6	85.3	85.6	85.7	85.5	85.1	84.4	83.6	82.7
160°	76.7	77.8	78.4	78.7	78.9	78.8	78.6	78.2	77.6	77.0	76.3
162.5°	68.6	69.9	71.0	71.9	72.8	73.4	74.0	74.4	74.7	74.9	75.2
165°	58.6	59.9	61.1	62.3	63.3	64.2	65.0	65.7	66.3	66.7	67.3
167.5°	47.4	48.5	49.5	50.4	51.2	51.9	52.5	53.0	53.4	53.7	54.1
170°	37.5	38.1	38.5	38.9	39.2	39.4	39.6	39.7	39.7	40.0	39.7
172.5°	27.5	28.1	28.6	29.0	29.4	29.6	29.9	30.0	30.1	30.5	30.3
175°	16.7	16.9	17.1	17.2	17.3	17.4	17.4	17.4	17.7	17.5	17.3
177.5°	7.8	7.9	7.9	8.0	8.0	8.0	8.2	8.1	8.0	7.9	7.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.6	0.6
2.5°	7.7	7.6
5°	17.1	16.9
7.5°	30.0	29.8
10°	39.4	39.1
12.5°	53.9	53.7
15°	67.2	67.1
17.5°	74.9	74.7
20°	75.5	74.7
22.5°	81.4	80.0
25°	88.4	86.4
27.5°	105.4	103.3
30°	129.2	127.3
32.5°	162.3	161.1
35°	200.6	200.3
37.5°	248.4	249.3
40°	302.0	304.2
42.5°	371.4	375.4
45°	450.5	456.5
47.5°	544.0	552.9
50°	636.4	645.7
52.5°	725.1	730.4
55°	793.4	794.0
57.5°	839.7	838.4
60°	879.1	878.1
62.5°	917.1	919.5
65°	946.6	950.5
67.5°	969.4	970.3
70°	991.5	994.2
72.5°	1013.4	1017.0
75°	1030.5	1034.5
77.5°	1045.0	1049.1
80°	1056.8	1056.1
82.5°	1065.0	1066.6
85°	1065.6	1075.4
87.5°	1060.8	1078.3
90°	1061.4	1065.5
92.5°	1060.8	1078.3
95°	1065.6	1075.4
97.5°	1065.0	1066.6
100°	1056.8	1056.1
102.5°	1045.0	1049.1
105°	1030.5	1034.5
107.5°	1013.4	1017.0
110°	991.5	994.2



TEST NUMBER: P231968

CATALOG NUMBER: FVS4WM-4-LD4-30-1LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	969.4	970.3
115°	946.6	950.5
117.5°	917.1	919.5
120°	879.1	878.1
122.5°	839.7	838.4
125°	793.4	794.0
127.5°	725.1	730.4
130°	636.4	645.7
132.5°	544.0	552.9
135°	450.5	456.5
137.5°	371.4	375.4
140°	302.0	304.2
142.5°	248.4	249.3
145°	200.6	200.3
147.5°	162.3	161.1
150°	129.2	127.3
152.5°	105.4	103.3
155°	88.4	86.4
157.5°	81.4	80.0
160°	75.5	74.7
162.5°	74.9	74.7
165°	67.2	67.1
167.5°	53.9	53.7
170°	39.4	39.1
172.5°	30.0	29.8
175°	17.1	16.9
177.5°	7.7	7.6
180°	0.0	0.0

(END OF REPORT)