

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: P231972

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231972
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-LD4-30-1STD-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

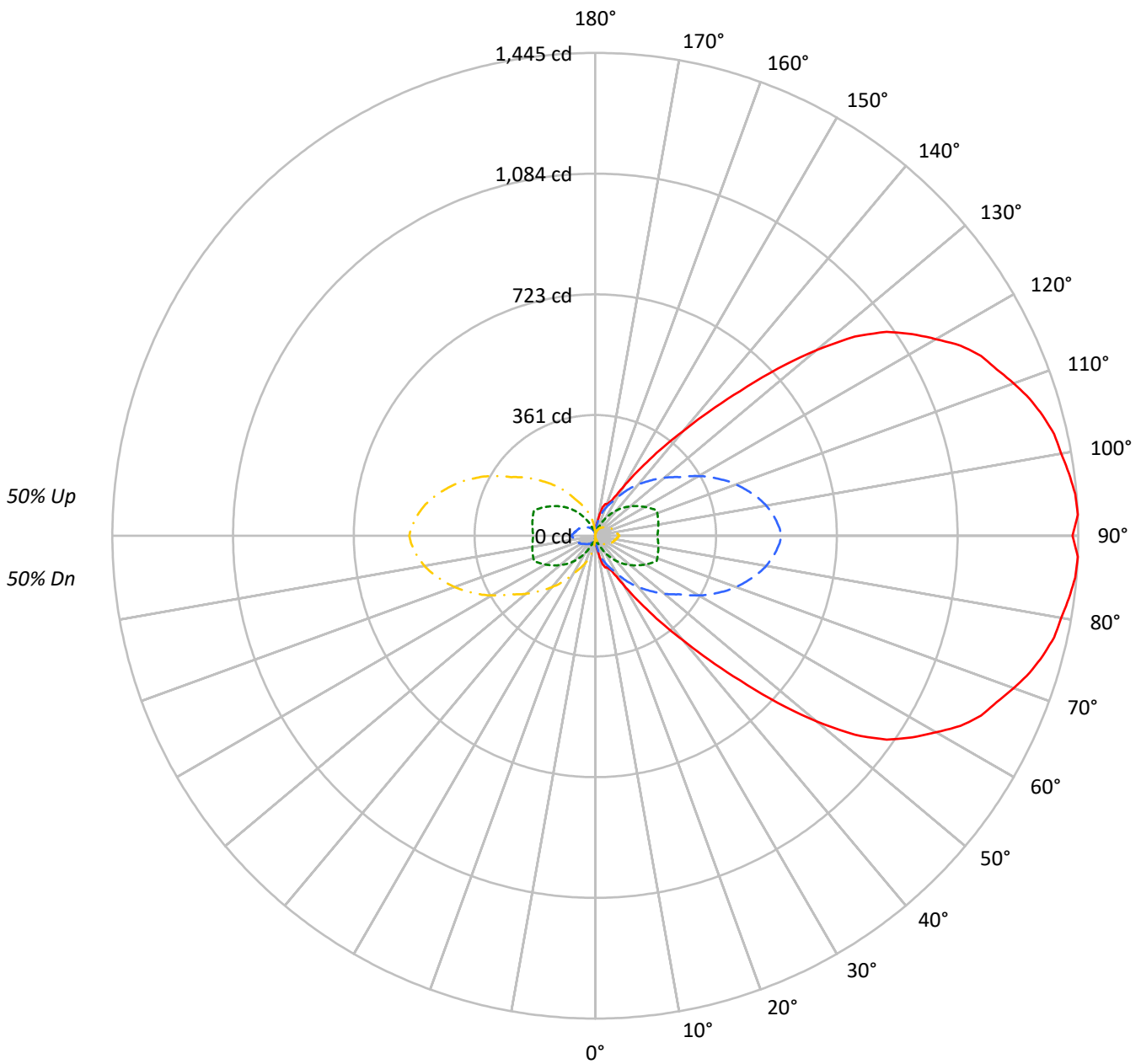
Lumens per Lamp: N/A
Luminaire Lumens: 3368.4 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 24.21 / 15.46 / 16.37
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 33.6
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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12	12	12	12
5°	301	109	0	109
10°	623	206	0	206
15°	975	308	0	308
20°	1004	415	0	415
25°	1089	637	0	637
30°	1519	991	0	991
35°	2288	1386	7	1386
40°	3359	1832	7	1832
45°	4912	2352	6	2352
50°	6824	2930	6	2930
55°	8308	3646	6	3646
60°	9167	4560	6	4560
65°	9975	5778	6	5778
70°	10571	7118	6	7118
75°	11231	8693	6	8693
80°	11805	11367	0	11367
85°	12485	16853	0	16853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	10.7	0.3
20°-30°	28.6	0.8
30°-40°	66.3	2.0
40°-50°	132.7	3.9
50°-60°	236.7	7.0
60°-70°	341.9	10.2
70°-80°	414.4	12.3
80°-90°	451.4	13.4
90°-100°	451.4	13.4
100°-110°	414.4	12.3
110°-120°	341.9	10.2
120°-130°	236.7	7.0
130°-140°	132.7	3.9
140°-150°	66.3	2.0
150°-160°	28.6	0.8
160°-170°	10.7	0.3
170°-180°	1.5	0.0
0°-30°	40.8	1.2
0°-40°	107.1	3.2
0°-60°	476.6	14.1
0°-90°	1684.2	50.0
90°-120°	1207.6	35.9
90°-150°	1643.4	48.8
90°-180°	1684.0	50.0
0°-180°	3368.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	23	7	0	7	23	3
15°	90	20	0	20	90	25
25°	116	40	0	40	116	58
35°	268	79	1	79	268	177
45°	612	119	1	119	612	487
55°	1064	154	1	154	1064	942
65°	1274	190	1	190	1274	1257
75°	1386	194	1	194	1386	1463
85°	1441	188	0	188	1441	1171
90°	1428	185	0	185	1428	787
95°	1441	188	0	188	1441	1171
105°	1386	194	1	194	1386	1463
115°	1274	190	1	190	1274	1257
125°	1064	154	1	154	1064	942
135°	612	119	1	119	612	487
145°	268	79	1	79	268	177
155°	116	40	0	40	116	58
165°	90	20	0	20	90	25
175°	23	7	0	7	23	3
180°	0	0	0	0	0	



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

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	10.2	10.3	10.5	10.6	10.7	10.9	11.0	10.7	10.7	10.7	10.6
5°	22.7	23.0	23.2	23.5	23.8	23.4	23.4	23.4	23.3	23.1	22.9
7.5°	39.9	40.2	40.5	40.8	40.4	40.2	40.0	39.7	39.3	38.8	38.3
10°	52.4	52.8	53.2	53.6	53.2	53.2	53.1	52.8	52.5	52.1	51.6
12.5°	72.0	72.3	72.5	72.0	71.6	71.1	70.4	69.6	68.7	67.6	66.4
15°	90.0	90.1	90.2	89.4	88.9	88.1	87.2	86.1	84.9	83.5	81.9
17.5°	100.1	100.4	100.7	100.3	100.1	99.7	99.2	98.4	97.5	96.4	95.1
20°	100.1	101.2	102.2	103.2	104.0	104.7	105.2	105.6	105.6	105.5	105.0
22.5°	107.2	109.0	110.9	112.0	113.1	114.0	114.6	114.8	114.7	114.3	113.4
25°	115.8	118.5	120.8	122.9	124.8	126.2	127.3	128.0	128.2	127.9	127.1
27.5°	138.5	141.4	143.2	144.8	145.8	146.4	146.6	146.2	145.4	144.2	143.1
30°	170.5	173.0	174.0	174.6	174.6	173.9	172.7	170.9	168.6	165.9	163.9
32.5°	215.9	217.5	216.7	215.5	213.3	210.2	206.3	201.8	196.6	191.9	188.1
35°	268.3	268.7	266.1	262.9	258.6	253.1	246.6	239.4	231.4	224.2	216.8
37.5°	334.0	332.7	327.3	321.2	313.4	304.1	293.6	282.1	270.1	259.9	249.3
40°	407.6	404.7	396.6	387.6	376.4	363.4	348.7	332.5	316.5	301.1	285.2
42.5°	503.0	497.6	484.9	471.0	454.2	434.8	413.3	389.9	369.0	347.9	326.0
45°	611.8	603.7	586.6	567.8	545.3	519.6	491.0	463.4	431.9	402.2	373.0
47.5°	740.8	728.9	705.4	679.8	649.9	616.1	579.0	541.1	503.8	465.1	431.4
50°	865.2	852.7	827.3	798.8	764.1	723.6	677.3	630.5	583.2	537.8	496.6
52.5°	978.7	971.6	950.2	923.8	888.4	843.4	788.3	732.6	674.0	617.7	566.7
55°	1063.9	1063.0	1049.9	1032.0	1005.5	969.8	922.0	854.1	777.0	707.7	641.1
57.5°	1123.4	1125.2	1118.1	1108.0	1092.6	1071.7	1035.6	965.6	894.1	804.1	721.5
60°	1176.6	1177.9	1171.5	1163.3	1151.8	1137.2	1102.7	1047.2	976.0	892.3	805.0
62.5°	1232.1	1228.9	1221.7	1211.3	1198.4	1183.6	1152.5	1105.9	1040.8	964.2	874.2
65°	1273.6	1268.4	1260.1	1249.4	1237.0	1224.6	1202.1	1166.4	1103.7	1023.7	932.7
67.5°	1300.2	1299.0	1293.7	1283.5	1267.9	1256.9	1245.7	1220.8	1174.2	1091.8	991.3
70°	1332.3	1328.6	1322.0	1313.6	1304.3	1289.3	1274.0	1259.3	1232.1	1162.0	1053.9
72.5°	1362.8	1358.0	1349.4	1337.6	1326.2	1313.6	1299.6	1283.9	1260.4	1201.3	1105.5
75°	1386.2	1380.8	1372.1	1359.7	1344.9	1330.9	1317.2	1303.9	1285.1	1232.5	1140.1
77.5°	1405.8	1400.3	1391.1	1374.5	1357.6	1342.1	1333.8	1322.7	1304.5	1264.7	1172.8
80°	1415.2	1416.1	1406.7	1384.9	1365.4	1355.4	1344.3	1340.0	1324.1	1294.8	1200.7
82.5°	1429.3	1427.1	1414.1	1396.6	1381.4	1369.9	1354.9	1347.6	1336.2	1305.6	1227.2
85°	1441.0	1427.8	1409.5	1406.0	1395.5	1383.4	1364.7	1350.9	1341.3	1312.6	1245.8
87.5°	1444.9	1421.4	1422.9	1411.8	1394.6	1385.4	1368.4	1354.6	1345.0	1317.6	1254.3
90°	1427.7	1422.2	1423.0	1406.6	1384.7	1383.1	1368.2	1358.1	1346.3	1318.2	1250.9
92.5°	1444.9	1421.4	1422.9	1411.8	1394.6	1385.4	1368.4	1354.6	1345.0	1317.6	1254.3
95°	1441.0	1427.8	1409.5	1406.0	1395.5	1383.4	1364.7	1350.9	1341.3	1312.6	1245.8
97.5°	1429.3	1427.1	1414.1	1396.6	1381.4	1369.9	1354.9	1347.6	1336.2	1305.6	1227.2
100°	1415.2	1416.1	1406.7	1384.9	1365.4	1355.4	1344.3	1340.0	1324.1	1294.8	1200.7
102.5°	1405.8	1400.3	1391.1	1374.5	1357.6	1342.1	1333.8	1322.7	1304.5	1264.7	1172.8
105°	1386.2	1380.8	1372.1	1359.7	1344.9	1330.9	1317.2	1303.9	1285.1	1232.5	1140.1
107.5°	1362.8	1358.0	1349.4	1337.6	1326.2	1313.6	1299.6	1283.9	1260.4	1201.3	1105.5
110°	1332.3	1328.6	1322.0	1313.6	1304.3	1289.3	1274.0	1259.3	1232.1	1162.0	1053.9



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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°	1300.2	1299.0	1293.7	1283.5	1267.9	1256.9	1245.7	1220.8	1174.2	1091.8	991.3
115°	1273.6	1268.4	1260.1	1249.4	1237.0	1224.6	1202.1	1166.4	1103.7	1023.7	932.7
117.5°	1232.1	1228.9	1221.7	1211.3	1198.4	1183.6	1152.5	1105.9	1040.8	964.2	874.2
120°	1176.6	1177.9	1171.5	1163.3	1151.8	1137.2	1102.7	1047.2	976.0	892.3	805.0
122.5°	1123.4	1125.2	1118.1	1108.0	1092.6	1071.7	1035.6	965.6	894.1	804.1	721.5
125°	1063.9	1063.0	1049.9	1032.0	1005.5	969.8	922.0	854.1	777.0	707.7	641.1
127.5°	978.7	971.6	950.2	923.8	888.4	843.4	788.3	732.6	674.0	617.7	566.7
130°	865.2	852.7	827.3	798.8	764.1	723.6	677.3	630.5	583.2	537.8	496.6
132.5°	740.8	728.9	705.4	679.8	649.9	616.1	579.0	541.1	503.8	465.1	431.4
135°	611.8	603.7	586.6	567.8	545.3	519.6	491.0	463.4	431.9	402.2	373.0
137.5°	503.0	497.6	484.9	471.0	454.2	434.8	413.3	389.9	369.0	347.9	326.0
140°	407.6	404.7	396.6	387.6	376.4	363.4	348.7	332.5	316.5	301.1	285.2
142.5°	334.0	332.7	327.3	321.2	313.4	304.1	293.6	282.1	270.1	259.9	249.3
145°	268.3	268.7	266.1	262.9	258.6	253.1	246.6	239.4	231.4	224.2	216.8
147.5°	215.9	217.5	216.7	215.5	213.3	210.2	206.3	201.8	196.6	191.9	188.1
150°	170.5	173.0	174.0	174.6	174.6	173.9	172.7	170.9	168.6	165.9	163.9
152.5°	138.5	141.4	143.2	144.8	145.8	146.4	146.6	146.2	145.4	144.2	143.1
155°	115.8	118.5	120.8	122.9	124.8	126.2	127.3	128.0	128.2	127.9	127.1
157.5°	107.2	109.0	110.9	112.0	113.1	114.0	114.6	114.8	114.7	114.3	113.4
160°	100.1	101.2	102.2	103.2	104.0	104.7	105.2	105.6	105.6	105.5	105.0
162.5°	100.1	100.4	100.7	100.3	100.1	99.7	99.2	98.4	97.5	96.4	95.1
165°	90.0	90.1	90.2	89.4	88.9	88.1	87.2	86.1	84.9	83.5	81.9
167.5°	72.0	72.3	72.5	72.0	71.6	71.1	70.4	69.6	68.7	67.6	66.4
170°	52.4	52.8	53.2	53.6	53.2	53.2	53.1	52.8	52.5	52.1	51.6
172.5°	39.9	40.2	40.5	40.8	40.4	40.2	40.0	39.7	39.3	38.8	38.3
175°	22.7	23.0	23.2	23.5	23.8	23.4	23.4	23.4	23.3	23.1	22.9
177.5°	10.2	10.3	10.5	10.6	10.7	10.9	11.0	10.7	10.7	10.7	10.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	10.6	10.5	10.4	10.3	10.2	10.0	9.9	9.7	9.5	9.3	9.0
5°	22.7	22.4	22.1	21.7	21.3	20.8	20.3	19.7	19.1	18.5	17.8
7.5°	37.6	36.9	36.1	35.2	34.3	33.3	32.2	31.0	29.8	28.8	27.8
10°	51.0	50.3	49.5	48.7	47.7	46.7	45.4	43.8	42.2	40.5	38.8
12.5°	65.0	63.6	62.0	60.4	58.8	57.5	56.1	54.6	53.0	51.4	49.6
15°	80.3	78.5	76.6	74.6	72.4	70.1	67.8	65.4	63.0	60.9	58.7
17.5°	93.7	92.0	89.8	87.4	84.9	82.3	79.6	76.8	74.0	71.1	68.1
20°	104.2	102.7	100.7	98.4	95.9	93.3	90.2	87.1	83.9	80.6	77.3
22.5°	112.4	111.5	110.2	108.5	106.3	103.4	100.1	96.6	92.9	89.2	85.6
25°	126.0	124.3	122.2	119.4	116.8	113.9	110.4	106.5	102.2	97.7	93.5
27.5°	142.0	140.2	137.8	134.8	131.3	127.1	123.0	117.9	112.7	107.0	101.7
30°	161.5	158.7	155.9	152.3	148.3	143.5	138.1	132.1	126.2	121.0	115.6
32.5°	183.9	179.4	175.5	171.4	167.0	161.8	155.8	149.4	143.1	136.5	130.5
35°	209.2	202.1	196.7	191.1	185.6	180.0	173.9	167.0	159.7	152.6	145.3
37.5°	238.3	228.9	219.9	212.1	204.7	197.7	190.9	183.9	176.3	168.2	160.3
40°	270.0	257.6	245.9	235.6	225.6	216.3	208.3	200.1	192.2	183.8	174.9
42.5°	307.1	290.5	274.5	261.4	249.2	237.2	226.0	216.9	207.6	198.8	189.5
45°	350.3	327.1	307.4	288.7	273.0	258.6	246.0	233.6	223.5	213.4	203.6
47.5°	399.4	368.7	343.2	319.0	298.9	281.0	265.8	252.2	239.3	228.2	217.3
50°	454.6	417.3	381.4	352.5	326.7	304.6	285.7	270.0	256.0	242.9	230.9
52.5°	516.0	469.7	426.0	387.8	355.8	328.9	306.4	287.8	272.8	257.8	247.7
55°	581.3	524.6	474.0	426.5	386.5	354.0	326.6	305.8	291.4	278.7	268.4
57.5°	649.6	582.3	522.2	468.5	419.8	379.5	353.2	331.6	313.0	298.6	287.4
60°	718.0	641.6	571.2	508.8	458.3	415.5	381.1	357.3	336.4	319.0	305.5
62.5°	783.9	697.2	621.8	556.2	498.2	448.9	410.6	382.2	360.1	338.7	322.8
65°	837.7	753.2	673.0	600.6	537.7	483.2	438.1	404.1	382.8	359.9	341.4
67.5°	894.7	806.1	721.3	642.6	573.0	513.0	464.3	427.6	402.9	381.2	359.3
70°	949.6	852.6	765.9	678.8	605.7	542.6	489.7	448.5	420.4	401.7	376.5
72.5°	995.2	893.2	799.2	711.9	633.3	567.2	510.9	467.5	436.2	419.8	393.6
75°	1031.1	926.4	827.7	738.0	654.4	587.6	530.9	485.8	453.9	432.9	407.1
77.5°	1053.3	949.7	849.9	760.9	677.8	608.2	550.6	504.0	470.1	446.2	420.3
80°	1078.4	972.4	875.4	782.6	697.7	624.4	566.3	519.3	484.6	459.3	433.2
82.5°	1103.4	991.7	894.4	798.5	712.3	636.2	578.4	531.9	497.6	472.2	445.5
85°	1115.6	1003.3	906.4	808.4	721.7	644.0	587.3	542.2	509.1	484.5	457.0
87.5°	1116.1	1010.8	915.0	815.3	728.4	649.7	594.3	551.1	520.0	496.7	468.1
90°	1106.2	1003.7	909.8	811.2	726.0	649.3	596.9	557.0	528.8	506.9	476.4
92.5°	1116.1	1010.8	915.0	815.3	728.4	649.7	594.3	551.1	520.0	496.7	468.1
95°	1115.6	1003.3	906.4	808.4	721.7	644.0	587.3	542.2	509.1	484.5	457.0
97.5°	1103.4	991.7	894.4	798.5	712.3	636.2	578.4	531.9	497.6	472.2	445.5
100°	1078.4	972.4	875.4	782.6	697.7	624.4	566.3	519.3	484.6	459.3	433.2
102.5°	1053.3	949.7	849.9	760.9	677.8	608.2	550.6	504.0	470.1	446.2	420.3
105°	1031.1	926.4	827.7	738.0	654.4	587.6	530.9	485.8	453.9	432.9	407.1
107.5°	995.2	893.2	799.2	711.9	633.3	567.2	510.9	467.5	436.2	419.8	393.6
110°	949.6	852.6	765.9	678.8	605.7	542.6	489.7	448.5	420.4	401.7	376.5



TEST NUMBER: P231972

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-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°	894.7	806.1	721.3	642.6	573.0	513.0	464.3	427.6	402.9	381.2	359.3
115°	837.7	753.2	673.0	600.6	537.7	483.2	438.1	404.1	382.8	359.9	341.4
117.5°	783.9	697.2	621.8	556.2	498.2	448.9	410.6	382.2	360.1	338.7	322.8
120°	718.0	641.6	571.2	508.8	458.3	415.5	381.1	357.3	336.4	319.0	305.5
122.5°	649.6	582.3	522.2	468.5	419.8	379.5	353.2	331.6	313.0	298.6	287.4
125°	581.3	524.6	474.0	426.5	386.5	354.0	326.6	305.8	291.4	278.7	268.4
127.5°	516.0	469.7	426.0	387.8	355.8	328.9	306.4	287.8	272.8	257.8	247.7
130°	454.6	417.3	381.4	352.5	326.7	304.6	285.7	270.0	256.0	242.9	230.9
132.5°	399.4	368.7	343.2	319.0	298.9	281.0	265.8	252.2	239.3	228.2	217.3
135°	350.3	327.1	307.4	288.7	273.0	258.6	246.0	233.6	223.5	213.4	203.6
137.5°	307.1	290.5	274.5	261.4	249.2	237.2	226.0	216.9	207.6	198.8	189.5
140°	270.0	257.6	245.9	235.6	225.6	216.3	208.3	200.1	192.2	183.8	174.9
142.5°	238.3	228.9	219.9	212.1	204.7	197.7	190.9	183.9	176.3	168.2	160.3
145°	209.2	202.1	196.7	191.1	185.6	180.0	173.9	167.0	159.7	152.6	145.3
147.5°	183.9	179.4	175.5	171.4	167.0	161.8	155.8	149.4	143.1	136.5	130.5
150°	161.5	158.7	155.9	152.3	148.3	143.5	138.1	132.1	126.2	121.0	115.6
152.5°	142.0	140.2	137.8	134.8	131.3	127.1	123.0	117.9	112.7	107.0	101.7
155°	126.0	124.3	122.2	119.4	116.8	113.9	110.4	106.5	102.2	97.7	93.5
157.5°	112.4	111.5	110.2	108.5	106.3	103.4	100.1	96.6	92.9	89.2	85.6
160°	104.2	102.7	100.7	98.4	95.9	93.3	90.2	87.1	83.9	80.6	77.3
162.5°	93.7	92.0	89.8	87.4	84.9	82.3	79.6	76.8	74.0	71.1	68.1
165°	80.3	78.5	76.6	74.6	72.4	70.1	67.8	65.4	63.0	60.9	58.7
167.5°	65.0	63.6	62.0	60.4	58.8	57.5	56.1	54.6	53.0	51.4	49.6
170°	51.0	50.3	49.5	48.7	47.7	46.7	45.4	43.8	42.2	40.5	38.8
172.5°	37.6	36.9	36.1	35.2	34.3	33.3	32.2	31.0	29.8	28.8	27.8
175°	22.7	22.4	22.1	21.7	21.3	20.8	20.3	19.7	19.1	18.5	17.8
177.5°	10.6	10.5	10.4	10.3	10.2	10.0	9.9	9.7	9.5	9.3	9.0
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: P231972

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	8.8	8.5	8.2	8.0	7.6	7.3	7.0	6.7	6.3	6.0	5.6
5°	17.1	16.4	15.6	15.0	14.4	13.8	13.1	12.5	11.8	11.1	10.3
7.5°	26.7	25.6	24.4	23.2	22.0	20.6	19.3	18.2	17.2	16.1	15.0
10°	37.0	35.1	33.3	31.6	29.9	28.2	26.4	24.5	22.6	21.1	19.7
12.5°	47.4	45.2	42.8	40.4	37.9	35.6	33.4	31.1	28.7	26.3	24.3
15°	56.5	54.2	52.2	49.0	46.2	43.3	40.3	37.6	34.8	31.9	29.0
17.5°	65.5	62.5	59.7	56.9	53.8	50.6	47.3	44.0	40.8	37.5	34.1
20°	74.1	70.8	67.5	64.3	60.9	57.4	53.9	50.3	46.7	42.9	39.1
22.5°	82.0	78.4	74.9	71.5	67.8	63.9	59.9	56.1	52.3	48.3	44.1
25°	89.2	85.2	81.4	77.8	75.3	72.3	68.9	65.4	62.0	58.4	54.4
27.5°	97.7	94.6	92.0	89.3	86.8	84.1	80.7	77.1	73.4	69.5	65.4
30°	111.2	107.0	103.4	100.6	97.8	95.1	92.1	88.4	84.8	80.5	76.3
32.5°	124.6	119.5	115.1	111.5	108.6	105.7	102.8	99.4	95.5	91.3	86.9
35°	138.6	132.1	126.8	122.2	118.9	116.0	113.1	110.3	106.2	102.0	97.4
37.5°	152.4	145.2	138.3	133.3	129.0	125.9	123.1	120.1	116.6	112.6	107.8
40°	166.4	157.9	150.5	143.7	139.0	135.4	132.7	129.8	126.6	122.8	118.1
42.5°	179.9	170.9	162.3	154.8	148.9	144.5	142.0	139.3	136.4	132.8	128.4
45°	193.5	183.4	174.2	165.8	158.3	153.9	150.8	148.5	145.8	142.5	138.5
47.5°	206.6	195.9	185.8	176.9	168.5	164.4	163.4	163.6	163.5	162.2	158.7
50°	219.5	208.8	201.7	196.3	191.7	188.1	186.3	185.9	186.3	186.1	181.5
52.5°	239.3	232.2	225.9	220.6	216.1	212.2	209.8	208.3	208.4	210.4	204.4
55°	260.2	254.1	248.7	243.8	239.9	236.4	233.3	230.9	230.0	233.9	227.5
57.5°	279.3	274.1	270.3	266.1	263.1	260.2	257.0	253.6	251.5	256.5	250.9
60°	296.4	292.6	290.0	287.5	285.4	283.4	280.7	276.5	273.8	278.8	274.5
62.5°	313.3	309.5	308.4	307.8	306.9	306.2	304.3	299.8	296.2	300.7	298.3
65°	329.5	324.9	325.7	327.1	327.7	328.4	327.4	323.1	318.7	322.3	322.3
67.5°	344.5	338.9	341.8	345.3	347.8	349.8	350.1	346.4	341.1	343.7	346.4
70°	359.0	353.1	356.8	361.7	364.0	365.2	364.6	360.7	355.2	354.4	352.8
72.5°	372.6	362.7	362.8	366.5	369.5	371.1	371.2	369.1	365.6	363.6	357.3
75°	382.7	370.0	368.0	371.4	374.9	377.0	377.6	376.9	375.7	373.8	362.1
77.5°	392.2	377.1	373.5	376.3	380.2	382.9	383.8	384.2	385.5	384.7	367.2
80°	401.1	384.1	379.1	381.3	385.5	388.7	389.9	391.2	395.1	396.2	372.5
82.5°	409.3	390.8	384.9	386.4	390.8	394.6	395.9	397.9	404.5	408.1	379.5
85°	416.9	397.4	390.9	391.5	396.0	400.4	401.8	404.2	413.7	420.8	383.6
87.5°	424.3	403.8	396.9	396.7	401.3	406.4	407.8	411.0	423.2	432.2	387.8
90°	430.3	409.9	402.9	402.1	406.8	412.3	413.8	417.7	432.6	443.6	391.9
92.5°	424.3	403.8	396.9	396.7	401.3	406.4	407.8	411.0	423.2	432.2	387.8
95°	416.9	397.4	390.9	391.5	396.0	400.4	401.8	404.2	413.7	420.8	383.6
97.5°	409.3	390.8	384.9	386.4	390.8	394.6	395.9	397.9	404.5	408.1	379.5
100°	401.1	384.1	379.1	381.3	385.5	388.7	389.9	391.2	395.1	396.2	372.5
102.5°	392.2	377.1	373.5	376.3	380.2	382.9	383.8	384.2	385.5	384.7	367.2
105°	382.7	370.0	368.0	371.4	374.9	377.0	377.6	376.9	375.7	373.8	362.1
107.5°	372.6	362.7	362.8	366.5	369.5	371.1	371.2	369.1	365.6	363.6	357.3
110°	359.0	353.1	356.8	361.7	364.0	365.2	364.6	360.7	355.2	354.4	352.8



TEST NUMBER: P231972

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	344.5	338.9	341.8	345.3	347.8	349.8	350.1	346.4	341.1	343.7	346.4
115°	329.5	324.9	325.7	327.1	327.7	328.4	327.4	323.1	318.7	322.3	322.3
117.5°	313.3	309.5	308.4	307.8	306.9	306.2	304.3	299.8	296.2	300.7	298.3
120°	296.4	292.6	290.0	287.5	285.4	283.4	280.7	276.5	273.8	278.8	274.5
122.5°	279.3	274.1	270.3	266.1	263.1	260.2	257.0	253.6	251.5	256.5	250.9
125°	260.2	254.1	248.7	243.8	239.9	236.4	233.3	230.9	230.0	233.9	227.5
127.5°	239.3	232.2	225.9	220.6	216.1	212.2	209.8	208.3	208.4	210.4	204.4
130°	219.5	208.8	201.7	196.3	191.7	188.1	186.3	185.9	186.3	186.1	181.5
132.5°	206.6	195.9	185.8	176.9	168.5	164.4	163.4	163.6	163.5	162.2	158.7
135°	193.5	183.4	174.2	165.8	158.3	153.9	150.8	148.5	145.8	142.5	138.5
137.5°	179.9	170.9	162.3	154.8	148.9	144.5	142.0	139.3	136.4	132.8	128.4
140°	166.4	157.9	150.5	143.7	139.0	135.4	132.7	129.8	126.6	122.8	118.1
142.5°	152.4	145.2	138.3	133.3	129.0	125.9	123.1	120.1	116.6	112.6	107.8
145°	138.6	132.1	126.8	122.2	118.9	116.0	113.1	110.3	106.2	102.0	97.4
147.5°	124.6	119.5	115.1	111.5	108.6	105.7	102.8	99.4	95.5	91.3	86.9
150°	111.2	107.0	103.4	100.6	97.8	95.1	92.1	88.4	84.8	80.5	76.3
152.5°	97.7	94.6	92.0	89.3	86.8	84.1	80.7	77.1	73.4	69.5	65.4
155°	89.2	85.2	81.4	77.8	75.3	72.3	68.9	65.4	62.0	58.4	54.4
157.5°	82.0	78.4	74.9	71.5	67.8	63.9	59.9	56.1	52.3	48.3	44.1
160°	74.1	70.8	67.5	64.3	60.9	57.4	53.9	50.3	46.7	42.9	39.1
162.5°	65.5	62.5	59.7	56.9	53.8	50.6	47.3	44.0	40.8	37.5	34.1
165°	56.5	54.2	52.2	49.0	46.2	43.3	40.3	37.6	34.8	31.9	29.0
167.5°	47.4	45.2	42.8	40.4	37.9	35.6	33.4	31.1	28.7	26.3	24.3
170°	37.0	35.1	33.3	31.6	29.9	28.2	26.4	24.5	22.6	21.1	19.7
172.5°	26.7	25.6	24.4	23.2	22.0	20.6	19.3	18.2	17.2	16.1	15.0
175°	17.1	16.4	15.6	15.0	14.4	13.8	13.1	12.5	11.8	11.1	10.3
177.5°	8.8	8.5	8.2	8.0	7.6	7.3	7.0	6.7	6.3	6.0	5.6
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: P231972

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.2	4.8	4.4	4.0	4.0	3.9	3.9	3.8	3.7	3.7	3.6
5°	9.6	8.8	8.0	7.2	7.1	7.0	6.9	6.8	6.7	6.5	6.4
7.5°	13.9	12.8	11.6	10.4	10.3	10.1	9.9	9.8	9.5	9.3	9.1
10°	18.2	16.7	15.2	13.6	13.4	13.2	13.0	12.7	12.4	12.1	12.0
12.5°	22.5	20.7	18.8	16.9	16.6	16.3	16.0	15.6	15.3	15.3	15.1
15°	26.8	24.6	22.3	20.1	19.7	19.3	18.9	18.5	18.5	18.4	18.3
17.5°	31.0	28.5	25.9	23.3	22.9	22.4	21.9	21.7	21.7	21.6	21.5
20°	35.3	32.3	29.4	26.5	26.0	25.4	24.9	24.9	24.9	24.9	24.6
22.5°	39.8	36.2	33.0	29.7	29.1	28.5	28.1	28.2	28.2	28.0	27.7
25°	50.1	46.2	43.0	39.6	39.2	38.6	38.3	38.1	37.6	36.4	35.0
27.5°	60.8	56.3	53.0	49.5	49.4	49.0	49.1	49.2	48.2	46.6	44.6
30°	71.4	66.4	63.0	59.4	59.6	59.6	60.1	60.3	58.5	56.5	53.4
32.5°	81.9	76.6	72.9	69.3	69.9	70.4	71.1	70.9	68.6	65.5	61.5
35°	92.3	86.8	82.8	79.3	80.3	81.2	82.3	81.3	78.5	73.9	68.9
37.5°	102.7	97.0	92.7	89.2	90.7	92.1	93.5	91.6	88.2	81.8	75.3
40°	112.9	107.1	102.6	99.1	101.1	103.0	104.9	101.6	96.5	89.2	81.0
42.5°	123.1	117.1	112.4	109.0	111.6	114.0	116.2	111.5	104.7	96.3	86.1
45°	133.1	127.1	122.1	118.9	122.1	125.1	126.5	121.3	112.4	101.9	90.5
47.5°	151.3	142.4	134.0	127.8	128.2	129.2	128.7	123.3	113.9	103.4	92.4
50°	171.0	158.4	146.1	136.6	133.9	132.7	129.8	123.2	113.2	102.3	92.0
52.5°	191.3	174.9	158.4	145.5	139.4	135.8	130.8	122.8	112.6	101.7	92.1
55°	212.3	191.8	170.9	154.4	144.8	138.7	131.7	122.6	112.2	101.4	92.7
57.5°	233.7	209.1	183.6	163.2	149.9	141.4	132.5	122.5	112.0	101.6	93.8
60°	255.7	226.8	196.4	172.1	154.9	143.8	133.2	122.5	112.0	102.5	95.6
62.5°	278.0	244.7	209.3	181.0	159.7	146.0	133.8	122.6	112.3	103.7	98.5
65°	300.7	262.9	222.3	189.8	164.4	148.1	134.4	122.8	112.8	105.3	101.8
67.5°	323.6	281.2	235.5	198.7	169.0	150.0	134.9	123.1	113.6	107.1	105.6
70°	325.7	281.2	234.8	197.2	167.8	148.8	133.6	122.0	112.9	107.1	106.9
72.5°	326.1	280.5	234.0	195.7	166.6	147.5	132.2	120.8	111.9	106.4	106.4
75°	326.3	279.5	234.4	194.3	165.6	146.3	131.0	119.7	111.1	105.7	105.7
77.5°	326.2	278.2	233.1	192.8	164.5	145.2	129.8	118.7	110.3	105.0	105.0
80°	326.0	278.2	231.7	191.3	163.6	144.2	128.7	117.8	109.7	104.4	104.1
82.5°	326.8	275.9	230.3	189.8	162.7	143.2	127.7	117.0	109.1	103.8	103.1
85°	325.3	273.7	228.9	188.4	161.9	142.4	126.8	116.2	108.7	103.3	102.1
87.5°	323.8	271.4	227.5	186.9	161.1	141.5	125.9	115.6	108.3	102.9	101.1
90°	322.3	269.1	226.1	185.4	160.4	140.8	125.2	115.0	108.0	102.5	100.1
92.5°	323.8	271.4	227.5	186.9	161.1	141.5	125.9	115.6	108.3	102.9	101.1
95°	325.3	273.7	228.9	188.4	161.9	142.4	126.8	116.2	108.7	103.3	102.1
97.5°	326.8	275.9	230.3	189.8	162.7	143.2	127.7	117.0	109.1	103.8	103.1
100°	326.0	278.2	231.7	191.3	163.6	144.2	128.7	117.8	109.7	104.4	104.1
102.5°	326.2	278.2	233.1	192.8	164.5	145.2	129.8	118.7	110.3	105.0	105.0
105°	326.3	279.5	234.4	194.3	165.6	146.3	131.0	119.7	111.1	105.7	105.7
107.5°	326.1	280.5	234.0	195.7	166.6	147.5	132.2	120.8	111.9	106.4	106.4
110°	325.7	281.2	234.8	197.2	167.8	148.8	133.6	122.0	112.9	107.1	106.9



TEST NUMBER: P231972

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-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°	323.6	281.2	235.5	198.7	169.0	150.0	134.9	123.1	113.6	107.1	105.6
115°	300.7	262.9	222.3	189.8	164.4	148.1	134.4	122.8	112.8	105.3	101.8
117.5°	278.0	244.7	209.3	181.0	159.7	146.0	133.8	122.6	112.3	103.7	98.5
120°	255.7	226.8	196.4	172.1	154.9	143.8	133.2	122.5	112.0	102.5	95.6
122.5°	233.7	209.1	183.6	163.2	149.9	141.4	132.5	122.5	112.0	101.6	93.8
125°	212.3	191.8	170.9	154.4	144.8	138.7	131.7	122.6	112.2	101.4	92.7
127.5°	191.3	174.9	158.4	145.5	139.4	135.8	130.8	122.8	112.6	101.7	92.1
130°	171.0	158.4	146.1	136.6	133.9	132.7	129.8	123.2	113.2	102.3	92.0
132.5°	151.3	142.4	134.0	127.8	128.2	129.2	128.7	123.3	113.9	103.4	92.4
135°	133.1	127.1	122.1	118.9	122.1	125.1	126.5	121.3	112.4	101.9	90.5
137.5°	123.1	117.1	112.4	109.0	111.6	114.0	116.2	111.5	104.7	96.3	86.1
140°	112.9	107.1	102.6	99.1	101.1	103.0	104.9	101.6	96.5	89.2	81.0
142.5°	102.7	97.0	92.7	89.2	90.7	92.1	93.5	91.6	88.2	81.8	75.3
145°	92.3	86.8	82.8	79.3	80.3	81.2	82.3	81.3	78.5	73.9	68.9
147.5°	81.9	76.6	72.9	69.3	69.9	70.4	71.1	70.9	68.6	65.5	61.5
150°	71.4	66.4	63.0	59.4	59.6	59.6	60.1	60.3	58.5	56.5	53.4
152.5°	60.8	56.3	53.0	49.5	49.4	49.0	49.1	49.2	48.2	46.6	44.6
155°	50.1	46.2	43.0	39.6	39.2	38.6	38.3	38.1	37.6	36.4	35.0
157.5°	39.8	36.2	33.0	29.7	29.1	28.5	28.1	28.2	28.2	28.0	27.7
160°	35.3	32.3	29.4	26.5	26.0	25.4	24.9	24.9	24.9	24.9	24.6
162.5°	31.0	28.5	25.9	23.3	22.9	22.4	21.9	21.7	21.7	21.6	21.5
165°	26.8	24.6	22.3	20.1	19.7	19.3	18.9	18.5	18.5	18.4	18.3
167.5°	22.5	20.7	18.8	16.9	16.6	16.3	16.0	15.6	15.3	15.3	15.1
170°	18.2	16.7	15.2	13.6	13.4	13.2	13.0	12.7	12.4	12.1	12.0
172.5°	13.9	12.8	11.6	10.4	10.3	10.1	9.9	9.8	9.5	9.3	9.1
175°	9.6	8.8	8.0	7.2	7.1	7.0	6.9	6.8	6.7	6.5	6.4
177.5°	5.2	4.8	4.4	4.0	4.0	3.9	3.9	3.8	3.7	3.7	3.6
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: P231972

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
5°	6.2	6.0	5.8	5.6	5.4	5.3	5.2	5.0	4.8	4.7	4.5
7.5°	8.8	8.7	8.6	8.4	8.3	8.1	7.9	7.6	7.4	7.1	6.8
10°	11.9	11.7	11.6	11.4	11.1	10.9	10.6	10.2	9.9	9.5	9.1
12.5°	15.0	14.8	14.6	14.3	14.0	13.6	13.2	12.8	12.4	11.9	11.4
15°	18.2	17.9	17.5	17.2	16.8	16.4	15.9	15.4	14.9	14.4	13.7
17.5°	21.2	20.9	20.5	20.1	19.6	19.1	18.6	17.9	17.2	16.5	15.8
20°	24.3	23.9	23.4	23.0	22.5	21.8	21.1	20.3	19.5	18.6	17.8
22.5°	27.3	26.9	26.4	25.9	25.1	24.3	23.4	22.5	21.6	20.7	19.9
25°	33.5	31.9	30.2	28.5	27.6	26.7	25.7	24.7	23.9	23.1	22.2
27.5°	42.3	40.0	37.4	35.0	32.7	30.6	28.7	27.3	26.5	25.4	24.2
30°	50.3	46.9	43.5	40.4	37.5	35.1	33.1	31.2	29.3	27.6	26.0
32.5°	57.2	52.7	48.6	44.8	41.6	38.9	36.4	34.0	31.8	30.0	28.2
35°	63.2	57.7	52.9	48.6	45.1	41.9	38.9	36.2	34.0	31.9	29.7
37.5°	68.4	62.1	56.4	51.9	47.8	44.1	40.9	38.2	35.7	33.3	31.1
40°	72.9	65.8	59.7	54.6	50.0	45.9	42.8	39.9	37.1	34.7	32.6
42.5°	77.0	68.8	62.5	56.8	51.6	47.8	44.4	41.2	38.5	36.2	34.1
45°	80.6	72.0	64.7	58.6	53.4	49.4	45.8	42.6	40.0	37.7	35.6
47.5°	82.7	74.5	66.8	59.9	55.2	50.9	47.0	44.2	41.6	39.3	37.1
50°	82.9	75.9	69.5	63.5	58.1	52.6	48.7	45.7	43.2	40.9	38.6
52.5°	84.4	78.4	73.4	68.9	64.1	58.8	53.7	49.0	44.9	42.7	40.0
55°	86.6	82.3	78.6	75.2	70.7	65.3	59.9	54.7	50.2	45.8	41.7
57.5°	89.6	87.0	84.7	81.9	77.7	71.7	65.7	60.0	54.8	49.6	45.4
60°	93.2	92.5	91.5	89.0	84.4	77.8	71.1	64.8	58.6	53.0	48.3
62.5°	97.6	98.9	98.9	96.5	90.9	83.7	76.2	69.0	62.0	56.1	50.6
65°	102.9	105.7	106.8	104.4	97.4	89.3	81.0	72.8	65.2	58.7	52.4
67.5°	108.7	112.9	114.5	111.9	103.9	94.7	85.3	76.2	68.2	60.9	54.0
70°	111.5	117.2	120.3	118.3	109.9	99.8	89.5	79.4	70.9	62.8	55.4
72.5°	110.8	116.2	119.4	117.4	110.7	102.0	92.1	82.2	73.4	64.5	56.6
75°	109.8	115.3	118.8	117.2	111.6	103.4	93.7	84.2	75.2	66.3	58.2
77.5°	108.5	114.4	118.4	117.5	113.1	105.1	95.7	86.5	77.3	68.2	60.1
80°	107.1	113.4	118.2	118.3	115.1	107.3	98.1	89.1	79.7	70.4	62.0
82.5°	105.5	112.4	118.0	119.4	117.5	109.8	100.9	92.0	82.3	72.8	64.1
85°	103.8	111.3	117.8	120.7	120.1	112.5	104.0	95.2	85.3	75.6	66.4
87.5°	101.9	110.0	117.6	122.2	123.0	115.6	107.4	98.7	88.6	78.7	69.0
90°	100.1	108.7	117.3	123.6	125.9	118.9	111.1	102.5	92.3	82.1	72.0
92.5°	101.9	110.0	117.6	122.2	123.0	115.6	107.4	98.7	88.6	78.7	69.0
95°	103.8	111.3	117.8	120.7	120.1	112.5	104.0	95.2	85.3	75.6	66.4
97.5°	105.5	112.4	118.0	119.4	117.5	109.8	100.9	92.0	82.3	72.8	64.1
100°	107.1	113.4	118.2	118.3	115.1	107.3	98.1	89.1	79.7	70.4	62.0
102.5°	108.5	114.4	118.4	117.5	113.1	105.1	95.7	86.5	77.3	68.2	60.1
105°	109.8	115.3	118.8	117.2	111.6	103.4	93.7	84.2	75.2	66.3	58.2
107.5°	110.8	116.2	119.4	117.4	110.7	102.0	92.1	82.2	73.4	64.5	56.6
110°	111.5	117.2	120.3	118.3	109.9	99.8	89.5	79.4	70.9	62.8	55.4



TEST NUMBER: P231972

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	108.7	112.9	114.5	111.9	103.9	94.7	85.3	76.2	68.2	60.9	54.0
115°	102.9	105.7	106.8	104.4	97.4	89.3	81.0	72.8	65.2	58.7	52.4
117.5°	97.6	98.9	98.9	96.5	90.9	83.7	76.2	69.0	62.0	56.1	50.6
120°	93.2	92.5	91.5	89.0	84.4	77.8	71.1	64.8	58.6	53.0	48.3
122.5°	89.6	87.0	84.7	81.9	77.7	71.7	65.7	60.0	54.8	49.6	45.4
125°	86.6	82.3	78.6	75.2	70.7	65.3	59.9	54.7	50.2	45.8	41.7
127.5°	84.4	78.4	73.4	68.9	64.1	58.8	53.7	49.0	44.9	42.7	40.0
130°	82.9	75.9	69.5	63.5	58.1	52.6	48.7	45.7	43.2	40.9	38.6
132.5°	82.7	74.5	66.8	59.9	55.2	50.9	47.0	44.2	41.6	39.3	37.1
135°	80.6	72.0	64.7	58.6	53.4	49.4	45.8	42.6	40.0	37.7	35.6
137.5°	77.0	68.8	62.5	56.8	51.6	47.8	44.4	41.2	38.5	36.2	34.1
140°	72.9	65.8	59.7	54.6	50.0	45.9	42.8	39.9	37.1	34.7	32.6
142.5°	68.4	62.1	56.4	51.9	47.8	44.1	40.9	38.2	35.7	33.3	31.1
145°	63.2	57.7	52.9	48.6	45.1	41.9	38.9	36.2	34.0	31.9	29.7
147.5°	57.2	52.7	48.6	44.8	41.6	38.9	36.4	34.0	31.8	30.0	28.2
150°	50.3	46.9	43.5	40.4	37.5	35.1	33.1	31.2	29.3	27.6	26.0
152.5°	42.3	40.0	37.4	35.0	32.7	30.6	28.7	27.3	26.5	25.4	24.2
155°	33.5	31.9	30.2	28.5	27.6	26.7	25.7	24.7	23.9	23.1	22.2
157.5°	27.3	26.9	26.4	25.9	25.1	24.3	23.4	22.5	21.6	20.7	19.9
160°	24.3	23.9	23.4	23.0	22.5	21.8	21.1	20.3	19.5	18.6	17.8
162.5°	21.2	20.9	20.5	20.1	19.6	19.1	18.6	17.9	17.2	16.5	15.8
165°	18.2	17.9	17.5	17.2	16.8	16.4	15.9	15.4	14.9	14.4	13.7
167.5°	15.0	14.8	14.6	14.3	14.0	13.6	13.2	12.8	12.4	11.9	11.4
170°	11.9	11.7	11.6	11.4	11.1	10.9	10.6	10.2	9.9	9.5	9.1
172.5°	8.8	8.7	8.6	8.4	8.3	8.1	7.9	7.6	7.4	7.1	6.8
175°	6.2	6.0	5.8	5.6	5.4	5.3	5.2	5.0	4.8	4.7	4.5
177.5°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	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: P231972

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.3	2.2	2.1	2.0	1.8	1.7	1.5	1.4	1.3	1.1	1.0
5°	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.5	2.2	1.9
7.5°	6.5	6.2	5.9	5.5	5.2	4.8	4.5	4.1	3.7	3.3	2.9
10°	8.7	8.3	7.9	7.4	7.0	6.5	6.0	5.5	5.0	4.4	3.9
12.5°	10.9	10.4	9.9	9.3	8.7	8.1	7.4	6.8	6.1	5.5	4.8
15°	13.1	12.4	11.7	11.0	10.3	9.5	8.8	8.0	7.2	6.4	5.7
17.5°	15.0	14.2	13.4	12.6	11.8	10.9	10.1	9.2	8.4	7.5	6.6
20°	16.9	16.0	15.2	14.4	13.5	12.6	11.6	10.6	9.6	8.5	7.5
22.5°	19.0	18.2	17.2	16.1	15.0	13.9	12.8	11.7	10.6	9.4	8.3
25°	21.1	20.0	18.8	17.6	16.5	15.2	14.0	12.8	11.5	10.2	8.9
27.5°	22.9	21.7	20.4	19.1	17.7	16.3	14.9	13.5	12.1	10.8	9.5
30°	24.7	23.3	21.8	20.2	18.6	17.2	15.8	14.4	13.0	11.6	10.1
32.5°	26.3	24.5	22.8	21.4	19.9	18.4	16.9	15.4	13.9	12.3	10.8
35°	27.6	25.9	24.3	22.7	21.1	19.5	17.8	16.1	14.5	12.9	11.4
37.5°	29.2	27.4	25.7	24.0	22.0	20.1	18.4	16.8	15.2	13.6	11.9
40°	30.7	28.8	26.9	24.8	22.8	20.9	19.2	17.4	15.5	13.8	12.1
42.5°	32.1	30.0	27.9	25.9	23.9	21.8	19.6	17.7	16.0	14.2	12.6
45°	33.4	31.2	29.1	27.0	24.7	22.5	20.4	18.4	16.6	14.8	13.0
47.5°	34.8	32.5	30.3	28.0	25.7	23.5	21.3	19.2	17.1	14.9	12.9
50°	36.2	33.8	31.5	29.0	26.7	24.4	22.0	19.6	17.2	15.1	13.3
52.5°	37.6	35.2	32.6	30.1	27.5	25.0	22.4	20.0	17.8	15.7	13.7
55°	39.2	36.4	33.7	30.9	28.2	25.5	23.0	20.6	18.4	16.2	14.1
57.5°	41.4	37.7	34.6	31.7	28.9	26.2	23.6	21.1	18.6	16.3	14.0
60°	43.7	39.5	35.8	32.6	29.6	26.8	24.0	21.1	18.5	16.1	13.8
62.5°	45.4	40.8	37.0	33.4	30.2	27.2	23.9	21.1	18.5	15.9	13.7
65°	46.8	42.0	37.8	34.1	30.6	27.0	23.9	21.1	18.1	15.5	13.1
67.5°	48.0	43.0	38.6	34.5	30.5	26.9	23.9	20.6	17.7	15.0	12.3
70°	49.2	43.9	39.1	34.7	30.4	26.8	23.0	19.8	17.2	14.2	11.6
72.5°	50.3	44.8	39.6	34.8	30.5	26.4	22.2	19.2	16.0	13.3	11.0
75°	51.5	45.6	40.0	35.1	30.5	25.7	21.7	18.3	15.0	12.2	10.0
77.5°	53.0	46.5	40.4	35.3	30.4	25.1	21.2	17.5	14.1	11.3	8.8
80°	54.5	47.3	40.8	35.1	29.5	24.5	20.6	16.9	13.3	10.4	7.6
82.5°	56.1	48.2	41.2	35.0	28.9	23.7	19.5	15.8	12.6	9.6	6.5
85°	58.0	49.3	41.8	35.0	28.5	23.1	18.7	15.1	12.2	9.3	6.4
87.5°	60.1	50.6	42.6	35.3	28.5	22.7	18.2	14.8	12.2	9.6	6.8
90°	62.6	52.4	43.8	36.0	28.9	22.7	18.0	14.9	12.5	10.2	7.8
92.5°	60.1	50.6	42.6	35.3	28.5	22.7	18.2	14.8	12.2	9.6	6.8
95°	58.0	49.3	41.8	35.0	28.5	23.1	18.7	15.1	12.2	9.3	6.4
97.5°	56.1	48.2	41.2	35.0	28.9	23.7	19.5	15.8	12.6	9.6	6.5
100°	54.5	47.3	40.8	35.1	29.5	24.5	20.6	16.9	13.3	10.4	7.6
102.5°	53.0	46.5	40.4	35.3	30.4	25.1	21.2	17.5	14.1	11.3	8.8
105°	51.5	45.6	40.0	35.1	30.5	25.7	21.7	18.3	15.0	12.2	10.0
107.5°	50.3	44.8	39.6	34.8	30.5	26.4	22.2	19.2	16.0	13.3	11.0
110°	49.2	43.9	39.1	34.7	30.4	26.8	23.0	19.8	17.2	14.2	11.6



TEST NUMBER: P231972

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-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°	48.0	43.0	38.6	34.5	30.5	26.9	23.9	20.6	17.7	15.0	12.3
115°	46.8	42.0	37.8	34.1	30.6	27.0	23.9	21.1	18.1	15.5	13.1
117.5°	45.4	40.8	37.0	33.4	30.2	27.2	23.9	21.1	18.5	15.9	13.7
120°	43.7	39.5	35.8	32.6	29.6	26.8	24.0	21.1	18.5	16.1	13.8
122.5°	41.4	37.7	34.6	31.7	28.9	26.2	23.6	21.1	18.6	16.3	14.0
125°	39.2	36.4	33.7	30.9	28.2	25.5	23.0	20.6	18.4	16.2	14.1
127.5°	37.6	35.2	32.6	30.1	27.5	25.0	22.4	20.0	17.8	15.7	13.7
130°	36.2	33.8	31.5	29.0	26.7	24.4	22.0	19.6	17.2	15.1	13.3
132.5°	34.8	32.5	30.3	28.0	25.7	23.5	21.3	19.2	17.1	14.9	12.9
135°	33.4	31.2	29.1	27.0	24.7	22.5	20.4	18.4	16.6	14.8	13.0
137.5°	32.1	30.0	27.9	25.9	23.9	21.8	19.6	17.7	16.0	14.2	12.6
140°	30.7	28.8	26.9	24.8	22.8	20.9	19.2	17.4	15.5	13.8	12.1
142.5°	29.2	27.4	25.7	24.0	22.0	20.1	18.4	16.8	15.2	13.6	11.9
145°	27.6	25.9	24.3	22.7	21.1	19.5	17.8	16.1	14.5	12.9	11.4
147.5°	26.3	24.5	22.8	21.4	19.9	18.4	16.9	15.4	13.9	12.3	10.8
150°	24.7	23.3	21.8	20.2	18.6	17.2	15.8	14.4	13.0	11.6	10.1
152.5°	22.9	21.7	20.4	19.1	17.7	16.3	14.9	13.5	12.1	10.8	9.5
155°	21.1	20.0	18.8	17.6	16.5	15.2	14.0	12.8	11.5	10.2	8.9
157.5°	19.0	18.2	17.2	16.1	15.0	13.9	12.8	11.7	10.6	9.4	8.3
160°	16.9	16.0	15.2	14.4	13.5	12.6	11.6	10.6	9.6	8.5	7.5
162.5°	15.0	14.2	13.4	12.6	11.8	10.9	10.1	9.2	8.4	7.5	6.6
165°	13.1	12.4	11.7	11.0	10.3	9.5	8.8	8.0	7.2	6.4	5.7
167.5°	10.9	10.4	9.9	9.3	8.7	8.1	7.4	6.8	6.1	5.5	4.8
170°	8.7	8.3	7.9	7.4	7.0	6.5	6.0	5.5	5.0	4.4	3.9
172.5°	6.5	6.2	5.9	5.5	5.2	4.8	4.5	4.1	3.7	3.3	2.9
175°	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.5	2.2	1.9
177.5°	2.3	2.2	2.1	2.0	1.8	1.7	1.5	1.4	1.3	1.1	1.0
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: P231972

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
5°	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
7.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.4	0.8	1.3	1.7
10°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
12.5°	4.1	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
15°	4.9	4.1	3.3	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.3
17.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
20°	6.4	5.4	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
22.5°	7.1	5.9	4.7	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.7
25°	7.6	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
27.5°	8.1	6.8	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
30°	8.7	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
32.5°	9.3	7.9	6.5	5.1	3.6	2.2	0.8	2.2	3.6	5.1	6.5
35°	9.9	8.4	6.9	5.4	3.8	2.3	0.8	2.3	3.8	5.4	6.9
37.5°	10.2	8.6	7.0	5.4	3.9	2.3	0.8	2.3	3.9	5.4	7.0
40°	10.4	8.8	7.2	5.6	4.0	2.4	0.8	2.4	4.0	5.6	7.2
42.5°	10.9	9.2	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8	7.5
45°	11.1	9.3	7.5	5.8	4.1	2.4	0.8	2.4	4.1	5.8	7.5
47.5°	11.1	9.4	7.7	5.9	4.2	2.5	0.8	2.5	4.2	5.9	7.7
50°	11.5	9.7	7.9	6.1	4.3	2.6	0.8	2.6	4.3	6.1	7.9
52.5°	11.8	9.9	8.1	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.1
55°	12.1	10.0	8.0	6.1	4.3	2.5	0.8	2.5	4.3	6.1	8.0
57.5°	11.8	9.8	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
60°	11.9	10.0	7.9	6.0	4.2	2.5	0.8	2.5	4.2	6.0	7.9
62.5°	11.5	9.4	7.4	5.6	3.9	2.3	0.8	2.3	3.9	5.6	7.4
65°	10.8	8.7	6.8	5.1	3.5	2.1	0.8	2.1	3.5	5.1	6.8
67.5°	10.0	7.9	6.2	4.7	3.4	2.1	0.8	2.1	3.4	4.7	6.2
70°	9.3	7.4	5.9	4.6	3.2	2.0	0.8	2.0	3.2	4.6	5.9
72.5°	8.7	6.8	5.4	4.1	2.7	1.6	0.8	1.6	2.7	4.1	5.4
75°	7.9	6.0	4.5	3.2	2.2	1.4	0.8	1.4	2.2	3.2	4.5
77.5°	6.7	5.5	3.9	2.3	0.8	0.2	0.0	0.2	0.8	2.3	3.9
80°	5.5	4.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
82.5°	4.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.5	4.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
102.5°	6.7	5.5	3.9	2.3	0.8	0.2	0.0	0.2	0.8	2.3	3.9
105°	7.9	6.0	4.5	3.2	2.2	1.4	0.8	1.4	2.2	3.2	4.5
107.5°	8.7	6.8	5.4	4.1	2.7	1.6	0.8	1.6	2.7	4.1	5.4
110°	9.3	7.4	5.9	4.6	3.2	2.0	0.8	2.0	3.2	4.6	5.9



TEST NUMBER: P231972

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	10.0	7.9	6.2	4.7	3.4	2.1	0.8	2.1	3.4	4.7	6.2
115°	10.8	8.7	6.8	5.1	3.5	2.1	0.8	2.1	3.5	5.1	6.8
117.5°	11.5	9.4	7.4	5.6	3.9	2.3	0.8	2.3	3.9	5.6	7.4
120°	11.9	10.0	7.9	6.0	4.2	2.5	0.8	2.5	4.2	6.0	7.9
122.5°	11.8	9.8	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
125°	12.1	10.0	8.0	6.1	4.3	2.5	0.8	2.5	4.3	6.1	8.0
127.5°	11.8	9.9	8.1	6.3	4.4	2.6	0.8	2.6	4.4	6.3	8.1
130°	11.5	9.7	7.9	6.1	4.3	2.6	0.8	2.6	4.3	6.1	7.9
132.5°	11.1	9.4	7.7	5.9	4.2	2.5	0.8	2.5	4.2	5.9	7.7
135°	11.1	9.3	7.5	5.8	4.1	2.4	0.8	2.4	4.1	5.8	7.5
137.5°	10.9	9.2	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8	7.5
140°	10.4	8.8	7.2	5.6	4.0	2.4	0.8	2.4	4.0	5.6	7.2
142.5°	10.2	8.6	7.0	5.4	3.9	2.3	0.8	2.3	3.9	5.4	7.0
145°	9.9	8.4	6.9	5.4	3.8	2.3	0.8	2.3	3.8	5.4	6.9
147.5°	9.3	7.9	6.5	5.1	3.6	2.2	0.8	2.2	3.6	5.1	6.5
150°	8.7	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
152.5°	8.1	6.8	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
155°	7.6	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
157.5°	7.1	5.9	4.7	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.7
160°	6.4	5.4	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
162.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
165°	4.9	4.1	3.3	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.3
167.5°	4.1	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
170°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
172.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0	0.4	0.8	1.3	1.7
175°	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.3	0.6	0.8	1.1
177.5°	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
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: P231972

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.7	0.8	1.0	1.1	1.3	1.4	1.5	1.7	1.8	2.0	2.1
5°	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.7	3.9
7.5°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.8	5.2	5.5	5.9
10°	2.8	3.4	3.9	4.4	5.0	5.5	6.0	6.5	7.0	7.4	7.9
12.5°	3.5	4.1	4.8	5.5	6.1	6.8	7.4	8.1	8.7	9.3	9.9
15°	4.1	4.9	5.7	6.4	7.2	8.0	8.8	9.5	10.3	11.0	11.7
17.5°	4.8	5.7	6.6	7.5	8.4	9.2	10.1	10.9	11.8	12.6	13.4
20°	5.4	6.4	7.5	8.5	9.6	10.6	11.6	12.6	13.5	14.4	15.2
22.5°	5.9	7.1	8.3	9.4	10.6	11.7	12.8	13.9	15.0	16.1	17.2
25°	6.3	7.6	8.9	10.2	11.5	12.8	14.0	15.2	16.5	17.6	18.8
27.5°	6.8	8.1	9.5	10.8	12.1	13.5	14.9	16.3	17.7	19.1	20.4
30°	7.3	8.7	10.1	11.6	13.0	14.4	15.8	17.2	18.6	20.2	21.8
32.5°	7.9	9.3	10.8	12.3	13.9	15.4	16.9	18.4	19.9	21.4	22.8
35°	8.4	9.9	11.4	12.9	14.5	16.1	17.8	19.5	21.1	22.7	24.3
37.5°	8.6	10.2	11.9	13.6	15.2	16.8	18.4	20.1	22.0	24.0	25.7
40°	8.8	10.4	12.1	13.8	15.5	17.4	19.2	20.9	22.8	24.8	26.9
42.5°	9.2	10.9	12.6	14.2	16.0	17.7	19.6	21.8	23.9	25.9	27.9
45°	9.3	11.1	13.0	14.8	16.6	18.4	20.4	22.5	24.7	27.0	29.1
47.5°	9.4	11.1	12.9	14.9	17.1	19.2	21.3	23.5	25.7	28.0	30.3
50°	9.7	11.5	13.3	15.1	17.2	19.6	22.0	24.4	26.7	29.0	31.5
52.5°	9.9	11.8	13.7	15.7	17.8	20.0	22.4	25.0	27.5	30.1	32.6
55°	10.0	12.1	14.1	16.2	18.4	20.6	23.0	25.5	28.2	30.9	33.7
57.5°	9.8	11.8	14.0	16.3	18.6	21.1	23.6	26.2	28.9	31.7	34.6
60°	10.0	11.9	13.8	16.1	18.5	21.1	24.0	26.8	29.6	32.6	35.8
62.5°	9.4	11.5	13.7	15.9	18.5	21.1	23.9	27.2	30.2	33.4	37.0
65°	8.7	10.8	13.1	15.5	18.1	21.1	23.9	27.0	30.6	34.1	37.8
67.5°	7.9	10.0	12.3	15.0	17.7	20.6	23.9	26.9	30.5	34.5	38.6
70°	7.4	9.3	11.6	14.2	17.2	19.8	23.0	26.8	30.4	34.7	39.1
72.5°	6.8	8.7	11.0	13.3	16.0	19.2	22.2	26.4	30.5	34.8	39.6
75°	6.0	7.9	10.0	12.2	15.0	18.3	21.7	25.7	30.5	35.1	40.0
77.5°	5.5	6.7	8.8	11.3	14.1	17.5	21.2	25.1	30.4	35.3	40.4
80°	4.2	5.5	7.6	10.4	13.3	16.9	20.6	24.5	29.5	35.1	40.8
82.5°	2.4	4.2	6.5	9.6	12.6	15.8	19.5	23.7	28.9	35.0	41.2
85°	0.9	3.5	6.4	9.3	12.2	15.1	18.7	23.1	28.5	35.0	41.8
87.5°	0.3	3.9	6.8	9.6	12.2	14.8	18.2	22.7	28.5	35.3	42.6
90°	0.0	4.7	7.8	10.2	12.5	14.9	18.0	22.7	28.9	36.0	43.8
92.5°	0.3	3.9	6.8	9.6	12.2	14.8	18.2	22.7	28.5	35.3	42.6
95°	0.9	3.5	6.4	9.3	12.2	15.1	18.7	23.1	28.5	35.0	41.8
97.5°	2.4	4.2	6.5	9.6	12.6	15.8	19.5	23.7	28.9	35.0	41.2
100°	4.2	5.5	7.6	10.4	13.3	16.9	20.6	24.5	29.5	35.1	40.8
102.5°	5.5	6.7	8.8	11.3	14.1	17.5	21.2	25.1	30.4	35.3	40.4
105°	6.0	7.9	10.0	12.2	15.0	18.3	21.7	25.7	30.5	35.1	40.0
107.5°	6.8	8.7	11.0	13.3	16.0	19.2	22.2	26.4	30.5	34.8	39.6
110°	7.4	9.3	11.6	14.2	17.2	19.8	23.0	26.8	30.4	34.7	39.1



TEST NUMBER: P231972

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-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°	7.9	10.0	12.3	15.0	17.7	20.6	23.9	26.9	30.5	34.5	38.6
115°	8.7	10.8	13.1	15.5	18.1	21.1	23.9	27.0	30.6	34.1	37.8
117.5°	9.4	11.5	13.7	15.9	18.5	21.1	23.9	27.2	30.2	33.4	37.0
120°	10.0	11.9	13.8	16.1	18.5	21.1	24.0	26.8	29.6	32.6	35.8
122.5°	9.8	11.8	14.0	16.3	18.6	21.1	23.6	26.2	28.9	31.7	34.6
125°	10.0	12.1	14.1	16.2	18.4	20.6	23.0	25.5	28.2	30.9	33.7
127.5°	9.9	11.8	13.7	15.7	17.8	20.0	22.4	25.0	27.5	30.1	32.6
130°	9.7	11.5	13.3	15.1	17.2	19.6	22.0	24.4	26.7	29.0	31.5
132.5°	9.4	11.1	12.9	14.9	17.1	19.2	21.3	23.5	25.7	28.0	30.3
135°	9.3	11.1	13.0	14.8	16.6	18.4	20.4	22.5	24.7	27.0	29.1
137.5°	9.2	10.9	12.6	14.2	16.0	17.7	19.6	21.8	23.9	25.9	27.9
140°	8.8	10.4	12.1	13.8	15.5	17.4	19.2	20.9	22.8	24.8	26.9
142.5°	8.6	10.2	11.9	13.6	15.2	16.8	18.4	20.1	22.0	24.0	25.7
145°	8.4	9.9	11.4	12.9	14.5	16.1	17.8	19.5	21.1	22.7	24.3
147.5°	7.9	9.3	10.8	12.3	13.9	15.4	16.9	18.4	19.9	21.4	22.8
150°	7.3	8.7	10.1	11.6	13.0	14.4	15.8	17.2	18.6	20.2	21.8
152.5°	6.8	8.1	9.5	10.8	12.1	13.5	14.9	16.3	17.7	19.1	20.4
155°	6.3	7.6	8.9	10.2	11.5	12.8	14.0	15.2	16.5	17.6	18.8
157.5°	5.9	7.1	8.3	9.4	10.6	11.7	12.8	13.9	15.0	16.1	17.2
160°	5.4	6.4	7.5	8.5	9.6	10.6	11.6	12.6	13.5	14.4	15.2
162.5°	4.8	5.7	6.6	7.5	8.4	9.2	10.1	10.9	11.8	12.6	13.4
165°	4.1	4.9	5.7	6.4	7.2	8.0	8.8	9.5	10.3	11.0	11.7
167.5°	3.5	4.1	4.8	5.5	6.1	6.8	7.4	8.1	8.7	9.3	9.9
170°	2.8	3.4	3.9	4.4	5.0	5.5	6.0	6.5	7.0	7.4	7.9
172.5°	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.8	5.2	5.5	5.9
175°	1.4	1.7	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.7	3.9
177.5°	0.7	0.8	1.0	1.1	1.3	1.4	1.5	1.7	1.8	2.0	2.1
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: P231972

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.2	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3
5°	4.1	4.3	4.5	4.7	4.8	5.0	5.2	5.3	5.4	5.6	5.8
7.5°	6.2	6.5	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.4	8.6
10°	8.3	8.7	9.1	9.5	9.9	10.2	10.6	10.9	11.1	11.4	11.6
12.5°	10.4	10.9	11.4	11.9	12.4	12.8	13.2	13.6	14.0	14.3	14.6
15°	12.4	13.1	13.7	14.4	14.9	15.4	15.9	16.4	16.8	17.2	17.5
17.5°	14.2	15.0	15.8	16.5	17.2	17.9	18.6	19.1	19.6	20.1	20.5
20°	16.0	16.9	17.8	18.6	19.5	20.3	21.1	21.8	22.5	23.0	23.4
22.5°	18.2	19.0	19.9	20.7	21.6	22.5	23.4	24.3	25.1	25.9	26.4
25°	20.0	21.1	22.2	23.1	23.9	24.7	25.7	26.7	27.6	28.5	30.2
27.5°	21.7	22.9	24.2	25.4	26.5	27.3	28.7	30.6	32.7	35.0	37.4
30°	23.3	24.7	26.0	27.6	29.3	31.2	33.1	35.1	37.5	40.4	43.5
32.5°	24.5	26.3	28.2	30.0	31.8	34.0	36.4	38.9	41.6	44.8	48.6
35°	25.9	27.6	29.7	31.9	34.0	36.2	38.9	41.9	45.1	48.6	52.9
37.5°	27.4	29.2	31.1	33.3	35.7	38.2	40.9	44.1	47.8	51.9	56.4
40°	28.8	30.7	32.6	34.7	37.1	39.9	42.8	45.9	50.0	54.6	59.7
42.5°	30.0	32.1	34.1	36.2	38.5	41.2	44.4	47.8	51.6	56.8	62.5
45°	31.2	33.4	35.6	37.7	40.0	42.6	45.8	49.4	53.4	58.6	64.7
47.5°	32.5	34.8	37.1	39.3	41.6	44.2	47.0	50.9	55.2	59.9	66.8
50°	33.8	36.2	38.6	40.9	43.2	45.7	48.7	52.6	58.1	63.5	69.5
52.5°	35.2	37.6	40.0	42.7	44.9	49.0	53.7	58.8	64.1	68.9	73.4
55°	36.4	39.2	41.7	45.8	50.2	54.7	59.9	65.3	70.7	75.2	78.6
57.5°	37.7	41.4	45.4	49.6	54.8	60.0	65.7	71.7	77.7	81.9	84.7
60°	39.5	43.7	48.3	53.0	58.6	64.8	71.1	77.8	84.4	89.0	91.5
62.5°	40.8	45.4	50.6	56.1	62.0	69.0	76.2	83.7	90.9	96.5	98.9
65°	42.0	46.8	52.4	58.7	65.2	72.8	81.0	89.3	97.4	104.4	106.8
67.5°	43.0	48.0	54.0	60.9	68.2	76.2	85.3	94.7	103.9	111.9	114.5
70°	43.9	49.2	55.4	62.8	70.9	79.4	89.5	99.8	109.9	118.3	120.3
72.5°	44.8	50.3	56.6	64.5	73.4	82.2	92.1	102.0	110.7	117.4	119.4
75°	45.6	51.5	58.2	66.3	75.2	84.2	93.7	103.4	111.6	117.2	118.8
77.5°	46.5	53.0	60.1	68.2	77.3	86.5	95.7	105.1	113.1	117.5	118.4
80°	47.3	54.5	62.0	70.4	79.7	89.1	98.1	107.3	115.1	118.3	118.2
82.5°	48.2	56.1	64.1	72.8	82.3	92.0	100.9	109.8	117.5	119.4	118.0
85°	49.3	58.0	66.4	75.6	85.3	95.2	104.0	112.5	120.1	120.7	117.8
87.5°	50.6	60.1	69.0	78.7	88.6	98.7	107.4	115.6	123.0	122.2	117.6
90°	52.4	62.6	72.0	82.1	92.3	102.5	111.1	118.9	125.9	123.6	117.3
92.5°	50.6	60.1	69.0	78.7	88.6	98.7	107.4	115.6	123.0	122.2	117.6
95°	49.3	58.0	66.4	75.6	85.3	95.2	104.0	112.5	120.1	120.7	117.8
97.5°	48.2	56.1	64.1	72.8	82.3	92.0	100.9	109.8	117.5	119.4	118.0
100°	47.3	54.5	62.0	70.4	79.7	89.1	98.1	107.3	115.1	118.3	118.2
102.5°	46.5	53.0	60.1	68.2	77.3	86.5	95.7	105.1	113.1	117.5	118.4
105°	45.6	51.5	58.2	66.3	75.2	84.2	93.7	103.4	111.6	117.2	118.8
107.5°	44.8	50.3	56.6	64.5	73.4	82.2	92.1	102.0	110.7	117.4	119.4
110°	43.9	49.2	55.4	62.8	70.9	79.4	89.5	99.8	109.9	118.3	120.3



TEST NUMBER: P231972

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	43.0	48.0	54.0	60.9	68.2	76.2	85.3	94.7	103.9	111.9	114.5
115°	42.0	46.8	52.4	58.7	65.2	72.8	81.0	89.3	97.4	104.4	106.8
117.5°	40.8	45.4	50.6	56.1	62.0	69.0	76.2	83.7	90.9	96.5	98.9
120°	39.5	43.7	48.3	53.0	58.6	64.8	71.1	77.8	84.4	89.0	91.5
122.5°	37.7	41.4	45.4	49.6	54.8	60.0	65.7	71.7	77.7	81.9	84.7
125°	36.4	39.2	41.7	45.8	50.2	54.7	59.9	65.3	70.7	75.2	78.6
127.5°	35.2	37.6	40.0	42.7	44.9	49.0	53.7	58.8	64.1	68.9	73.4
130°	33.8	36.2	38.6	40.9	43.2	45.7	48.7	52.6	58.1	63.5	69.5
132.5°	32.5	34.8	37.1	39.3	41.6	44.2	47.0	50.9	55.2	59.9	66.8
135°	31.2	33.4	35.6	37.7	40.0	42.6	45.8	49.4	53.4	58.6	64.7
137.5°	30.0	32.1	34.1	36.2	38.5	41.2	44.4	47.8	51.6	56.8	62.5
140°	28.8	30.7	32.6	34.7	37.1	39.9	42.8	45.9	50.0	54.6	59.7
142.5°	27.4	29.2	31.1	33.3	35.7	38.2	40.9	44.1	47.8	51.9	56.4
145°	25.9	27.6	29.7	31.9	34.0	36.2	38.9	41.9	45.1	48.6	52.9
147.5°	24.5	26.3	28.2	30.0	31.8	34.0	36.4	38.9	41.6	44.8	48.6
150°	23.3	24.7	26.0	27.6	29.3	31.2	33.1	35.1	37.5	40.4	43.5
152.5°	21.7	22.9	24.2	25.4	26.5	27.3	28.7	30.6	32.7	35.0	37.4
155°	20.0	21.1	22.2	23.1	23.9	24.7	25.7	26.7	27.6	28.5	30.2
157.5°	18.2	19.0	19.9	20.7	21.6	22.5	23.4	24.3	25.1	25.9	26.4
160°	16.0	16.9	17.8	18.6	19.5	20.3	21.1	21.8	22.5	23.0	23.4
162.5°	14.2	15.0	15.8	16.5	17.2	17.9	18.6	19.1	19.6	20.1	20.5
165°	12.4	13.1	13.7	14.4	14.9	15.4	15.9	16.4	16.8	17.2	17.5
167.5°	10.4	10.9	11.4	11.9	12.4	12.8	13.2	13.6	14.0	14.3	14.6
170°	8.3	8.7	9.1	9.5	9.9	10.2	10.6	10.9	11.1	11.4	11.6
172.5°	6.2	6.5	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.4	8.6
175°	4.1	4.3	4.5	4.7	4.8	5.0	5.2	5.3	5.4	5.6	5.8
177.5°	2.2	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	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: P231972

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.4	3.5	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.4
5°	6.0	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	8.0
7.5°	8.7	8.8	9.1	9.3	9.5	9.8	9.9	10.1	10.3	10.4	11.6
10°	11.7	11.9	12.0	12.1	12.4	12.7	13.0	13.2	13.4	13.6	15.2
12.5°	14.8	15.0	15.1	15.3	15.3	15.6	16.0	16.3	16.6	16.9	18.8
15°	17.9	18.2	18.3	18.4	18.5	18.5	18.9	19.3	19.7	20.1	22.3
17.5°	20.9	21.2	21.5	21.6	21.7	21.7	21.9	22.4	22.9	23.3	25.9
20°	23.9	24.3	24.6	24.9	24.9	24.9	24.9	25.4	26.0	26.5	29.4
22.5°	26.9	27.3	27.7	28.0	28.2	28.2	28.1	28.5	29.1	29.7	33.0
25°	31.9	33.5	35.0	36.4	37.6	38.1	38.3	38.6	39.2	39.6	43.0
27.5°	40.0	42.3	44.6	46.6	48.2	49.2	49.1	49.0	49.4	49.5	53.0
30°	46.9	50.3	53.4	56.5	58.5	60.3	60.1	59.6	59.6	59.4	63.0
32.5°	52.7	57.2	61.5	65.5	68.6	70.9	71.1	70.4	69.9	69.3	72.9
35°	57.7	63.2	68.9	73.9	78.5	81.3	82.3	81.2	80.3	79.3	82.8
37.5°	62.1	68.4	75.3	81.8	88.2	91.6	93.5	92.1	90.7	89.2	92.7
40°	65.8	72.9	81.0	89.2	96.5	101.6	104.9	103.0	101.1	99.1	102.6
42.5°	68.8	77.0	86.1	96.3	104.7	111.5	116.2	114.0	111.6	109.0	112.4
45°	72.0	80.6	90.5	101.9	112.4	121.3	126.5	125.1	122.1	118.9	122.1
47.5°	74.5	82.7	92.4	103.4	113.9	123.3	128.7	129.2	128.2	127.8	134.0
50°	75.9	82.9	92.0	102.3	113.2	123.2	129.8	132.7	133.9	136.6	146.1
52.5°	78.4	84.4	92.1	101.7	112.6	122.8	130.8	135.8	139.4	145.5	158.4
55°	82.3	86.6	92.7	101.4	112.2	122.6	131.7	138.7	144.8	154.4	170.9
57.5°	87.0	89.6	93.8	101.6	112.0	122.5	132.5	141.4	149.9	163.2	183.6
60°	92.5	93.2	95.6	102.5	112.0	122.5	133.2	143.8	154.9	172.1	196.4
62.5°	98.9	97.6	98.5	103.7	112.3	122.6	133.8	146.0	159.7	181.0	209.3
65°	105.7	102.9	101.8	105.3	112.8	122.8	134.4	148.1	164.4	189.8	222.3
67.5°	112.9	108.7	105.6	107.1	113.6	123.1	134.9	150.0	169.0	198.7	235.5
70°	117.2	111.5	106.9	107.1	112.9	122.0	133.6	148.8	167.8	197.2	234.8
72.5°	116.2	110.8	106.4	106.4	111.9	120.8	132.2	147.5	166.6	195.7	234.0
75°	115.3	109.8	105.7	105.7	111.1	119.7	131.0	146.3	165.6	194.3	234.4
77.5°	114.4	108.5	105.0	105.0	110.3	118.7	129.8	145.2	164.5	192.8	233.1
80°	113.4	107.1	104.1	104.4	109.7	117.8	128.7	144.2	163.6	191.3	231.7
82.5°	112.4	105.5	103.1	103.8	109.1	117.0	127.7	143.2	162.7	189.8	230.3
85°	111.3	103.8	102.1	103.3	108.7	116.2	126.8	142.4	161.9	188.4	228.9
87.5°	110.0	101.9	101.1	102.9	108.3	115.6	125.9	141.5	161.1	186.9	227.5
90°	108.7	100.1	100.1	102.5	108.0	115.0	125.2	140.8	160.4	185.4	226.1
92.5°	110.0	101.9	101.1	102.9	108.3	115.6	125.9	141.5	161.1	186.9	227.5
95°	111.3	103.8	102.1	103.3	108.7	116.2	126.8	142.4	161.9	188.4	228.9
97.5°	112.4	105.5	103.1	103.8	109.1	117.0	127.7	143.2	162.7	189.8	230.3
100°	113.4	107.1	104.1	104.4	109.7	117.8	128.7	144.2	163.6	191.3	231.7
102.5°	114.4	108.5	105.0	105.0	110.3	118.7	129.8	145.2	164.5	192.8	233.1
105°	115.3	109.8	105.7	105.7	111.1	119.7	131.0	146.3	165.6	194.3	234.4
107.5°	116.2	110.8	106.4	106.4	111.9	120.8	132.2	147.5	166.6	195.7	234.0
110°	117.2	111.5	106.9	107.1	112.9	122.0	133.6	148.8	167.8	197.2	234.8



TEST NUMBER: P231972

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-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°	112.9	108.7	105.6	107.1	113.6	123.1	134.9	150.0	169.0	198.7	235.5
115°	105.7	102.9	101.8	105.3	112.8	122.8	134.4	148.1	164.4	189.8	222.3
117.5°	98.9	97.6	98.5	103.7	112.3	122.6	133.8	146.0	159.7	181.0	209.3
120°	92.5	93.2	95.6	102.5	112.0	122.5	133.2	143.8	154.9	172.1	196.4
122.5°	87.0	89.6	93.8	101.6	112.0	122.5	132.5	141.4	149.9	163.2	183.6
125°	82.3	86.6	92.7	101.4	112.2	122.6	131.7	138.7	144.8	154.4	170.9
127.5°	78.4	84.4	92.1	101.7	112.6	122.8	130.8	135.8	139.4	145.5	158.4
130°	75.9	82.9	92.0	102.3	113.2	123.2	129.8	132.7	133.9	136.6	146.1
132.5°	74.5	82.7	92.4	103.4	113.9	123.3	128.7	129.2	128.2	127.8	134.0
135°	72.0	80.6	90.5	101.9	112.4	121.3	126.5	125.1	122.1	118.9	122.1
137.5°	68.8	77.0	86.1	96.3	104.7	111.5	116.2	114.0	111.6	109.0	112.4
140°	65.8	72.9	81.0	89.2	96.5	101.6	104.9	103.0	101.1	99.1	102.6
142.5°	62.1	68.4	75.3	81.8	88.2	91.6	93.5	92.1	90.7	89.2	92.7
145°	57.7	63.2	68.9	73.9	78.5	81.3	82.3	81.2	80.3	79.3	82.8
147.5°	52.7	57.2	61.5	65.5	68.6	70.9	71.1	70.4	69.9	69.3	72.9
150°	46.9	50.3	53.4	56.5	58.5	60.3	60.1	59.6	59.6	59.4	63.0
152.5°	40.0	42.3	44.6	46.6	48.2	49.2	49.1	49.0	49.4	49.5	53.0
155°	31.9	33.5	35.0	36.4	37.6	38.1	38.3	38.6	39.2	39.6	43.0
157.5°	26.9	27.3	27.7	28.0	28.2	28.2	28.1	28.5	29.1	29.7	33.0
160°	23.9	24.3	24.6	24.9	24.9	24.9	24.9	25.4	26.0	26.5	29.4
162.5°	20.9	21.2	21.5	21.6	21.7	21.7	21.9	22.4	22.9	23.3	25.9
165°	17.9	18.2	18.3	18.4	18.5	18.5	18.9	19.3	19.7	20.1	22.3
167.5°	14.8	15.0	15.1	15.3	15.3	15.6	16.0	16.3	16.6	16.9	18.8
170°	11.7	11.9	12.0	12.1	12.4	12.7	13.0	13.2	13.4	13.6	15.2
172.5°	8.7	8.8	9.1	9.3	9.5	9.8	9.9	10.1	10.3	10.4	11.6
175°	6.0	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	8.0
177.5°	3.4	3.5	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.4
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: P231972

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	4.8	5.2	5.6	6.0	6.3	6.7	7.0	7.3	7.6	8.0	8.2
5°	8.8	9.6	10.3	11.1	11.8	12.5	13.1	13.8	14.4	15.0	15.6
7.5°	12.8	13.9	15.0	16.1	17.2	18.2	19.3	20.6	22.0	23.2	24.4
10°	16.7	18.2	19.7	21.1	22.6	24.5	26.4	28.2	29.9	31.6	33.3
12.5°	20.7	22.5	24.3	26.3	28.7	31.1	33.4	35.6	37.9	40.4	42.8
15°	24.6	26.8	29.0	31.9	34.8	37.6	40.3	43.3	46.2	49.0	52.2
17.5°	28.5	31.0	34.1	37.5	40.8	44.0	47.3	50.6	53.8	56.9	59.7
20°	32.3	35.3	39.1	42.9	46.7	50.3	53.9	57.4	60.9	64.3	67.5
22.5°	36.2	39.8	44.1	48.3	52.3	56.1	59.9	63.9	67.8	71.5	74.9
25°	46.2	50.1	54.4	58.4	62.0	65.4	68.9	72.3	75.3	77.8	81.4
27.5°	56.3	60.8	65.4	69.5	73.4	77.1	80.7	84.1	86.8	89.3	92.0
30°	66.4	71.4	76.3	80.5	84.8	88.4	92.1	95.1	97.8	100.6	103.4
32.5°	76.6	81.9	86.9	91.3	95.5	99.4	102.8	105.7	108.6	111.5	115.1
35°	86.8	92.3	97.4	102.0	106.2	110.3	113.1	116.0	118.9	122.2	126.8
37.5°	97.0	102.7	107.8	112.6	116.6	120.1	123.1	125.9	129.0	133.3	138.3
40°	107.1	112.9	118.1	122.8	126.6	129.8	132.7	135.4	139.0	143.7	150.5
42.5°	117.1	123.1	128.4	132.8	136.4	139.3	142.0	144.5	148.9	154.8	162.3
45°	127.1	133.1	138.5	142.5	145.8	148.5	150.8	153.9	158.3	165.8	174.2
47.5°	142.4	151.3	158.7	162.2	163.5	163.6	163.4	164.4	168.5	176.9	185.8
50°	158.4	171.0	181.5	186.1	186.3	185.9	186.3	188.1	191.7	196.3	201.7
52.5°	174.9	191.3	204.4	210.4	208.4	208.3	209.8	212.2	216.1	220.6	225.9
55°	191.8	212.3	227.5	233.9	230.0	230.9	233.3	236.4	239.9	243.8	248.7
57.5°	209.1	233.7	250.9	256.5	251.5	253.6	257.0	260.2	263.1	266.1	270.3
60°	226.8	255.7	274.5	278.8	273.8	276.5	280.7	283.4	285.4	287.5	290.0
62.5°	244.7	278.0	298.3	300.7	296.2	299.8	304.3	306.2	306.9	307.8	308.4
65°	262.9	300.7	322.3	322.3	318.7	323.1	327.4	328.4	327.7	327.1	325.7
67.5°	281.2	323.6	346.4	343.7	341.1	346.4	350.1	349.8	347.8	345.3	341.8
70°	281.2	325.7	352.8	354.4	355.2	360.7	364.6	365.2	364.0	361.7	356.8
72.5°	280.5	326.1	357.3	363.6	365.6	369.1	371.2	371.1	369.5	366.5	362.8
75°	279.5	326.3	362.1	373.8	375.7	376.9	377.6	377.0	374.9	371.4	368.0
77.5°	278.2	326.2	367.2	384.7	385.5	384.2	383.8	382.9	380.2	376.3	373.5
80°	278.2	326.0	372.5	396.2	395.1	391.2	389.9	388.7	385.5	381.3	379.1
82.5°	275.9	326.8	379.5	408.1	404.5	397.9	395.9	394.6	390.8	386.4	384.9
85°	273.7	325.3	383.6	420.8	413.7	404.2	401.8	400.4	396.0	391.5	390.9
87.5°	271.4	323.8	387.8	432.2	423.2	411.0	407.8	406.4	401.3	396.7	396.9
90°	269.1	322.3	391.9	443.6	432.6	417.7	413.8	412.3	406.8	402.1	402.9
92.5°	271.4	323.8	387.8	432.2	423.2	411.0	407.8	406.4	401.3	396.7	396.9
95°	273.7	325.3	383.6	420.8	413.7	404.2	401.8	400.4	396.0	391.5	390.9
97.5°	275.9	326.8	379.5	408.1	404.5	397.9	395.9	394.6	390.8	386.4	384.9
100°	278.2	326.0	372.5	396.2	395.1	391.2	389.9	388.7	385.5	381.3	379.1
102.5°	278.2	326.2	367.2	384.7	385.5	384.2	383.8	382.9	380.2	376.3	373.5
105°	279.5	326.3	362.1	373.8	375.7	376.9	377.6	377.0	374.9	371.4	368.0
107.5°	280.5	326.1	357.3	363.6	365.6	369.1	371.2	371.1	369.5	366.5	362.8
110°	281.2	325.7	352.8	354.4	355.2	360.7	364.6	365.2	364.0	361.7	356.8



TEST NUMBER: P231972

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	281.2	323.6	346.4	343.7	341.1	346.4	350.1	349.8	347.8	345.3	341.8
115°	262.9	300.7	322.3	322.3	318.7	323.1	327.4	328.4	327.7	327.1	325.7
117.5°	244.7	278.0	298.3	300.7	296.2	299.8	304.3	306.2	306.9	307.8	308.4
120°	226.8	255.7	274.5	278.8	273.8	276.5	280.7	283.4	285.4	287.5	290.0
122.5°	209.1	233.7	250.9	256.5	251.5	253.6	257.0	260.2	263.1	266.1	270.3
125°	191.8	212.3	227.5	233.9	230.0	230.9	233.3	236.4	239.9	243.8	248.7
127.5°	174.9	191.3	204.4	210.4	208.4	208.3	209.8	212.2	216.1	220.6	225.9
130°	158.4	171.0	181.5	186.1	186.3	185.9	186.3	188.1	191.7	196.3	201.7
132.5°	142.4	151.3	158.7	162.2	163.5	163.6	163.4	164.4	168.5	176.9	185.8
135°	127.1	133.1	138.5	142.5	145.8	148.5	150.8	153.9	158.3	165.8	174.2
137.5°	117.1	123.1	128.4	132.8	136.4	139.3	142.0	144.5	148.9	154.8	162.3
140°	107.1	112.9	118.1	122.8	126.6	129.8	132.7	135.4	139.0	143.7	150.5
142.5°	97.0	102.7	107.8	112.6	116.6	120.1	123.1	125.9	129.0	133.3	138.3
145°	86.8	92.3	97.4	102.0	106.2	110.3	113.1	116.0	118.9	122.2	126.8
147.5°	76.6	81.9	86.9	91.3	95.5	99.4	102.8	105.7	108.6	111.5	115.1
150°	66.4	71.4	76.3	80.5	84.8	88.4	92.1	95.1	97.8	100.6	103.4
152.5°	56.3	60.8	65.4	69.5	73.4	77.1	80.7	84.1	86.8	89.3	92.0
155°	46.2	50.1	54.4	58.4	62.0	65.4	68.9	72.3	75.3	77.8	81.4
157.5°	36.2	39.8	44.1	48.3	52.3	56.1	59.9	63.9	67.8	71.5	74.9
160°	32.3	35.3	39.1	42.9	46.7	50.3	53.9	57.4	60.9	64.3	67.5
162.5°	28.5	31.0	34.1	37.5	40.8	44.0	47.3	50.6	53.8	56.9	59.7
165°	24.6	26.8	29.0	31.9	34.8	37.6	40.3	43.3	46.2	49.0	52.2
167.5°	20.7	22.5	24.3	26.3	28.7	31.1	33.4	35.6	37.9	40.4	42.8
170°	16.7	18.2	19.7	21.1	22.6	24.5	26.4	28.2	29.9	31.6	33.3
172.5°	12.8	13.9	15.0	16.1	17.2	18.2	19.3	20.6	22.0	23.2	24.4
175°	8.8	9.6	10.3	11.1	11.8	12.5	13.1	13.8	14.4	15.0	15.6
177.5°	4.8	5.2	5.6	6.0	6.3	6.7	7.0	7.3	7.6	8.0	8.2
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: P231972

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	8.5	8.8	9.0	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.4
5°	16.4	17.1	17.8	18.5	19.1	19.7	20.3	20.8	21.3	21.7	22.1
7.5°	25.6	26.7	27.8	28.8	29.8	31.0	32.2	33.3	34.3	35.2	36.1
10°	35.1	37.0	38.8	40.5	42.2	43.8	45.4	46.7	47.7	48.7	49.5
12.5°	45.2	47.4	49.6	51.4	53.0	54.6	56.1	57.5	58.8	60.4	62.0
15°	54.2	56.5	58.7	60.9	63.0	65.4	67.8	70.1	72.4	74.6	76.6
17.5°	62.5	65.5	68.1	71.1	74.0	76.8	79.6	82.3	84.9	87.4	89.8
20°	70.8	74.1	77.3	80.6	83.9	87.1	90.2	93.3	95.9	98.4	100.7
22.5°	78.4	82.0	85.6	89.2	92.9	96.6	100.1	103.4	106.3	108.5	110.2
25°	85.2	89.2	93.5	97.7	102.2	106.5	110.4	113.9	116.8	119.4	122.2
27.5°	94.6	97.7	101.7	107.0	112.7	117.9	123.0	127.1	131.3	134.8	137.8
30°	107.0	111.2	115.6	121.0	126.2	132.1	138.1	143.5	148.3	152.3	155.9
32.5°	119.5	124.6	130.5	136.5	143.1	149.4	155.8	161.8	167.0	171.4	175.5
35°	132.1	138.6	145.3	152.6	159.7	167.0	173.9	180.0	185.6	191.1	196.7
37.5°	145.2	152.4	160.3	168.2	176.3	183.9	190.9	197.7	204.7	212.1	219.9
40°	157.9	166.4	174.9	183.8	192.2	200.1	208.3	216.3	225.6	235.6	245.9
42.5°	170.9	179.9	189.5	198.8	207.6	216.9	226.0	237.2	249.2	261.4	274.5
45°	183.4	193.5	203.6	213.4	223.5	233.6	246.0	258.6	273.0	288.7	307.4
47.5°	195.9	206.6	217.3	228.2	239.3	252.2	265.8	281.0	298.9	319.0	343.2
50°	208.8	219.5	230.9	242.9	256.0	270.0	285.7	304.6	326.7	352.5	381.4
52.5°	232.2	239.3	247.7	257.8	272.8	287.8	306.4	328.9	355.8	387.8	426.0
55°	254.1	260.2	268.4	278.7	291.4	305.8	326.6	354.0	386.5	426.5	474.0
57.5°	274.1	279.3	287.4	298.6	313.0	331.6	353.2	379.5	419.8	468.5	522.2
60°	292.6	296.4	305.5	319.0	336.4	357.3	381.1	415.5	458.3	508.8	571.2
62.5°	309.5	313.3	322.8	338.7	360.1	382.2	410.6	448.9	498.2	556.2	621.8
65°	324.9	329.5	341.4	359.9	382.8	404.1	438.1	483.2	537.7	600.6	673.0
67.5°	338.9	344.5	359.3	381.2	402.9	427.6	464.3	513.0	573.0	642.6	721.3
70°	353.1	359.0	376.5	401.7	420.4	448.5	489.7	542.6	605.7	678.8	765.9
72.5°	362.7	372.6	393.6	419.8	436.2	467.5	510.9	567.2	633.3	711.9	799.2
75°	370.0	382.7	407.1	432.9	453.9	485.8	530.9	587.6	654.4	738.0	827.7
77.5°	377.1	392.2	420.3	446.2	470.1	504.0	550.6	608.2	677.8	760.9	849.9
80°	384.1	401.1	433.2	459.3	484.6	519.3	566.3	624.4	697.7	782.6	875.4
82.5°	390.8	409.3	445.5	472.2	497.6	531.9	578.4	636.2	712.3	798.5	894.4
85°	397.4	416.9	457.0	484.5	509.1	542.2	587.3	644.0	721.7	808.4	906.4
87.5°	403.8	424.3	468.1	496.7	520.0	551.1	594.3	649.7	728.4	815.3	915.0
90°	409.9	430.3	476.4	506.9	528.8	557.0	596.9	649.3	726.0	811.2	909.8
92.5°	403.8	424.3	468.1	496.7	520.0	551.1	594.3	649.7	728.4	815.3	915.0
95°	397.4	416.9	457.0	484.5	509.1	542.2	587.3	644.0	721.7	808.4	906.4
97.5°	390.8	409.3	445.5	472.2	497.6	531.9	578.4	636.2	712.3	798.5	894.4
100°	384.1	401.1	433.2	459.3	484.6	519.3	566.3	624.4	697.7	782.6	875.4
102.5°	377.1	392.2	420.3	446.2	470.1	504.0	550.6	608.2	677.8	760.9	849.9
105°	370.0	382.7	407.1	432.9	453.9	485.8	530.9	587.6	654.4	738.0	827.7
107.5°	362.7	372.6	393.6	419.8	436.2	467.5	510.9	567.2	633.3	711.9	799.2
110°	353.1	359.0	376.5	401.7	420.4	448.5	489.7	542.6	605.7	678.8	765.9



TEST NUMBER: P231972

CATALOG NUMBER: FVS4WM-4-LD4-30-1STD-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°	338.9	344.5	359.3	381.2	402.9	427.6	464.3	513.0	573.0	642.6	721.3
115°	324.9	329.5	341.4	359.9	382.8	404.1	438.1	483.2	537.7	600.6	673.0
117.5°	309.5	313.3	322.8	338.7	360.1	382.2	410.6	448.9	498.2	556.2	621.8
120°	292.6	296.4	305.5	319.0	336.4	357.3	381.1	415.5	458.3	508.8	571.2
122.5°	274.1	279.3	287.4	298.6	313.0	331.6	353.2	379.5	419.8	468.5	522.2
125°	254.1	260.2	268.4	278.7	291.4	305.8	326.6	354.0	386.5	426.5	474.0
127.5°	232.2	239.3	247.7	257.8	272.8	287.8	306.4	328.9	355.8	387.8	426.0
130°	208.8	219.5	230.9	242.9	256.0	270.0	285.7	304.6	326.7	352.5	381.4
132.5°	195.9	206.6	217.3	228.2	239.3	252.2	265.8	281.0	298.9	319.0	343.2
135°	183.4	193.5	203.6	213.4	223.5	233.6	246.0	258.6	273.0	288.7	307.4
137.5°	170.9	179.9	189.5	198.8	207.6	216.9	226.0	237.2	249.2	261.4	274.5
140°	157.9	166.4	174.9	183.8	192.2	200.1	208.3	216.3	225.6	235.6	245.9
142.5°	145.2	152.4	160.3	168.2	176.3	183.9	190.9	197.7	204.7	212.1	219.9
145°	132.1	138.6	145.3	152.6	159.7	167.0	173.9	180.0	185.6	191.1	196.7
147.5°	119.5	124.6	130.5	136.5	143.1	149.4	155.8	161.8	167.0	171.4	175.5
150°	107.0	111.2	115.6	121.0	126.2	132.1	138.1	143.5	148.3	152.3	155.9
152.5°	94.6	97.7	101.7	107.0	112.7	117.9	123.0	127.1	131.3	134.8	137.8
155°	85.2	89.2	93.5	97.7	102.2	106.5	110.4	113.9	116.8	119.4	122.2
157.5°	78.4	82.0	85.6	89.2	92.9	96.6	100.1	103.4	106.3	108.5	110.2
160°	70.8	74.1	77.3	80.6	83.9	87.1	90.2	93.3	95.9	98.4	100.7
162.5°	62.5	65.5	68.1	71.1	74.0	76.8	79.6	82.3	84.9	87.4	89.8
165°	54.2	56.5	58.7	60.9	63.0	65.4	67.8	70.1	72.4	74.6	76.6
167.5°	45.2	47.4	49.6	51.4	53.0	54.6	56.1	57.5	58.8	60.4	62.0
170°	35.1	37.0	38.8	40.5	42.2	43.8	45.4	46.7	47.7	48.7	49.5
172.5°	25.6	26.7	27.8	28.8	29.8	31.0	32.2	33.3	34.3	35.2	36.1
175°	16.4	17.1	17.8	18.5	19.1	19.7	20.3	20.8	21.3	21.7	22.1
177.5°	8.5	8.8	9.0	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.4
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: P231972

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	10.5	10.6	10.6	10.7	10.7	10.7	11.0	10.9	10.7	10.6	10.5
5°	22.4	22.7	22.9	23.1	23.3	23.4	23.4	23.4	23.8	23.5	23.2
7.5°	36.9	37.6	38.3	38.8	39.3	39.7	40.0	40.2	40.4	40.8	40.5
10°	50.3	51.0	51.6	52.1	52.5	52.8	53.1	53.2	53.2	53.6	53.2
12.5°	63.6	65.0	66.4	67.6	68.7	69.6	70.4	71.1	71.6	72.0	72.5
15°	78.5	80.3	81.9	83.5	84.9	86.1	87.2	88.1	88.9	89.4	90.2
17.5°	92.0	93.7	95.1	96.4	97.5	98.4	99.2	99.7	100.1	100.3	100.7
20°	102.7	104.2	105.0	105.5	105.6	105.6	105.2	104.7	104.0	103.2	102.2
22.5°	111.5	112.4	113.4	114.3	114.7	114.8	114.6	114.0	113.1	112.0	110.9
25°	124.3	126.0	127.1	127.9	128.2	128.0	127.3	126.2	124.8	122.9	120.8
27.5°	140.2	142.0	143.1	144.2	145.4	146.2	146.6	146.4	145.8	144.8	143.2
30°	158.7	161.5	163.9	165.9	168.6	170.9	172.7	173.9	174.6	174.6	174.0
32.5°	179.4	183.9	188.1	191.9	196.6	201.8	206.3	210.2	213.3	215.5	216.7
35°	202.1	209.2	216.8	224.2	231.4	239.4	246.6	253.1	258.6	262.9	266.1
37.5°	228.9	238.3	249.3	259.9	270.1	282.1	293.6	304.1	313.4	321.2	327.3
40°	257.6	270.0	285.2	301.1	316.5	332.5	348.7	363.4	376.4	387.6	396.6
42.5°	290.5	307.1	326.0	347.9	369.0	389.9	413.3	434.8	454.2	471.0	484.9
45°	327.1	350.3	373.0	402.2	431.9	463.4	491.0	519.6	545.3	567.8	586.6
47.5°	368.7	399.4	431.4	465.1	503.8	541.1	579.0	616.1	649.9	679.8	705.4
50°	417.3	454.6	496.6	537.8	583.2	630.5	677.3	723.6	764.1	798.8	827.3
52.5°	469.7	516.0	566.7	617.7	674.0	732.6	788.3	843.4	888.4	923.8	950.2
55°	524.6	581.3	641.1	707.7	777.0	854.1	922.0	969.8	1005.5	1032.0	1049.9
57.5°	582.3	649.6	721.5	804.1	894.1	965.6	1035.6	1071.7	1092.6	1108.0	1118.1
60°	641.6	718.0	805.0	892.3	976.0	1047.2	1102.7	1137.2	1151.8	1163.3	1171.5
62.5°	697.2	783.9	874.2	964.2	1040.8	1105.9	1152.5	1183.6	1198.4	1211.3	1221.7
65°	753.2	837.7	932.7	1023.7	1103.7	1166.4	1202.1	1224.6	1237.0	1249.4	1260.1
67.5°	806.1	894.7	991.3	1091.8	1174.2	1220.8	1245.7	1256.9	1267.9	1283.5	1293.7
70°	852.6	949.6	1053.9	1162.0	1232.1	1259.3	1274.0	1289.3	1304.3	1313.6	1322.0
72.5°	893.2	995.2	1105.5	1201.3	1260.4	1283.9	1299.6	1313.6	1326.2	1337.6	1349.4
75°	926.4	1031.1	1140.1	1232.5	1285.1	1303.9	1317.2	1330.9	1344.9	1359.7	1372.1
77.5°	949.7	1053.3	1172.8	1264.7	1304.5	1322.7	1333.8	1342.1	1357.6	1374.5	1391.1
80°	972.4	1078.4	1200.7	1294.8	1324.1	1340.0	1344.3	1355.4	1365.4	1384.9	1406.7
82.5°	991.7	1103.4	1227.2	1305.6	1336.2	1347.6	1354.9	1369.9	1381.4	1396.6	1414.1
85°	1003.3	1115.6	1245.8	1312.6	1341.3	1350.9	1364.7	1383.4	1395.5	1406.0	1409.5
87.5°	1010.8	1116.1	1254.3	1317.6	1345.0	1354.6	1368.4	1385.4	1394.6	1411.8	1422.9
90°	1003.7	1106.2	1250.9	1318.2	1346.3	1358.1	1368.2	1383.1	1384.7	1406.6	1423.0
92.5°	1010.8	1116.1	1254.3	1317.6	1345.0	1354.6	1368.4	1385.4	1394.6	1411.8	1422.9
95°	1003.3	1115.6	1245.8	1312.6	1341.3	1350.9	1364.7	1383.4	1395.5	1406.0	1409.5
97.5°	991.7	1103.4	1227.2	1305.6	1336.2	1347.6	1354.9	1369.9	1381.4	1396.6	1414.1
100°	972.4	1078.4	1200.7	1294.8	1324.1	1340.0	1344.3	1355.4	1365.4	1384.9	1406.7
102.5°	949.7	1053.3	1172.8	1264.7	1304.5	1322.7	1333.8	1342.1	1357.6	1374.5	1391.1
105°	926.4	1031.1	1140.1	1232.5	1285.1	1303.9	1317.2	1330.9	1344.9	1359.7	1372.1
107.5°	893.2	995.2	1105.5	1201.3	1260.4	1283.9	1299.6	1313.6	1326.2	1337.6	1349.4
110°	852.6	949.6	1053.9	1162.0	1232.1	1259.3	1274.0	1289.3	1304.3	1313.6	1322.0



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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°	806.1	894.7	991.3	1091.8	1174.2	1220.8	1245.7	1256.9	1267.9	1283.5	1293.7
115°	753.2	837.7	932.7	1023.7	1103.7	1166.4	1202.1	1224.6	1237.0	1249.4	1260.1
117.5°	697.2	783.9	874.2	964.2	1040.8	1105.9	1152.5	1183.6	1198.4	1211.3	1221.7
120°	641.6	718.0	805.0	892.3	976.0	1047.2	1102.7	1137.2	1151.8	1163.3	1171.5
122.5°	582.3	649.6	721.5	804.1	894.1	965.6	1035.6	1071.7	1092.6	1108.0	1118.1
125°	524.6	581.3	641.1	707.7	777.0	854.1	922.0	969.8	1005.5	1032.0	1049.9
127.5°	469.7	516.0	566.7	617.7	674.0	732.6	788.3	843.4	888.4	923.8	950.2
130°	417.3	454.6	496.6	537.8	583.2	630.5	677.3	723.6	764.1	798.8	827.3
132.5°	368.7	399.4	431.4	465.1	503.8	541.1	579.0	616.1	649.9	679.8	705.4
135°	327.1	350.3	373.0	402.2	431.9	463.4	491.0	519.6	545.3	567.8	586.6
137.5°	290.5	307.1	326.0	347.9	369.0	389.9	413.3	434.8	454.2	471.0	484.9
140°	257.6	270.0	285.2	301.1	316.5	332.5	348.7	363.4	376.4	387.6	396.6
142.5°	228.9	238.3	249.3	259.9	270.1	282.1	293.6	304.1	313.4	321.2	327.3
145°	202.1	209.2	216.8	224.2	231.4	239.4	246.6	253.1	258.6	262.9	266.1
147.5°	179.4	183.9	188.1	191.9	196.6	201.8	206.3	210.2	213.3	215.5	216.7
150°	158.7	161.5	163.9	165.9	168.6	170.9	172.7	173.9	174.6	174.6	174.0
152.5°	140.2	142.0	143.1	144.2	145.4	146.2	146.6	146.4	145.8	144.8	143.2
155°	124.3	126.0	127.1	127.9	128.2	128.0	127.3	126.2	124.8	122.9	120.8
157.5°	111.5	112.4	113.4	114.3	114.7	114.8	114.6	114.0	113.1	112.0	110.9
160°	102.7	104.2	105.0	105.5	105.6	105.6	105.2	104.7	104.0	103.2	102.2
162.5°	92.0	93.7	95.1	96.4	97.5	98.4	99.2	99.7	100.1	100.3	100.7
165°	78.5	80.3	81.9	83.5	84.9	86.1	87.2	88.1	88.9	89.4	90.2
167.5°	63.6	65.0	66.4	67.6	68.7	69.6	70.4	71.1	71.6	72.0	72.5
170°	50.3	51.0	51.6	52.1	52.5	52.8	53.1	53.2	53.2	53.6	53.2
172.5°	36.9	37.6	38.3	38.8	39.3	39.7	40.0	40.2	40.4	40.8	40.5
175°	22.4	22.7	22.9	23.1	23.3	23.4	23.4	23.4	23.8	23.5	23.2
177.5°	10.5	10.6	10.6	10.7	10.7	10.7	11.0	10.9	10.7	10.6	10.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.8	0.8
2.5°	10.3	10.2
5°	23.0	22.7
7.5°	40.2	39.9
10°	52.8	52.4
12.5°	72.3	72.0
15°	90.1	90.0
17.5°	100.4	100.1
20°	101.2	100.1
22.5°	109.0	107.2
25°	118.5	115.8
27.5°	141.4	138.5
30°	173.0	170.5
32.5°	217.5	215.9
35°	268.7	268.3
37.5°	332.7	334.0
40°	404.7	407.6
42.5°	497.6	503.0
45°	603.7	611.8
47.5°	728.9	740.8
50°	852.7	865.2
52.5°	971.6	978.7
55°	1063.0	1063.9
57.5°	1125.2	1123.4
60°	1177.9	1176.6
62.5°	1228.9	1232.1
65°	1268.4	1273.6
67.5°	1299.0	1300.2
70°	1328.6	1332.3
72.5°	1358.0	1362.8
75°	1380.8	1386.2
77.5°	1400.3	1405.8
80°	1416.1	1415.2
82.5°	1427.1	1429.3
85°	1427.8	1441.0
87.5°	1421.4	1444.9
90°	1422.2	1427.7
92.5°	1421.4	1444.9
95°	1427.8	1441.0
97.5°	1427.1	1429.3
100°	1416.1	1415.2
102.5°	1400.3	1405.8
105°	1380.8	1386.2
107.5°	1358.0	1362.8
110°	1328.6	1332.3



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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1299.0	1300.2
115°	1268.4	1273.6
117.5°	1228.9	1232.1
120°	1177.9	1176.6
122.5°	1125.2	1123.4
125°	1063.0	1063.9
127.5°	971.6	978.7
130°	852.7	865.2
132.5°	728.9	740.8
135°	603.7	611.8
137.5°	497.6	503.0
140°	404.7	407.6
142.5°	332.7	334.0
145°	268.7	268.3
147.5°	217.5	215.9
150°	173.0	170.5
152.5°	141.4	138.5
155°	118.5	115.8
157.5°	109.0	107.2
160°	101.2	100.1
162.5°	100.4	100.1
165°	90.1	90.0
167.5°	72.3	72.0
170°	52.8	52.4
172.5°	40.2	39.9
175°	23.0	22.7
177.5°	10.3	10.2
180°	0.0	0.0

(END OF REPORT)