

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: P232003

Luminaire Tested: **FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-19)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 2-MODULE LED WITH PFS125 LENS
Light Source: (168) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

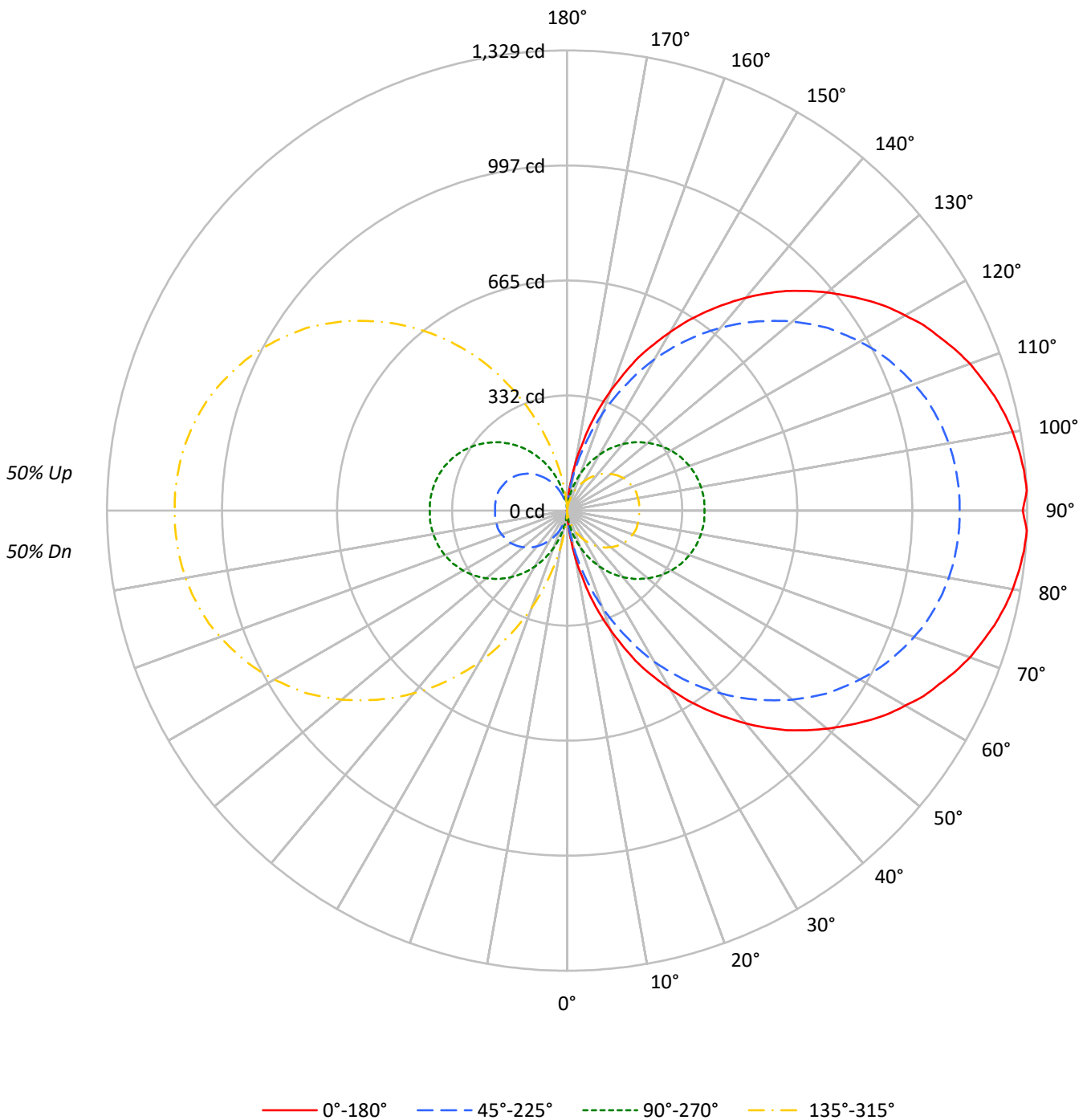
Lumens per Lamp: N/A
Luminaire Lumens: 5895.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 89.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	92	85	79	74	84	78	73	68	64	60	56	52	49	46	40	38	36	30																												
2	81	71	63	55	74	65	57	51	53	47	42	42	38	34	32	29	26	21																												
3	73	61	51	44	66	55	47	40	45	38	33	36	30	26	27	23	19	15																												
4	66	52	43	35	59	48	39	32	39	32	26	31	25	21	23	19	15	11																												
5	60	46	36	29	54	42	33	26	34	27	22	27	21	17	20	16	12	9																												
6	55	41	31	24	49	37	28	22	30	23	18	24	18	14	18	13	10	7																												
7	50	36	27	21	45	33	25	19	27	20	15	21	16	12	16	12	8	6																												
8	46	32	24	18	42	30	22	16	24	18	13	19	14	10	14	10	7	5																												
9	43	29	21	15	39	27	19	14	22	16	11	17	12	9	13	9	6	4																												
10	40	27	19	13	36	24	17	12	20	14	10	16	11	8	12	8	5	3																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	0	0	0	0
5°	593	198	0	198
10°	1697	644	0	644
15°	2728	1187	0	1187
20°	3695	1791	0	1791
25°	4591	2437	0	2437
30°	5303	3111	0	3111
35°	5988	3848	0	3848
40°	6611	4634	0	4634
45°	7203	5521	0	5521
50°	7730	6522	9	6522
55°	8266	7723	9	7723
60°	8781	9184	9	9184
65°	9289	11051	9	11051
70°	9825	13575	9	13575
75°	10351	17264	9	17264
80°	10903	23316	0	23316
85°	11475	35494	0	35494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	33.0	0.6
20°-30°	103.2	1.8
30°-40°	205.3	3.5
40°-50°	324.1	5.5
50°-60°	443.7	7.5
60°-70°	548.3	9.3
70°-80°	624.6	10.6
80°-90°	662.2	11.2
90°-100°	662.2	11.2
100°-110°	624.6	10.6
110°-120°	548.3	9.3
120°-130°	443.7	7.5
130°-140°	324.1	5.5
140°-150°	205.3	3.5
150°-160°	103.2	1.8
160°-170°	33.0	0.6
170°-180°	3.2	0.1
0°-30°	139.4	2.4
0°-40°	344.7	5.8
0°-60°	1112.5	18.9
0°-90°	2947.5	50.0
90°-120°	1835.0	31.1
90°-150°	2808.1	47.6
90°-180°	2948.0	50.0
0°-180°	5895.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	45	13	0	13	45	7
15°	252	77	0	77	252	75
25°	488	152	0	152	488	227
35°	702	220	0	220	702	443
45°	897	279	0	279	897	694
55°	1058	327	1	327	1058	949
65°	1186	363	1	363	1186	1178
75°	1278	386	1	386	1278	1350
85°	1324	397	0	397	1324	1078
90°	1316	397	0	397	1316	725
95°	1324	397	0	397	1324	1078
105°	1278	386	1	386	1278	1350
115°	1186	363	1	363	1186	1178
125°	1058	327	1	327	1058	949
135°	897	279	0	279	897	694
145°	702	220	0	220	702	443
155°	488	152	0	152	488	227
165°	252	77	0	77	252	75
175°	45	13	0	13	45	7
180°	0	0	0	0	0	



TEST NUMBER: P232003

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	13.1	13.4	13.7	14.0	14.2	14.5	14.8	14.5	14.6	14.6	14.6
5°	44.7	45.3	45.9	46.6	47.2	46.3	46.2	46.0	45.7	45.3	44.7
7.5°	87.2	88.1	88.9	89.8	88.7	88.5	88.0	87.3	86.3	85.1	83.7
10°	142.8	143.6	144.3	145.1	142.5	141.5	140.0	138.2	136.0	133.5	130.6
12.5°	189.7	191.5	193.3	193.0	193.0	192.5	191.4	189.8	187.5	184.6	181.9
15°	251.8	253.3	254.7	253.0	252.1	250.5	248.4	245.6	243.0	240.9	238.1
17.5°	310.7	312.6	314.5	312.7	311.7	309.8	307.2	304.9	302.7	299.9	296.4
20°	368.4	370.4	372.4	370.3	369.1	367.0	365.2	363.8	361.4	358.2	354.1
22.5°	426.2	428.7	431.2	428.9	427.6	425.6	424.8	423.0	420.0	416.0	411.0
25°	488.4	489.9	489.0	487.6	485.2	484.5	484.0	482.3	479.3	475.2	471.0
27.5°	540.7	543.0	542.8	542.0	540.3	541.1	540.7	539.1	536.1	533.5	528.9
30°	595.2	598.0	598.1	597.4	597.1	597.2	596.0	593.6	591.2	587.6	582.8
32.5°	650.8	652.9	652.0	650.4	651.7	652.1	651.0	649.0	646.2	641.9	636.0
35°	702.0	703.5	702.0	700.8	703.9	705.3	705.1	703.9	701.4	696.8	691.6
37.5°	752.2	753.8	752.1	751.9	754.1	755.1	756.1	755.6	752.9	749.7	744.8
40°	802.3	802.3	798.9	800.1	802.9	804.0	805.3	805.3	804.0	801.0	796.7
42.5°	850.3	850.8	847.3	849.5	851.6	853.2	853.9	853.2	851.1	848.3	844.0
45°	897.1	895.5	890.2	894.2	896.5	899.2	900.2	901.9	897.8	893.6	888.9
47.5°	938.6	938.0	934.9	939.0	941.6	943.9	944.7	944.3	942.5	939.1	933.5
50°	980.0	981.3	979.4	980.1	983.1	986.4	988.2	987.3	985.2	981.6	975.8
52.5°	1019.2	1022.1	1021.2	1020.4	1023.2	1026.0	1028.6	1028.5	1026.6	1021.5	1013.9
55°	1058.5	1057.7	1056.8	1058.2	1061.8	1065.3	1067.8	1067.4	1064.6	1058.4	1049.7
57.5°	1095.5	1093.0	1091.9	1094.8	1098.9	1102.4	1104.6	1104.3	1101.3	1093.0	1082.2
60°	1127.1	1126.1	1125.1	1128.7	1133.2	1136.3	1139.9	1138.2	1134.2	1125.6	1114.9
62.5°	1160.9	1157.4	1155.7	1159.5	1164.6	1168.8	1170.8	1168.2	1163.0	1156.8	1145.2
65°	1186.0	1187.8	1184.3	1189.0	1194.9	1197.5	1199.1	1195.7	1189.3	1181.6	1173.2
67.5°	1214.3	1213.0	1211.6	1216.3	1222.5	1225.6	1224.4	1219.9	1215.2	1207.2	1198.6
70°	1238.3	1236.1	1234.9	1240.1	1245.6	1248.8	1245.9	1241.8	1237.1	1230.8	1222.3
72.5°	1257.9	1256.4	1255.1	1262.3	1267.0	1267.3	1264.6	1260.5	1257.0	1251.8	1243.2
75°	1277.6	1274.2	1274.4	1281.5	1283.6	1281.3	1278.9	1277.7	1275.7	1270.5	1260.9
77.5°	1293.9	1288.4	1290.8	1295.8	1294.6	1293.1	1293.9	1294.1	1291.1	1285.1	1275.5
80°	1307.0	1300.4	1304.1	1304.8	1301.6	1305.4	1308.6	1307.6	1303.1	1297.1	1286.7
82.5°	1316.8	1311.2	1311.2	1306.3	1312.3	1316.7	1317.4	1315.3	1311.0	1304.0	1294.6
85°	1324.4	1318.9	1308.4	1314.7	1319.1	1320.8	1320.9	1319.5	1315.4	1308.8	1299.6
87.5°	1328.8	1309.9	1312.4	1315.3	1319.2	1321.6	1321.9	1319.6	1316.9	1310.2	1301.1
90°	1315.7	1302.6	1303.7	1310.3	1314.6	1317.9	1319.0	1317.9	1315.7	1309.2	1299.4
92.5°	1328.8	1309.9	1312.4	1315.3	1319.2	1321.6	1321.9	1319.6	1316.9	1310.2	1301.1
95°	1324.4	1318.9	1308.4	1314.7	1319.1	1320.8	1320.9	1319.5	1315.4	1308.8	1299.6
97.5°	1316.8	1311.2	1311.2	1306.3	1312.3	1316.7	1317.4	1315.3	1311.0	1304.0	1294.6
100°	1307.0	1300.4	1304.1	1304.8	1301.6	1305.4	1308.6	1307.6	1303.1	1297.1	1286.7
102.5°	1293.9	1288.4	1290.8	1295.8	1294.6	1293.1	1293.9	1294.1	1291.1	1285.1	1275.5
105°	1277.6	1274.2	1274.4	1281.5	1283.6	1281.3	1278.9	1277.7	1275.7	1270.5	1260.9
107.5°	1257.9	1256.4	1255.1	1262.3	1267.0	1267.3	1264.6	1260.5	1257.0	1251.8	1243.2
110°	1238.3	1236.1	1234.9	1240.1	1245.6	1248.8	1245.9	1241.8	1237.1	1230.8	1222.3



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1214.3	1213.0	1211.6	1216.3	1222.5	1225.6	1224.4	1219.9	1215.2	1207.2	1198.6
115°	1186.0	1187.8	1184.3	1189.0	1194.9	1197.5	1199.1	1195.7	1189.3	1181.6	1173.2
117.5°	1160.9	1157.4	1155.7	1159.5	1164.6	1168.8	1170.8	1168.2	1163.0	1156.8	1145.2
120°	1127.1	1126.1	1125.1	1128.7	1133.2	1136.3	1139.9	1138.2	1134.2	1125.6	1114.9
122.5°	1095.5	1093.0	1091.9	1094.8	1098.9	1102.4	1104.6	1104.3	1101.3	1093.0	1082.2
125°	1058.5	1057.7	1056.8	1058.2	1061.8	1065.3	1067.8	1067.4	1064.6	1058.4	1049.7
127.5°	1019.2	1022.1	1021.2	1020.4	1023.2	1026.0	1028.6	1028.5	1026.6	1021.5	1013.9
130°	980.0	981.3	979.4	980.1	983.1	986.4	988.2	987.3	985.2	981.6	975.8
132.5°	938.6	938.0	934.9	939.0	941.6	943.9	944.7	944.3	942.5	939.1	933.5
135°	897.1	895.5	890.2	894.2	896.5	899.2	900.2	901.9	897.8	893.6	888.9
137.5°	850.3	850.8	847.3	849.5	851.6	853.2	853.9	853.2	851.1	848.3	844.0
140°	802.3	802.3	798.9	800.1	802.9	804.0	805.3	805.3	804.0	801.0	796.7
142.5°	752.2	753.8	752.1	751.9	754.1	755.1	756.1	755.6	752.9	749.7	744.8
145°	702.0	703.5	702.0	700.8	703.9	705.3	705.1	703.9	701.4	696.8	691.6
147.5°	650.8	652.9	652.0	650.4	651.7	652.1	651.0	649.0	646.2	641.9	636.0
150°	595.2	598.0	598.1	597.4	597.1	597.2	596.0	593.6	591.2	587.6	582.8
152.5°	540.7	543.0	542.8	542.0	540.3	541.1	540.7	539.1	536.1	533.5	528.9
155°	488.4	489.9	489.0	487.6	485.2	484.5	484.0	482.3	479.3	475.2	471.0
157.5°	426.2	428.7	431.2	428.9	427.6	425.6	424.8	423.0	420.0	416.0	411.0
160°	368.4	370.4	372.4	370.3	369.1	367.0	365.2	363.8	361.4	358.2	354.1
162.5°	310.7	312.6	314.5	312.7	311.7	309.8	307.2	304.9	302.7	299.9	296.4
165°	251.8	253.3	254.7	253.0	252.1	250.5	248.4	245.6	243.0	240.9	238.1
167.5°	189.7	191.5	193.3	193.0	193.0	192.5	191.4	189.8	187.5	184.6	181.9
170°	142.8	143.6	144.3	145.1	142.5	141.5	140.0	138.2	136.0	133.5	130.6
172.5°	87.2	88.1	88.9	89.8	88.7	88.5	88.0	87.3	86.3	85.1	83.7
175°	44.7	45.3	45.9	46.6	47.2	46.3	46.2	46.0	45.7	45.3	44.7
177.5°	13.1	13.4	13.7	14.0	14.2	14.5	14.8	14.5	14.6	14.6	14.6
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	14.6	14.6	14.6	14.5	14.4	14.2	14.1	13.9	13.7	13.4	13.2
5°	44.0	43.2	42.2	41.2	40.0	38.7	37.3	35.8	34.1	32.4	30.5
7.5°	82.1	80.2	78.2	75.9	73.4	70.7	67.6	65.6	62.8	60.6	58.5
10°	127.4	123.8	121.6	118.8	115.7	112.4	109.2	105.9	102.2	98.2	93.8
12.5°	179.1	175.8	171.9	167.5	162.8	158.5	153.9	149.1	143.9	138.6	133.0
15°	234.5	230.3	225.2	219.8	213.9	207.4	200.8	194.3	187.4	181.1	174.3
17.5°	292.2	287.4	281.7	275.4	268.9	261.7	253.9	245.9	237.7	229.1	219.9
20°	349.0	343.5	337.8	331.4	324.3	316.6	307.8	298.1	287.7	276.8	265.7
22.5°	406.4	401.0	394.3	386.4	377.2	368.0	359.2	349.6	339.5	326.6	313.0
25°	465.7	459.3	452.0	443.8	434.5	423.9	412.3	399.9	388.2	375.7	363.7
27.5°	522.8	515.8	508.3	499.7	489.9	479.2	469.7	453.4	437.9	421.6	405.4
30°	576.8	570.6	564.5	553.9	543.4	531.4	518.3	504.6	489.3	470.8	450.8
32.5°	631.3	624.6	616.5	606.5	595.4	582.0	567.5	552.0	536.4	519.4	498.4
35°	685.6	678.5	669.4	658.9	647.0	632.5	616.0	598.8	580.3	561.7	542.6
37.5°	737.7	729.5	720.0	710.8	696.4	681.2	663.4	645.1	625.6	604.1	582.7
40°	789.5	779.6	769.2	757.1	742.7	726.3	707.5	688.3	668.8	647.0	623.4
42.5°	836.3	826.8	815.5	802.8	791.0	771.4	751.9	731.6	711.0	687.7	662.8
45°	881.9	870.8	858.5	845.3	830.4	813.5	793.4	772.0	750.3	726.6	699.9
47.5°	925.9	913.9	900.3	886.5	870.7	852.3	833.2	811.3	787.5	763.2	736.0
50°	971.3	958.6	941.3	926.4	912.2	891.0	870.3	849.3	824.1	797.7	770.1
52.5°	1005.6	994.6	978.6	963.5	947.1	929.6	906.8	884.4	860.5	831.6	802.2
55°	1039.8	1029.0	1013.8	997.5	981.6	962.1	940.8	919.4	891.7	862.7	833.8
57.5°	1072.2	1061.2	1047.2	1030.7	1013.9	994.4	971.7	947.5	921.4	892.7	860.8
60°	1104.5	1092.7	1078.3	1061.5	1043.9	1023.9	1001.4	975.9	948.2	918.9	887.7
62.5°	1134.3	1122.3	1107.7	1090.9	1071.6	1051.2	1027.9	1002.5	974.4	943.4	911.6
65°	1162.5	1150.5	1135.3	1118.6	1098.3	1076.0	1051.8	1026.3	996.9	965.6	932.9
67.5°	1188.8	1177.0	1160.1	1142.1	1123.0	1099.7	1074.3	1047.1	1017.4	985.9	952.6
70°	1211.9	1198.8	1183.7	1162.8	1142.7	1120.1	1094.4	1066.7	1037.4	1005.1	971.1
72.5°	1233.0	1218.4	1202.3	1182.7	1160.7	1137.7	1112.0	1085.0	1053.7	1021.3	986.0
75°	1249.9	1235.4	1218.5	1200.2	1177.0	1152.9	1127.0	1097.8	1066.6	1034.5	999.1
77.5°	1263.6	1249.1	1231.7	1212.1	1189.6	1165.3	1138.8	1109.7	1078.2	1045.2	1009.9
80°	1274.3	1260.0	1242.2	1222.6	1201.1	1175.7	1147.8	1119.1	1088.1	1054.5	1018.4
82.5°	1282.8	1267.5	1249.8	1230.0	1207.8	1182.3	1154.4	1126.3	1095.9	1062.2	1025.3
85°	1287.2	1272.6	1254.3	1234.4	1211.4	1186.0	1158.8	1130.4	1098.0	1064.9	1029.4
87.5°	1289.0	1275.4	1258.0	1237.1	1214.1	1188.2	1162.3	1133.7	1101.0	1067.2	1032.3
90°	1288.5	1274.3	1259.0	1236.1	1213.3	1188.2	1163.1	1133.7	1103.2	1067.2	1032.3
92.5°	1289.0	1275.4	1258.0	1237.1	1214.1	1188.2	1162.3	1133.7	1101.0	1067.2	1032.3
95°	1287.2	1272.6	1254.3	1234.4	1211.4	1186.0	1158.8	1130.4	1098.0	1064.9	1029.4
97.5°	1282.8	1267.5	1249.8	1230.0	1207.8	1182.3	1154.4	1126.3	1095.9	1062.2	1025.3
100°	1274.3	1260.0	1242.2	1222.6	1201.1	1175.7	1147.8	1119.1	1088.1	1054.5	1018.4
102.5°	1263.6	1249.1	1231.7	1212.1	1189.6	1165.3	1138.8	1109.7	1078.2	1045.2	1009.9
105°	1249.9	1235.4	1218.5	1200.2	1177.0	1152.9	1127.0	1097.8	1066.6	1034.5	999.1
107.5°	1233.0	1218.4	1202.3	1182.7	1160.7	1137.7	1112.0	1085.0	1053.7	1021.3	986.0
110°	1211.9	1198.8	1183.7	1162.8	1142.7	1120.1	1094.4	1066.7	1037.4	1005.1	971.1



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1188.8	1177.0	1160.1	1142.1	1123.0	1099.7	1074.3	1047.1	1017.4	985.9	952.6
115°	1162.5	1150.5	1135.3	1118.6	1098.3	1076.0	1051.8	1026.3	996.9	965.6	932.9
117.5°	1134.3	1122.3	1107.7	1090.9	1071.6	1051.2	1027.9	1002.5	974.4	943.4	911.6
120°	1104.5	1092.7	1078.3	1061.5	1043.9	1023.9	1001.4	975.9	948.2	918.9	887.7
122.5°	1072.2	1061.2	1047.2	1030.7	1013.9	994.4	971.7	947.5	921.4	892.7	860.8
125°	1039.8	1029.0	1013.8	997.5	981.6	962.1	940.8	919.4	891.7	862.7	833.8
127.5°	1005.6	994.6	978.6	963.5	947.1	929.6	906.8	884.4	860.5	831.6	802.2
130°	971.3	958.6	941.3	926.4	912.2	891.0	870.3	849.3	824.1	797.7	770.1
132.5°	925.9	913.9	900.3	886.5	870.7	852.3	833.2	811.3	787.5	763.2	736.0
135°	881.9	870.8	858.5	845.3	830.4	813.5	793.4	772.0	750.3	726.6	699.9
137.5°	836.3	826.8	815.5	802.8	791.0	771.4	751.9	731.6	711.0	687.7	662.8
140°	789.5	779.6	769.2	757.1	742.7	726.3	707.5	688.3	668.8	647.0	623.4
142.5°	737.7	729.5	720.0	710.8	696.4	681.2	663.4	645.1	625.6	604.1	582.7
145°	685.6	678.5	669.4	658.9	647.0	632.5	616.0	598.8	580.3	561.7	542.6
147.5°	631.3	624.6	616.5	606.5	595.4	582.0	567.5	552.0	536.4	519.4	498.4
150°	576.8	570.6	564.5	553.9	543.4	531.4	518.3	504.6	489.3	470.8	450.8
152.5°	522.8	515.8	508.3	499.7	489.9	479.2	469.7	453.4	437.9	421.6	405.4
155°	465.7	459.3	452.0	443.8	434.5	423.9	412.3	399.9	388.2	375.7	363.7
157.5°	406.4	401.0	394.3	386.4	377.2	368.0	359.2	349.6	339.5	326.6	313.0
160°	349.0	343.5	337.8	331.4	324.3	316.6	307.8	298.1	287.7	276.8	265.7
162.5°	292.2	287.4	281.7	275.4	268.9	261.7	253.9	245.9	237.7	229.1	219.9
165°	234.5	230.3	225.2	219.8	213.9	207.4	200.8	194.3	187.4	181.1	174.3
167.5°	179.1	175.8	171.9	167.5	162.8	158.5	153.9	149.1	143.9	138.6	133.0
170°	127.4	123.8	121.6	118.8	115.7	112.4	109.2	105.9	102.2	98.2	93.8
172.5°	82.1	80.2	78.2	75.9	73.4	70.7	67.6	65.6	62.8	60.6	58.5
175°	44.0	43.2	42.2	41.2	40.0	38.7	37.3	35.8	34.1	32.4	30.5
177.5°	14.6	14.6	14.6	14.5	14.4	14.2	14.1	13.9	13.7	13.4	13.2
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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	12.9	12.6	12.2	11.9	11.5	11.1	10.6	10.2	9.7	9.2	8.7
5°	28.6	26.6	24.5	23.7	22.9	22.1	21.3	20.4	19.4	18.5	17.4
7.5°	56.2	53.7	51.1	48.4	45.6	42.6	39.5	38.0	36.8	35.6	34.2
10°	89.1	84.0	78.9	75.2	71.6	67.8	63.9	59.8	55.6	53.3	51.4
12.5°	127.0	120.7	114.2	107.5	100.6	94.8	90.1	85.1	79.9	74.4	70.9
15°	166.7	158.3	150.6	141.9	134.2	126.2	118.0	111.6	105.0	98.2	91.0
17.5°	211.7	200.0	189.0	177.7	167.1	158.4	149.2	139.5	131.2	123.2	115.0
20°	254.3	242.2	229.6	217.4	205.1	192.5	181.5	169.9	157.8	148.4	139.0
22.5°	298.4	284.3	269.8	254.7	241.1	227.2	212.5	199.4	186.2	173.6	163.0
25°	344.9	328.1	311.4	295.0	277.9	261.2	243.9	226.8	213.1	199.2	186.9
27.5°	388.0	370.2	352.4	334.5	315.8	296.0	276.4	256.6	239.2	223.3	208.2
30°	431.3	411.7	392.3	372.7	352.0	330.0	307.6	287.0	267.3	247.7	228.7
32.5°	476.0	454.4	433.4	411.7	388.6	364.3	339.4	315.9	293.4	272.1	251.3
35°	520.3	495.7	472.0	447.9	422.8	397.1	371.0	345.7	320.1	296.0	274.0
37.5°	560.7	535.8	509.5	483.2	457.8	428.8	401.1	373.2	346.0	318.9	295.3
40°	599.2	573.8	546.5	518.4	489.0	459.2	429.3	400.3	371.5	342.4	316.1
42.5°	636.8	609.8	581.9	552.7	521.9	489.7	457.3	425.9	394.9	364.5	335.7
45°	672.6	644.7	615.0	584.2	552.4	518.1	484.3	451.0	417.3	385.4	355.1
47.5°	707.0	677.1	646.0	615.8	580.9	545.9	510.2	475.8	439.7	405.0	372.7
50°	740.3	709.1	676.1	642.2	607.6	572.1	535.4	499.7	462.1	424.1	389.8
52.5°	771.5	739.6	705.2	669.7	633.5	596.7	559.0	521.0	481.9	441.5	406.0
55°	801.0	768.1	733.1	696.5	657.6	619.2	580.1	539.9	499.3	458.4	421.6
57.5°	828.1	794.5	760.0	722.3	681.6	640.7	600.4	559.0	516.2	473.6	435.3
60°	854.4	819.3	781.4	743.6	703.0	659.8	619.2	578.0	533.1	488.2	448.2
62.5°	877.1	841.0	802.1	762.5	723.4	678.1	636.2	593.4	548.3	502.7	460.7
65°	898.1	861.4	822.5	781.7	740.7	696.3	651.8	606.4	561.6	516.7	473.1
67.5°	916.8	880.0	841.2	801.3	756.5	712.1	666.3	619.7	573.4	527.7	483.4
70°	934.2	896.2	857.1	814.7	771.0	725.1	678.7	632.6	584.7	537.4	493.3
72.5°	949.9	910.8	871.3	827.7	783.3	737.5	689.2	642.3	594.1	545.8	501.3
75°	962.3	923.9	882.8	838.4	793.5	748.4	698.7	649.9	602.2	553.7	508.7
77.5°	972.6	934.7	893.3	847.5	801.5	756.1	706.1	656.4	608.1	559.2	513.2
80°	980.3	942.3	899.8	855.2	807.2	761.1	711.6	662.2	613.1	564.0	517.1
82.5°	986.1	948.3	904.5	861.5	813.0	766.8	716.2	667.0	618.3	567.9	522.6
85°	990.2	951.4	907.9	866.2	818.4	774.5	721.4	672.4	624.4	572.2	525.3
87.5°	993.1	952.9	910.7	867.8	820.3	773.5	723.1	673.1	625.1	574.4	524.9
90°	993.1	951.6	911.3	866.6	819.7	771.8	724.9	673.7	625.7	576.6	524.3
92.5°	993.1	952.9	910.7	867.8	820.3	773.5	723.1	673.1	625.1	574.4	524.9
95°	990.2	951.4	907.9	866.2	818.4	774.5	721.4	672.4	624.4	572.2	525.3
97.5°	986.1	948.3	904.5	861.5	813.0	766.8	716.2	667.0	618.3	567.9	522.6
100°	980.3	942.3	899.8	855.2	807.2	761.1	711.6	662.2	613.1	564.0	517.1
102.5°	972.6	934.7	893.3	847.5	801.5	756.1	706.1	656.4	608.1	559.2	513.2
105°	962.3	923.9	882.8	838.4	793.5	748.4	698.7	649.9	602.2	553.7	508.7
107.5°	949.9	910.8	871.3	827.7	783.3	737.5	689.2	642.3	594.1	545.8	501.3
110°	934.2	896.2	857.1	814.7	771.0	725.1	678.7	632.6	584.7	537.4	493.3



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	916.8	880.0	841.2	801.3	756.5	712.1	666.3	619.7	573.4	527.7	483.4
115°	898.1	861.4	822.5	781.7	740.7	696.3	651.8	606.4	561.6	516.7	473.1
117.5°	877.1	841.0	802.1	762.5	723.4	678.1	636.2	593.4	548.3	502.7	460.7
120°	854.4	819.3	781.4	743.6	703.0	659.8	619.2	578.0	533.1	488.2	448.2
122.5°	828.1	794.5	760.0	722.3	681.6	640.7	600.4	559.0	516.2	473.6	435.3
125°	801.0	768.1	733.1	696.5	657.6	619.2	580.1	539.9	499.3	458.4	421.6
127.5°	771.5	739.6	705.2	669.7	633.5	596.7	559.0	521.0	481.9	441.5	406.0
130°	740.3	709.1	676.1	642.2	607.6	572.1	535.4	499.7	462.1	424.1	389.8
132.5°	707.0	677.1	646.0	615.8	580.9	545.9	510.2	475.8	439.7	405.0	372.7
135°	672.6	644.7	615.0	584.2	552.4	518.1	484.3	451.0	417.3	385.4	355.1
137.5°	636.8	609.8	581.9	552.7	521.9	489.7	457.3	425.9	394.9	364.5	335.7
140°	599.2	573.8	546.5	518.4	489.0	459.2	429.3	400.3	371.5	342.4	316.1
142.5°	560.7	535.8	509.5	483.2	457.8	428.8	401.1	373.2	346.0	318.9	295.3
145°	520.3	495.7	472.0	447.9	422.8	397.1	371.0	345.7	320.1	296.0	274.0
147.5°	476.0	454.4	433.4	411.7	388.6	364.3	339.4	315.9	293.4	272.1	251.3
150°	431.3	411.7	392.3	372.7	352.0	330.0	307.6	287.0	267.3	247.7	228.7
152.5°	388.0	370.2	352.4	334.5	315.8	296.0	276.4	256.6	239.2	223.3	208.2
155°	344.9	328.1	311.4	295.0	277.9	261.2	243.9	226.8	213.1	199.2	186.9
157.5°	298.4	284.3	269.8	254.7	241.1	227.2	212.5	199.4	186.2	173.6	163.0
160°	254.3	242.2	229.6	217.4	205.1	192.5	181.5	169.9	157.8	148.4	139.0
162.5°	211.7	200.0	189.0	177.7	167.1	158.4	149.2	139.5	131.2	123.2	115.0
165°	166.7	158.3	150.6	141.9	134.2	126.2	118.0	111.6	105.0	98.2	91.0
167.5°	127.0	120.7	114.2	107.5	100.6	94.8	90.1	85.1	79.9	74.4	70.9
170°	89.1	84.0	78.9	75.2	71.6	67.8	63.9	59.8	55.6	53.3	51.4
172.5°	56.2	53.7	51.1	48.4	45.6	42.6	39.5	38.0	36.8	35.6	34.2
175°	28.6	26.6	24.5	23.7	22.9	22.1	21.3	20.4	19.4	18.5	17.4
177.5°	12.9	12.6	12.2	11.9	11.5	11.1	10.6	10.2	9.7	9.2	8.7
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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.2	7.7	7.1	6.6	6.5	6.5	6.4	6.4	6.3	6.2	6.1
5°	16.4	15.3	14.2	13.1	13.0	12.9	12.7	12.5	12.3	12.1	11.9
7.5°	32.8	31.2	29.5	27.8	27.5	27.1	26.6	26.0	25.4	24.7	23.9
10°	49.4	47.2	44.9	42.5	41.9	41.1	40.3	39.4	38.4	37.4	36.3
12.5°	68.4	65.8	62.9	60.0	59.0	58.0	56.7	55.4	54.0	52.7	51.3
15°	87.5	84.4	81.0	77.4	76.2	74.8	73.2	71.5	70.1	68.6	66.9
17.5°	108.1	104.3	100.3	96.0	94.5	92.8	90.9	89.2	87.4	85.4	83.1
20°	129.2	124.4	119.6	114.5	112.9	111.0	108.9	106.9	104.6	102.3	99.5
22.5°	152.1	144.5	138.9	133.0	131.0	128.7	126.4	124.1	121.7	118.8	115.7
25°	174.8	164.7	158.3	151.5	149.1	146.3	143.9	141.4	138.6	135.2	131.6
27.5°	195.4	183.5	176.4	169.0	166.3	163.3	160.9	158.3	155.1	151.3	147.4
30°	215.4	202.1	194.4	186.4	183.5	180.3	177.9	175.1	171.4	167.5	163.2
32.5°	235.2	220.6	211.7	203.3	199.9	196.5	193.9	190.8	187.0	182.9	178.4
35°	255.0	239.1	228.8	220.2	216.3	212.5	209.8	206.5	202.4	197.8	192.7
37.5°	273.5	256.5	244.6	235.5	231.0	227.1	224.3	220.8	216.8	211.7	206.4
40°	291.7	273.7	260.4	250.7	245.7	241.5	238.6	234.8	230.4	225.2	219.7
42.5°	308.7	289.7	275.0	264.9	259.6	255.3	252.1	248.4	243.6	238.3	232.4
45°	326.4	305.4	289.7	279.1	273.5	269.0	265.4	261.9	256.6	250.5	244.2
47.5°	342.8	319.7	302.7	291.6	285.8	281.3	277.7	274.3	268.5	262.2	255.6
50°	358.8	333.9	315.7	304.1	298.1	293.6	289.9	286.3	280.1	273.7	266.9
52.5°	374.2	348.0	328.4	315.6	309.4	304.9	301.1	296.8	290.6	284.2	277.4
55°	389.1	362.0	341.2	327.0	320.7	316.1	312.0	307.1	300.7	294.2	286.8
57.5°	401.9	373.5	351.0	336.8	329.8	325.3	321.2	316.1	309.6	302.8	295.8
60°	414.1	384.9	360.7	346.6	339.0	334.4	330.2	324.8	318.0	310.9	304.9
62.5°	424.2	393.4	369.7	354.8	347.5	342.6	337.9	332.4	325.7	318.6	311.9
65°	434.1	401.4	378.7	363.0	356.0	350.7	345.4	340.0	333.3	325.8	318.2
67.5°	442.5	408.8	384.6	369.6	362.0	357.0	352.2	346.2	339.2	331.6	324.0
70°	450.5	416.1	390.3	376.1	367.9	363.3	359.0	352.1	344.7	337.0	329.3
72.5°	457.6	421.9	396.0	381.0	372.7	368.2	363.4	357.1	349.4	341.7	333.7
75°	464.4	427.5	402.2	385.9	377.5	373.0	367.7	362.2	354.0	346.2	337.7
77.5°	469.1	431.4	405.5	389.2	380.6	376.2	370.9	365.0	356.6	349.3	340.5
80°	473.4	436.0	408.8	392.4	383.8	379.4	374.0	367.6	359.0	352.3	342.8
82.5°	477.9	438.7	410.9	394.6	385.4	381.0	375.6	369.2	361.0	353.5	344.7
85°	480.7	441.5	413.1	396.8	387.0	382.6	377.2	370.7	363.0	354.4	346.6
87.5°	480.7	442.0	413.6	396.8	387.6	383.2	377.8	371.2	363.0	354.9	346.7
90°	480.7	442.6	414.2	396.8	388.1	383.7	378.3	371.7	363.0	355.4	346.6
92.5°	480.7	442.0	413.6	396.8	387.6	383.2	377.8	371.2	363.0	354.9	346.7
95°	480.7	441.5	413.1	396.8	387.0	382.6	377.2	370.7	363.0	354.4	346.6
97.5°	477.9	438.7	410.9	394.6	385.4	381.0	375.6	369.2	361.0	353.5	344.7
100°	473.4	436.0	408.8	392.4	383.8	379.4	374.0	367.6	359.0	352.3	342.8
102.5°	469.1	431.4	405.5	389.2	380.6	376.2	370.9	365.0	356.6	349.3	340.5
105°	464.4	427.5	402.2	385.9	377.5	373.0	367.7	362.2	354.0	346.2	337.7
107.5°	457.6	421.9	396.0	381.0	372.7	368.2	363.4	357.1	349.4	341.7	333.7
110°	450.5	416.1	390.3	376.1	367.9	363.3	359.0	352.1	344.7	337.0	329.3



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	442.5	408.8	384.6	369.6	362.0	357.0	352.2	346.2	339.2	331.6	324.0
115°	434.1	401.4	378.7	363.0	356.0	350.7	345.4	340.0	333.3	325.8	318.2
117.5°	424.2	393.4	369.7	354.8	347.5	342.6	337.9	332.4	325.7	318.6	311.9
120°	414.1	384.9	360.7	346.6	339.0	334.4	330.2	324.8	318.0	310.9	304.9
122.5°	401.9	373.5	351.0	336.8	329.8	325.3	321.2	316.1	309.6	302.8	295.8
125°	389.1	362.0	341.2	327.0	320.7	316.1	312.0	307.1	300.7	294.2	286.8
127.5°	374.2	348.0	328.4	315.6	309.4	304.9	301.1	296.8	290.6	284.2	277.4
130°	358.8	333.9	315.7	304.1	298.1	293.6	289.9	286.3	280.1	273.7	266.9
132.5°	342.8	319.7	302.7	291.6	285.8	281.3	277.7	274.3	268.5	262.2	255.6
135°	326.4	305.4	289.7	279.1	273.5	269.0	265.4	261.9	256.6	250.5	244.2
137.5°	308.7	289.7	275.0	264.9	259.6	255.3	252.1	248.4	243.6	238.3	232.4
140°	291.7	273.7	260.4	250.7	245.7	241.5	238.6	234.8	230.4	225.2	219.7
142.5°	273.5	256.5	244.6	235.5	231.0	227.1	224.3	220.8	216.8	211.7	206.4
145°	255.0	239.1	228.8	220.2	216.3	212.5	209.8	206.5	202.4	197.8	192.7
147.5°	235.2	220.6	211.7	203.3	199.9	196.5	193.9	190.8	187.0	182.9	178.4
150°	215.4	202.1	194.4	186.4	183.5	180.3	177.9	175.1	171.4	167.5	163.2
152.5°	195.4	183.5	176.4	169.0	166.3	163.3	160.9	158.3	155.1	151.3	147.4
155°	174.8	164.7	158.3	151.5	149.1	146.3	143.9	141.4	138.6	135.2	131.6
157.5°	152.1	144.5	138.9	133.0	131.0	128.7	126.4	124.1	121.7	118.8	115.7
160°	129.2	124.4	119.6	114.5	112.9	111.0	108.9	106.9	104.6	102.3	99.5
162.5°	108.1	104.3	100.3	96.0	94.5	92.8	90.9	89.2	87.4	85.4	83.1
165°	87.5	84.4	81.0	77.4	76.2	74.8	73.2	71.5	70.1	68.6	66.9
167.5°	68.4	65.8	62.9	60.0	59.0	58.0	56.7	55.4	54.0	52.7	51.3
170°	49.4	47.2	44.9	42.5	41.9	41.1	40.3	39.4	38.4	37.4	36.3
172.5°	32.8	31.2	29.5	27.8	27.5	27.1	26.6	26.0	25.4	24.7	23.9
175°	16.4	15.3	14.2	13.1	13.0	12.9	12.7	12.5	12.3	12.1	11.9
177.5°	8.2	7.7	7.1	6.5	6.5	6.5	6.4	6.4	6.3	6.2	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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.0	5.9	5.7	5.6	5.4	5.3	5.1	4.9	4.7	4.6	4.4
5°	11.6	11.3	11.0	10.7	10.4	10.1	9.7	9.3	9.0	8.6	8.2
7.5°	23.2	22.3	21.4	20.5	19.5	18.4	17.3	16.2	15.0	13.8	12.4
10°	35.3	34.1	32.9	31.6	30.2	28.8	27.2	25.7	24.1	22.4	20.7
12.5°	49.7	48.0	46.1	44.0	41.8	39.5	37.1	34.8	32.9	30.9	28.9
15°	65.0	62.7	60.2	57.7	55.0	52.4	49.8	47.0	44.2	41.2	37.9
17.5°	80.5	77.7	74.7	71.6	68.5	65.3	62.2	58.7	55.0	51.3	47.5
20°	96.6	93.4	90.1	86.6	83.0	78.9	74.7	70.3	65.8	61.4	57.4
22.5°	112.4	108.9	105.1	101.2	96.7	91.9	87.2	82.6	77.8	73.0	67.7
25°	127.8	123.8	119.5	115.1	110.3	105.3	100.1	94.9	89.5	83.9	78.1
27.5°	143.1	138.6	134.2	129.6	124.3	118.7	112.9	106.9	100.8	94.5	88.0
30°	158.7	153.6	148.5	143.0	137.3	131.2	124.8	118.1	111.6	104.8	97.6
32.5°	173.4	167.9	162.2	156.1	149.8	143.1	136.4	129.7	122.6	114.8	107.0
35°	187.2	181.4	175.4	168.9	162.0	155.2	148.6	141.2	132.9	124.6	116.5
37.5°	200.8	194.9	188.7	181.5	174.1	167.2	159.7	151.3	142.8	134.1	125.5
40°	213.8	207.3	200.4	193.1	186.0	178.6	169.9	161.0	152.2	143.3	134.5
42.5°	226.1	219.4	212.2	204.7	197.0	188.5	179.6	170.8	161.6	152.6	142.8
45°	237.5	230.5	223.2	215.4	207.2	198.5	189.4	180.0	170.6	160.8	150.6
47.5°	248.8	241.7	234.0	225.6	216.4	207.4	198.3	188.7	179.1	168.9	157.6
50°	259.8	252.1	244.0	235.0	225.4	216.5	206.7	196.6	186.5	175.6	164.2
52.5°	270.1	262.3	254.0	244.1	234.2	224.7	214.6	204.2	193.7	182.6	171.1
55°	279.1	271.0	262.6	252.4	242.5	232.7	222.4	211.3	200.3	189.0	177.2
57.5°	287.8	279.7	270.8	260.4	250.1	239.7	229.0	217.9	206.7	195.1	182.7
60°	296.0	287.3	277.6	267.5	257.0	246.4	235.7	223.9	212.0	200.1	187.8
62.5°	303.4	294.4	284.6	274.3	263.3	252.3	241.2	229.1	217.2	205.0	192.0
65°	309.7	300.1	290.2	280.0	268.8	258.0	246.4	234.1	221.9	209.0	195.4
67.5°	315.4	305.6	295.7	285.5	274.2	262.9	250.5	238.3	225.9	212.2	198.1
70°	320.4	310.5	300.5	289.9	278.3	267.0	254.6	242.1	229.5	215.0	201.1
72.5°	324.6	314.7	304.8	293.9	282.4	270.7	258.1	244.9	231.7	217.4	204.1
75°	328.2	317.7	307.6	296.4	285.0	273.3	260.7	247.3	233.6	220.0	206.6
77.5°	330.8	320.2	310.2	298.7	287.4	275.8	263.0	249.2	235.4	221.3	206.9
80°	333.1	322.3	312.3	300.6	288.8	276.9	264.0	250.1	236.4	221.9	207.4
82.5°	334.5	323.7	313.5	301.7	290.0	277.8	265.0	250.9	236.9	222.6	208.3
85°	335.8	324.9	314.1	302.3	291.1	278.3	266.0	251.1	237.6	223.5	208.6
87.5°	336.3	324.9	314.5	302.1	291.7	278.6	266.2	251.4	237.8	223.8	208.5
90°	336.8	324.8	315.0	302.0	292.1	279.1	266.0	251.8	237.6	223.5	208.2
92.5°	336.3	324.9	314.5	302.1	291.7	278.6	266.2	251.4	237.8	223.8	208.5
95°	335.8	324.9	314.1	302.3	291.1	278.3	266.0	251.1	237.6	223.5	208.6
97.5°	334.5	323.7	313.5	301.7	290.0	277.8	265.0	250.9	236.9	222.6	208.3
100°	333.1	322.3	312.3	300.6	288.8	276.9	264.0	250.1	236.4	221.9	207.4
102.5°	330.8	320.2	310.2	298.7	287.4	275.8	263.0	249.2	235.4	221.3	206.9
105°	328.2	317.7	307.6	296.4	285.0	273.3	260.7	247.3	233.6	220.0	206.6
107.5°	324.6	314.7	304.8	293.9	282.4	270.7	258.1	244.9	231.7	217.4	204.1
110°	320.4	310.5	300.5	289.9	278.3	267.0	254.6	242.1	229.5	215.0	201.1



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	315.4	305.6	295.7	285.5	274.2	262.9	250.5	238.3	225.9	212.2	198.1
115°	309.7	300.1	290.2	280.0	268.8	258.0	246.4	234.1	221.9	209.0	195.4
117.5°	303.4	294.4	284.6	274.3	263.3	252.3	241.2	229.1	217.2	205.0	192.0
120°	296.0	287.3	277.6	267.5	257.0	246.4	235.7	223.9	212.0	200.1	187.8
122.5°	287.8	279.7	270.8	260.4	250.1	239.7	229.0	217.9	206.7	195.1	182.7
125°	279.1	271.0	262.6	252.4	242.5	232.7	222.4	211.3	200.3	189.0	177.2
127.5°	270.1	262.3	254.0	244.1	234.2	224.7	214.6	204.2	193.7	182.6	171.1
130°	259.8	252.1	244.0	235.0	225.4	216.5	206.7	196.6	186.5	175.6	164.2
132.5°	248.8	241.7	234.0	225.6	216.4	207.4	198.3	188.7	179.1	168.9	157.6
135°	237.5	230.5	223.2	215.4	207.2	198.5	189.4	180.0	170.6	160.8	150.6
137.5°	226.1	219.4	212.2	204.7	197.0	188.5	179.6	170.8	161.6	152.6	142.8
140°	213.8	207.3	200.4	193.1	186.0	178.6	169.9	161.0	152.2	143.3	134.5
142.5°	200.8	194.9	188.7	181.5	174.1	167.2	159.7	151.3	142.8	134.1	125.5
145°	187.2	181.4	175.4	168.9	162.0	155.2	148.6	141.2	132.9	124.6	116.5
147.5°	173.4	167.9	162.2	156.1	149.8	143.1	136.4	129.7	122.6	114.8	107.0
150°	158.7	153.6	148.5	143.0	137.3	131.2	124.8	118.1	111.6	104.8	97.6
152.5°	143.1	138.6	134.2	129.6	124.2	118.7	112.9	106.9	100.8	94.5	88.0
155°	127.8	123.8	119.5	115.1	110.3	105.3	100.1	94.9	89.5	83.9	78.1
157.5°	112.4	108.9	105.1	101.2	96.7	91.9	87.2	82.6	77.8	73.0	67.7
160°	96.6	93.4	90.1	86.6	83.0	78.9	74.7	70.3	65.8	61.4	57.4
162.5°	80.5	77.7	74.7	71.6	68.5	65.3	62.2	58.7	55.0	51.3	47.5
165°	65.0	62.7	60.2	57.7	55.0	52.4	49.8	47.0	44.2	41.2	37.9
167.5°	49.7	48.0	46.1	44.0	41.8	39.5	37.1	34.8	32.9	30.9	28.9
170°	35.3	34.1	32.9	31.6	30.2	28.8	27.2	25.7	24.1	22.4	20.7
172.5°	23.2	22.3	21.4	20.5	19.5	18.4	17.3	16.2	15.0	13.8	12.4
175°	11.6	11.3	11.0	10.7	10.4	10.1	9.7	9.3	9.0	8.6	8.2
177.5°	6.0	5.9	5.7	5.6	5.4	5.3	5.1	4.9	4.7	4.6	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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.2	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.8
5°	7.8	7.3	6.9	6.5	6.1	5.6	5.2	4.7	4.2	3.8	3.3
7.5°	10.7	10.2	9.6	9.0	8.4	7.7	7.1	6.4	5.8	5.2	4.5
10°	18.9	17.1	15.3	13.4	11.5	9.3	8.6	7.8	7.0	6.2	5.4
12.5°	26.7	24.5	22.2	19.8	17.4	14.9	12.4	9.9	7.8	6.9	6.0
15°	34.5	31.4	28.6	25.7	22.9	20.0	17.2	14.3	11.5	8.7	7.0
17.5°	43.7	39.8	35.7	31.6	28.0	24.9	21.7	18.5	15.3	12.0	8.7
20°	53.1	48.6	44.0	39.4	34.8	30.2	26.2	22.4	18.7	14.9	11.1
22.5°	62.3	56.8	51.7	46.7	41.6	36.4	31.0	25.7	21.5	17.4	13.3
25°	72.1	66.1	60.1	54.0	48.1	42.2	36.2	30.2	24.4	19.9	15.5
27.5°	81.4	74.7	68.0	61.2	54.4	47.7	41.4	35.2	29.0	22.3	17.7
30°	90.3	82.9	75.8	68.6	61.2	53.5	45.9	39.2	32.5	25.9	19.3
32.5°	99.4	91.8	84.0	75.4	67.7	59.5	51.5	43.3	36.5	29.2	21.8
35°	108.6	100.0	91.4	82.7	74.0	65.4	56.9	48.4	39.9	32.1	24.3
37.5°	116.8	107.8	98.4	89.3	80.0	70.7	61.5	52.6	43.6	34.8	26.6
40°	125.1	115.4	105.6	95.8	86.0	76.1	66.3	56.4	46.6	36.9	27.9
42.5°	132.7	122.7	112.4	102.1	91.7	81.0	70.2	59.5	49.1	39.3	29.8
45°	140.1	129.5	118.9	108.1	96.7	85.3	73.9	62.7	51.5	41.0	31.0
47.5°	146.8	136.0	124.7	113.0	101.3	89.4	77.1	65.0	53.6	42.6	32.4
50°	153.5	142.1	130.1	117.7	105.3	92.1	79.1	67.2	55.9	44.3	33.8
52.5°	159.8	148.3	135.3	122.1	108.8	94.9	81.4	69.1	56.8	45.4	34.7
55°	165.2	152.6	139.6	125.4	111.4	97.2	83.8	71.0	58.4	47.0	35.8
57.5°	170.0	156.9	143.2	128.8	114.4	99.6	85.7	72.2	59.5	47.5	36.2
60°	175.0	161.1	147.1	132.4	116.8	101.8	87.5	73.9	60.9	48.8	37.0
62.5°	178.8	165.1	151.0	135.4	119.2	103.4	88.7	74.9	61.3	48.9	37.5
65°	182.5	168.8	154.2	138.5	121.2	104.7	89.7	75.6	62.0	48.9	37.1
67.5°	185.0	171.6	157.4	141.5	123.7	106.4	90.7	76.2	62.1	49.3	37.4
70°	187.4	173.7	159.9	144.2	126.0	108.3	91.3	76.1	61.8	48.9	36.7
72.5°	190.2	176.2	161.3	145.8	128.4	110.2	92.6	76.5	61.4	48.1	35.8
75°	191.4	177.2	161.8	147.1	130.9	112.4	93.8	76.8	61.9	47.5	35.3
77.5°	192.3	177.5	162.8	148.3	132.4	114.6	95.8	77.7	61.8	47.0	33.9
80°	193.1	178.1	162.8	148.1	132.4	116.3	98.7	79.6	61.7	45.9	32.7
82.5°	193.3	178.0	162.2	147.7	131.7	115.7	99.5	81.9	62.9	45.3	30.7
85°	193.3	178.1	162.2	147.1	130.0	114.6	98.4	82.2	65.4	47.3	29.9
87.5°	193.5	178.1	162.2	147.1	130.0	114.6	98.4	82.2	65.4	47.3	29.9
90°	194.0	177.7	162.4	147.2	128.6	114.5	97.0	80.7	65.4	48.0	32.7
92.5°	193.5	178.1	162.8	146.7	129.2	114.0	97.6	81.3	65.1	49.0	32.4
95°	193.3	178.1	162.2	147.1	130.0	114.6	98.4	82.2	65.4	47.3	29.9
97.5°	193.3	178.0	162.2	147.7	131.7	115.7	99.5	81.9	62.9	45.3	30.7
100°	193.1	178.1	162.8	148.1	132.4	116.3	98.7	79.6	61.7	45.9	32.7
102.5°	192.3	177.5	162.8	148.3	132.4	114.6	95.8	77.7	61.8	47.0	33.9
105°	191.4	177.2	161.8	147.1	130.9	112.4	93.8	76.8	61.9	47.5	35.3
107.5°	190.2	176.2	161.3	145.8	128.4	110.2	92.6	76.5	61.4	48.1	35.8
110°	187.4	173.7	159.9	144.2	126.0	108.3	91.3	76.1	61.8	48.9	36.7



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	185.0	171.6	157.4	141.5	123.7	106.4	90.7	76.2	62.1	49.3	37.4
115°	182.5	168.8	154.2	138.5	121.2	104.7	89.7	75.6	62.0	48.9	37.1
117.5°	178.8	165.1	151.0	135.4	119.2	103.4	88.7	74.9	61.3	48.9	37.5
120°	175.0	161.1	147.1	132.4	116.8	101.8	87.5	73.9	60.9	48.8	37.0
122.5°	170.0	156.9	143.2	128.8	114.4	99.6	85.7	72.2	59.5	47.5	36.2
125°	165.2	152.6	139.6	125.4	111.4	97.2	83.8	71.0	58.4	47.0	35.8
127.5°	159.8	148.3	135.3	122.1	108.8	94.9	81.4	69.1	56.8	45.4	34.7
130°	153.5	142.1	130.1	117.7	105.3	92.1	79.1	67.2	55.9	44.3	33.8
132.5°	146.8	136.0	124.7	113.0	101.3	89.4	77.1	65.0	53.6	42.6	32.4
135°	140.1	129.5	118.9	108.1	96.7	85.3	73.9	62.7	51.5	41.0	31.0
137.5°	132.7	122.7	112.4	102.1	91.7	81.0	70.2	59.5	49.1	39.3	29.8
140°	125.1	115.4	105.6	95.8	86.0	76.1	66.3	56.4	46.6	36.9	27.9
142.5°	116.8	107.8	98.4	89.3	80.0	70.7	61.5	52.6	43.6	34.8	26.6
145°	108.6	100.0	91.4	82.7	74.0	65.4	56.9	48.4	39.9	32.1	24.3
147.5°	99.4	91.8	84.0	75.4	67.7	59.5	51.5	43.3	36.5	29.2	21.8
150°	90.3	82.9	75.8	68.6	61.2	53.5	45.9	39.2	32.5	25.9	19.3
152.5°	81.4	74.7	68.0	61.2	54.4	47.7	41.4	35.2	29.0	22.3	17.7
155°	72.1	66.1	60.1	54.0	48.1	42.2	36.2	30.2	24.4	19.9	15.5
157.5°	62.3	56.8	51.7	46.7	41.6	36.4	31.0	25.7	21.5	17.4	13.3
160°	53.1	48.6	44.0	39.4	34.8	30.2	26.2	22.4	18.7	14.9	11.1
162.5°	43.7	39.8	35.7	31.6	28.0	24.9	21.7	18.5	15.3	12.0	8.7
165°	34.5	31.4	28.6	25.7	22.9	20.0	17.2	14.3	11.5	8.7	7.0
167.5°	26.7	24.5	22.2	19.8	17.4	14.9	12.4	9.9	7.8	6.9	6.0
170°	18.9	17.1	15.3	13.4	11.5	9.3	8.6	7.8	7.0	6.2	5.4
172.5°	10.7	10.2	9.6	9.0	8.4	7.7	7.1	6.4	5.8	5.2	4.5
175°	7.8	7.3	6.9	6.5	6.1	5.6	5.2	4.7	4.2	3.8	3.3
177.5°	4.2	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.6	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.0
5°	2.8	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
7.5°	3.9	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
10°	4.6	3.8	3.1	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.1
12.5°	5.1	4.2	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
15°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
17.5°	6.3	5.2	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
20°	7.4	5.1	4.1	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.1
22.5°	9.2	5.1	3.8	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.8
25°	11.1	6.6	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
27.5°	12.8	7.9	3.0	1.8	1.2	0.6	0.0	0.6	1.2	1.8	3.0
30°	14.3	9.4	4.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	4.6
32.5°	15.4	10.4	5.4	1.2	0.7	0.4	0.0	0.4	0.7	1.2	5.4
35°	16.6	11.2	6.4	1.7	0.8	0.4	0.0	0.4	0.8	1.7	6.4
37.5°	18.5	11.6	7.0	2.7	0.8	0.4	0.0	0.4	0.8	2.7	7.0
40°	19.9	11.9	7.2	3.4	0.9	0.5	0.0	0.5	0.9	3.4	7.2
42.5°	21.1	12.9	6.9	3.6	1.0	0.5	0.0	0.5	1.0	3.6	6.9
45°	21.7	13.6	6.1	3.0	0.1	0.0	0.0	0.0	0.1	3.0	6.1
47.5°	22.8	14.4	6.8	3.2	1.3	1.1	1.1	1.1	1.3	3.2	6.8
50°	24.0	14.9	7.7	3.0	1.5	1.1	1.1	1.1	1.5	3.0	7.7
52.5°	24.5	15.3	8.0	2.4	1.5	1.1	1.1	1.1	1.5	2.4	8.0
55°	25.2	15.7	7.7	2.9	1.6	1.1	1.1	1.1	1.6	2.9	7.7
57.5°	25.6	16.0	7.2	2.9	1.2	1.1	1.1	1.1	1.2	2.9	7.2
60°	25.9	16.2	8.1	3.1	1.1	1.1	1.1	1.1	1.1	3.1	8.1
62.5°	26.7	17.1	8.7	3.2	1.1	1.1	1.1	1.1	1.1	3.2	8.7
65°	27.0	17.7	8.5	3.2	1.3	1.1	1.1	1.1	1.3	3.2	8.5
67.5°	26.9	17.2	8.4	3.0	1.2	1.1	1.1	1.1	1.2	3.0	8.4
70°	26.2	17.1	7.9	2.7	1.1	1.1	1.1	1.1	1.1	2.7	7.9
72.5°	25.6	16.2	7.9	2.6	0.4	1.1	1.1	1.1	0.4	2.6	7.9
75°	24.3	15.1	7.2	1.9	0.2	1.1	1.1	1.1	0.2	1.9	7.2
77.5°	22.8	14.1	5.9	1.0	0.0	0.1	0.0	0.1	0.0	1.0	5.9
80°	20.7	11.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
82.5°	18.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	15.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	16.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	18.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	20.7	11.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
102.5°	22.8	14.1	5.9	1.0	0.0	0.1	0.0	0.1	0.0	1.0	5.9
105°	24.3	15.1	7.2	1.9	0.2	1.1	1.1	1.1	0.2	1.9	7.2
107.5°	25.6	16.2	7.9	2.6	0.4	1.1	1.1	1.1	0.4	2.6	7.9
110°	26.2	17.1	7.9	2.7	1.1	1.1	1.1	1.1	1.1	2.7	7.9



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	26.9	17.2	8.4	3.0	1.2	1.1	1.1	1.1	1.2	3.0	8.4
115°	27.0	17.7	8.5	3.2	1.3	1.1	1.1	1.1	1.3	3.2	8.5
117.5°	26.7	17.1	8.7	3.2	1.1	1.1	1.1	1.1	1.1	3.2	8.7
120°	25.9	16.2	8.1	3.1	1.1	1.1	1.1	1.1	1.1	3.1	8.1
122.5°	25.6	16.0	7.2	2.9	1.2	1.1	1.1	1.1	1.2	2.9	7.2
125°	25.2	15.7	7.7	2.9	1.6	1.1	1.1	1.1	1.6	2.9	7.7
127.5°	24.5	15.3	8.0	2.4	1.5	1.1	1.1	1.1	1.5	2.4	8.0
130°	24.0	14.9	7.7	3.0	1.5	1.1	1.1	1.1	1.5	3.0	7.7
132.5°	22.8	14.4	6.8	3.2	1.3	1.1	1.1	1.1	1.3	3.2	6.8
135°	21.7	13.6	6.1	3.0	0.1	0.0	0.0	0.0	0.1	3.0	6.1
137.5°	21.1	12.9	6.9	3.6	1.0	0.5	0.0	0.5	1.0	3.6	6.9
140°	19.9	11.9	7.2	3.4	0.9	0.5	0.0	0.5	0.9	3.4	7.2
142.5°	18.5	11.6	7.0	2.7	0.8	0.4	0.0	0.4	0.8	2.7	7.0
145°	16.6	11.2	6.4	1.7	0.8	0.4	0.0	0.4	0.8	1.7	6.4
147.5°	15.4	10.4	5.4	1.2	0.7	0.4	0.0	0.4	0.7	1.2	5.4
150°	14.3	9.4	4.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	4.6
152.5°	12.8	7.9	3.0	1.8	1.2	0.6	0.0	0.6	1.2	1.8	3.0
155°	11.1	6.6	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
157.5°	9.2	5.1	3.8	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.8
160°	7.4	5.1	4.1	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.1
162.5°	6.3	5.2	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
165°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
167.5°	5.1	4.2	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
170°	4.6	3.8	3.1	2.3	1.5	0.8	0.0	0.8	1.5	2.3	3.1
172.5°	3.9	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
175°	2.8	2.4	1.9	1.4	1.0	0.5	0.0	0.5	1.0	1.4	1.9
177.5°	1.6	1.3	1.0	0.8	0.5	0.3	0.0	0.3	0.5	0.8	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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.3	1.6	1.8	2.1	2.3	2.6	2.8	3.0	3.3	3.5	3.7
5°	2.4	2.8	3.3	3.8	4.2	4.7	5.2	5.6	6.1	6.5	6.9
7.5°	3.2	3.9	4.5	5.2	5.8	6.4	7.1	7.7	8.4	9.0	9.6
10°	3.8	4.6	5.4	6.2	7.0	7.8	8.6	9.3	11.5	13.4	15.3
12.5°	4.2	5.1	6.0	6.9	7.8	9.9	12.4	14.9	17.4	19.8	22.2
15°	5.0	6.0	7.0	8.7	11.5	14.3	17.2	20.0	22.9	25.7	28.6
17.5°	5.2	6.3	8.7	12.0	15.3	18.5	21.7	24.9	28.0	31.6	35.7
20°	5.1	7.4	11.1	14.9	18.7	22.4	26.2	30.2	34.8	39.4	44.0
22.5°	5.1	9.2	13.3	17.4	21.5	25.7	31.0	36.4	41.6	46.7	51.7
25°	6.6	11.1	15.5	19.9	24.4	30.2	36.2	42.2	48.1	54.0	60.1
27.5°	7.9	12.8	17.7	22.3	29.0	35.2	41.4	47.7	54.4	61.2	68.0
30°	9.4	14.3	19.3	25.9	32.5	39.2	45.9	53.5	61.2	68.6	75.8
32.5°	10.4	15.4	21.8	29.2	36.5	43.3	51.5	59.5	67.7	75.4	84.0
35°	11.2	16.6	24.3	32.1	39.9	48.4	56.9	65.4	74.0	82.7	91.4
37.5°	11.6	18.5	26.6	34.8	43.6	52.6	61.5	70.7	80.0	89.3	98.4
40°	11.9	19.9	27.9	36.9	46.6	56.4	66.3	76.1	86.0	95.8	105.6
42.5°	12.9	21.1	29.8	39.3	49.1	59.5	70.2	81.0	91.7	102.1	112.4
45°	13.6	21.7	31.0	41.0	51.5	62.7	73.9	85.3	96.7	108.1	118.9
47.5°	14.4	22.8	32.4	42.6	53.6	65.0	77.1	89.4	101.3	113.0	124.7
50°	14.9	24.0	33.8	44.3	55.9	67.2	79.1	92.1	105.3	117.7	130.1
52.5°	15.3	24.5	34.7	45.4	56.8	69.1	81.4	94.9	108.8	122.1	135.3
55°	15.7	25.2	35.8	47.0	58.4	71.0	83.8	97.2	111.4	125.4	139.6
57.5°	16.0	25.6	36.2	47.5	59.5	72.2	85.7	99.6	114.4	128.8	143.2
60°	16.2	25.9	37.0	48.8	60.9	73.9	87.5	101.8	116.8	132.4	147.1
62.5°	17.1	26.7	37.5	48.9	61.3	74.9	88.7	103.4	119.2	135.4	151.0
65°	17.7	27.0	37.1	48.9	62.0	75.6	89.7	104.7	121.2	138.5	154.2
67.5°	17.2	26.9	37.4	49.3	62.1	76.1	90.7	106.4	123.7	141.5	157.4
70°	17.1	26.2	36.7	48.9	61.8	76.1	91.3	108.3	126.0	144.2	159.9
72.5°	16.2	25.6	35.8	48.1	61.4	76.5	92.6	110.2	128.4	145.8	161.3
75°	15.1	24.3	35.3	47.5	61.9	76.8	93.8	112.4	130.9	147.1	161.8
77.5°	14.1	22.8	33.9	47.0	61.8	77.7	95.8	114.6	132.4	148.3	162.8
80°	11.3	20.7	32.7	45.9	61.7	79.6	98.7	116.3	132.4	148.1	162.8
82.5°	8.0	18.5	30.7	45.3	62.9	81.9	99.5	115.7	131.7	147.7	162.2
85°	4.4	16.2	29.9	47.3	65.4	82.2	98.4	114.6	130.0	147.1	162.2
87.5°	1.4	15.8	32.4	49.0	65.1	81.3	97.6	114.0	129.2	146.7	162.8
90°	0.0	18.5	32.7	48.0	65.4	80.7	97.0	114.5	128.6	147.2	162.4
92.5°	1.4	15.8	32.4	49.0	65.1	81.3	97.6	114.0	129.2	146.7	162.8
95°	4.4	16.2	29.9	47.3	65.4	82.2	98.4	114.6	130.0	147.1	162.2
97.5°	8.0	18.5	30.7	45.3	62.9	81.9	99.5	115.7	131.7	147.7	162.2
100°	11.3	20.7	32.7	45.9	61.7	79.6	98.7	116.3	132.4	148.1	162.8
102.5°	14.1	22.8	33.9	47.0	61.8	77.7	95.8	114.6	132.4	148.3	162.8
105°	15.1	24.3	35.3	47.5	61.9	76.8	93.8	112.4	130.9	147.1	161.8
107.5°	16.2	25.6	35.8	48.1	61.4	76.5	92.6	110.2	128.4	145.8	161.3
110°	17.1	26.2	36.7	48.9	61.8	76.1	91.3	108.3	126.0	144.2	159.9



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	17.2	26.9	37.4	49.3	62.1	76.2	90.7	106.4	123.7	141.5	157.4
115°	17.7	27.0	37.1	48.9	62.0	75.6	89.7	104.7	121.2	138.5	154.2
117.5°	17.1	26.7	37.5	48.9	61.3	74.9	88.7	103.4	119.2	135.4	151.0
120°	16.2	25.9	37.0	48.8	60.9	73.9	87.5	101.8	116.8	132.4	147.1
122.5°	16.0	25.6	36.2	47.5	59.5	72.2	85.7	99.6	114.4	128.8	143.2
125°	15.7	25.2	35.8	47.0	58.4	71.0	83.8	97.2	111.4	125.4	139.6
127.5°	15.3	24.5	34.7	45.4	56.8	69.1	81.4	94.9	108.8	122.1	135.3
130°	14.9	24.0	33.8	44.3	55.9	67.2	79.1	92.1	105.3	117.7	130.1
132.5°	14.4	22.8	32.4	42.6	53.6	65.0	77.1	89.4	101.3	113.0	124.7
135°	13.6	21.7	31.0	41.0	51.5	62.7	73.9	85.3	96.7	108.1	118.9
137.5°	12.9	21.1	29.8	39.3	49.1	59.5	70.2	81.0	91.7	102.1	112.4
140°	11.9	19.9	27.9	36.9	46.6	56.4	66.3	76.1	86.0	95.8	105.6
142.5°	11.6	18.5	26.6	34.8	43.6	52.6	61.5	70.7	80.0	89.3	98.4
145°	11.2	16.6	24.3	32.1	39.9	48.4	56.9	65.4	74.0	82.7	91.4
147.5°	10.4	15.4	21.8	29.2	36.5	43.3	51.5	59.5	67.7	75.4	84.0
150°	9.4	14.3	19.3	25.9	32.5	39.2	45.9	53.5	61.2	68.6	75.8
152.5°	7.9	12.8	17.7	22.3	29.0	35.2	41.4	47.7	54.4	61.2	68.0
155°	6.6	11.1	15.5	19.9	24.4	30.2	36.2	42.2	48.1	54.0	60.1
157.5°	5.1	9.2	13.3	17.4	21.5	25.7	31.0	36.4	41.6	46.7	51.7
160°	5.1	7.4	11.1	14.9	18.7	22.4	26.2	30.2	34.8	39.4	44.0
162.5°	5.2	6.3	8.7	12.0	15.3	18.5	21.7	24.9	28.0	31.6	35.7
165°	5.0	6.0	7.0	8.7	11.5	14.3	17.2	20.0	22.9	25.7	28.6
167.5°	4.2	5.1	6.0	6.9	7.8	9.9	12.4	14.9	17.4	19.8	22.2
170°	3.8	4.6	5.4	6.2	7.0	7.8	8.6	9.3	11.5	13.4	15.3
172.5°	3.2	3.9	4.5	5.2	5.8	6.4	7.1	7.7	8.4	9.0	9.6
175°	2.4	2.8	3.3	3.8	4.2	4.7	5.2	5.6	6.1	6.5	6.9
177.5°	1.3	1.6	1.8	2.1	2.3	2.6	2.8	3.0	3.3	3.5	3.7
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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.9	4.2	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.7
5°	7.3	7.8	8.2	8.6	9.0	9.3	9.7	10.1	10.4	10.7	11.0
7.5°	10.2	10.7	12.4	13.8	15.0	16.2	17.3	18.4	19.5	20.5	21.4
10°	17.1	18.9	20.7	22.4	24.1	25.7	27.2	28.8	30.2	31.6	32.9
12.5°	24.5	26.7	28.9	30.9	32.9	34.8	37.1	39.5	41.8	44.0	46.1
15°	31.4	34.5	37.9	41.2	44.2	47.0	49.8	52.4	55.0	57.7	60.2
17.5°	39.8	43.7	47.5	51.3	55.0	58.7	62.2	65.3	68.5	71.6	74.7
20°	48.6	53.1	57.4	61.4	65.8	70.3	74.7	78.9	83.0	86.6	90.1
22.5°	56.8	62.3	67.7	73.0	77.8	82.6	87.2	91.9	96.7	101.2	105.1
25°	66.1	72.1	78.1	83.9	89.5	94.9	100.1	105.3	110.3	115.1	119.5
27.5°	74.7	81.4	88.0	94.5	100.8	106.9	112.9	118.7	124.3	129.6	134.2
30°	82.9	90.3	97.6	104.8	111.6	118.1	124.8	131.2	137.3	143.0	148.5
32.5°	91.8	99.4	107.0	114.8	122.6	129.7	136.4	143.1	149.8	156.1	162.2
35°	100.0	108.6	116.5	124.6	132.9	141.2	148.6	155.2	162.0	168.9	175.4
37.5°	107.8	116.8	125.5	134.1	142.8	151.3	159.7	167.2	174.1	181.5	188.7
40°	115.4	125.1	134.5	143.3	152.2	161.0	169.9	178.6	186.0	193.1	200.4
42.5°	122.7	132.7	142.8	152.6	161.6	170.8	179.6	188.5	197.0	204.7	212.2
45°	129.5	140.1	150.6	160.8	170.6	180.0	189.4	198.5	207.2	215.4	223.2
47.5°	136.0	146.8	157.6	168.9	179.1	188.7	198.3	207.4	216.4	225.6	234.0
50°	142.1	153.5	164.2	175.6	186.5	196.6	206.7	216.5	225.4	235.0	244.0
52.5°	148.3	159.8	171.1	182.6	193.7	204.2	214.6	224.7	234.2	244.1	254.0
55°	152.6	165.2	177.2	189.0	200.3	211.3	222.4	232.7	242.5	252.4	262.6
57.5°	156.9	170.0	182.7	195.1	206.7	217.9	229.0	239.7	250.1	260.4	270.8
60°	161.1	175.0	187.8	200.1	212.0	223.9	235.7	246.4	257.0	267.5	277.6
62.5°	165.1	178.8	192.0	205.0	217.2	229.1	241.2	252.3	263.3	274.3	284.6
65°	168.8	182.5	195.4	209.0	221.9	234.1	246.4	258.0	268.8	280.0	290.2
67.5°	171.6	185.0	198.1	212.2	225.9	238.3	250.5	262.9	274.2	285.5	295.7
70°	173.7	187.4	201.1	215.0	229.5	242.1	254.6	267.0	278.3	289.9	300.5
72.5°	176.2	190.2	204.1	217.4	231.7	244.9	258.1	270.7	282.4	293.9	304.8
75°	177.2	191.4	206.6	220.0	233.6	247.3	260.7	273.3	285.0	296.4	307.6
77.5°	177.5	192.3	206.9	221.3	235.4	249.2	263.0	275.8	287.4	298.7	310.2
80°	178.1	193.1	207.4	221.9	236.4	250.1	264.0	276.9	288.8	300.6	312.3
82.5°	178.0	193.3	208.3	222.6	236.9	250.9	265.0	277.8	290.0	301.7	313.5
85°	178.1	193.3	208.6	223.5	237.6	251.1	266.0	278.3	291.1	302.3	314.1
87.5°	178.1	193.3	208.6	223.5	237.6	251.1	266.0	278.3	291.1	302.3	314.1
90°	177.7	194.0	208.2	223.5	237.6	251.8	266.0	279.1	292.1	302.0	315.0
92.5°	178.1	193.5	208.5	223.8	237.8	251.4	266.2	278.6	291.7	302.1	314.5
95°	178.1	193.3	208.6	223.5	237.6	251.1	266.0	278.3	291.1	302.3	314.1
97.5°	178.0	193.3	208.3	222.6	236.9	250.9	265.0	277.8	290.0	301.7	313.5
100°	178.1	193.1	207.4	221.9	236.4	250.1	264.0	276.9	288.8	300.6	312.3
102.5°	177.5	192.3	206.9	221.3	235.4	249.2	263.0	275.8	287.4	298.7	310.2
105°	177.2	191.4	206.6	220.0	233.6	247.3	260.7	273.3	285.0	296.4	307.6
107.5°	176.2	190.2	204.1	217.4	231.7	244.9	258.1	270.7	282.4	293.9	304.8
110°	173.7	187.4	201.1	215.0	229.5	242.1	254.6	267.0	278.3	289.9	300.5



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	171.6	185.0	198.1	212.2	225.9	238.3	250.5	262.9	274.2	285.5	295.7
115°	168.8	182.5	195.4	209.0	221.9	234.1	246.4	258.0	268.8	280.0	290.2
117.5°	165.1	178.8	192.0	205.0	217.2	229.1	241.2	252.3	263.3	274.3	284.6
120°	161.1	175.0	187.8	200.1	212.0	223.9	235.7	246.4	257.0	267.5	277.6
122.5°	156.9	170.0	182.7	195.1	206.7	217.9	229.0	239.7	250.1	260.4	270.8
125°	152.6	165.2	177.2	189.0	200.3	211.3	222.4	232.7	242.5	252.4	262.6
127.5°	148.3	159.8	171.1	182.6	193.7	204.2	214.6	224.7	234.2	244.1	254.0
130°	142.1	153.5	164.2	175.6	186.5	196.6	206.7	216.5	225.4	235.0	244.0
132.5°	136.0	146.8	157.6	168.9	179.1	188.7	198.3	207.4	216.4	225.6	234.0
135°	129.5	140.1	150.6	160.8	170.6	180.0	189.4	198.5	207.2	215.4	223.2
137.5°	122.7	132.7	142.8	152.6	161.6	170.8	179.6	188.5	197.0	204.7	212.2
140°	115.4	125.1	134.5	143.3	152.2	161.0	169.9	178.6	186.0	193.1	200.4
142.5°	107.8	116.8	125.5	134.1	142.8	151.3	159.7	167.2	174.1	181.5	188.7
145°	100.0	108.6	116.5	124.6	132.9	141.2	148.6	155.2	162.0	168.9	175.4
147.5°	91.8	99.4	107.0	114.8	122.6	129.7	136.4	143.1	149.8	156.1	162.2
150°	82.9	90.3	97.6	104.8	111.6	118.1	124.8	131.2	137.3	143.0	148.5
152.5°	74.7	81.4	88.0	94.5	100.8	106.9	112.9	118.7	124.3	129.6	134.2
155°	66.1	72.1	78.1	83.9	89.5	94.9	100.1	105.3	110.3	115.1	119.5
157.5°	56.8	62.3	67.7	73.0	77.8	82.6	87.2	91.9	96.7	101.2	105.1
160°	48.6	53.1	57.4	61.4	65.8	70.3	74.7	78.9	83.0	86.6	90.1
162.5°	39.8	43.7	47.5	51.3	55.0	58.7	62.2	65.3	68.5	71.6	74.7
165°	31.4	34.5	37.9	41.2	44.2	47.0	49.8	52.4	55.0	57.7	60.2
167.5°	24.5	26.7	28.9	30.9	32.9	34.8	37.1	39.5	41.8	44.0	46.1
170°	17.1	18.9	20.7	22.4	24.1	25.7	27.2	28.8	30.2	31.6	32.9
172.5°	10.2	10.7	12.4	13.8	15.0	16.2	17.3	18.4	19.5	20.5	21.4
175°	7.3	7.8	8.2	8.6	9.0	9.3	9.7	10.1	10.4	10.7	11.0
177.5°	3.9	4.2	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.7
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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.5	6.6	7.1
5°	11.3	11.6	11.9	12.1	12.3	12.5	12.7	12.9	13.0	13.1	14.2
7.5°	22.3	23.2	23.9	24.7	25.4	26.0	26.6	27.1	27.5	27.8	29.5
10°	34.1	35.3	36.3	37.4	38.4	39.4	40.3	41.1	41.9	42.5	44.9
12.5°	48.0	49.7	51.3	52.7	54.0	55.4	56.7	58.0	59.0	60.0	62.9
15°	62.7	65.0	66.9	68.6	70.1	71.5	73.2	74.8	76.2	77.4	81.0
17.5°	77.7	80.5	83.1	85.4	87.4	89.2	90.9	92.8	94.5	96.0	100.3
20°	93.4	96.6	99.5	102.3	104.6	106.9	108.9	111.0	112.9	114.5	119.6
22.5°	108.9	112.4	115.7	118.8	121.7	124.1	126.4	128.7	131.0	133.0	138.9
25°	123.8	127.8	131.6	135.2	138.6	141.4	143.9	146.3	149.1	151.5	158.3
27.5°	138.6	143.1	147.4	151.3	155.1	158.3	160.9	163.3	166.3	169.0	176.4
30°	153.6	158.7	163.2	167.5	171.4	175.1	177.9	180.3	183.5	186.4	194.4
32.5°	167.9	173.4	178.4	182.9	187.0	190.8	193.9	196.5	199.9	203.3	211.7
35°	181.4	187.2	192.7	197.8	202.4	206.5	209.8	212.5	216.3	220.2	228.8
37.5°	194.9	200.8	206.4	211.7	216.8	220.8	224.3	227.1	231.0	235.5	244.6
40°	207.3	213.8	219.7	225.2	230.4	234.8	238.6	241.5	245.7	250.7	260.4
42.5°	219.4	226.1	232.4	238.3	243.6	248.4	252.1	255.3	259.6	264.9	275.0
45°	230.5	237.5	244.2	250.5	256.6	261.9	265.4	269.0	273.5	279.1	289.7
47.5°	241.7	248.8	255.6	262.2	268.5	274.3	277.7	281.3	285.8	291.6	302.7
50°	252.1	259.8	266.9	273.7	280.1	286.3	289.9	293.6	298.1	304.1	315.7
52.5°	262.3	270.1	277.4	284.2	290.6	296.8	301.1	304.9	309.4	315.6	328.4
55°	271.0	279.1	286.8	294.2	300.7	307.1	312.0	316.1	320.7	327.0	341.2
57.5°	279.7	287.8	295.8	302.8	309.6	316.1	321.2	325.3	329.8	336.8	351.0
60°	287.3	296.0	304.9	310.9	318.0	324.8	330.2	334.4	339.0	346.6	360.7
62.5°	294.4	303.4	311.9	318.6	325.7	332.4	337.9	342.6	347.5	354.8	369.7
65°	300.1	309.7	318.2	325.8	333.3	340.0	345.4	350.7	356.0	363.0	378.7
67.5°	305.6	315.4	324.0	331.6	339.2	346.2	352.2	357.0	362.0	369.6	384.6
70°	310.5	320.4	329.3	337.0	344.7	352.1	359.0	363.3	367.9	376.1	390.3
72.5°	314.7	324.6	333.7	341.7	349.4	357.1	363.4	368.2	372.7	381.0	396.0
75°	317.7	328.2	337.7	346.2	354.0	362.2	367.7	373.0	377.5	385.9	402.2
77.5°	320.2	330.8	340.5	349.3	356.6	365.0	370.9	376.2	380.6	389.2	405.5
80°	322.3	333.1	342.8	352.3	359.0	367.6	374.0	379.4	383.8	392.4	408.8
82.5°	323.7	334.5	344.7	353.5	361.0	369.2	375.6	381.0	385.4	394.6	410.9
85°	324.9	335.8	346.6	354.4	363.0	370.7	377.2	382.6	387.0	396.8	413.1
87.5°	324.9	336.3	346.7	354.9	363.0	371.2	377.8	383.2	387.6	396.8	413.6
90°	324.8	336.8	346.6	355.4	363.0	371.7	378.3	383.7	388.1	396.8	414.2
92.5°	324.9	336.3	346.7	354.9	363.0	371.2	377.8	383.2	387.6	396.8	413.6
95°	324.9	335.8	346.6	354.4	363.0	370.7	377.2	382.6	387.0	396.8	413.1
97.5°	323.7	334.5	344.7	353.5	361.0	369.2	375.6	381.0	385.4	394.6	410.9
100°	322.3	333.1	342.8	352.3	359.0	367.6	374.0	379.4	383.8	392.4	408.8
102.5°	320.2	330.8	340.5	349.3	356.6	365.0	370.9	376.2	380.6	389.2	405.5
105°	317.7	328.2	337.7	346.2	354.0	362.2	367.7	373.0	377.5	385.9	402.2
107.5°	314.7	324.6	333.7	341.7	349.4	357.1	363.4	368.2	372.7	381.0	396.0
110°	310.5	320.4	329.3	337.0	344.7	352.1	359.0	363.3	367.9	376.1	390.3



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	305.6	315.4	324.0	331.6	339.2	346.2	352.2	357.0	362.0	369.6	384.6
115°	300.1	309.7	318.2	325.8	333.3	340.0	345.4	350.7	356.0	363.0	378.7
117.5°	294.4	303.4	311.9	318.6	325.7	332.4	337.9	342.6	347.5	354.8	369.7
120°	287.3	296.0	304.9	310.9	318.0	324.8	330.2	334.4	339.0	346.6	360.7
122.5°	279.7	287.8	295.8	302.8	309.6	316.1	321.2	325.3	329.8	336.8	351.0
125°	271.0	279.1	286.8	294.2	300.7	307.1	312.0	316.1	320.7	327.0	341.2
127.5°	262.3	270.1	277.4	284.2	290.6	296.8	301.1	304.9	309.4	315.6	328.4
130°	252.1	259.8	266.9	273.7	280.1	286.3	289.9	293.6	298.1	304.1	315.7
132.5°	241.7	248.8	255.6	262.2	268.5	274.3	277.7	281.3	285.8	291.6	302.7
135°	230.5	237.5	244.2	250.5	256.6	261.9	265.4	269.0	273.5	279.1	289.7
137.5°	219.4	226.1	232.4	238.3	243.6	248.4	252.1	255.3	259.6	264.9	275.0
140°	207.3	213.8	219.7	225.2	230.4	234.8	238.6	241.5	245.7	250.7	260.4
142.5°	194.9	200.8	206.4	211.7	216.8	220.8	224.3	227.1	231.0	235.5	244.6
145°	181.4	187.2	192.7	197.8	202.4	206.5	209.8	212.5	216.3	220.2	228.8
147.5°	167.9	173.4	178.4	182.9	187.0	190.8	193.9	196.5	199.9	203.3	211.7
150°	153.6	158.7	163.2	167.5	171.4	175.1	177.9	180.3	183.5	186.4	194.4
152.5°	138.6	143.1	147.4	151.3	155.1	158.3	160.9	163.3	166.3	169.0	176.4
155°	123.8	127.8	131.6	135.2	138.6	141.4	143.9	146.3	149.1	151.5	158.3
157.5°	108.9	112.4	115.7	118.8	121.7	124.1	126.4	128.7	131.0	133.0	138.9
160°	93.4	96.6	99.5	102.3	104.6	106.9	108.9	111.0	112.9	114.5	119.6
162.5°	77.7	80.5	83.1	85.4	87.4	89.2	90.9	92.8	94.5	96.0	100.3
165°	62.7	65.0	66.9	68.6	70.1	71.5	73.2	74.8	76.2	77.4	81.0
167.5°	48.0	49.7	51.3	52.7	54.0	55.4	56.7	58.0	59.0	60.0	62.9
170°	34.1	35.3	36.3	37.4	38.4	39.4	40.3	41.1	41.9	42.5	44.9
172.5°	22.3	23.2	23.9	24.7	25.4	26.0	26.6	27.1	27.5	27.8	29.5
175°	11.3	11.6	11.9	12.1	12.3	12.5	12.7	12.9	13.0	13.1	14.2
177.5°	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.5	6.6	7.1
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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	7.7	8.2	8.7	9.2	9.7	10.2	10.6	11.1	11.5	11.9	12.2
5°	15.3	16.4	17.4	18.5	19.4	20.4	21.3	22.1	22.9	23.7	24.5
7.5°	31.2	32.8	34.2	35.6	36.8	38.0	39.5	42.6	45.6	48.4	51.1
10°	47.2	49.4	51.4	53.3	55.6	59.8	63.9	67.8	71.6	75.2	78.9
12.5°	65.8	68.4	70.9	74.4	79.9	85.1	90.1	94.8	100.6	107.5	114.2
15°	84.4	87.5	91.0	98.2	105.0	111.6	118.0	126.2	134.2	141.9	150.6
17.5°	104.3	108.1	115.0	123.2	131.2	139.5	149.2	158.4	167.1	177.7	189.0
20°	124.4	129.2	139.0	148.4	157.8	169.9	181.5	192.5	205.1	217.4	229.6
22.5°	144.5	152.1	163.0	173.6	186.2	199.4	212.5	227.2	241.1	254.7	269.8
25°	164.7	174.8	186.9	199.2	213.1	226.8	243.9	261.2	277.9	295.0	311.4
27.5°	183.5	195.4	208.2	223.3	239.2	256.6	276.4	296.0	315.8	334.5	352.4
30°	202.1	215.4	228.7	247.7	267.3	287.0	307.6	330.0	352.0	372.7	392.3
32.5°	220.6	235.2	251.3	272.1	293.4	315.9	339.4	364.3	388.6	411.7	433.4
35°	239.1	255.0	274.0	296.0	320.1	345.7	371.0	397.1	422.8	447.9	472.0
37.5°	256.5	273.5	295.3	318.9	346.0	373.2	401.1	428.8	457.8	483.2	509.5
40°	273.7	291.7	316.1	342.4	371.5	400.3	429.3	459.2	489.0	518.4	546.5
42.5°	289.7	308.7	335.7	364.5	394.9	425.9	457.3	489.7	521.9	552.7	581.9
45°	305.4	326.4	355.1	385.4	417.3	451.0	484.3	518.1	552.4	584.2	615.0
47.5°	319.7	342.8	372.7	405.0	439.7	475.8	510.2	545.9	580.9	615.8	646.0
50°	333.9	358.8	389.8	424.1	462.1	499.7	535.4	572.1	607.6	642.2	676.1
52.5°	348.0	374.2	406.0	441.5	481.9	521.0	559.0	596.7	633.5	669.7	705.2
55°	362.0	389.1	421.6	458.4	499.3	539.9	580.1	619.2	657.6	696.5	733.1
57.5°	373.5	401.9	435.3	473.6	516.2	559.0	600.4	640.7	681.6	722.3	760.0
60°	384.9	414.1	448.2	488.2	533.1	578.0	619.2	659.8	703.0	743.6	781.4
62.5°	393.4	424.2	460.7	502.7	548.3	593.4	636.2	678.1	723.4	762.5	802.1
65°	401.4	434.1	473.1	516.7	561.6	606.4	651.8	696.3	740.7	781.7	822.5
67.5°	408.8	442.5	483.4	527.7	573.4	619.7	666.3	712.1	756.5	801.3	841.2
70°	416.1	450.5	493.3	537.4	584.7	632.6	678.7	725.1	771.0	814.7	857.1
72.5°	421.9	457.6	501.3	545.8	594.1	642.3	689.2	737.5	783.3	827.7	871.3
75°	427.5	464.4	508.7	553.7	602.2	649.9	698.7	748.4	793.5	838.4	882.8
77.5°	431.4	469.1	513.2	559.2	608.1	656.4	706.1	756.1	801.5	847.5	893.3
80°	436.0	473.4	517.1	564.0	613.1	662.2	711.6	761.1	807.2	855.2	899.8
82.5°	438.7	477.9	522.6	567.9	618.3	667.0	716.1	766.8	813.0	861.5	904.5
85°	441.5	480.7	525.3	572.2	624.4	672.4	721.4	774.5	818.4	866.2	907.9
87.5°	442.0	480.7	524.9	574.4	625.1	673.1	723.1	773.5	820.3	867.8	910.7
90°	442.6	480.7	524.3	576.6	625.7	673.7	724.9	771.8	819.7	866.6	911.3
92.5°	442.0	480.7	524.9	574.4	625.1	673.1	723.1	773.5	820.3	867.8	910.7
95°	441.5	480.7	525.3	572.2	624.4	672.4	721.4	774.5	818.4	866.2	907.9
97.5°	438.7	477.9	522.6	567.9	618.3	667.0	716.1	766.8	813.0	861.5	904.5
100°	436.0	473.4	517.1	564.0	613.1	662.2	711.6	761.1	807.2	855.2	899.8
102.5°	431.4	469.1	513.2	559.2	608.1	656.4	706.1	756.1	801.5	847.5	893.3
105°	427.5	464.4	508.7	553.7	602.2	649.9	698.7	748.4	793.5	838.4	882.8
107.5°	421.9	457.6	501.3	545.8	594.1	642.3	689.2	737.5	783.3	827.7	871.3
110°	416.1	450.5	493.3	537.4	584.7	632.6	678.7	725.1	771.0	814.7	857.1



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	408.8	442.5	483.4	527.7	573.4	619.7	666.3	712.1	756.5	801.3	841.2
115°	401.4	434.1	473.1	516.7	561.6	606.4	651.8	696.3	740.7	781.7	822.5
117.5°	393.4	424.2	460.7	502.7	548.3	593.4	636.2	678.1	723.4	762.5	802.1
120°	384.9	414.1	448.2	488.2	533.1	578.0	619.2	659.8	703.0	743.6	781.4
122.5°	373.5	401.9	435.3	473.6	516.2	559.0	600.4	640.7	681.6	722.3	760.0
125°	362.0	389.1	421.6	458.4	499.3	539.9	580.1	619.2	657.6	696.5	733.1
127.5°	348.0	374.2	406.0	441.5	481.9	521.0	559.0	596.7	633.5	669.7	705.2
130°	333.9	358.8	389.8	424.1	462.1	499.7	535.4	572.1	607.6	642.2	676.1
132.5°	319.7	342.8	372.7	405.0	439.7	475.8	510.2	545.9	580.9	615.8	646.0
135°	305.4	326.4	355.1	385.4	417.3	451.0	484.3	518.1	552.4	584.2	615.0
137.5°	289.7	308.7	335.7	364.5	394.9	425.9	457.3	489.7	521.9	552.7	581.9
140°	273.7	291.7	316.1	342.4	371.5	400.3	429.3	459.2	489.0	518.4	546.5
142.5°	256.5	273.5	295.3	318.9	346.0	373.2	401.1	428.8	457.8	483.2	509.5
145°	239.1	255.0	274.0	296.0	320.1	345.7	371.0	397.1	422.8	447.9	472.0
147.5°	220.6	235.2	251.3	272.1	293.4	315.9	339.4	364.3	388.6	411.7	433.4
150°	202.1	215.4	228.7	247.7	267.3	287.0	307.6	330.0	352.0	372.7	392.3
152.5°	183.5	195.4	208.2	223.3	239.2	256.6	276.4	296.0	315.8	334.5	352.4
155°	164.7	174.8	186.9	199.2	213.1	226.8	243.9	261.2	277.9	295.0	311.4
157.5°	144.5	152.1	163.0	173.6	186.2	199.4	212.5	227.2	241.1	254.7	269.8
160°	124.4	129.2	139.0	148.4	157.8	169.9	181.5	192.5	205.1	217.4	229.6
162.5°	104.3	108.1	115.0	123.2	131.2	139.5	149.2	158.4	167.1	177.7	189.0
165°	84.4	87.5	91.0	98.2	105.0	111.6	118.0	126.2	134.2	141.9	150.6
167.5°	65.8	68.4	70.9	74.4	79.9	85.1	90.1	94.8	100.6	107.5	114.2
170°	47.2	49.4	51.4	53.3	55.6	59.8	63.9	67.8	71.6	75.2	78.9
172.5°	31.2	32.8	34.2	35.6	36.8	38.0	39.5	42.6	45.6	48.4	51.1
175°	15.3	16.4	17.4	18.5	19.4	20.4	21.3	22.1	22.9	23.7	24.5
177.5°	7.7	8.2	8.7	9.2	9.7	10.2	10.6	11.1	11.5	11.9	12.2
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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	12.6	12.9	13.2	13.4	13.7	13.9	14.1	14.2	14.4	14.5	14.6
5°	26.6	28.6	30.5	32.4	34.1	35.8	37.3	38.7	40.0	41.2	42.2
7.5°	53.7	56.2	58.5	60.6	62.8	65.6	67.6	70.7	73.4	75.9	78.2
10°	84.0	89.1	93.8	98.2	102.2	105.9	109.2	112.4	115.7	118.8	121.6
12.5°	120.7	127.0	133.0	138.6	143.9	149.1	153.9	158.5	162.8	167.5	171.9
15°	158.3	166.7	174.3	181.1	187.4	194.3	200.8	207.4	213.9	219.8	225.2
17.5°	200.0	211.7	219.9	229.1	237.7	245.9	253.9	261.7	268.9	275.4	281.7
20°	242.2	254.3	265.7	276.8	287.7	298.1	307.8	316.6	324.3	331.4	337.8
22.5°	284.3	298.4	313.0	326.6	339.5	349.6	359.2	368.0	377.2	386.4	394.3
25°	328.1	344.9	363.7	375.7	388.2	399.9	412.3	423.9	434.5	443.8	452.0
27.5°	370.2	388.0	405.4	421.6	437.9	453.4	469.7	479.2	489.9	499.7	508.3
30°	411.7	431.3	450.8	470.8	489.3	504.6	518.3	531.4	543.4	553.9	564.5
32.5°	454.4	476.0	498.4	519.4	536.4	552.0	567.5	582.0	595.4	606.5	616.5
35°	495.7	520.3	542.6	561.7	580.3	598.8	616.0	632.5	647.0	658.9	669.4
37.5°	535.8	560.7	582.7	604.1	625.6	645.1	663.4	681.2	696.4	710.8	720.0
40°	573.8	599.2	623.4	647.0	668.8	688.3	707.5	726.3	742.7	757.1	769.2
42.5°	609.8	636.8	662.8	687.7	711.0	731.6	751.9	771.4	791.0	802.8	815.5
45°	644.7	672.6	699.9	726.6	750.3	772.0	793.4	813.5	830.4	845.3	858.5
47.5°	677.1	707.0	736.0	763.2	787.5	811.3	833.2	852.3	870.7	886.5	900.3
50°	709.1	740.3	770.1	797.7	824.1	849.3	870.3	891.0	912.2	926.4	941.3
52.5°	739.6	771.5	802.2	831.6	860.5	884.4	906.8	929.6	947.1	963.5	978.6
55°	768.1	801.0	833.8	862.7	891.7	919.4	940.8	962.1	981.6	997.5	1013.8
57.5°	794.5	828.1	860.8	892.7	921.4	947.5	971.7	994.4	1013.9	1030.7	1047.2
60°	819.3	854.4	887.7	918.9	948.2	975.9	1001.4	1023.9	1043.9	1061.5	1078.3
62.5°	841.0	877.1	911.6	943.4	974.4	1002.5	1027.9	1051.2	1071.6	1090.9	1107.7
65°	861.4	898.1	932.9	965.6	996.9	1026.3	1051.8	1076.0	1098.3	1118.6	1135.3
67.5°	880.0	916.8	952.6	985.9	1017.4	1047.1	1074.3	1099.7	1123.0	1142.1	1160.1
70°	896.2	934.2	971.1	1005.1	1037.4	1066.7	1094.4	1120.1	1142.7	1162.8	1183.7
72.5°	910.8	949.9	986.0	1021.3	1053.7	1085.0	1112.0	1137.7	1160.7	1182.7	1202.3
75°	923.9	962.3	999.1	1034.5	1066.6	1097.8	1127.0	1152.9	1177.0	1200.2	1218.5
77.5°	934.7	972.6	1009.9	1045.2	1078.2	1109.7	1138.8	1165.3	1189.6	1212.1	1231.7
80°	942.3	980.3	1018.4	1054.5	1088.1	1119.1	1147.8	1175.7	1201.1	1222.6	1242.2
82.5°	948.3	986.1	1025.3	1062.2	1095.9	1126.3	1154.4	1182.3	1207.8	1230.0	1249.8
85°	951.4	990.2	1029.4	1064.9	1098.0	1130.4	1158.8	1186.0	1211.4	1234.4	1254.3
87.5°	952.9	993.1	1032.3	1067.2	1101.0	1133.7	1162.3	1188.2	1214.1	1237.1	1258.0
90°	951.6	993.1	1032.3	1067.2	1103.2	1133.7	1163.1	1188.2	1213.3	1236.1	1259.0
92.5°	952.9	993.1	1032.3	1067.2	1101.0	1133.7	1162.3	1188.2	1214.1	1237.1	1258.0
95°	951.4	990.2	1029.4	1064.9	1098.0	1130.4	1158.8	1186.0	1211.4	1234.4	1254.3
97.5°	948.3	986.1	1025.3	1062.2	1095.9	1126.3	1154.4	1182.3	1207.8	1230.0	1249.8
100°	942.3	980.3	1018.4	1054.5	1088.1	1119.1	1147.8	1175.7	1201.1	1222.6	1242.2
102.5°	934.7	972.6	1009.9	1045.2	1078.2	1109.7	1138.8	1165.3	1189.6	1212.1	1231.7
105°	923.9	962.3	999.1	1034.5	1066.6	1097.8	1127.0	1152.9	1177.0	1200.2	1218.5
107.5°	910.8	949.9	986.0	1021.3	1053.7	1085.0	1112.0	1137.7	1160.7	1182.7	1202.3
110°	896.2	934.2	971.1	1005.1	1037.4	1066.7	1094.4	1120.1	1142.7	1162.8	1183.7



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	880.0	916.8	952.6	985.9	1017.4	1047.1	1074.3	1099.7	1123.0	1142.1	1160.1
115°	861.4	898.1	932.9	965.6	996.9	1026.3	1051.8	1076.0	1098.3	1118.6	1135.3
117.5°	841.0	877.1	911.6	943.4	974.4	1002.5	1027.9	1051.2	1071.6	1090.9	1107.7
120°	819.3	854.4	887.7	918.9	948.2	975.9	1001.4	1023.9	1043.9	1061.5	1078.3
122.5°	794.5	828.1	860.8	892.7	921.4	947.5	971.7	994.4	1013.9	1030.7	1047.2
125°	768.1	801.0	833.8	862.7	891.7	919.4	940.8	962.1	981.6	997.5	1013.8
127.5°	739.6	771.5	802.2	831.6	860.5	884.4	906.8	929.6	947.1	963.5	978.6
130°	709.1	740.3	770.1	797.7	824.1	849.3	870.3	891.0	912.2	926.4	941.3
132.5°	677.1	707.0	736.0	763.2	787.5	811.3	833.2	852.3	870.7	886.5	900.3
135°	644.7	672.6	699.9	726.6	750.3	772.0	793.4	813.5	830.4	845.3	858.5
137.5°	609.8	636.8	662.8	687.7	711.0	731.6	751.9	771.4	791.0	802.8	815.5
140°	573.8	599.2	623.4	647.0	668.8	688.3	707.5	726.3	742.7	757.1	769.2
142.5°	535.8	560.7	582.7	604.1	625.6	645.1	663.4	681.2	696.4	710.8	720.0
145°	495.7	520.3	542.6	561.7	580.3	598.8	616.0	632.5	647.0	658.9	669.4
147.5°	454.4	476.0	498.4	519.4	536.4	552.0	567.5	582.0	595.4	606.5	616.5
150°	411.7	431.3	450.8	470.8	489.3	504.6	518.3	531.4	543.4	553.9	564.5
152.5°	370.2	388.0	405.4	421.6	437.9	453.4	469.7	479.2	489.9	499.7	508.3
155°	328.1	344.9	363.7	375.7	388.2	399.9	412.3	423.9	434.5	443.8	452.0
157.5°	284.3	298.4	313.0	326.6	339.5	349.6	359.2	368.0	377.2	386.4	394.3
160°	242.2	254.3	265.7	276.8	287.7	298.1	307.8	316.6	324.3	331.4	337.8
162.5°	200.0	211.7	219.9	229.1	237.7	245.9	253.9	261.7	268.9	275.4	281.7
165°	158.3	166.7	174.3	181.1	187.4	194.3	200.8	207.4	213.9	219.8	225.2
167.5°	120.7	127.0	133.0	138.6	143.9	149.1	153.9	158.5	162.8	167.5	171.9
170°	84.0	89.1	93.8	98.2	102.2	105.9	109.2	112.4	115.7	118.8	121.6
172.5°	53.7	56.2	58.5	60.6	62.8	65.6	67.6	70.7	73.4	75.9	78.2
175°	26.6	28.6	30.5	32.4	34.1	35.8	37.3	38.7	40.0	41.2	42.2
177.5°	12.6	12.9	13.2	13.4	13.7	13.9	14.1	14.2	14.4	14.5	14.6
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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	14.6	14.6	14.6	14.6	14.6	14.5	14.8	14.5	14.2	14.0	13.7
5°	43.2	44.0	44.7	45.3	45.7	46.0	46.2	46.3	47.2	46.6	45.9
7.5°	80.2	82.1	83.7	85.1	86.3	87.3	88.0	88.5	88.7	89.8	88.9
10°	123.8	127.4	130.6	133.5	136.0	138.2	140.0	141.5	142.5	145.1	144.3
12.5°	175.8	179.1	181.9	184.6	187.5	189.8	191.4	192.5	193.0	193.0	193.3
15°	230.3	234.5	238.1	240.9	243.0	245.6	248.4	250.5	252.1	253.0	254.7
17.5°	287.4	292.2	296.4	299.9	302.7	304.9	307.2	309.8	311.7	312.7	314.5
20°	343.5	349.0	354.1	358.2	361.4	363.8	365.2	367.0	369.1	370.3	372.4
22.5°	401.0	406.4	411.0	416.0	420.0	423.0	424.8	425.6	427.6	428.9	431.2
25°	459.3	465.7	471.0	475.2	479.3	482.3	484.0	484.5	485.2	487.6	489.0
27.5°	515.8	522.8	528.9	533.5	536.1	539.1	540.7	541.1	540.3	542.0	542.8
30°	570.6	576.8	582.8	587.6	591.2	593.6	596.0	597.2	597.1	597.4	598.1
32.5°	624.6	631.3	636.0	641.9	646.2	649.0	651.0	652.1	651.7	650.4	652.0
35°	678.5	685.6	691.6	696.8	701.4	703.9	705.1	705.3	703.9	700.8	702.0
37.5°	729.5	737.7	744.8	749.7	752.9	755.6	756.1	755.1	754.1	751.9	752.1
40°	779.6	789.5	796.7	801.0	804.0	805.3	805.3	804.0	802.9	800.1	798.9
42.5°	826.8	836.3	844.0	848.3	851.1	853.2	853.9	853.2	851.6	849.5	847.3
45°	870.8	881.9	888.9	893.6	897.8	901.9	900.2	899.2	896.5	894.2	890.2
47.5°	913.9	925.9	933.5	939.1	942.5	944.3	944.7	943.9	941.6	939.0	934.9
50°	958.6	971.3	975.8	981.6	985.2	987.3	988.2	986.4	983.1	980.1	979.4
52.5°	994.6	1005.6	1013.9	1021.5	1026.6	1028.5	1028.6	1026.0	1023.2	1020.4	1021.2
55°	1029.0	1039.8	1049.7	1058.4	1064.6	1067.4	1067.8	1065.3	1061.8	1058.2	1056.8
57.5°	1061.2	1072.2	1082.2	1093.0	1101.3	1104.3	1104.6	1102.4	1098.9	1094.8	1091.9
60°	1092.7	1104.5	1114.9	1125.6	1134.2	1138.2	1139.9	1136.3	1133.2	1128.7	1125.1
62.5°	1122.3	1134.3	1145.2	1156.8	1163.0	1168.2	1170.8	1168.8	1164.6	1159.5	1155.7
65°	1150.5	1162.5	1173.2	1181.6	1189.3	1195.7	1199.1	1197.5	1194.9	1189.0	1184.3
67.5°	1177.0	1188.8	1198.6	1207.2	1215.2	1219.9	1224.4	1225.6	1222.5	1216.3	1211.6
70°	1198.8	1211.9	1222.3	1230.8	1237.1	1241.8	1245.9	1248.8	1245.6	1240.1	1234.9
72.5°	1218.4	1233.0	1243.2	1251.8	1257.0	1260.5	1264.6	1267.3	1267.0	1262.3	1255.1
75°	1235.4	1249.9	1260.9	1270.5	1275.7	1277.7	1278.9	1281.3	1283.6	1281.5	1274.4
77.5°	1249.1	1263.6	1275.5	1285.1	1291.1	1294.1	1293.9	1293.1	1294.6	1295.8	1290.8
80°	1260.0	1274.3	1286.7	1297.1	1303.1	1307.6	1308.6	1305.4	1301.6	1304.8	1304.1
82.5°	1267.5	1282.8	1294.6	1304.0	1311.0	1315.3	1317.4	1316.7	1312.3	1306.3	1311.2
85°	1272.6	1287.2	1299.6	1308.8	1315.4	1319.5	1320.9	1320.8	1319.1	1314.7	1308.4
87.5°	1275.4	1289.0	1301.1	1310.2	1316.9	1319.6	1321.9	1321.6	1319.2	1315.3	1312.4
90°	1274.3	1288.5	1299.4	1309.2	1315.7	1317.9	1319.0	1317.9	1314.6	1310.3	1303.7
92.5°	1275.4	1289.0	1301.1	1310.2	1316.9	1319.6	1321.9	1321.6	1319.2	1315.3	1312.4
95°	1272.6	1287.2	1299.6	1308.8	1315.4	1319.5	1320.9	1320.8	1319.1	1314.7	1308.4
97.5°	1267.5	1282.8	1294.6	1304.0	1311.0	1315.3	1317.4	1316.7	1312.3	1306.3	1311.2
100°	1260.0	1274.3	1286.7	1297.1	1303.1	1307.6	1308.6	1305.4	1301.6	1304.8	1304.1
102.5°	1249.1	1263.6	1275.5	1285.1	1291.1	1294.1	1293.9	1293.1	1294.6	1295.8	1290.8
105°	1235.4	1249.9	1260.9	1270.5	1275.7	1277.7	1278.9	1281.3	1283.6	1281.5	1274.4
107.5°	1218.4	1233.0	1243.2	1251.8	1257.0	1260.5	1264.6	1267.3	1267.0	1262.3	1255.1
110°	1198.8	1211.9	1222.3	1230.8	1237.1	1241.8	1245.9	1248.8	1245.6	1240.1	1234.9



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1177.0	1188.8	1198.6	1207.2	1215.2	1219.9	1224.4	1225.6	1222.5	1216.3	1211.6
115°	1150.5	1162.5	1173.2	1181.6	1189.3	1195.7	1199.1	1197.5	1194.9	1189.0	1184.3
117.5°	1122.3	1134.3	1145.2	1156.8	1163.0	1168.2	1170.8	1168.8	1164.6	1159.5	1155.7
120°	1092.7	1104.5	1114.9	1125.6	1134.2	1138.2	1139.9	1136.3	1133.2	1128.7	1125.1
122.5°	1061.2	1072.2	1082.2	1093.0	1101.3	1104.3	1104.6	1102.4	1098.9	1094.8	1091.9
125°	1029.0	1039.8	1049.7	1058.4	1064.6	1067.4	1067.8	1065.3	1061.8	1058.2	1056.8
127.5°	994.6	1005.6	1013.9	1021.5	1026.6	1028.5	1028.6	1026.0	1023.2	1020.4	1021.2
130°	958.6	971.3	975.8	981.6	985.2	987.3	988.2	986.4	983.1	980.1	979.4
132.5°	913.9	925.9	933.5	939.1	942.5	944.3	944.7	943.9	941.6	939.0	934.9
135°	870.8	881.9	888.9	893.6	897.8	901.9	900.2	899.2	896.5	894.2	890.2
137.5°	826.8	836.3	844.0	848.3	851.1	853.2	853.9	853.2	851.6	849.5	847.3
140°	779.6	789.5	796.7	801.0	804.0	805.3	805.3	804.0	802.9	800.1	798.9
142.5°	729.5	737.7	744.8	749.7	752.9	755.6	756.1	755.1	754.1	751.9	752.1
145°	678.5	685.6	691.6	696.8	701.4	703.9	705.1	705.3	703.9	700.8	702.0
147.5°	624.6	631.3	636.0	641.9	646.2	649.0	651.0	652.1	651.7	650.4	652.0
150°	570.6	576.8	582.8	587.6	591.2	593.6	596.0	597.2	597.1	597.4	598.1
152.5°	515.8	522.8	528.9	533.5	536.1	539.1	540.7	541.1	540.3	542.0	542.8
155°	459.3	465.7	471.0	475.2	479.3	482.3	484.0	484.5	485.2	487.6	489.0
157.5°	401.0	406.4	411.0	416.0	420.0	423.0	424.8	425.6	427.6	428.9	431.2
160°	343.5	349.0	354.1	358.2	361.4	363.8	365.2	367.0	369.1	370.3	372.4
162.5°	287.4	292.2	296.4	299.9	302.7	304.9	307.2	309.8	311.7	312.7	314.5
165°	230.3	234.5	238.1	240.9	243.0	245.6	248.4	250.5	252.1	253.0	254.7
167.5°	175.8	179.1	181.9	184.6	187.5	189.8	191.4	192.5	193.0	193.0	193.3
170°	123.8	127.4	130.6	133.5	136.0	138.2	140.0	141.5	142.5	145.1	144.3
172.5°	80.2	82.1	83.7	85.1	86.3	87.3	88.0	88.5	88.7	89.8	88.9
175°	43.2	44.0	44.7	45.3	45.7	46.0	46.2	46.3	47.2	46.6	45.9
177.5°	14.6	14.6	14.6	14.6	14.6	14.5	14.8	14.5	14.2	14.0	13.7
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: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.0	0.0
2.5°	13.4	13.1
5°	45.3	44.7
7.5°	88.1	87.2
10°	143.6	142.8
12.5°	191.5	189.7
15°	253.3	251.8
17.5°	312.6	310.7
20°	370.4	368.4
22.5°	428.7	426.2
25°	489.9	488.4
27.5°	543.0	540.7
30°	598.0	595.2
32.5°	652.9	650.8
35°	703.5	702.0
37.5°	753.8	752.2
40°	802.3	802.3
42.5°	850.8	850.3
45°	895.5	897.1
47.5°	938.0	938.6
50°	981.3	980.0
52.5°	1022.1	1019.2
55°	1057.7	1058.5
57.5°	1093.0	1095.5
60°	1126.1	1127.1
62.5°	1157.4	1160.9
65°	1187.8	1186.0
67.5°	1213.0	1214.3
70°	1236.1	1238.3
72.5°	1256.4	1257.9
75°	1274.2	1277.6
77.5°	1288.4	1293.9
80°	1300.4	1307.0
82.5°	1311.2	1316.8
85°	1318.9	1324.4
87.5°	1309.9	1328.8
90°	1302.6	1315.7
92.5°	1309.9	1328.8
95°	1318.9	1324.4
97.5°	1311.2	1316.8
100°	1300.4	1307.0
102.5°	1288.4	1293.9
105°	1274.2	1277.6
107.5°	1256.4	1257.9
110°	1236.1	1238.3



TEST NUMBER: P232003

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PFS125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1213.0	1214.3
115°	1187.8	1186.0
117.5°	1157.4	1160.9
120°	1126.1	1127.1
122.5°	1093.0	1095.5
125°	1057.7	1058.5
127.5°	1022.1	1019.2
130°	981.3	980.0
132.5°	938.0	938.6
135°	895.5	897.1
137.5°	850.8	850.3
140°	802.3	802.3
142.5°	753.8	752.2
145°	703.5	702.0
147.5°	652.9	650.8
150°	598.0	595.2
152.5°	543.0	540.7
155°	489.9	488.4
157.5°	428.7	426.2
160°	370.4	368.4
162.5°	312.6	310.7
165°	253.3	251.8
167.5°	191.5	189.7
170°	143.6	142.8
172.5°	88.1	87.2
175°	45.3	44.7
177.5°	13.4	13.1
180°	0.0	0.0

(END OF REPORT)