

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: P232027

Luminaire Tested: **FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-23)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH P125 LENS
Light Source: (84) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

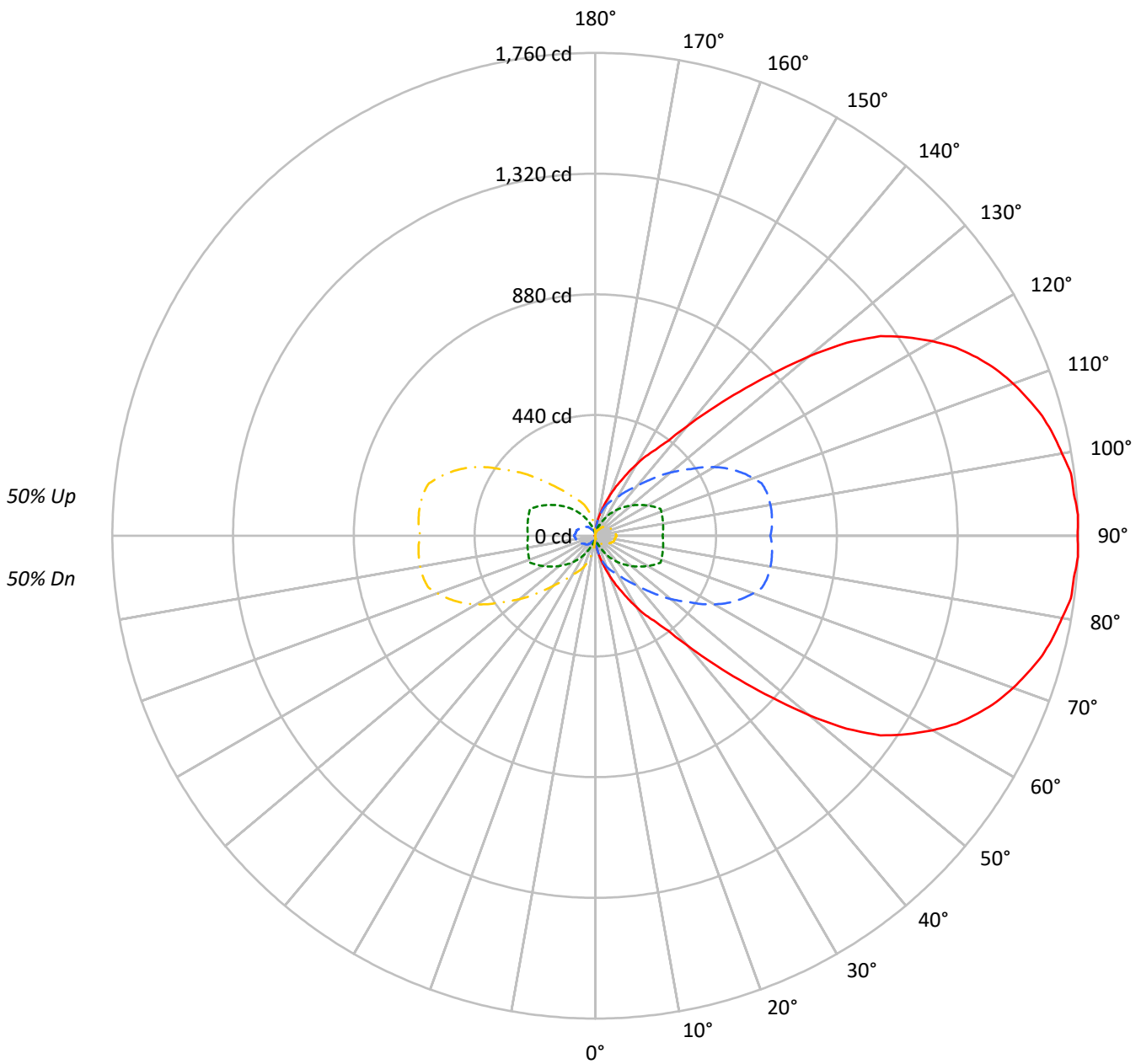
Lumens per Lamp: N/A
Luminaire Lumens: 4189.1 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 36.3
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



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	84	77	71	83	76	71	65	63	58	54	50	47	44	39	36	34	28
2	80	69	60	53	73	63	55	48	51	45	40	40	36	31	30	27	23	18
3	72	59	49	41	65	53	45	37	43	36	30	34	28	24	25	21	17	12
4	64	51	41	33	58	46	37	30	37	30	24	29	23	18	21	17	13	9
5	59	44	34	27	53	40	31	24	32	25	20	25	19	15	18	14	10	7
6	54	39	29	22	48	35	27	20	29	22	16	22	17	12	16	12	8	5
7	49	35	26	19	44	32	23	17	26	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	13	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	15	10	16	11	8	12	8	5	3
10	39	26	18	12	36	24	16	11	19	13	9	15	10	7	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	0	0	0	0
5°	564	190	0	190
10°	1010	381	0	381
15°	1489	576	0	576
20°	2089	782	0	782
25°	2704	1140	0	1140
30°	3484	1672	0	1672
35°	4242	2262	0	2262
40°	5593	2928	0	2928
45°	7748	3701	0	3701
50°	10439	4660	0	4660
55°	12881	5836	0	5836
60°	14363	7321	0	7321
65°	15637	9278	0	9278
70°	16718	11377	11	11377
75°	17760	13755	12	13755
80°	18724	17669	0	17669
85°	19718	25165	0	25165



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.0
10°-20°	14.5	0.3
20°-30°	40.8	1.0
30°-40°	88.4	2.1
40°-50°	171.9	4.1
50°-60°	298.4	7.1
60°-70°	421.6	10.1
70°-80°	507.1	12.1
80°-90°	549.7	13.1
90°-100°	549.7	13.1
100°-110°	507.1	12.1
110°-120°	421.6	10.1
120°-130°	298.4	7.1
130°-140°	171.9	4.1
140°-150°	88.4	2.1
150°-160°	40.8	1.0
160°-170°	14.5	0.3
170°-180°	2.0	0.0
0°-30°	57.4	1.4
0°-40°	145.8	3.5
0°-60°	616.1	14.7
0°-90°	2094.6	50.0
90°-120°	1478.5	35.3
90°-150°	2037.2	48.6
90°-180°	2095.0	50.0
0°-180°	4189.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	33	10	0	10	33	4
15°	106	29	0	29	106	32
25°	221	55	0	55	221	106
35°	383	101	0	101	383	250
45°	742	147	0	147	742	588
55°	1269	196	0	196	1269	1122
65°	1536	245	0	245	1536	1520
75°	1686	253	1	253	1686	1779
85°	1751	248	0	248	1751	1428
90°	1757	245	0	245	1757	964
95°	1751	248	0	248	1751	1428
105°	1686	253	1	253	1686	1779
115°	1536	245	0	245	1536	1520
125°	1269	196	0	196	1269	1122
135°	742	147	0	147	742	588
145°	383	101	0	101	383	250
155°	221	55	0	55	221	106
165°	106	29	0	29	106	32
175°	33	10	0	10	33	4
180°	0	0	0	0	0	



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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°	15.3	15.5	15.7	15.9	16.1	16.3	16.5	16.0	16.0	15.9	15.9
5°	32.7	33.1	33.6	34.0	34.5	34.1	34.1	34.1	34.1	33.9	33.7
7.5°	50.1	50.8	51.5	52.2	52.0	52.3	52.4	52.4	52.3	52.1	51.8
10°	65.4	66.4	67.4	68.3	68.4	68.8	69.1	69.2	69.2	69.1	68.9
12.5°	81.8	83.0	84.2	84.6	85.2	85.7	86.0	86.2	86.1	86.0	85.7
15°	105.7	106.6	107.5	107.2	107.3	107.1	106.7	106.2	105.5	104.6	103.6
17.5°	131.9	132.3	132.7	131.7	131.0	130.1	128.9	127.5	126.0	124.3	122.5
20°	160.2	160.1	160.0	158.0	156.6	154.7	152.6	150.2	147.6	144.7	141.7
22.5°	189.7	189.1	188.5	185.6	183.3	180.7	177.6	174.2	170.4	166.4	162.2
25°	221.3	220.1	217.6	214.9	211.6	207.9	203.7	199.1	194.2	189.0	183.4
27.5°	259.4	257.4	253.8	249.8	245.2	239.8	233.8	227.3	220.2	212.6	205.4
30°	300.8	298.9	294.9	290.4	284.8	278.1	270.4	261.6	251.8	240.9	231.7
32.5°	344.4	343.1	339.3	334.8	328.9	321.6	312.9	302.8	291.2	278.7	265.9
35°	382.6	382.9	380.7	377.7	373.0	366.5	358.2	348.0	335.7	321.9	306.5
37.5°	436.0	437.8	435.8	432.6	427.3	419.7	409.8	397.5	383.2	368.8	351.9
40°	522.1	522.8	517.4	510.7	501.3	489.4	475.1	458.7	441.9	424.0	403.5
42.5°	624.6	623.4	614.3	603.7	589.8	572.9	553.3	531.4	510.0	487.3	463.0
45°	742.3	738.2	724.3	708.7	689.2	666.3	640.4	615.7	585.0	555.8	525.9
47.5°	870.9	865.9	848.8	828.9	803.5	772.7	736.9	699.9	665.0	628.7	594.9
50°	1018.1	1014.1	994.5	970.9	939.5	900.3	853.4	806.5	757.6	706.7	666.6
52.5°	1155.4	1155.2	1138.6	1116.9	1085.8	1045.0	994.4	936.7	868.3	801.5	744.8
55°	1268.8	1270.5	1257.7	1240.9	1216.4	1184.2	1141.4	1073.8	987.1	904.9	828.0
57.5°	1346.2	1348.8	1340.7	1329.8	1313.4	1291.7	1257.1	1185.0	1107.1	1006.3	912.8
60°	1418.1	1420.2	1411.7	1401.0	1385.7	1366.2	1328.9	1268.8	1190.9	1097.7	998.0
62.5°	1483.5	1482.2	1475.7	1464.3	1448.6	1429.0	1391.6	1338.3	1265.8	1178.2	1073.4
65°	1535.8	1533.7	1527.1	1516.5	1502.6	1483.6	1453.3	1412.5	1342.0	1252.2	1145.4
67.5°	1582.7	1580.3	1573.1	1561.4	1545.8	1527.6	1504.9	1471.0	1422.7	1333.3	1219.6
70°	1620.8	1618.5	1611.8	1600.9	1586.2	1566.4	1544.3	1516.3	1477.9	1410.2	1289.3
72.5°	1654.6	1649.8	1641.6	1631.4	1619.3	1598.3	1576.4	1551.0	1514.0	1448.2	1347.8
75°	1686.2	1678.5	1667.1	1655.6	1642.9	1624.2	1601.3	1577.5	1548.1	1485.9	1386.1
77.5°	1709.1	1702.4	1690.6	1679.3	1665.9	1648.7	1624.7	1600.1	1570.8	1523.4	1426.5
80°	1726.6	1722.6	1712.1	1699.9	1685.2	1666.5	1645.0	1621.1	1591.0	1554.6	1459.6
82.5°	1748.4	1737.9	1726.2	1710.2	1697.6	1678.7	1658.2	1634.8	1605.1	1567.0	1487.1
85°	1750.6	1743.0	1737.4	1719.1	1704.8	1685.9	1664.7	1641.5	1611.0	1575.4	1508.0
87.5°	1760.4	1749.8	1738.1	1718.5	1708.0	1688.4	1665.4	1645.0	1612.0	1580.8	1519.7
90°	1757.1	1739.7	1734.2	1718.9	1704.8	1687.3	1662.3	1644.8	1608.9	1581.6	1519.5
92.5°	1760.4	1749.8	1738.1	1718.5	1708.0	1688.4	1665.4	1645.0	1612.0	1580.8	1519.7
95°	1750.6	1743.0	1737.4	1719.1	1704.8	1685.9	1664.7	1641.5	1611.0	1575.4	1508.0
97.5°	1748.4	1737.9	1726.2	1710.2	1697.6	1678.7	1658.2	1634.8	1605.1	1567.0	1487.1
100°	1726.6	1722.6	1712.1	1699.9	1685.2	1666.5	1645.0	1621.1	1591.0	1554.6	1459.6
102.5°	1709.1	1702.4	1690.6	1679.3	1665.9	1648.7	1624.7	1600.1	1570.8	1523.4	1426.5
105°	1686.2	1678.5	1667.1	1655.6	1642.9	1624.2	1601.3	1577.5	1548.1	1485.9	1386.1
107.5°	1654.6	1649.8	1641.6	1631.4	1619.3	1598.3	1576.4	1551.0	1514.0	1448.2	1347.8
110°	1620.8	1618.5	1611.8	1600.9	1586.2	1566.4	1544.3	1516.3	1477.9	1410.2	1289.3



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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°	1582.7	1580.3	1573.1	1561.4	1545.8	1527.6	1504.9	1471.0	1422.7	1333.3	1219.6
115°	1535.8	1533.7	1527.1	1516.5	1502.6	1483.6	1453.3	1412.5	1342.0	1252.2	1145.4
117.5°	1483.5	1482.2	1475.7	1464.3	1448.6	1429.0	1391.6	1338.3	1265.8	1178.2	1073.4
120°	1418.1	1420.2	1411.7	1401.0	1385.7	1366.2	1328.9	1268.8	1190.9	1097.7	998.0
122.5°	1346.2	1348.8	1340.7	1329.8	1313.4	1291.7	1257.1	1185.0	1107.1	1006.3	912.8
125°	1268.8	1270.5	1257.7	1240.9	1216.4	1184.2	1141.4	1073.8	987.1	904.9	828.0
127.5°	1155.4	1155.2	1138.6	1116.9	1085.8	1045.0	994.4	936.7	868.3	801.5	744.8
130°	1018.1	1014.1	994.5	970.9	939.5	900.3	853.4	806.5	757.6	706.7	666.6
132.5°	870.9	865.9	848.8	828.9	803.5	772.7	736.9	699.9	665.0	628.7	594.9
135°	742.3	738.2	724.3	708.7	689.2	666.3	640.4	615.7	585.0	555.8	525.9
137.5°	624.6	623.4	614.3	603.7	589.8	572.9	553.3	531.4	510.0	487.3	463.0
140°	522.1	522.8	517.4	510.7	501.3	489.4	475.1	458.7	441.9	424.0	403.5
142.5°	436.0	437.8	435.8	432.6	427.3	419.7	409.8	397.5	383.2	368.8	351.9
145°	382.6	382.9	380.7	377.7	373.0	366.5	358.2	348.0	335.7	321.9	306.5
147.5°	344.4	343.1	339.3	334.8	328.9	321.6	312.9	302.8	291.2	278.7	265.9
150°	300.8	298.9	294.9	290.4	284.8	278.1	270.4	261.6	251.8	240.9	231.7
152.5°	259.4	257.4	253.8	249.8	245.2	239.8	233.8	227.3	220.2	212.6	205.4
155°	221.3	220.1	217.6	214.9	211.6	207.9	203.7	199.1	194.2	189.0	183.4
157.5°	189.7	189.1	188.5	185.6	183.3	180.7	177.6	174.2	170.4	166.4	162.2
160°	160.2	160.1	160.0	158.0	156.6	154.7	152.6	150.2	147.6	144.7	141.7
162.5°	131.9	132.3	132.7	131.7	131.0	130.1	128.9	127.5	126.0	124.3	122.5
165°	105.7	106.6	107.5	107.2	107.3	107.1	106.7	106.2	105.5	104.6	103.6
167.5°	81.8	83.0	84.2	84.6	85.2	85.7	86.0	86.2	86.1	86.0	85.7
170°	65.4	66.4	67.4	68.3	68.4	68.8	69.1	69.2	69.2	69.1	68.9
172.5°	50.1	50.8	51.5	52.2	52.0	52.3	52.4	52.4	52.3	52.1	51.8
175°	32.7	33.1	33.6	34.0	34.5	34.1	34.1	34.1	34.1	33.9	33.7
177.5°	15.3	15.5	15.7	15.9	16.1	16.3	16.5	16.0	16.0	15.9	15.9
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°	15.8	15.6	15.5	15.3	15.0	14.8	14.5	14.2	13.8	13.5	13.1
5°	33.4	33.0	32.6	32.1	31.5	30.9	30.2	29.4	28.6	27.7	26.7
7.5°	51.4	50.9	50.2	49.5	48.7	47.8	46.7	45.6	44.4	43.1	41.6
10°	68.5	68.0	67.3	66.5	65.6	64.5	63.2	61.7	60.1	58.4	56.5
12.5°	85.2	84.6	83.8	82.9	81.8	80.5	79.0	77.3	75.5	73.5	71.4
15°	102.5	101.3	100.0	98.8	97.5	96.0	94.4	92.6	90.7	88.4	85.8
17.5°	120.6	118.6	116.7	114.9	113.0	111.1	109.2	107.2	105.0	102.5	100.0
20°	138.4	135.5	132.8	130.1	127.4	124.8	122.4	120.2	118.0	115.9	113.2
22.5°	157.8	153.7	149.5	145.2	140.8	137.3	134.3	131.5	128.8	126.5	124.4
25°	178.1	172.5	166.9	161.1	155.7	150.7	145.8	141.1	138.2	135.5	133.3
27.5°	198.6	191.7	184.6	177.7	171.0	164.3	158.4	152.4	147.2	142.7	140.3
30°	222.2	212.3	202.9	194.3	186.2	178.0	170.7	163.4	158.3	155.3	152.0
32.5°	252.0	237.0	224.4	212.9	201.4	191.8	185.5	180.0	175.1	170.0	166.3
35°	289.6	271.7	254.4	236.1	222.0	213.2	204.0	197.8	191.5	185.9	180.5
37.5°	332.6	312.4	291.0	273.5	255.7	238.9	227.0	216.6	208.2	201.3	195.2
40°	381.0	358.6	336.5	315.0	293.3	272.6	254.1	238.1	226.6	216.9	209.5
42.5°	438.1	411.8	384.8	359.8	335.9	309.7	285.0	265.0	246.6	234.2	223.9
45°	498.2	468.4	437.9	406.1	376.6	348.1	320.7	293.1	271.7	252.8	239.3
47.5°	561.0	526.3	492.3	456.9	421.2	387.2	356.3	326.4	297.2	274.8	256.6
50°	625.9	586.7	547.2	508.3	470.4	429.1	391.8	358.8	327.0	297.7	274.5
52.5°	691.8	647.0	602.7	559.6	516.4	474.5	429.6	390.8	358.0	322.8	299.3
55°	763.3	705.9	656.9	609.4	563.2	516.5	469.2	423.7	388.9	357.7	330.0
57.5°	833.9	765.2	708.0	656.9	607.5	558.8	510.2	464.1	422.0	389.9	360.5
60°	899.0	820.3	754.3	699.8	648.4	598.4	548.6	500.4	456.4	420.0	389.6
62.5°	966.3	866.5	795.4	736.4	683.8	633.9	583.1	533.8	488.0	447.2	416.2
65°	1028.6	924.8	834.2	768.9	713.5	663.2	614.2	562.8	516.2	474.6	441.3
67.5°	1097.7	984.0	883.2	800.1	737.3	686.6	640.2	589.4	541.6	499.5	464.1
70°	1162.2	1038.0	929.5	829.7	759.7	705.6	659.6	613.1	563.3	521.1	484.6
72.5°	1216.3	1084.8	966.4	863.0	778.8	719.4	674.1	635.6	581.7	539.9	503.9
75°	1258.9	1124.8	995.6	888.5	792.6	729.9	684.0	642.9	594.4	552.0	518.8
77.5°	1289.6	1154.0	1018.8	911.0	814.5	741.5	689.4	646.2	601.7	560.7	530.4
80°	1320.5	1182.8	1050.7	932.8	832.5	750.4	692.9	648.0	605.4	566.6	539.3
82.5°	1351.1	1207.4	1073.2	948.2	844.8	756.3	694.3	648.2	605.8	570.0	545.9
85°	1368.0	1222.4	1086.0	957.1	851.4	759.0	693.6	646.5	603.5	571.3	550.8
87.5°	1371.6	1232.5	1093.8	962.7	855.2	760.1	691.9	644.0	599.6	571.5	554.7
90°	1362.5	1221.9	1083.5	954.9	848.0	754.3	685.6	637.7	593.0	570.1	558.1
92.5°	1371.6	1232.5	1093.8	962.7	855.2	760.1	691.9	644.0	599.6	571.5	554.7
95°	1368.0	1222.4	1086.0	957.1	851.4	759.0	693.6	646.5	603.5	571.3	550.8
97.5°	1351.1	1207.4	1073.2	948.2	844.8	756.3	694.3	648.2	605.8	570.0	545.9
100°	1320.5	1182.8	1050.7	932.8	832.5	750.4	692.9	648.0	605.4	566.6	539.3
102.5°	1289.6	1154.0	1018.8	911.0	814.5	741.5	689.4	646.2	601.7	560.7	530.4
105°	1258.9	1124.8	995.6	888.5	792.6	729.9	684.0	642.9	594.4	552.0	518.8
107.5°	1216.3	1084.8	966.4	863.0	778.8	719.4	674.1	635.6	581.7	539.9	503.9
110°	1162.2	1038.0	929.5	829.7	759.7	705.6	659.6	613.1	563.3	521.1	484.6



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1097.7	984.0	883.2	800.1	737.3	686.6	640.2	589.4	541.6	499.5	464.1
115°	1028.6	924.8	834.2	768.9	713.5	663.2	614.2	562.8	516.2	474.6	441.3
117.5°	966.3	866.5	795.4	736.4	683.8	633.9	583.1	533.8	488.0	447.2	416.2
120°	899.0	820.3	754.3	699.8	648.4	598.4	548.6	500.4	456.4	420.0	389.6
122.5°	833.9	765.2	708.0	656.9	607.5	558.8	510.2	464.1	422.0	389.9	360.5
125°	763.3	705.9	656.9	609.4	563.2	516.5	469.2	423.7	388.9	357.7	330.0
127.5°	691.8	647.0	602.7	559.6	516.4	474.5	429.6	390.8	358.0	322.8	299.3
130°	625.9	586.7	547.2	508.3	470.4	429.1	391.8	358.8	327.0	297.7	274.5
132.5°	561.0	526.3	492.3	456.9	421.2	387.2	356.3	326.4	297.2	274.8	256.6
135°	498.2	468.4	437.9	406.1	376.6	348.1	320.7	293.1	271.7	252.8	239.3
137.5°	438.1	411.8	384.8	359.8	335.9	309.7	285.0	265.0	246.6	234.2	223.9
140°	381.0	358.6	336.5	315.0	293.3	272.6	254.1	238.1	226.6	216.9	209.5
142.5°	332.6	312.4	291.0	273.5	255.7	238.9	227.0	216.6	208.2	201.3	195.2
145°	289.6	271.7	254.4	236.1	222.0	213.2	204.0	197.8	191.5	185.9	180.5
147.5°	252.0	237.0	224.4	212.9	201.4	191.8	185.5	180.0	175.1	170.0	166.3
150°	222.2	212.3	202.9	194.3	186.2	178.0	170.7	163.4	158.3	155.3	152.0
152.5°	198.6	191.7	184.6	177.7	171.0	164.3	158.4	152.4	147.2	142.7	140.3
155°	178.1	172.5	166.9	161.1	155.7	150.7	145.8	141.1	138.2	135.5	133.3
157.5°	157.8	153.7	149.5	145.2	140.8	137.3	134.3	131.5	128.8	126.5	124.4
160°	138.4	135.5	132.8	130.1	127.4	124.8	122.4	120.2	118.0	115.9	113.2
162.5°	120.6	118.6	116.7	114.9	113.0	111.1	109.2	107.2	105.0	102.5	100.0
165°	102.5	101.3	100.0	98.8	97.5	96.0	94.4	92.6	90.7	88.4	85.8
167.5°	85.2	84.6	83.8	82.9	81.8	80.5	79.0	77.3	75.5	73.5	71.4
170°	68.5	68.0	67.3	66.5	65.6	64.5	63.2	61.7	60.1	58.4	56.5
172.5°	51.4	50.9	50.2	49.5	48.7	47.8	46.7	45.6	44.4	43.1	41.6
175°	33.4	33.0	32.6	32.1	31.5	30.9	30.2	29.4	28.6	27.7	26.7
177.5°	15.8	15.6	15.5	15.3	15.0	14.8	14.5	14.2	13.8	13.5	13.1
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	12.7	12.2	11.8	11.3	10.8	10.3	9.7	9.2	8.6	8.0	7.4
5°	25.7	24.6	23.5	22.5	21.5	20.5	19.4	18.3	17.1	16.0	14.8
7.5°	40.1	38.4	36.7	34.9	33.0	31.1	29.1	27.3	25.6	23.9	22.1
10°	54.5	52.4	50.4	47.8	45.3	42.6	39.9	37.0	34.1	31.7	29.3
12.5°	68.9	66.3	63.5	60.6	57.6	54.4	50.9	47.3	43.6	39.8	36.5
15°	83.0	80.0	77.3	73.4	69.7	66.0	62.0	57.7	53.2	48.6	43.8
17.5°	97.6	93.7	90.0	86.0	81.9	77.5	72.9	68.1	62.9	57.4	51.8
20°	110.1	106.9	103.3	98.7	94.0	89.0	83.7	78.3	72.7	66.4	59.9
22.5°	122.4	119.1	115.3	111.3	106.2	100.5	94.6	88.4	82.1	75.5	68.0
25°	131.1	129.4	126.9	122.6	118.4	113.0	106.9	100.6	94.2	87.6	80.2
27.5°	139.3	138.5	137.5	135.7	131.3	126.7	120.5	113.8	107.0	100.0	92.6
30°	150.6	149.5	148.1	146.6	143.9	139.0	133.6	126.6	119.9	112.1	104.7
32.5°	162.8	160.6	159.1	157.2	155.0	151.1	145.6	139.0	131.5	123.9	116.1
35°	176.3	172.6	170.1	168.2	165.6	162.6	157.1	151.5	143.3	135.5	127.5
37.5°	189.6	185.3	181.4	179.0	176.9	173.0	168.4	162.1	154.8	146.8	138.6
40°	203.2	197.6	193.5	189.8	187.2	183.7	179.3	173.0	165.9	157.8	149.4
42.5°	216.2	210.2	204.9	201.1	197.8	194.8	189.7	183.7	176.7	168.5	160.1
45°	229.6	221.9	216.5	212.1	208.4	205.1	200.3	194.2	187.0	179.0	170.5
47.5°	242.3	234.2	227.6	222.8	219.0	216.5	214.8	211.7	207.7	202.5	195.6
50°	258.3	246.7	242.0	240.0	238.6	237.9	237.8	236.6	234.6	230.9	224.2
52.5°	282.0	270.8	265.0	261.4	259.3	258.6	259.5	260.4	260.7	259.1	252.5
55°	310.0	296.7	287.9	282.6	280.0	279.3	280.4	283.0	286.1	286.5	280.6
57.5°	337.7	321.7	310.9	304.4	300.9	299.6	300.7	304.6	310.5	313.0	308.5
60°	363.4	346.4	334.6	326.6	321.8	319.7	320.4	325.4	333.8	338.9	336.3
62.5°	389.7	371.1	358.1	348.6	342.4	339.5	340.0	346.0	356.4	364.4	364.0
65°	414.4	394.1	380.7	370.5	363.0	359.7	360.0	366.2	378.3	389.5	391.6
67.5°	436.7	415.5	402.7	392.4	384.4	380.1	379.8	386.1	399.7	414.2	419.1
70°	457.1	436.6	424.2	413.7	403.9	397.4	395.3	399.9	412.3	425.4	425.8
72.5°	476.4	454.9	439.7	428.1	417.9	410.1	406.6	410.1	421.9	434.2	430.1
75°	493.2	471.6	454.4	442.2	431.7	422.9	418.0	420.5	431.8	443.8	434.8
77.5°	507.9	487.8	468.8	455.9	445.3	435.7	429.3	430.9	441.9	454.1	439.8
80°	521.0	503.5	482.9	469.3	458.7	448.6	440.7	441.5	452.3	464.9	445.1
82.5°	532.6	518.6	496.8	482.3	471.9	461.4	452.0	452.2	462.9	475.9	451.8
85°	543.2	533.1	510.3	495.1	484.8	474.6	463.4	462.7	473.4	487.7	456.3
87.5°	553.1	547.4	523.7	507.8	497.7	486.9	474.8	473.9	484.7	498.3	460.9
90°	562.4	560.3	536.3	519.9	510.1	499.2	486.1	485.1	496.0	509.0	465.4
92.5°	553.1	547.4	523.7	507.8	497.7	486.9	474.8	473.9	484.7	498.3	460.9
95°	543.2	533.1	510.3	495.1	484.8	474.6	463.4	462.7	473.4	487.7	456.3
97.5°	532.6	518.6	496.8	482.3	471.9	461.4	452.0	452.2	462.9	475.9	451.8
100°	521.0	503.5	482.9	469.3	458.7	448.6	440.7	441.5	452.3	464.9	445.1
102.5°	507.9	487.8	468.8	455.9	445.3	435.7	429.3	430.9	441.9	454.1	439.8
105°	493.2	471.6	454.4	442.2	431.7	422.9	418.0	420.5	431.8	443.8	434.8
107.5°	476.4	454.9	439.7	428.1	417.9	410.1	406.6	410.1	421.9	434.2	430.1
110°	457.1	436.6	424.2	413.7	403.9	397.4	395.3	399.9	412.3	425.4	425.8



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	436.7	415.5	402.7	392.4	384.4	380.1	379.8	386.1	399.7	414.2	419.1
115°	414.4	394.1	380.7	370.5	363.0	359.7	360.0	366.2	378.3	389.5	391.6
117.5°	389.7	371.1	358.1	348.6	342.4	339.5	340.0	346.0	356.4	364.4	364.0
120°	363.4	346.4	334.6	326.6	321.8	319.7	320.4	325.4	333.8	338.9	336.3
122.5°	337.7	321.7	310.9	304.4	300.9	299.6	300.7	304.6	310.5	313.0	308.5
125°	310.0	296.7	287.9	282.6	280.0	279.3	280.4	283.0	286.1	286.5	280.6
127.5°	282.0	270.8	265.0	261.4	259.3	258.6	259.5	260.4	260.7	259.1	252.5
130°	258.3	246.7	242.0	240.0	238.6	237.9	237.8	236.6	234.6	230.9	224.2
132.5°	242.3	234.2	227.6	222.8	219.0	216.5	214.8	211.7	207.7	202.5	195.6
135°	229.6	221.9	216.5	212.1	208.4	205.1	200.3	194.2	187.0	179.0	170.5
137.5°	216.2	210.2	204.9	201.1	197.8	194.8	189.7	183.7	176.7	168.5	160.1
140°	203.2	197.6	193.5	189.8	187.2	183.7	179.3	173.0	165.9	157.8	149.4
142.5°	189.6	185.3	181.4	179.0	176.9	173.0	168.4	162.1	154.8	146.8	138.6
145°	176.3	172.6	170.1	168.2	165.6	162.6	157.1	151.5	143.3	135.5	127.5
147.5°	162.8	160.6	159.1	157.2	155.0	151.1	145.6	139.0	131.5	123.9	116.1
150°	150.6	149.5	148.1	146.6	143.9	139.0	133.6	126.6	119.9	112.1	104.7
152.5°	139.3	138.5	137.5	135.7	131.3	126.7	120.5	113.8	107.0	100.0	92.6
155°	131.1	129.4	126.9	122.6	118.4	113.0	106.9	100.6	94.2	87.6	80.2
157.5°	122.4	119.1	115.3	111.3	106.2	100.5	94.6	88.4	82.1	75.5	68.0
160°	110.1	106.9	103.3	98.7	94.0	89.0	83.7	78.3	72.7	66.4	59.9
162.5°	97.6	93.7	90.0	86.0	81.9	77.5	72.9	68.1	62.9	57.4	51.8
165°	83.0	80.0	77.3	73.4	69.7	66.0	62.0	57.7	53.2	48.6	43.8
167.5°	68.9	66.3	63.5	60.6	57.6	54.4	50.9	47.3	43.6	39.8	36.5
170°	54.5	52.4	50.4	47.8	45.3	42.6	39.9	37.0	34.1	31.7	29.3
172.5°	40.1	38.4	36.7	34.9	33.0	31.1	29.1	27.3	25.6	23.9	22.1
175°	25.7	24.6	23.5	22.5	21.5	20.5	19.4	18.3	17.1	16.0	14.8
177.5°	12.7	12.2	11.8	11.3	10.8	10.3	9.7	9.2	8.6	8.0	7.4
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	6.8	6.1	5.5	4.8	4.8	4.8	4.7	4.7	4.6	4.6	4.5
5°	13.5	12.3	11.0	9.7	9.6	9.5	9.4	9.2	9.0	8.9	8.7
7.5°	20.2	18.4	16.5	14.5	14.3	14.1	13.8	13.6	13.3	12.9	12.6
10°	26.9	24.4	21.9	19.4	19.0	18.6	18.2	17.8	17.3	16.8	16.5
12.5°	33.5	30.5	27.4	24.2	23.7	23.1	22.5	21.8	21.2	20.7	20.3
15°	40.1	36.5	32.8	29.1	28.3	27.4	26.6	25.8	25.2	24.6	23.9
17.5°	46.6	42.5	38.2	33.9	32.9	31.7	30.6	29.7	29.0	28.3	27.5
20°	53.3	48.4	43.6	38.8	37.4	36.0	34.6	33.7	32.8	31.9	31.2
22.5°	60.5	54.3	49.0	43.6	41.9	40.1	38.6	37.6	36.5	35.7	34.9
25°	72.5	65.7	60.5	55.1	53.6	51.9	50.5	49.2	47.7	46.0	44.1
27.5°	84.7	77.1	72.0	66.6	65.5	64.1	63.3	62.3	60.9	59.0	56.6
30°	96.5	88.3	83.3	78.1	77.5	76.5	76.3	75.7	74.0	72.1	68.3
32.5°	108.0	99.8	94.5	89.6	89.5	89.2	89.5	89.0	87.3	84.2	79.5
35°	119.3	111.1	105.7	101.2	101.6	102.1	102.9	102.3	100.5	95.8	90.1
37.5°	130.3	122.2	116.7	112.7	113.8	115.0	116.5	115.7	113.8	106.8	99.7
40°	141.0	133.1	127.7	124.2	126.1	128.2	130.3	129.1	125.3	117.4	108.7
42.5°	151.5	143.9	138.6	135.7	138.5	141.4	144.2	142.5	136.7	127.9	117.2
45°	162.0	154.5	149.3	147.2	150.9	154.7	157.6	155.9	147.7	136.9	125.1
47.5°	185.3	174.7	165.6	159.4	159.7	160.9	161.7	159.5	150.4	139.9	128.8
50°	210.7	196.0	182.3	171.6	168.1	166.4	164.4	160.2	149.9	139.1	128.3
52.5°	236.7	217.7	199.2	183.9	176.3	171.4	166.8	160.3	149.6	138.6	128.4
55°	263.3	239.9	216.4	196.1	184.2	176.1	168.9	160.4	149.3	138.5	129.1
57.5°	290.4	262.5	233.9	208.3	191.9	180.4	170.8	160.7	149.3	138.8	130.4
60°	318.0	285.5	251.5	220.5	199.4	184.3	172.4	160.9	149.6	139.8	132.5
62.5°	346.0	308.8	269.4	232.8	206.7	188.1	173.9	161.3	150.1	141.2	135.7
65°	374.3	332.3	287.4	245.0	213.9	191.5	175.2	161.7	150.8	143.0	139.5
67.5°	402.8	356.0	305.5	257.2	220.9	194.8	176.3	162.2	151.7	145.1	143.8
70°	406.1	356.6	304.7	255.9	219.2	193.1	174.8	161.0	150.8	145.1	145.3
72.5°	407.3	356.2	303.6	254.6	217.4	191.4	173.1	159.7	149.6	144.3	144.7
75°	408.3	355.6	304.1	253.2	215.7	189.7	171.6	158.5	148.5	143.4	144.1
77.5°	409.1	354.8	302.3	251.9	214.1	188.2	170.1	157.4	147.5	142.7	143.3
80°	409.6	355.5	300.5	250.6	212.5	186.7	168.8	156.4	146.6	141.9	142.4
82.5°	411.4	353.6	298.7	249.3	211.1	185.4	167.6	155.6	145.8	141.2	141.4
85°	410.5	351.6	296.8	247.9	209.7	184.2	166.5	154.9	145.1	140.6	140.5
87.5°	409.7	349.7	295.0	246.6	208.3	183.0	165.5	154.2	144.4	140.0	139.4
90°	408.8	347.7	293.2	245.3	207.1	182.0	164.6	153.7	143.9	139.5	138.4
92.5°	409.7	349.7	295.0	246.6	208.3	183.0	165.5	154.2	144.4	140.0	139.4
95°	410.5	351.6	296.8	247.9	209.7	184.2	166.5	154.9	145.1	140.6	140.5
97.5°	411.4	353.6	298.7	249.3	211.1	185.4	167.6	155.6	145.8	141.2	141.4
100°	409.6	355.5	300.5	250.6	212.5	186.7	168.8	156.4	146.6	141.9	142.4
102.5°	409.1	354.8	302.3	251.9	214.1	188.2	170.1	157.4	147.5	142.7	143.3
105°	408.3	355.6	304.1	253.2	215.7	189.7	171.6	158.5	148.5	143.4	144.1
107.5°	407.3	356.2	303.6	254.6	217.4	191.4	173.1	159.7	149.6	144.3	144.7
110°	406.1	356.6	304.7	255.9	219.2	193.1	174.8	161.0	150.8	145.1	145.3



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	402.8	356.0	305.5	257.2	220.9	194.8	176.3	162.2	151.7	145.1	143.8
115°	374.3	332.3	287.4	245.0	213.9	191.5	175.2	161.7	150.8	143.0	139.5
117.5°	346.0	308.8	269.4	232.8	206.7	188.1	173.9	161.3	150.1	141.2	135.7
120°	318.0	285.5	251.5	220.5	199.4	184.3	172.4	160.9	149.6	139.8	132.5
122.5°	290.4	262.5	233.9	208.3	191.9	180.4	170.8	160.7	149.3	138.8	130.4
125°	263.3	239.9	216.4	196.1	184.2	176.1	168.9	160.4	149.3	138.5	129.1
127.5°	236.7	217.7	199.2	183.9	176.3	171.4	166.8	160.3	149.6	138.6	128.4
130°	210.7	196.0	182.3	171.6	168.1	166.4	164.4	160.2	149.9	139.1	128.3
132.5°	185.3	174.7	165.6	159.4	159.7	160.9	161.7	159.5	150.4	139.9	128.8
135°	162.0	154.5	149.3	147.2	150.9	154.7	157.6	155.9	147.7	136.9	125.1
137.5°	151.5	143.9	138.6	135.7	138.5	141.4	144.2	142.5	136.7	127.9	117.2
140°	141.0	133.1	127.7	124.2	126.1	128.2	130.3	129.1	125.3	117.4	108.7
142.5°	130.3	122.2	116.7	112.7	113.8	115.0	116.5	115.7	113.8	106.8	99.7
145°	119.3	111.1	105.7	101.2	101.6	102.1	102.9	102.3	100.5	95.8	90.1
147.5°	108.0	99.8	94.5	89.6	89.5	89.2	89.5	89.0	87.3	84.2	79.5
150°	96.5	88.3	83.3	78.1	77.5	76.5	76.3	75.7	74.0	72.1	68.3
152.5°	84.7	77.1	72.0	66.6	65.5	64.1	63.3	62.3	60.9	59.0	56.6
155°	72.5	65.7	60.5	55.1	53.6	51.9	50.5	49.2	47.7	46.0	44.1
157.5°	60.5	54.3	49.0	43.6	41.9	40.1	38.6	37.6	36.5	35.7	34.9
160°	53.3	48.4	43.6	38.8	37.4	36.0	34.6	33.7	32.8	31.9	31.2
162.5°	46.6	42.5	38.2	33.9	32.9	31.7	30.6	29.7	29.0	28.3	27.5
165°	40.1	36.5	32.8	29.1	28.3	27.4	26.6	25.8	25.2	24.6	23.9
167.5°	33.5	30.5	27.4	24.2	23.7	23.1	22.5	21.8	21.2	20.7	20.3
170°	26.9	24.4	21.9	19.4	19.0	18.6	18.2	17.8	17.3	16.8	16.5
172.5°	20.2	18.4	16.5	14.5	14.3	14.1	13.8	13.6	13.3	12.9	12.6
175°	13.5	12.3	11.0	9.7	9.6	9.5	9.4	9.2	9.0	8.9	8.7
177.5°	6.8	6.1	5.5	4.8	4.8	4.8	4.7	4.7	4.6	4.6	4.5
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	4.4	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.3	3.2
5°	8.5	8.3	8.0	7.8	7.5	7.3	7.1	6.8	6.6	6.3	6.0
7.5°	12.3	12.0	11.7	11.4	11.0	10.7	10.3	9.9	9.5	9.1	8.7
10°	16.1	15.7	15.2	14.8	14.3	13.9	13.4	13.0	12.5	12.0	11.4
12.5°	19.7	19.2	18.7	18.2	17.7	17.1	16.5	16.0	15.3	14.7	14.0
15°	23.3	22.7	22.2	21.6	20.9	20.3	19.6	18.8	18.1	17.3	16.4
17.5°	26.9	26.3	25.6	24.9	24.1	23.3	22.5	21.5	20.5	19.4	18.4
20°	30.5	29.7	28.9	28.1	27.2	26.1	24.9	23.7	22.5	21.3	20.1
22.5°	34.0	33.1	32.2	31.2	29.8	28.5	27.1	25.7	24.4	23.0	21.9
25°	41.7	39.3	36.6	33.8	32.2	30.7	29.1	27.6	26.4	25.1	23.9
27.5°	53.4	50.2	46.5	42.8	39.2	35.7	32.5	29.8	28.5	26.9	25.2
30°	64.4	59.9	55.4	51.0	46.6	42.8	39.4	36.0	32.5	29.1	26.6
32.5°	74.4	68.8	63.4	58.1	53.4	49.2	45.1	41.0	37.1	33.8	30.6
35°	83.5	76.9	70.5	64.6	59.5	54.7	49.8	45.4	41.5	37.9	34.9
37.5°	91.9	84.3	76.8	70.7	64.9	59.3	54.0	49.4	45.3	41.8	38.4
40°	99.7	90.9	83.1	76.1	69.6	63.3	57.8	52.9	48.8	44.9	41.1
42.5°	106.9	96.9	88.7	81.0	73.7	67.1	61.2	56.3	51.7	47.4	43.6
45°	113.5	103.0	93.8	85.4	77.5	70.3	64.5	59.1	54.2	49.7	45.5
47.5°	117.8	108.2	98.7	89.3	81.0	73.6	67.3	61.7	56.3	51.4	47.0
50°	118.0	109.8	101.8	93.5	85.0	76.8	69.9	63.8	58.0	52.9	48.2
52.5°	119.6	112.5	105.9	99.0	91.4	83.4	75.3	67.1	59.5	54.2	49.1
55°	122.1	116.6	111.3	105.7	98.5	90.3	81.5	72.5	64.6	57.0	50.1
57.5°	125.4	121.7	118.0	113.3	106.1	97.1	87.3	77.9	69.1	60.6	53.7
60°	129.5	127.7	125.7	121.1	113.5	103.7	92.8	82.8	72.9	64.2	56.8
62.5°	134.4	134.6	134.3	129.4	120.7	109.8	98.2	87.2	76.2	67.7	59.3
65°	140.2	142.3	143.7	138.2	128.0	115.7	103.3	91.1	79.8	70.8	61.6
67.5°	146.7	150.6	152.3	146.6	135.4	121.6	108.3	94.7	83.5	73.5	64.3
70°	149.7	155.8	158.8	153.9	142.1	127.4	113.0	98.1	87.0	76.3	67.0
72.5°	149.0	155.0	157.4	152.8	142.7	129.6	115.4	101.3	90.4	79.1	69.8
75°	147.9	154.0	156.4	152.6	143.3	130.5	116.1	102.2	90.4	79.9	71.0
77.5°	146.7	153.0	155.8	153.0	144.6	131.9	117.2	103.1	90.7	80.1	71.1
80°	145.2	151.8	155.4	154.1	146.5	133.7	118.7	104.1	91.2	80.7	71.6
82.5°	143.7	150.6	155.2	155.6	148.9	135.9	120.8	105.3	92.0	81.5	72.4
85°	142.0	149.2	155.1	157.4	151.7	138.6	123.3	106.8	93.2	82.6	73.7
87.5°	140.2	147.7	155.0	159.3	154.8	141.6	126.2	108.7	94.9	84.2	75.4
90°	138.4	146.1	154.8	161.3	158.1	145.0	129.7	111.2	97.0	86.1	77.4
92.5°	140.2	147.7	155.0	159.3	154.8	141.6	126.2	108.7	94.9	84.2	75.4
95°	142.0	149.2	155.1	157.4	151.7	138.6	123.3	106.8	93.2	82.6	73.7
97.5°	143.7	150.6	155.2	155.6	148.9	135.9	120.8	105.3	92.0	81.5	72.4
100°	145.2	151.8	155.4	154.1	146.5	133.7	118.7	104.1	91.2	80.7	71.6
102.5°	146.7	153.0	155.8	153.0	144.6	131.9	117.2	103.1	90.7	80.1	71.1
105°	147.9	154.0	156.4	152.6	143.3	130.5	116.1	102.2	90.4	79.9	71.0
107.5°	149.0	155.0	157.4	152.8	142.7	129.6	115.4	101.3	90.4	79.1	69.8
110°	149.7	155.8	158.8	153.9	142.1	127.4	113.0	98.1	87.0	76.3	67.0



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	146.7	150.6	152.3	146.6	135.4	121.6	108.3	94.7	83.5	73.5	64.3
115°	140.2	142.3	143.7	138.2	128.0	115.7	103.3	91.1	79.8	70.8	61.6
117.5°	134.4	134.6	134.3	129.4	120.7	109.8	98.2	87.2	76.2	67.7	59.3
120°	129.5	127.7	125.7	121.1	113.5	103.7	92.8	82.8	72.9	64.2	56.8
122.5°	125.4	121.7	118.0	113.3	106.1	97.1	87.3	77.9	69.1	60.6	53.7
125°	122.1	116.6	111.3	105.7	98.5	90.3	81.5	72.5	64.6	57.0	50.1
127.5°	119.6	112.5	105.9	99.0	91.4	83.4	75.3	67.1	59.5	54.2	49.1
130°	118.0	109.8	101.8	93.5	85.0	76.8	69.9	63.8	58.0	52.9	48.2
132.5°	117.8	108.2	98.7	89.3	81.0	73.6	67.3	61.7	56.3	51.4	47.0
135°	113.5	103.0	93.8	85.4	77.5	70.3	64.5	59.1	54.2	49.7	45.5
137.5°	106.9	96.9	88.7	81.0	73.7	67.1	61.2	56.3	51.7	47.4	43.6
140°	99.7	90.9	83.1	76.1	69.6	63.3	57.8	52.9	48.8	44.9	41.1
142.5°	91.9	84.3	76.8	70.7	64.9	59.3	54.0	49.4	45.3	41.8	38.4
145°	83.5	76.9	70.5	64.6	59.5	54.7	49.8	45.4	41.5	37.9	34.9
147.5°	74.4	68.8	63.4	58.1	53.4	49.2	45.1	41.0	37.1	33.8	30.6
150°	64.4	59.9	55.4	51.0	46.6	42.8	39.4	36.0	32.5	29.1	26.6
152.5°	53.4	50.2	46.5	42.8	39.2	35.7	32.5	29.8	28.5	26.9	25.2
155°	41.7	39.3	36.6	33.8	32.2	30.7	29.1	27.6	26.4	25.1	23.9
157.5°	34.0	33.1	32.2	31.2	29.8	28.5	27.1	25.7	24.4	23.0	21.9
160°	30.5	29.7	28.9	28.1	27.2	26.1	24.9	23.7	22.5	21.3	20.1
162.5°	26.9	26.3	25.6	24.9	24.1	23.3	22.5	21.5	20.5	19.4	18.4
165°	23.3	22.7	22.2	21.6	20.9	20.3	19.6	18.8	18.1	17.3	16.4
167.5°	19.7	19.2	18.7	18.2	17.7	17.1	16.5	16.0	15.3	14.7	14.0
170°	16.1	15.7	15.2	14.8	14.3	13.9	13.4	13.0	12.5	12.0	11.4
172.5°	12.3	12.0	11.7	11.4	11.0	10.7	10.3	9.9	9.5	9.1	8.7
175°	8.5	8.3	8.0	7.8	7.5	7.3	7.1	6.8	6.6	6.3	6.0
177.5°	4.4	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.3	3.2
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	3.0	2.9	2.7	2.6	2.4	2.2	2.0	1.9	1.7	1.5	1.3
5°	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.5	3.2	2.8	2.5
7.5°	8.3	7.9	7.5	7.0	6.6	6.1	5.6	5.1	4.6	4.1	3.6
10°	10.9	10.3	9.8	9.2	8.6	7.9	7.3	6.7	6.0	5.4	4.7
12.5°	13.3	12.7	11.9	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6
15°	15.5	14.6	13.7	12.8	11.9	11.0	10.0	9.1	8.2	7.3	6.4
17.5°	17.3	16.3	15.2	14.2	13.1	12.1	11.2	10.2	9.2	8.2	7.2
20°	18.9	17.8	16.8	15.7	14.6	13.5	12.4	11.2	10.1	8.9	7.8
22.5°	20.8	19.6	18.4	17.1	15.8	14.5	13.2	12.0	10.8	9.6	8.4
25°	22.4	20.9	19.5	18.1	16.8	15.5	14.3	13.0	11.8	10.6	9.3
27.5°	23.6	22.2	20.8	19.4	18.2	17.0	15.7	14.4	13.1	11.6	10.2
30°	25.2	23.7	22.5	21.3	20.1	18.5	17.0	15.4	13.9	12.5	11.0
32.5°	28.1	25.9	24.6	22.9	21.3	19.7	18.3	16.8	15.3	13.6	11.9
35°	32.2	29.2	26.4	24.4	23.0	21.5	19.8	18.0	16.1	14.4	12.7
37.5°	35.1	32.1	29.5	27.1	24.6	22.7	20.8	19.2	17.5	15.7	13.7
40°	37.8	34.8	31.9	29.0	26.4	24.3	22.6	20.6	18.5	16.4	14.3
42.5°	40.0	36.6	33.4	30.8	28.4	26.0	23.7	21.4	19.2	17.1	14.9
45°	41.6	38.1	35.0	32.2	29.4	26.8	24.4	22.2	20.3	18.3	16.2
47.5°	42.9	39.3	36.0	33.0	29.9	27.1	25.0	23.3	21.5	18.7	16.1
50°	43.9	40.1	36.7	33.1	29.9	27.6	25.4	22.9	20.7	18.9	16.4
52.5°	44.7	40.8	36.6	33.0	30.2	27.3	24.5	22.3	20.5	18.6	16.3
55°	45.3	40.6	36.3	32.9	29.5	26.4	24.0	21.9	19.8	17.7	16.1
57.5°	47.0	40.3	36.0	32.1	28.6	25.9	23.6	21.3	19.2	17.3	15.3
60°	49.2	42.7	36.7	31.3	28.1	25.6	23.2	20.7	18.5	16.3	14.2
62.5°	51.6	44.9	38.4	33.1	28.6	25.5	22.5	20.0	17.8	15.5	13.3
65°	54.0	46.8	40.5	35.1	30.5	25.8	21.9	19.6	17.2	15.2	13.4
67.5°	56.3	48.7	42.6	36.9	31.6	26.8	23.0	19.4	17.3	15.3	12.4
70°	58.5	51.0	44.6	38.3	32.5	28.0	23.9	20.5	17.7	14.3	11.6
72.5°	60.7	53.5	46.3	39.6	33.8	29.1	24.9	21.2	17.3	14.0	11.0
75°	62.7	55.9	47.8	40.8	35.0	30.2	25.6	21.3	17.2	13.7	9.8
77.5°	63.1	56.0	48.5	42.0	36.3	31.3	25.9	21.3	17.2	12.4	8.6
80°	63.9	56.4	49.1	42.6	36.9	31.4	26.1	21.6	16.7	10.9	7.3
82.5°	64.9	57.2	50.2	43.5	37.4	31.2	25.9	21.2	15.5	10.1	5.8
85°	66.2	58.4	51.6	44.6	38.0	31.3	26.0	21.0	14.8	9.5	5.1
87.5°	67.8	60.1	53.4	46.1	39.0	31.8	26.5	21.2	14.7	9.4	5.0
90°	69.8	62.1	55.6	48.0	40.3	32.7	27.3	21.8	15.3	9.8	5.5
92.5°	67.8	60.1	53.4	46.1	39.0	31.8	26.5	21.2	14.7	9.4	5.0
95°	66.2	58.4	51.6	44.6	38.0	31.3	26.0	21.0	14.8	9.5	5.1
97.5°	64.9	57.2	50.2	43.5	37.4	31.2	25.9	21.2	15.5	10.1	5.8
100°	63.9	56.4	49.1	42.6	36.9	31.4	26.1	21.6	16.7	10.9	7.3
102.5°	63.1	56.0	48.5	42.0	36.3	31.3	25.9	21.3	17.2	12.4	8.6
105°	62.7	55.9	47.8	40.8	35.0	30.2	25.6	21.3	17.2	13.7	9.8
107.5°	60.7	53.5	46.3	39.6	33.8	29.1	24.9	21.2	17.3	14.0	11.0
110°	58.5	51.0	44.6	38.3	32.5	28.0	23.9	20.5	17.7	14.3	11.6



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	56.3	48.7	42.6	36.9	31.6	26.8	23.0	19.4	17.3	15.3	12.4
115°	54.0	46.8	40.5	35.1	30.5	25.8	21.9	19.6	17.2	15.2	13.4
117.5°	51.6	44.9	38.4	33.1	28.6	25.5	22.5	20.0	17.8	15.5	13.3
120°	49.2	42.7	36.7	31.3	28.1	25.6	23.2	20.7	18.5	16.3	14.2
122.5°	47.0	40.3	36.0	32.1	28.6	25.9	23.6	21.3	19.2	17.3	15.3
125°	45.3	40.6	36.3	32.9	29.5	26.4	24.0	21.9	19.8	17.7	16.1
127.5°	44.7	40.8	36.6	33.0	30.2	27.3	24.5	22.3	20.5	18.6	16.3
130°	43.9	40.1	36.7	33.1	29.9	27.6	25.4	22.9	20.7	18.9	16.4
132.5°	42.9	39.3	36.0	33.0	29.9	27.1	25.0	23.3	21.5	18.7	16.1
135°	41.6	38.1	35.0	32.2	29.4	26.8	24.4	22.2	20.3	18.3	16.2
137.5°	40.0	36.6	33.4	30.8	28.4	26.0	23.7	21.4	19.2	17.1	14.9
140°	37.8	34.8	31.9	29.0	26.4	24.3	22.6	20.6	18.5	16.4	14.3
142.5°	35.1	32.1	29.5	27.1	24.6	22.7	20.8	19.2	17.5	15.7	13.7
145°	32.2	29.2	26.4	24.4	23.0	21.5	19.8	18.0	16.1	14.4	12.7
147.5°	28.1	25.9	24.6	22.9	21.3	19.7	18.3	16.8	15.3	13.6	11.9
150°	25.2	23.7	22.5	21.3	20.1	18.5	17.0	15.4	13.9	12.5	11.0
152.5°	23.6	22.2	20.8	19.4	18.2	17.0	15.7	14.4	13.1	11.6	10.2
155°	22.4	20.9	19.5	18.1	16.8	15.5	14.3	13.0	11.8	10.6	9.3
157.5°	20.8	19.6	18.4	17.1	15.8	14.5	13.2	12.0	10.8	9.6	8.4
160°	18.9	17.8	16.8	15.7	14.6	13.5	12.4	11.2	10.1	8.9	7.8
162.5°	17.3	16.3	15.2	14.2	13.1	12.1	11.2	10.2	9.2	8.2	7.2
165°	15.5	14.6	13.7	12.8	11.9	11.0	10.0	9.1	8.2	7.3	6.4
167.5°	13.3	12.7	11.9	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6
170°	10.9	10.3	9.8	9.2	8.6	7.9	7.3	6.7	6.0	5.4	4.7
172.5°	8.3	7.9	7.5	7.0	6.6	6.1	5.6	5.1	4.6	4.1	3.6
175°	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.5	3.2	2.8	2.5
177.5°	3.0	2.9	2.7	2.6	2.4	2.2	2.0	1.9	1.7	1.5	1.3
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	1.1	0.9	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
5°	2.1	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
7.5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
10°	4.1	3.4	2.7	2.0	1.4	0.7	0.0	0.7	1.4	2.0	2.7
12.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
15°	5.5	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
17.5°	6.2	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
20°	6.7	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
22.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
25°	8.0	6.7	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
27.5°	8.7	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
30°	9.5	7.9	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
32.5°	10.2	8.5	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
35°	11.0	9.2	7.4	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.4
37.5°	11.8	9.8	7.8	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.8
40°	12.3	10.2	8.2	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
42.5°	12.9	10.9	8.8	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.8
45°	13.7	11.3	8.9	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.9
47.5°	13.6	11.3	9.0	6.8	4.5	2.2	0.0	2.2	4.5	6.8	9.0
50°	13.9	11.4	9.0	6.6	4.4	2.2	0.0	2.2	4.4	6.6	9.0
52.5°	13.6	11.2	9.0	6.7	4.4	2.2	0.0	2.2	4.4	6.7	9.0
55°	13.9	11.3	8.8	6.4	4.2	2.1	0.0	2.1	4.2	6.4	8.8
57.5°	13.3	10.6	8.2	6.0	3.9	1.9	0.0	1.9	3.9	6.0	8.2
60°	12.1	9.9	7.8	5.8	3.8	1.9	0.0	1.9	3.8	5.8	7.8
62.5°	11.6	9.8	7.4	5.3	3.4	1.6	0.0	1.6	3.4	5.3	7.4
65°	10.9	8.6	6.4	4.4	2.8	1.3	0.0	1.3	2.8	4.4	6.4
67.5°	9.8	7.5	5.4	3.8	2.4	1.2	0.0	1.2	2.4	3.8	5.4
70°	9.1	6.7	4.8	3.0	2.0	1.4	1.1	1.4	2.0	3.0	4.8
72.5°	8.1	5.7	3.5	2.2	1.9	1.5	1.1	1.5	1.9	2.2	3.5
75°	7.3	4.8	3.0	2.0	1.4	1.1	1.1	1.1	1.4	2.0	3.0
77.5°	5.9	3.4	1.8	0.9	0.4	0.1	0.0	0.1	0.4	0.9	1.8
80°	4.0	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
82.5°	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	4.0	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
102.5°	5.9	3.4	1.8	0.9	0.4	0.1	0.0	0.1	0.4	0.9	1.8
105°	7.3	4.8	3.0	2.0	1.4	1.1	1.1	1.1	1.4	2.0	3.0
107.5°	8.1	5.7	3.5	2.2	1.9	1.5	1.1	1.5	1.9	2.2	3.5
110°	9.1	6.7	4.8	3.0	2.0	1.4	1.1	1.4	2.0	3.0	4.8



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	9.8	7.5	5.4	3.8	2.4	1.2	0.0	1.2	2.4	3.8	5.4
115°	10.9	8.6	6.4	4.4	2.8	1.3	0.0	1.3	2.8	4.4	6.4
117.5°	11.6	9.8	7.4	5.3	3.4	1.6	0.0	1.6	3.4	5.3	7.4
120°	12.1	9.9	7.8	5.8	3.8	1.9	0.0	1.9	3.8	5.8	7.8
122.5°	13.3	10.6	8.2	6.0	3.9	1.9	0.0	1.9	3.9	6.0	8.2
125°	13.9	11.3	8.8	6.4	4.2	2.1	0.0	2.1	4.2	6.4	8.8
127.5°	13.6	11.2	9.0	6.7	4.4	2.2	0.0	2.2	4.4	6.7	9.0
130°	13.9	11.4	9.0	6.6	4.4	2.2	0.0	2.2	4.4	6.6	9.0
132.5°	13.6	11.3	9.0	6.8	4.5	2.2	0.0	2.2	4.5	6.8	9.0
135°	13.7	11.3	8.9	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.9
137.5°	12.9	10.9	8.8	6.6	4.4	2.2	0.0	2.2	4.4	6.6	8.8
140°	12.3	10.2	8.2	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.2
142.5°	11.8	9.8	7.8	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.8
145°	11.0	9.2	7.4	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.4
147.5°	10.2	8.5	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
150°	9.5	7.9	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
152.5°	8.7	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
155°	8.0	6.7	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
157.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
160°	6.7	5.5	4.4	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4
162.5°	6.2	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
165°	5.5	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
167.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
170°	4.1	3.4	2.7	2.0	1.4	0.7	0.0	0.7	1.4	2.0	2.7
172.5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
175°	2.1	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
177.5°	1.1	0.9	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	0.9	1.1	1.3	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7
5°	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.2	4.5	4.8	5.1
7.5°	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.0	7.5
10°	3.4	4.1	4.7	5.4	6.0	6.7	7.3	7.9	8.6	9.2	9.8
12.5°	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.4	11.2	11.9
15°	4.5	5.5	6.4	7.3	8.2	9.1	10.0	11.0	11.9	12.8	13.7
17.5°	5.1	6.2	7.2	8.2	9.2	10.2	11.2	12.1	13.1	14.2	15.2
20°	5.5	6.7	7.8	8.9	10.1	11.2	12.4	13.5	14.6	15.7	16.8
22.5°	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.5	15.8	17.1	18.4
25°	6.7	8.0	9.3	10.6	11.8	13.0	14.3	15.5	16.8	18.1	19.5
27.5°	7.3	8.7	10.2	11.6	13.1	14.4	15.7	17.0	18.2	19.4	20.8
30°	7.9	9.5	11.0	12.5	13.9	15.4	17.0	18.5	20.1	21.3	22.5
32.5°	8.5	10.2	11.9	13.6	15.3	16.8	18.3	19.7	21.3	22.9	24.6
35°	9.2	11.0	12.7	14.4	16.1	18.0	19.8	21.5	23.0	24.4	26.4
37.5°	9.8	11.8	13.7	15.7	17.5	19.2	20.8	22.7	24.6	27.1	29.5
40°	10.2	12.3	14.3	16.4	18.5	20.6	22.6	24.3	26.4	29.0	31.9
42.5°	10.9	12.9	14.9	17.1	19.2	21.4	23.7	26.0	28.4	30.8	33.4
45°	11.3	13.7	16.2	18.3	20.3	22.2	24.4	26.8	29.4	32.2	35.0
47.5°	11.3	13.6	16.1	18.7	21.5	23.3	25.0	27.1	29.9	33.0	36.0
50°	11.4	13.9	16.4	18.9	20.7	22.9	25.4	27.6	29.9	33.1	36.7
52.5°	11.2	13.6	16.3	18.6	20.5	22.3	24.5	27.3	30.2	33.0	36.6
55°	11.3	13.9	16.1	17.7	19.8	21.9	24.0	26.4	29.5	32.9	36.3
57.5°	10.6	13.3	15.3	17.3	19.2	21.3	23.6	25.9	28.6	32.1	36.0
60°	9.9	12.1	14.2	16.3	18.5	20.7	23.2	25.6	28.1	31.3	36.7
62.5°	9.8	11.6	13.3	15.5	17.8	20.0	22.5	25.5	28.6	33.1	38.4
65°	8.6	10.9	13.4	15.2	17.2	19.6	21.9	25.8	30.5	35.1	40.5
67.5°	7.5	9.8	12.4	15.3	17.3	19.4	23.0	26.8	31.6	36.9	42.6
70°	6.7	9.1	11.6	14.3	17.7	20.5	23.9	28.0	32.5	38.3	44.6
72.5°	5.7	8.1	11.0	14.0	17.3	21.2	24.9	29.1	33.8	39.6	46.3
75°	4.8	7.3	9.8	13.7	17.2	21.3	25.6	30.2	35.0	40.8	47.8
77.5°	3.4	5.9	8.6	12.4	17.2	21.3	25.9	31.3	36.3	42.0	48.5
80°	1.9	4.0	7.3	10.9	16.7	21.6	26.1	31.4	36.9	42.6	49.1
82.5°	0.9	2.6	5.8	10.1	15.5	21.2	25.9	31.2	37.4	43.5	50.2
85°	0.4	1.9	5.1	9.5	14.8	21.0	26.0	31.3	38.0	44.6	51.6
87.5°	0.1	1.4	5.0	9.4	14.7	21.2	26.5	31.8	39.0	46.1	53.4
90°	0.0	1.1	5.5	9.8	15.3	21.8	27.3	32.7	40.3	48.0	55.6
92.5°	0.1	1.4	5.0	9.4	14.7	21.2	26.5	31.8	39.0	46.1	53.4
95°	0.4	1.9	5.1	9.5	14.8	21.0	26.0	31.3	38.0	44.6	51.6
97.5°	0.9	2.6	5.8	10.1	15.5	21.2	25.9	31.2	37.4	43.5	50.2
100°	1.9	4.0	7.3	10.9	16.7	21.6	26.1	31.4	36.9	42.6	49.1
102.5°	3.4	5.9	8.6	12.4	17.2	21.3	25.9	31.3	36.3	42.0	48.5
105°	4.8	7.3	9.8	13.7	17.2	21.3	25.6	30.2	35.0	40.8	47.8
107.5°	5.7	8.1	11.0	14.0	17.3	21.2	24.9	29.1	33.8	39.6	46.3
110°	6.7	9.1	11.6	14.3	17.7	20.5	23.9	28.0	32.5	38.3	44.6



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	7.5	9.8	12.4	15.3	17.3	19.4	23.0	26.8	31.6	36.9	42.6
115°	8.6	10.9	13.4	15.2	17.2	19.6	21.9	25.8	30.5	35.1	40.5
117.5°	9.8	11.6	13.3	15.5	17.8	20.0	22.5	25.5	28.6	33.1	38.4
120°	9.9	12.1	14.2	16.3	18.5	20.7	23.2	25.6	28.1	31.3	36.7
122.5°	10.6	13.3	15.3	17.3	19.2	21.3	23.6	25.9	28.6	32.1	36.0
125°	11.3	13.9	16.1	17.7	19.8	21.9	24.0	26.4	29.5	32.9	36.3
127.5°	11.2	13.6	16.3	18.6	20.5	22.3	24.5	27.3	30.2	33.0	36.6
130°	11.4	13.9	16.4	18.9	20.7	22.9	25.4	27.6	29.9	33.1	36.7
132.5°	11.3	13.6	16.1	18.7	21.5	23.3	25.0	27.1	29.9	33.0	36.0
135°	11.3	13.7	16.2	18.3	20.3	22.2	24.4	26.8	29.4	32.2	35.0
137.5°	10.9	12.9	14.9	17.1	19.2	21.4	23.7	26.0	28.4	30.8	33.4
140°	10.2	12.3	14.3	16.4	18.5	20.6	22.6	24.3	26.4	29.0	31.9
142.5°	9.8	11.8	13.7	15.7	17.5	19.2	20.8	22.7	24.6	27.1	29.5
145°	9.2	11.0	12.7	14.4	16.1	18.0	19.8	21.5	23.0	24.4	26.4
147.5°	8.5	10.2	11.9	13.6	15.3	16.8	18.3	19.7	21.3	22.9	24.6
150°	7.9	9.5	11.0	12.5	13.9	15.4	17.0	18.5	20.1	21.3	22.5
152.5°	7.3	8.7	10.2	11.6	13.1	14.4	15.7	17.0	18.2	19.4	20.8
155°	6.7	8.0	9.3	10.6	11.8	13.0	14.3	15.5	16.8	18.1	19.5
157.5°	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.5	15.8	17.1	18.4
160°	5.5	6.7	7.8	8.9	10.1	11.2	12.4	13.5	14.6	15.7	16.8
162.5°	5.1	6.2	7.2	8.2	9.2	10.2	11.2	12.1	13.1	14.2	15.2
165°	4.5	5.5	6.4	7.3	8.2	9.1	10.0	11.0	11.9	12.8	13.7
167.5°	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.4	11.2	11.9
170°	3.4	4.1	4.7	5.4	6.0	6.7	7.3	7.9	8.6	9.2	9.8
172.5°	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.0	7.5
175°	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.2	4.5	4.8	5.1
177.5°	0.9	1.1	1.3	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	2.9	3.0	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2
5°	5.4	5.7	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.8	8.0
7.5°	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.0	11.4	11.7
10°	10.3	10.9	11.4	12.0	12.5	13.0	13.4	13.9	14.3	14.8	15.2
12.5°	12.7	13.3	14.0	14.7	15.3	16.0	16.5	17.1	17.7	18.2	18.7
15°	14.6	15.5	16.4	17.3	18.1	18.8	19.6	20.3	20.9	21.6	22.2
17.5°	16.3	17.3	18.4	19.4	20.5	21.5	22.5	23.3	24.1	24.9	25.6
20°	17.8	18.9	20.1	21.3	22.5	23.7	24.9	26.1	27.2	28.1	28.9
22.5°	19.6	20.8	21.9	23.0	24.4	25.7	27.1	28.5	29.8	31.2	32.2
25°	20.9	22.4	23.9	25.1	26.4	27.6	29.1	30.7	32.2	33.8	36.6
27.5°	22.2	23.6	25.2	26.9	28.5	29.8	32.5	35.7	39.2	42.8	46.5
30°	23.7	25.2	26.6	29.1	32.5	36.0	39.4	42.8	46.6	51.0	55.4
32.5°	25.9	28.1	30.6	33.8	37.1	41.0	45.1	49.2	53.4	58.1	63.4
35°	29.2	32.2	34.9	37.9	41.5	45.4	49.8	54.7	59.5	64.6	70.5
37.5°	32.1	35.1	38.4	41.8	45.3	49.4	54.0	59.3	64.9	70.7	76.8
40°	34.8	37.8	41.1	44.9	48.8	52.9	57.8	63.3	69.6	76.1	83.1
42.5°	36.6	40.0	43.6	47.4	51.7	56.3	61.2	67.1	73.7	81.0	88.7
45°	38.1	41.6	45.5	49.7	54.2	59.1	64.5	70.3	77.5	85.4	93.8
47.5°	39.3	42.9	47.0	51.4	56.3	61.7	67.3	73.6	81.0	89.3	98.7
50°	40.1	43.9	48.2	52.9	58.0	63.8	69.9	76.8	85.0	93.5	101.8
52.5°	40.8	44.7	49.1	54.2	59.5	67.1	75.3	83.4	91.4	99.0	105.9
55°	40.6	45.3	50.1	57.0	64.6	72.5	81.5	90.3	98.5	105.7	111.3
57.5°	40.3	47.0	53.7	60.6	69.1	77.9	87.3	97.1	106.1	113.3	118.0
60°	42.7	49.2	56.8	64.2	72.9	82.8	92.8	103.7	113.5	121.1	125.7
62.5°	44.9	51.6	59.3	67.7	76.2	87.2	98.2	109.8	120.7	129.4	134.3
65°	46.8	54.0	61.6	70.8	79.8	91.1	103.3	115.7	128.0	138.2	143.7
67.5°	48.7	56.3	64.3	73.5	83.5	94.7	108.3	121.6	135.4	146.6	152.3
70°	51.0	58.5	67.0	76.3	87.0	98.1	113.0	127.4	142.1	153.9	158.8
72.5°	53.5	60.7	69.8	79.1	90.4	101.3	115.4	129.6	142.7	152.8	157.4
75°	55.9	62.7	71.0	79.9	90.4	102.2	116.1	130.5	143.3	152.6	156.4
77.5°	56.0	63.1	71.1	80.1	90.7	103.1	117.2	131.9	144.6	153.0	155.8
80°	56.4	63.9	71.6	80.7	91.2	104.1	118.7	133.7	146.5	154.1	155.4
82.5°	57.2	64.9	72.4	81.5	92.0	105.3	120.8	135.9	148.9	155.6	155.2
85°	58.4	66.2	73.7	82.6	93.2	106.8	123.3	138.6	151.7	157.4	155.1
87.5°	60.1	67.8	75.4	84.2	94.9	108.7	126.2	141.6	154.8	159.3	155.0
90°	62.1	69.8	77.4	86.1	97.0	111.2	129.7	145.0	158.1	161.3	154.8
92.5°	60.1	67.8	75.4	84.2	94.9	108.7	126.2	141.6	154.8	159.3	155.0
95°	58.4	66.2	73.7	82.6	93.2	106.8	123.3	138.6	151.7	157.4	155.1
97.5°	57.2	64.9	72.4	81.5	92.0	105.3	120.8	135.9	148.9	155.6	155.2
100°	56.4	63.9	71.6	80.7	91.2	104.1	118.7	133.7	146.5	154.1	155.4
102.5°	56.0	63.1	71.1	80.1	90.7	103.1	117.2	131.9	144.6	153.0	155.8
105°	55.9	62.7	71.0	79.9	90.4	102.2	116.1	130.5	143.3	152.6	156.4
107.5°	53.5	60.7	69.8	79.1	90.4	101.3	115.4	129.6	142.7	152.8	157.4
110°	51.0	58.5	67.0	76.3	87.0	98.1	113.0	127.4	142.1	153.9	158.8



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	48.7	56.3	64.3	73.5	83.5	94.7	108.3	121.6	135.4	146.6	152.3
115°	46.8	54.0	61.6	70.8	79.8	91.1	103.3	115.7	128.0	138.2	143.7
117.5°	44.9	51.6	59.3	67.7	76.2	87.2	98.2	109.8	120.7	129.4	134.3
120°	42.7	49.2	56.8	64.2	72.9	82.8	92.8	103.7	113.5	121.1	125.7
122.5°	40.3	47.0	53.7	60.6	69.1	77.9	87.3	97.1	106.1	113.3	118.0
125°	40.6	45.3	50.1	57.0	64.6	72.5	81.5	90.3	98.5	105.7	111.3
127.5°	40.8	44.7	49.1	54.2	59.5	67.1	75.3	83.4	91.4	99.0	105.9
130°	40.1	43.9	48.2	52.9	58.0	63.8	69.9	76.8	85.0	93.5	101.8
132.5°	39.3	42.9	47.0	51.4	56.3	61.7	67.3	73.6	81.0	89.3	98.7
135°	38.1	41.6	45.5	49.7	54.2	59.1	64.5	70.3	77.5	85.4	93.8
137.5°	36.6	40.0	43.6	47.4	51.7	56.3	61.2	67.1	73.7	81.0	88.7
140°	34.8	37.8	41.1	44.9	48.8	52.9	57.8	63.3	69.6	76.1	83.1
142.5°	32.1	35.1	38.4	41.8	45.3	49.4	54.0	59.3	64.9	70.7	76.8
145°	29.2	32.2	34.9	37.9	41.5	45.4	49.8	54.7	59.5	64.6	70.5
147.5°	25.9	28.1	30.6	33.8	37.1	41.0	45.1	49.2	53.4	58.1	63.4
150°	23.7	25.2	26.6	29.1	32.5	36.0	39.4	42.8	46.6	51.0	55.4
152.5°	22.2	23.6	25.2	26.9	28.5	29.8	32.5	35.7	39.2	42.8	46.5
155°	20.9	22.4	23.9	25.1	26.4	27.6	29.1	30.7	32.2	33.8	36.6
157.5°	19.6	20.8	21.9	23.0	24.4	25.7	27.1	28.5	29.8	31.2	32.2
160°	17.8	18.9	20.1	21.3	22.5	23.7	24.9	26.1	27.2	28.1	28.9
162.5°	16.3	17.3	18.4	19.4	20.5	21.5	22.5	23.3	24.1	24.9	25.6
165°	14.6	15.5	16.4	17.3	18.1	18.8	19.6	20.3	20.9	21.6	22.2
167.5°	12.7	13.3	14.0	14.7	15.3	16.0	16.5	17.1	17.7	18.2	18.7
170°	10.3	10.9	11.4	12.0	12.5	13.0	13.4	13.9	14.3	14.8	15.2
172.5°	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.0	11.4	11.7
175°	5.4	5.7	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.8	8.0
177.5°	2.9	3.0	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	4.3	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	5.5
5°	8.3	8.5	8.7	8.9	9.0	9.2	9.4	9.5	9.6	9.7	11.0
7.5°	12.0	12.3	12.6	12.9	13.3	13.6	13.8	14.1	14.3	14.5	16.5
10°	15.7	16.1	16.5	16.8	17.3	17.8	18.2	18.6	19.0	19.4	21.9
12.5°	19.2	19.7	20.3	20.7	21.2	21.8	22.5	23.1	23.7	24.2	27.4
15°	22.7	23.3	23.9	24.6	25.2	25.8	26.6	27.4	28.3	29.1	32.8
17.5°	26.3	26.9	27.5	28.3	29.0	29.7	30.6	31.7	32.9	33.9	38.2
20°	29.7	30.5	31.2	31.9	32.8	33.7	34.6	36.0	37.4	38.8	43.6
22.5°	33.1	34.0	34.9	35.7	36.5	37.6	38.6	40.1	41.9	43.6	49.0
25°	39.3	41.7	44.1	46.0	47.7	49.2	50.5	51.9	53.6	55.1	60.5
27.5°	50.2	53.4	56.6	59.0	60.9	62.3	63.3	64.1	65.5	66.6	72.0
30°	59.9	64.4	68.3	72.1	74.0	75.7	76.3	76.5	77.5	78.1	83.3
32.5°	68.8	74.4	79.5	84.2	87.3	89.0	89.5	89.2	89.5	89.6	94.5
35°	76.9	83.5	90.1	95.8	100.5	102.3	102.9	102.1	101.6	101.2	105.7
37.5°	84.3	91.9	99.7	106.8	113.8	115.7	116.5	115.0	113.8	112.7	116.7
40°	90.9	99.7	108.7	117.4	125.3	129.1	130.3	128.2	126.1	124.2	127.7
42.5°	96.9	106.9	117.2	127.9	136.7	142.5	144.2	141.4	138.5	135.7	138.6
45°	103.0	113.5	125.1	136.9	147.7	155.9	157.6	154.7	150.9	147.2	149.3
47.5°	108.2	117.8	128.8	139.9	150.4	159.5	161.7	160.9	159.7	159.4	165.6
50°	109.8	118.0	128.3	139.1	149.9	160.2	164.4	166.4	168.1	171.6	182.3
52.5°	112.5	119.6	128.4	138.6	149.6	160.3	166.8	171.4	176.3	183.9	199.2
55°	116.6	122.1	129.1	138.5	149.3	160.4	168.9	176.1	184.2	196.1	216.4
57.5°	121.7	125.4	130.4	138.8	149.3	160.7	170.8	180.4	191.9	208.3	233.9
60°	127.7	129.5	132.5	139.8	149.6	160.9	172.4	184.3	199.4	220.5	251.5
62.5°	134.6	134.4	135.7	141.2	150.1	161.3	173.9	188.1	206.7	232.8	269.4
65°	142.3	140.2	139.5	143.0	150.8	161.7	175.2	191.5	213.9	245.0	287.4
67.5°	150.6	146.7	143.8	145.1	151.7	162.2	176.3	194.8	220.9	257.2	305.5
70°	155.8	149.7	145.3	145.1	150.8	161.0	174.8	193.1	219.2	255.9	304.7
72.5°	155.0	149.0	144.7	144.3	149.6	159.7	173.1	191.4	217.4	254.6	303.6
75°	154.0	147.9	144.1	143.4	148.5	158.5	171.6	189.7	215.7	253.2	304.1
77.5°	153.0	146.7	143.3	142.7	147.5	157.4	170.1	188.2	214.1	251.9	302.3
80°	151.8	145.2	142.4	141.9	146.6	156.4	168.8	186.7	212.5	250.6	300.5
82.5°	150.6	143.7	141.4	141.2	145.8	155.6	167.6	185.4	211.1	249.3	298.7
85°	149.2	142.0	140.5	140.6	145.1	154.9	166.5	184.2	209.7	247.9	296.8
87.5°	147.7	140.2	139.4	140.0	144.4	154.2	165.5	183.0	208.3	246.6	295.0
90°	146.1	138.4	138.4	139.5	143.9	153.7	164.6	182.0	207.1	245.3	293.2
92.5°	147.7	140.2	139.4	140.0	144.4	154.2	165.5	183.0	208.3	246.6	295.0
95°	149.2	142.0	140.5	140.6	145.1	154.9	166.5	184.2	209.7	247.9	296.8
97.5°	150.6	143.7	141.4	141.2	145.8	155.6	167.6	185.4	211.1	249.3	298.7
100°	151.8	145.2	142.4	141.9	146.6	156.4	168.8	186.7	212.5	250.6	300.5
102.5°	153.0	146.7	143.3	142.7	147.5	157.4	170.1	188.2	214.1	251.9	302.3
105°	154.0	147.9	144.1	143.4	148.5	158.5	171.6	189.7	215.7	253.2	304.1
107.5°	155.0	149.0	144.7	144.3	149.6	159.7	173.1	191.4	217.4	254.6	303.6
110°	155.8	149.7	145.3	145.1	150.8	161.0	174.8	193.1	219.2	255.9	304.7



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	150.6	146.7	143.8	145.1	151.7	162.2	176.3	194.8	220.9	257.2	305.5
115°	142.3	140.2	139.5	143.0	150.8	161.7	175.2	191.5	213.9	245.0	287.4
117.5°	134.6	134.4	135.7	141.2	150.1	161.3	173.9	188.1	206.7	232.8	269.4
120°	127.7	129.5	132.5	139.8	149.6	160.9	172.4	184.3	199.4	220.5	251.5
122.5°	121.7	125.4	130.4	138.8	149.3	160.7	170.8	180.4	191.9	208.3	233.9
125°	116.6	122.1	129.1	138.5	149.3	160.4	168.9	176.1	184.2	196.1	216.4
127.5°	112.5	119.6	128.4	138.6	149.6	160.3	166.8	171.4	176.3	183.9	199.2
130°	109.8	118.0	128.3	139.1	149.9	160.2	164.4	166.4	168.1	171.6	182.3
132.5°	108.2	117.8	128.8	139.9	150.4	159.5	161.7	160.9	159.7	159.4	165.6
135°	103.0	113.5	125.1	136.9	147.7	155.9	157.6	154.7	150.9	147.2	149.3
137.5°	96.9	106.9	117.2	127.9	136.7	142.5	144.2	141.4	138.5	135.7	138.6
140°	90.9	99.7	108.7	117.4	125.3	129.1	130.3	128.2	126.1	124.2	127.7
142.5°	84.3	91.9	99.7	106.8	113.8	115.7	116.5	115.0	113.8	112.7	116.7
145°	76.9	83.5	90.1	95.8	100.5	102.3	102.9	102.1	101.6	101.2	105.7
147.5°	68.8	74.4	79.5	84.2	87.3	89.0	89.5	89.2	89.5	89.6	94.5
150°	59.9	64.4	68.3	72.1	74.0	75.7	76.3	76.5	77.5	78.1	83.3
152.5°	50.2	53.4	56.6	59.0	60.9	62.3	63.3	64.1	65.5	66.6	72.0
155°	39.3	41.7	44.1	46.0	47.7	49.2	50.5	51.9	53.6	55.1	60.5
157.5°	33.1	34.0	34.9	35.7	36.5	37.6	38.6	40.1	41.9	43.6	49.0
160°	29.7	30.5	31.2	31.9	32.8	33.7	34.6	36.0	37.4	38.8	43.6
162.5°	26.3	26.9	27.5	28.3	29.0	29.7	30.6	31.7	32.9	33.9	38.2
165°	22.7	23.3	23.9	24.6	25.2	25.8	26.6	27.4	28.3	29.1	32.8
167.5°	19.2	19.7	20.3	20.7	21.2	21.8	22.5	23.1	23.7	24.2	27.4
170°	15.7	16.1	16.5	16.8	17.3	17.8	18.2	18.6	19.0	19.4	21.9
172.5°	12.0	12.3	12.6	12.9	13.3	13.6	13.8	14.1	14.3	14.5	16.5
175°	8.3	8.5	8.7	8.9	9.0	9.2	9.4	9.5	9.6	9.7	11.0
177.5°	4.3	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	5.5
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	6.1	6.8	7.4	8.0	8.6	9.2	9.7	10.3	10.8	11.3	11.8
5°	12.3	13.5	14.8	16.0	17.1	18.3	19.4	20.5	21.5	22.5	23.5
7.5°	18.4	20.2	22.1	23.9	25.6	27.3	29.1	31.1	33.0	34.9	36.7
10°	24.4	26.9	29.3	31.7	34.1	37.0	39.9	42.6	45.3	47.8	50.4
12.5°	30.5	33.5	36.5	39.8	43.6	47.3	50.9	54.4	57.6	60.6	63.5
15°	36.5	40.1	43.8	48.6	53.2	57.7	62.0	66.0	69.7	73.4	77.3
17.5°	42.5	46.6	51.8	57.4	62.9	68.1	72.9	77.5	81.9	86.0	90.0
20°	48.4	53.3	59.9	66.4	72.7	78.3	83.7	89.0	94.0	98.7	103.3
22.5°	54.3	60.5	68.0	75.5	82.1	88.4	94.6	100.5	106.2	111.3	115.3
25°	65.7	72.5	80.2	87.6	94.2	100.6	106.9	113.0	118.4	122.6	126.9
27.5°	77.1	84.7	92.6	100.0	107.0	113.8	120.5	126.7	131.3	135.7	137.5
30°	88.3	96.5	104.7	112.1	119.9	126.6	133.6	139.0	143.9	146.6	148.1
32.5°	99.8	108.0	116.1	123.9	131.5	139.0	145.6	151.1	155.0	157.2	159.1
35°	111.1	119.3	127.5	135.5	143.3	151.5	157.1	162.6	165.6	168.2	170.1
37.5°	122.2	130.3	138.6	146.8	154.8	162.1	168.4	173.0	176.9	179.0	181.4
40°	133.1	141.0	149.4	157.8	165.9	173.0	179.3	183.7	187.2	189.8	193.5
42.5°	143.9	151.5	160.1	168.5	176.7	183.7	189.7	194.8	197.8	201.1	204.9
45°	154.5	162.0	170.5	179.0	187.0	194.2	200.3	205.1	208.4	212.1	216.5
47.5°	174.7	185.3	195.6	202.5	207.7	211.7	214.8	216.5	219.0	222.8	227.6
50°	196.0	210.7	224.2	230.9	234.6	236.6	237.8	237.9	238.6	240.0	242.0
52.5°	217.7	236.7	252.5	259.1	260.7	260.4	259.5	258.6	259.3	261.4	265.0
55°	239.9	263.3	280.6	286.5	286.1	283.0	280.4	279.3	280.0	282.6	287.9
57.5°	262.5	290.4	308.5	313.0	310.5	304.6	300.7	299.6	300.9	304.4	310.9
60°	285.5	318.0	336.3	338.9	333.8	325.4	320.4	319.7	321.8	326.6	334.6
62.5°	308.8	346.0	364.0	364.4	356.4	346.0	340.0	339.5	342.4	348.6	358.1
65°	332.3	374.3	391.6	389.5	378.3	366.2	360.0	359.7	363.0	370.5	380.7
67.5°	356.0	402.8	419.1	414.2	399.7	386.1	379.8	380.1	384.4	392.4	402.7
70°	356.6	406.1	425.8	425.4	412.3	399.9	395.3	397.4	403.9	413.7	424.2
72.5°	356.2	407.3	430.1	434.2	421.9	410.1	406.6	410.1	417.9	428.1	439.7
75°	355.6	408.3	434.8	443.8	431.8	420.5	418.0	422.9	431.7	442.2	454.4
77.5°	354.8	409.1	439.8	454.1	441.9	430.9	429.3	435.7	445.3	455.9	468.8
80°	355.5	409.6	445.1	464.9	452.3	441.5	440.7	448.6	458.7	469.3	482.9
82.5°	353.6	411.4	451.8	475.9	462.9	452.2	452.0	461.4	471.9	482.3	496.8
85°	351.6	410.5	456.3	487.7	473.4	462.7	463.4	474.6	484.8	495.1	510.3
87.5°	349.7	409.7	460.9	498.3	484.7	473.9	474.8	486.9	497.7	507.8	523.7
90°	347.7	408.8	465.4	509.0	496.0	485.1	486.1	499.2	510.1	519.9	536.3
92.5°	349.7	409.7	460.9	498.3	484.7	473.9	474.8	486.9	497.7	507.8	523.7
95°	351.6	410.5	456.3	487.7	473.4	462.7	463.4	474.6	484.8	495.1	510.3
97.5°	353.6	411.4	451.8	475.9	462.9	452.2	452.0	461.4	471.9	482.3	496.8
100°	355.5	409.6	445.1	464.9	452.3	441.5	440.7	448.6	458.7	469.3	482.9
102.5°	354.8	409.1	439.8	454.1	441.9	430.9	429.3	435.7	445.3	455.9	468.8
105°	355.6	408.3	434.8	443.8	431.8	420.5	418.0	422.9	431.7	442.2	454.4
107.5°	356.2	407.3	430.1	434.2	421.9	410.1	406.6	410.1	417.9	428.1	439.7
110°	356.6	406.1	425.8	425.4	412.3	399.9	395.3	397.4	403.9	413.7	424.2



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	356.0	402.8	419.1	414.2	399.7	386.1	379.8	380.1	384.4	392.4	402.7
115°	332.3	374.3	391.6	389.5	378.3	366.2	360.0	359.7	363.0	370.5	380.7
117.5°	308.8	346.0	364.0	364.4	356.4	346.0	340.0	339.5	342.4	348.6	358.1
120°	285.5	318.0	336.3	338.9	333.8	325.4	320.4	319.7	321.8	326.6	334.6
122.5°	262.5	290.4	308.5	313.0	310.5	304.6	300.7	299.6	300.9	304.4	310.9
125°	239.9	263.3	280.6	286.5	286.1	283.0	280.4	279.3	280.0	282.6	287.9
127.5°	217.7	236.7	252.5	259.1	260.7	260.4	259.5	258.6	259.3	261.4	265.0
130°	196.0	210.7	224.2	230.9	234.6	236.6	237.8	237.9	238.6	240.0	242.0
132.5°	174.7	185.3	195.6	202.5	207.7	211.7	214.8	216.5	219.0	222.8	227.6
135°	154.5	162.0	170.5	179.0	187.0	194.2	200.3	205.1	208.4	212.1	216.5
137.5°	143.9	151.5	160.1	168.5	176.7	183.7	189.7	194.8	197.8	201.1	204.9
140°	133.1	141.0	149.4	157.8	165.9	173.0	179.3	183.7	187.2	189.8	193.5
142.5°	122.2	130.3	138.6	146.8	154.8	162.1	168.4	173.0	176.9	179.0	181.4
145°	111.1	119.3	127.5	135.5	143.3	151.5	157.1	162.6	165.6	168.2	170.1
147.5°	99.8	108.0	116.1	123.9	131.5	139.0	145.6	151.1	155.0	157.2	159.1
150°	88.3	96.5	104.7	112.1	119.9	126.6	133.6	139.0	143.9	146.6	148.1
152.5°	77.1	84.7	92.6	100.0	107.0	113.8	120.5	126.7	131.3	135.7	137.5
155°	65.7	72.5	80.2	87.6	94.2	100.6	106.9	113.0	118.4	122.6	126.9
157.5°	54.3	60.5	68.0	75.5	82.1	88.4	94.6	100.5	106.2	111.3	115.3
160°	48.4	53.3	59.9	66.4	72.7	78.3	83.7	89.0	94.0	98.7	103.3
162.5°	42.5	46.6	51.8	57.4	62.9	68.1	72.9	77.5	81.9	86.0	90.0
165°	36.5	40.1	43.8	48.6	53.2	57.7	62.0	66.0	69.7	73.4	77.3
167.5°	30.5	33.5	36.5	39.8	43.6	47.3	50.9	54.4	57.6	60.6	63.5
170°	24.4	26.9	29.3	31.7	34.1	37.0	39.9	42.6	45.3	47.8	50.4
172.5°	18.4	20.2	22.1	23.9	25.6	27.3	29.1	31.1	33.0	34.9	36.7
175°	12.3	13.5	14.8	16.0	17.1	18.3	19.4	20.5	21.5	22.5	23.5
177.5°	6.1	6.8	7.4	8.0	8.6	9.2	9.7	10.3	10.8	11.3	11.8
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	12.2	12.7	13.1	13.5	13.8	14.2	14.5	14.8	15.0	15.3	15.5
5°	24.6	25.7	26.7	27.7	28.6	29.4	30.2	30.9	31.5	32.1	32.6
7.5°	38.4	40.1	41.6	43.1	44.4	45.6	46.7	47.8	48.7	49.5	50.2
10°	52.4	54.5	56.5	58.4	60.1	61.7	63.2	64.5	65.6	66.5	67.3
12.5°	66.3	68.9	71.4	73.5	75.5	77.3	79.0	80.5	81.8	82.9	83.8
15°	80.0	83.0	85.8	88.4	90.7	92.6	94.4	96.0	97.5	98.8	100.0
17.5°	93.7	97.6	100.0	102.5	105.0	107.2	109.2	111.1	113.0	114.9	116.7
20°	106.9	110.1	113.2	115.9	118.0	120.2	122.4	124.8	127.4	130.1	132.8
22.5°	119.1	122.4	124.4	126.5	128.8	131.5	134.3	137.3	140.8	145.2	149.5
25°	129.4	131.1	133.3	135.5	138.2	141.1	145.8	150.7	155.7	161.1	166.9
27.5°	138.5	139.3	140.3	142.7	147.2	152.4	158.4	164.3	171.0	177.7	184.6
30°	149.5	150.6	152.0	155.3	158.3	163.4	170.7	178.0	186.2	194.3	202.9
32.5°	160.6	162.8	166.3	170.0	175.1	180.0	185.5	191.8	201.4	212.9	224.4
35°	172.6	176.3	180.5	185.9	191.5	197.8	204.0	213.2	222.0	236.1	254.4
37.5°	185.3	189.6	195.2	201.3	208.2	216.6	227.0	238.9	255.7	273.5	291.0
40°	197.6	203.2	209.5	216.9	226.6	238.1	254.1	272.6	293.3	315.0	336.5
42.5°	210.2	216.2	223.9	234.2	246.6	265.0	285.0	309.7	335.9	359.8	384.8
45°	221.9	229.6	239.3	252.8	271.7	293.1	320.7	348.1	376.6	406.1	437.9
47.5°	234.2	242.3	256.6	274.8	297.2	326.4	356.3	387.2	421.2	456.9	492.3
50°	246.7	258.3	274.5	297.7	327.0	358.8	391.8	429.1	470.4	508.3	547.2
52.5°	270.8	282.0	299.3	322.8	358.0	390.8	429.6	474.5	516.4	559.6	602.7
55°	296.7	310.0	330.0	357.7	388.9	423.7	469.2	516.5	563.2	609.4	656.9
57.5°	321.7	337.7	360.5	389.9	422.0	464.1	510.2	558.8	607.5	656.9	708.0
60°	346.4	363.4	389.6	420.0	456.4	500.4	548.6	598.4	648.4	699.8	754.3
62.5°	371.1	389.7	416.2	447.2	488.0	533.8	583.1	633.9	683.8	736.4	795.4
65°	394.1	414.4	441.3	474.6	516.2	562.8	614.2	663.2	713.5	768.9	834.2
67.5°	415.5	436.7	464.1	499.5	541.6	589.4	640.2	686.6	737.3	800.1	883.2
70°	436.6	457.1	484.6	521.1	563.3	613.1	659.6	705.6	759.7	829.7	929.5
72.5°	454.9	476.4	503.9	539.9	581.7	635.6	674.1	719.4	778.8	863.0	966.4
75°	471.6	493.2	518.8	552.0	594.4	642.9	684.0	729.9	792.6	888.5	995.6
77.5°	487.8	507.9	530.4	560.7	601.7	646.2	689.4	741.5	814.5	911.0	1018.8
80°	503.5	521.0	539.3	566.6	605.4	648.0	692.9	750.4	832.5	932.8	1050.7
82.5°	518.6	532.6	545.9	570.0	605.8	648.2	694.3	756.3	844.8	948.2	1073.2
85°	533.1	543.2	550.8	571.3	603.5	646.5	693.6	759.0	851.4	957.1	1086.0
87.5°	547.4	553.1	554.7	571.5	599.6	644.0	691.9	760.1	855.2	962.7	1093.8
90°	560.3	562.4	558.1	570.1	593.0	637.7	685.6	754.3	848.0	954.9	1083.5
92.5°	547.4	553.1	554.7	571.5	599.6	644.0	691.9	760.1	855.2	962.7	1093.8
95°	533.1	543.2	550.8	571.3	603.5	646.5	693.6	759.0	851.4	957.1	1086.0
97.5°	518.6	532.6	545.9	570.0	605.8	648.2	694.3	756.3	844.8	948.2	1073.2
100°	503.5	521.0	539.3	566.6	605.4	648.0	692.9	750.4	832.5	932.8	1050.7
102.5°	487.8	507.9	530.4	560.7	601.7	646.2	689.4	741.5	814.5	911.0	1018.8
105°	471.6	493.2	518.8	552.0	594.4	642.9	684.0	729.9	792.6	888.5	995.6
107.5°	454.9	476.4	503.9	539.9	581.7	635.6	674.1	719.4	778.8	863.0	966.4
110°	436.6	457.1	484.6	521.1	563.3	613.1	659.6	705.6	759.7	829.7	929.5



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	415.5	436.7	464.1	499.5	541.6	589.4	640.2	686.6	737.3	800.1	883.2
115°	394.1	414.4	441.3	474.6	516.2	562.8	614.2	663.2	713.5	768.9	834.2
117.5°	371.1	389.7	416.2	447.2	488.0	533.8	583.1	633.9	683.8	736.4	795.4
120°	346.4	363.4	389.6	420.0	456.4	500.4	548.6	598.4	648.4	699.8	754.3
122.5°	321.7	337.7	360.5	389.9	422.0	464.1	510.2	558.8	607.5	656.9	708.0
125°	296.7	310.0	330.0	357.7	388.9	423.7	469.2	516.5	563.2	609.4	656.9
127.5°	270.8	282.0	299.3	322.8	358.0	390.8	429.6	474.5	516.4	559.6	602.7
130°	246.7	258.3	274.5	297.7	327.0	358.8	391.8	429.1	470.4	508.3	547.2
132.5°	234.2	242.3	256.6	274.8	297.2	326.4	356.3	387.2	421.2	456.9	492.3
135°	221.9	229.6	239.3	252.8	271.7	293.1	320.7	348.1	376.6	406.1	437.9
137.5°	210.2	216.2	223.9	234.2	246.6	265.0	285.0	309.7	335.9	359.8	384.8
140°	197.6	203.2	209.5	216.9	226.6	238.1	254.1	272.6	293.3	315.0	336.5
142.5°	185.3	189.6	195.2	201.3	208.2	216.6	227.0	238.9	255.7	273.5	291.0
145°	172.6	176.3	180.5	185.9	191.5	197.8	204.0	213.2	222.0	236.1	254.4
147.5°	160.6	162.8	166.3	170.0	175.1	180.0	185.5	191.8	201.4	212.9	224.4
150°	149.5	150.6	152.0	155.3	158.3	163.4	170.7	178.0	186.2	194.3	202.9
152.5°	138.5	139.3	140.3	142.7	147.2	152.4	158.4	164.3	171.0	177.7	184.6
155°	129.4	131.1	133.3	135.5	138.2	141.1	145.8	150.7	155.7	161.1	166.9
157.5°	119.1	122.4	124.4	126.5	128.8	131.5	134.3	137.3	140.8	145.2	149.5
160°	106.9	110.1	113.2	115.9	118.0	120.2	122.4	124.8	127.4	130.1	132.8
162.5°	93.7	97.6	100.0	102.5	105.0	107.2	109.2	111.1	113.0	114.9	116.7
165°	80.0	83.0	85.8	88.4	90.7	92.6	94.4	96.0	97.5	98.8	100.0
167.5°	66.3	68.9	71.4	73.5	75.5	77.3	79.0	80.5	81.8	82.9	83.8
170°	52.4	54.5	56.5	58.4	60.1	61.7	63.2	64.5	65.6	66.5	67.3
172.5°	38.4	40.1	41.6	43.1	44.4	45.6	46.7	47.8	48.7	49.5	50.2
175°	24.6	25.7	26.7	27.7	28.6	29.4	30.2	30.9	31.5	32.1	32.6
177.5°	12.2	12.7	13.1	13.5	13.8	14.2	14.5	14.8	15.0	15.3	15.5
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: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-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°	15.6	15.8	15.9	15.9	16.0	16.0	16.5	16.3	16.1	15.9	15.7
5°	33.0	33.4	33.7	33.9	34.1	34.1	34.1	34.1	34.5	34.0	33.6
7.5°	50.9	51.4	51.8	52.1	52.3	52.4	52.4	52.3	52.0	52.2	51.5
10°	68.0	68.5	68.9	69.1	69.2	69.2	69.1	68.8	68.4	68.3	67.4
12.5°	84.6	85.2	85.7	86.0	86.1	86.2	86.0	85.7	85.2	84.6	84.2
15°	101.3	102.5	103.6	104.6	105.5	106.2	106.7	107.1	107.3	107.2	107.5
17.5°	118.6	120.6	122.5	124.3	126.0	127.5	128.9	130.1	131.0	131.7	132.7
20°	135.5	138.4	141.7	144.7	147.6	150.2	152.6	154.7	156.6	158.0	160.0
22.5°	153.7	157.8	162.2	166.4	170.4	174.2	177.6	180.7	183.3	185.6	188.5
25°	172.5	178.1	183.4	189.0	194.2	199.1	203.7	207.9	211.6	214.9	217.6
27.5°	191.7	198.6	205.4	212.6	220.2	227.3	233.8	239.8	245.2	249.8	253.8
30°	212.3	222.2	231.7	240.9	251.8	261.6	270.4	278.1	284.8	290.4	294.9
32.5°	237.0	252.0	265.9	278.7	291.2	302.8	312.9	321.6	328.9	334.8	339.3
35°	271.7	289.6	306.5	321.9	335.7	348.0	358.2	366.5	373.0	377.7	380.7
37.5°	312.4	332.6	351.9	368.8	383.2	397.5	409.8	419.7	427.3	432.6	435.8
40°	358.6	381.0	403.5	424.0	441.9	458.7	475.1	489.4	501.3	510.7	517.4
42.5°	411.8	438.1	463.0	487.3	510.0	531.4	553.3	572.9	589.8	603.7	614.3
45°	468.4	498.2	525.9	555.8	585.0	615.7	640.4	666.3	689.2	708.7	724.3
47.5°	526.3	561.0	594.9	628.7	665.0	699.9	736.9	772.7	803.5	828.9	848.8
50°	586.7	625.9	666.6	706.7	757.6	806.5	853.4	900.3	939.5	970.9	994.5
52.5°	647.0	691.8	744.8	801.5	868.2	936.7	994.4	1045.0	1085.8	1116.9	1138.6
55°	705.9	763.3	828.0	904.9	987.1	1073.8	1141.4	1184.2	1216.4	1240.9	1257.7
57.5°	765.2	833.9	912.8	1006.3	1107.1	1185.0	1257.1	1291.7	1313.4	1329.8	1340.7
60°	820.3	899.0	998.0	1097.7	1190.9	1268.8	1328.9	1366.2	1385.7	1401.0	1411.7
62.5°	866.5	966.3	1073.4	1178.2	1265.8	1338.3	1391.6	1429.0	1448.6	1464.3	1475.7
65°	924.8	1028.6	1145.4	1252.2	1342.0	1412.5	1453.3	1483.6	1502.6	1516.5	1527.1
67.5°	984.0	1097.7	1219.6	1333.3	1422.7	1471.0	1504.9	1527.6	1545.8	1561.4	1573.1
70°	1038.0	1162.2	1289.3	1410.2	1477.9	1516.3	1544.3	1566.4	1586.2	1600.9	1611.8
72.5°	1084.8	1216.3	1347.8	1448.2	1514.0	1551.0	1576.4	1598.3	1619.3	1631.4	1641.6
75°	1124.8	1258.9	1386.1	1485.9	1548.1	1577.5	1601.3	1624.2	1642.9	1655.6	1667.1
77.5°	1154.0	1289.6	1426.5	1523.4	1570.8	1600.1	1624.7	1648.7	1665.9	1679.3	1690.6
80°	1182.8	1320.5	1459.6	1554.6	1591.0	1621.1	1645.0	1666.5	1685.2	1699.9	1712.1
82.5°	1207.4	1351.1	1487.1	1567.0	1605.1	1634.8	1658.2	1678.7	1697.6	1710.2	1726.2
85°	1222.4	1368.0	1508.0	1575.4	1611.0	1641.5	1664.7	1685.9	1704.8	1719.1	1737.4
87.5°	1232.5	1371.6	1519.7	1580.8	1612.0	1645.0	1665.4	1688.4	1708.0	1718.5	1738.1
90°	1221.9	1362.5	1519.5	1581.6	1608.9	1644.8	1662.3	1687.3	1704.8	1718.9	1734.2
92.5°	1232.5	1371.6	1519.7	1580.8	1612.0	1645.0	1665.4	1688.4	1708.0	1718.5	1738.1
95°	1222.4	1368.0	1508.0	1575.4	1611.0	1641.5	1664.7	1685.9	1704.8	1719.1	1737.4
97.5°	1207.4	1351.1	1487.1	1567.0	1605.1	1634.8	1658.2	1678.7	1697.6	1710.2	1726.2
100°	1182.8	1320.5	1459.6	1554.6	1591.0	1621.1	1645.0	1666.5	1685.2	1699.9	1712.1
102.5°	1154.0	1289.6	1426.5	1523.4	1570.8	1600.1	1624.7	1648.7	1665.9	1679.3	1690.6
105°	1124.8	1258.9	1386.1	1485.9	1548.1	1577.5	1601.3	1624.2	1642.9	1655.6	1667.1
107.5°	1084.8	1216.3	1347.8	1448.2	1514.0	1551.0	1576.4	1598.3	1619.3	1631.4	1641.6
110°	1038.0	1162.2	1289.3	1410.2	1477.9	1516.3	1544.3	1566.4	1586.2	1600.9	1611.8



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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°	984.0	1097.7	1219.6	1333.3	1422.7	1471.0	1504.9	1527.6	1545.8	1561.4	1573.1
115°	924.8	1028.6	1145.4	1252.2	1342.0	1412.5	1453.3	1483.6	1502.6	1516.5	1527.1
117.5°	866.5	966.3	1073.4	1178.2	1265.8	1338.3	1391.6	1429.0	1448.6	1464.3	1475.7
120°	820.3	899.0	998.0	1097.7	1190.9	1268.8	1328.9	1366.2	1385.7	1401.0	1411.7
122.5°	765.2	833.9	912.8	1006.3	1107.1	1185.0	1257.1	1291.7	1313.4	1329.8	1340.7
125°	705.9	763.3	828.0	904.9	987.1	1073.8	1141.4	1184.2	1216.4	1240.9	1257.7
127.5°	647.0	691.8	744.8	801.5	868.2	936.7	994.4	1045.0	1085.8	1116.9	1138.6
130°	586.7	625.9	666.6	706.7	757.6	806.5	853.4	900.3	939.5	970.9	994.5
132.5°	526.3	561.0	594.9	628.7	665.0	699.9	736.9	772.7	803.5	828.9	848.8
135°	468.4	498.2	525.9	555.8	585.0	615.7	640.4	666.3	689.2	708.7	724.3
137.5°	411.8	438.1	463.0	487.3	510.0	531.4	553.3	572.9	589.8	603.7	614.3
140°	358.6	381.0	403.5	424.0	441.9	458.7	475.1	489.4	501.3	510.7	517.4
142.5°	312.4	332.6	351.9	368.8	383.2	397.5	409.8	419.7	427.3	432.6	435.8
145°	271.7	289.6	306.5	321.9	335.7	348.0	358.2	366.5	373.0	377.7	380.7
147.5°	237.0	252.0	265.9	278.7	291.2	302.8	312.9	321.6	328.9	334.8	339.3
150°	212.3	222.2	231.7	240.9	251.8	261.6	270.4	278.1	284.8	290.4	294.9
152.5°	191.7	198.6	205.4	212.6	220.2	227.3	233.8	239.8	245.2	249.8	253.8
155°	172.5	178.1	183.4	189.0	194.2	199.1	203.7	207.9	211.6	214.9	217.6
157.5°	153.7	157.8	162.2	166.4	170.4	174.2	177.6	180.7	183.3	185.6	188.5
160°	135.5	138.4	141.7	144.7	147.6	150.2	152.6	154.7	156.6	158.0	160.0
162.5°	118.6	120.6	122.5	124.3	126.0	127.5	128.9	130.1	131.0	131.7	132.7
165°	101.3	102.5	103.6	104.6	105.5	106.2	106.7	107.1	107.3	107.2	107.5
167.5°	84.6	85.2	85.7	86.0	86.1	86.2	86.0	85.7	85.2	84.6	84.2
170°	68.0	68.5	68.9	69.1	69.2	69.2	69.1	68.8	68.4	68.3	67.4
172.5°	50.9	51.4	51.8	52.1	52.3	52.4	52.4	52.3	52.0	52.2	51.5
175°	33.0	33.4	33.7	33.9	34.1	34.1	34.1	34.1	34.5	34.0	33.6
177.5°	15.6	15.8	15.9	15.9	16.0	16.0	16.5	16.3	16.1	15.9	15.7
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°	0.0	0.0
2.5°	15.5	15.3
5°	33.1	32.7
7.5°	50.8	50.1
10°	66.4	65.4
12.5°	83.0	81.8
15°	106.6	105.7
17.5°	132.3	131.9
20°	160.1	160.2
22.5°	189.1	189.7
25°	220.1	221.3
27.5°	257.4	259.4
30°	298.9	300.8
32.5°	343.1	344.4
35°	382.9	382.6
37.5°	437.8	436.0
40°	522.8	522.1
42.5°	623.4	624.6
45°	738.2	742.3
47.5°	865.9	870.9
50°	1014.1	1018.1
52.5°	1155.2	1155.4
55°	1270.5	1268.8
57.5°	1348.8	1346.2
60°	1420.2	1418.1
62.5°	1482.2	1483.5
65°	1533.7	1535.8
67.5°	1580.3	1582.7
70°	1618.5	1620.8
72.5°	1649.8	1654.6
75°	1678.5	1686.2
77.5°	1702.4	1709.1
80°	1722.6	1726.6
82.5°	1737.9	1748.4
85°	1743.0	1750.6
87.5°	1749.8	1760.4
90°	1739.7	1757.1
92.5°	1749.8	1760.4
95°	1743.0	1750.6
97.5°	1737.9	1748.4
100°	1722.6	1726.6
102.5°	1702.4	1709.1
105°	1678.5	1686.2
107.5°	1649.8	1654.6
110°	1618.5	1620.8



TEST NUMBER: P232027

CATALOG NUMBER: FVS4WM-3-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1580.3	1582.7
115°	1533.7	1535.8
117.5°	1482.2	1483.5
120°	1420.2	1418.1
122.5°	1348.8	1346.2
125°	1270.5	1268.8
127.5°	1155.2	1155.4
130°	1014.1	1018.1
132.5°	865.9	870.9
135°	738.2	742.3
137.5°	623.4	624.6
140°	522.8	522.1
142.5°	437.8	436.0
145°	382.9	382.6
147.5°	343.1	344.4
150°	298.9	300.8
152.5°	257.4	259.4
155°	220.1	221.3
157.5°	189.1	189.7
160°	160.1	160.2
162.5°	132.3	131.9
165°	106.6	105.7
167.5°	83.0	81.8
170°	66.4	65.4
172.5°	50.8	50.1
175°	33.1	32.7
177.5°	15.5	15.3
180°	0.0	0.0

(END OF REPORT)