

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: P231940

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231940  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-10)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-2-LD4-30-2HI-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
2FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (84) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

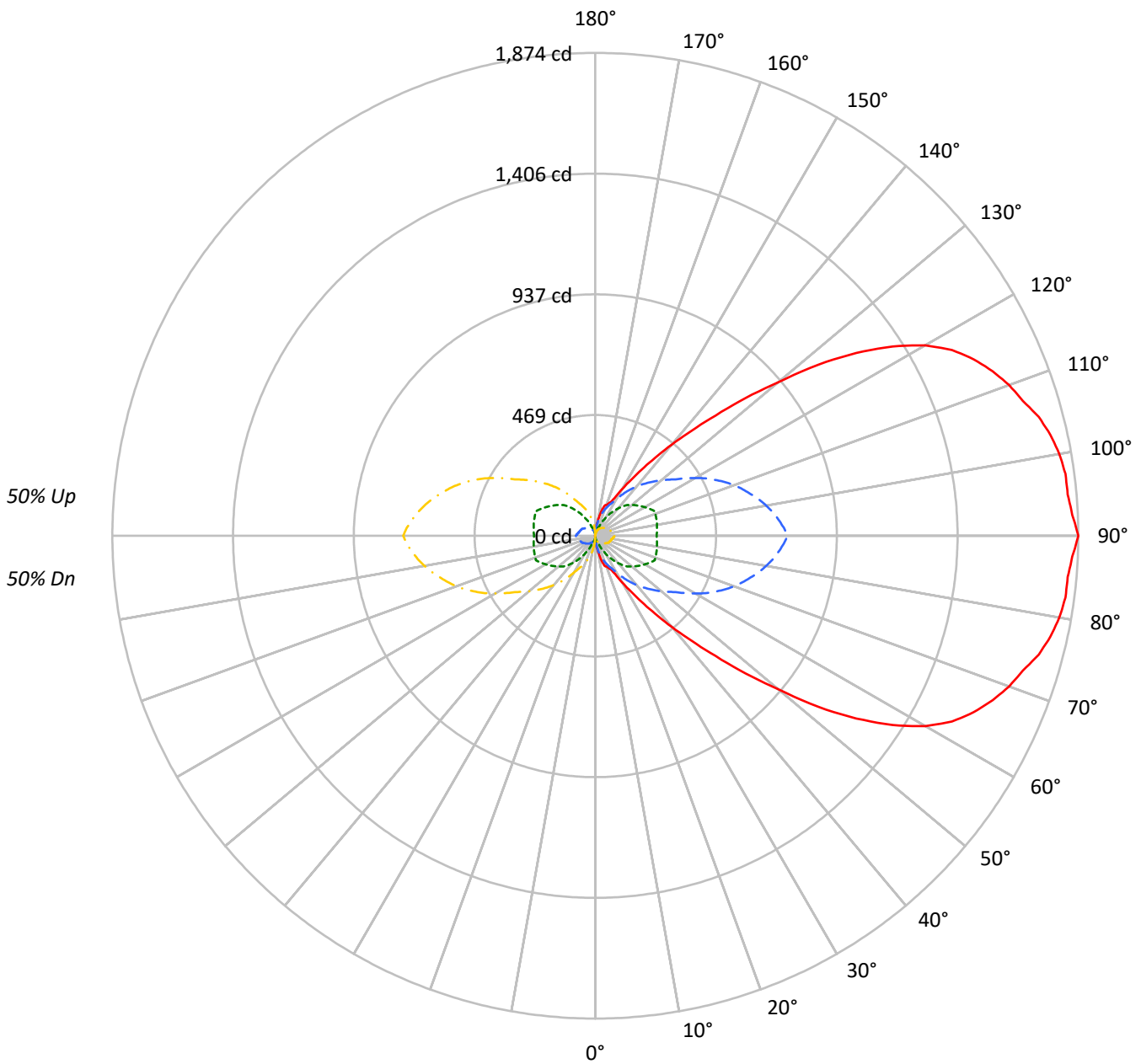
Lumens per Lamp: N/A  
Luminaire Lumens: 4143.1 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 44.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	33	28
2	80	69	60	52	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	58	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	32	58	46	37	30	37	29	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	26	20	28	21	16	22	16	12	16	11	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	0	0	0	0
5°	758	255	0	255
10°	1493	506	0	506
15°	2311	764	0	764
20°	2520	1029	0	1029
25°	2721	1622	0	1622
30°	3698	2576	0	2576
35°	5276	3613	0	3613
40°	7528	4774	0	4774
45°	10485	6097	16	6097
50°	14443	7241	16	7241
55°	19100	8632	15	8632
60°	22778	10365	15	10365
65°	25105	12608	15	12608
70°	26822	14993	16	14993
75°	28546	17656	16	17656
80°	30168	21759	0	21759
85°	31532	28838	0	28838



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.8	0.0
10°-20°	13.4	0.3
20°-30°	36.1	0.9
30°-40°	82.3	2.0
40°-50°	160.5	3.9
50°-60°	285.6	6.9
60°-70°	420.2	10.1
70°-80°	512.0	12.4
80°-90°	559.7	13.5
90°-100°	559.7	13.5
100°-110°	512.0	12.4
110°-120°	420.2	10.1
120°-130°	285.6	6.9
130°-140°	160.5	3.9
140°-150°	82.3	2.0
150°-160°	36.1	0.9
160°-170°	13.4	0.3
170°-180°	1.8	0.0
0°-30°	51.3	1.2
0°-40°	133.6	3.2
0°-60°	579.7	14.0
0°-90°	2071.6	50.0
90°-120°	1491.9	36.0
90°-150°	2020.3	48.8
90°-180°	2072.0	50.0
0°-180°	4143.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	29	9	0	9	29	4
15°	108	26	0	26	108	30
25°	146	53	0	53	146	73
35°	313	110	0	110	313	205
45°	660	167	1	167	660	527
55°	1236	204	1	204	1236	1103
65°	1620	240	1	240	1620	1600
75°	1781	245	1	245	1781	1878
85°	1840	240	0	240	1840	1503
90°	1874	238	0	238	1874	1021
95°	1840	240	0	240	1840	1503
105°	1781	245	1	245	1781	1878
115°	1620	240	1	240	1620	1600
125°	1236	204	1	204	1236	1103
135°	660	167	1	167	660	527
145°	313	110	0	110	313	205
155°	146	53	0	53	146	73
165°	108	26	0	26	108	30
175°	29	9	0	9	29	4
180°	0	0	0	0	0	



TEST NUMBER: P231940

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

**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°	12.5	12.7	12.9	13.0	13.2	13.4	13.6	13.2	13.2	13.1	13.1
5°	28.9	29.3	29.6	30.0	30.4	29.9	29.9	29.9	29.8	29.6	29.3
7.5°	46.2	46.7	47.2	47.7	47.4	47.4	47.4	47.2	47.0	46.7	46.2
10°	63.5	64.1	64.7	65.3	64.9	64.9	64.7	64.5	64.1	63.6	63.0
12.5°	83.7	84.3	84.9	84.6	84.6	84.3	83.9	83.3	82.6	81.7	80.6
15°	107.8	108.1	108.5	107.6	107.1	106.3	105.3	104.0	102.7	101.1	99.4
17.5°	124.1	124.5	125.0	124.4	124.0	123.5	122.6	121.6	120.3	118.8	117.1
20°	127.0	128.2	129.4	130.2	131.1	131.7	132.1	132.3	132.2	131.8	131.1
22.5°	135.7	137.7	139.8	140.9	142.1	143.1	143.7	143.9	143.6	143.0	141.9
25°	146.3	149.3	151.8	154.1	156.0	157.5	158.6	159.2	159.3	158.8	157.7
27.5°	169.3	172.5	174.6	176.5	177.9	178.7	179.1	179.0	178.4	177.4	176.2
30°	209.8	212.4	213.0	213.3	212.7	211.4	209.4	206.7	203.5	199.9	198.0
32.5°	254.0	255.9	255.5	254.5	252.6	249.8	246.1	241.7	236.7	231.4	226.3
35°	312.7	313.3	310.5	307.1	302.3	296.2	289.2	281.1	272.3	264.9	257.6
37.5°	381.0	380.2	375.0	369.0	361.1	351.7	340.8	328.6	315.8	304.4	292.6
40°	461.8	459.8	452.1	443.2	431.8	418.0	402.0	384.1	366.5	350.1	332.8
42.5°	552.3	549.0	538.6	526.8	511.9	494.2	473.9	451.1	428.5	404.6	379.1
45°	660.1	655.4	641.5	625.7	605.7	582.0	554.7	528.0	497.1	467.3	437.0
47.5°	791.9	784.9	765.8	744.2	717.5	686.0	650.2	613.1	576.1	536.6	502.0
50°	925.6	919.2	898.8	874.8	843.6	805.5	760.6	714.6	666.9	618.4	575.3
52.5°	1092.1	1085.0	1059.1	1028.9	989.9	942.6	887.4	832.3	770.9	710.4	655.4
55°	1236.4	1223.1	1193.5	1161.6	1124.4	1083.1	1034.7	964.9	885.7	812.0	740.7
57.5°	1367.3	1347.2	1311.0	1273.0	1230.3	1184.4	1134.4	1075.0	1009.4	916.4	830.4
60°	1477.9	1451.3	1409.7	1366.7	1319.7	1269.9	1217.1	1160.8	1094.0	1011.9	920.2
62.5°	1560.6	1525.3	1484.2	1438.7	1389.8	1339.3	1288.4	1235.4	1171.4	1099.8	1002.8
65°	1620.3	1586.2	1546.0	1499.2	1445.8	1393.6	1345.4	1293.3	1233.9	1166.4	1085.1
67.5°	1668.4	1636.7	1598.9	1554.1	1502.1	1449.5	1394.0	1338.1	1280.8	1217.3	1144.7
70°	1708.8	1681.6	1647.5	1604.9	1553.9	1497.7	1438.4	1377.5	1316.9	1256.9	1191.4
72.5°	1739.6	1718.9	1690.8	1653.0	1602.1	1539.4	1475.7	1409.9	1350.0	1291.1	1229.9
75°	1781.0	1763.2	1736.5	1692.9	1634.8	1573.6	1506.9	1443.4	1381.1	1319.0	1257.0
77.5°	1808.9	1799.0	1778.7	1727.5	1664.8	1597.3	1537.3	1473.3	1407.4	1342.1	1276.2
80°	1828.1	1821.7	1802.6	1754.4	1688.2	1623.5	1558.9	1498.1	1426.6	1359.4	1290.9
82.5°	1839.7	1838.4	1822.8	1781.3	1710.3	1641.2	1572.6	1506.9	1440.5	1373.9	1308.4
85°	1839.7	1851.5	1845.7	1793.2	1721.2	1649.0	1584.1	1520.0	1452.6	1384.0	1319.3
87.5°	1852.2	1860.8	1838.3	1800.0	1730.3	1663.2	1594.9	1529.1	1456.5	1386.8	1323.4
90°	1874.3	1860.8	1831.0	1801.2	1731.9	1664.6	1595.3	1529.9	1451.9	1382.6	1321.1
92.5°	1852.2	1860.8	1838.3	1800.0	1730.3	1663.2	1594.9	1529.1	1456.5	1386.8	1323.4
95°	1839.7	1851.5	1845.7	1793.2	1721.2	1649.0	1584.1	1520.0	1452.6	1384.0	1319.3
97.5°	1839.7	1838.4	1822.8	1781.3	1710.3	1641.2	1572.6	1506.9	1440.5	1373.9	1308.4
100°	1828.1	1821.7	1802.6	1754.4	1688.2	1623.5	1558.9	1498.1	1426.6	1359.4	1290.9
102.5°	1808.9	1799.0	1778.7	1727.5	1664.8	1597.3	1537.3	1473.3	1407.4	1342.1	1276.2
105°	1781.0	1763.2	1736.5	1692.9	1634.8	1573.6	1506.9	1443.4	1381.1	1319.0	1257.0
107.5°	1739.6	1718.9	1690.8	1653.0	1602.1	1539.4	1475.7	1409.9	1350.0	1291.1	1229.9
110°	1708.8	1681.6	1647.5	1604.9	1553.9	1497.7	1438.4	1377.5	1316.9	1256.9	1191.4



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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°	1668.4	1636.7	1598.9	1554.1	1502.1	1449.5	1394.0	1338.1	1280.8	1217.3	1144.7
115°	1620.3	1586.2	1546.0	1499.2	1445.8	1393.6	1345.4	1293.3	1233.9	1166.4	1085.1
117.5°	1560.6	1525.3	1484.2	1438.7	1389.8	1339.3	1288.4	1235.4	1171.4	1099.8	1002.8
120°	1477.9	1451.3	1409.7	1366.7	1319.7	1269.9	1217.1	1160.8	1094.0	1011.9	920.2
122.5°	1367.3	1347.2	1311.0	1273.0	1230.3	1184.4	1134.4	1075.0	1009.4	916.4	830.4
125°	1236.4	1223.1	1193.5	1161.6	1124.4	1083.1	1034.7	964.9	885.7	812.0	740.7
127.5°	1092.1	1085.0	1059.1	1028.9	989.9	942.6	887.4	832.3	770.9	710.4	655.4
130°	925.6	919.2	898.8	874.8	843.6	805.5	760.6	714.6	666.9	618.4	575.3
132.5°	791.9	784.9	765.8	744.2	717.5	686.0	650.2	613.1	576.1	536.6	502.0
135°	660.1	655.4	641.5	625.7	605.7	582.0	554.7	528.0	497.1	467.3	437.0
137.5°	552.3	549.0	538.6	526.8	511.9	494.2	473.9	451.1	428.5	404.6	379.1
140°	461.8	459.8	452.1	443.2	431.8	418.0	402.0	384.1	366.5	350.1	332.8
142.5°	381.0	380.2	375.0	369.0	361.1	351.7	340.8	328.6	315.8	304.4	292.6
145°	312.7	313.3	310.5	307.1	302.3	296.2	289.2	281.1	272.3	264.9	257.6
147.5°	254.0	255.9	255.5	254.5	252.6	249.8	246.1	241.7	236.7	231.4	226.3
150°	209.8	212.4	213.0	213.3	212.7	211.4	209.4	206.7	203.5	199.9	198.0
152.5°	169.3	172.5	174.6	176.5	177.9	178.7	179.1	179.0	178.4	177.4	176.2
155°	146.3	149.3	151.8	154.1	156.0	157.5	158.6	159.2	159.3	158.8	157.7
157.5°	135.7	137.7	139.8	140.9	142.1	143.1	143.7	143.9	143.6	143.0	141.9
160°	127.0	128.2	129.4	130.2	131.1	131.7	132.1	132.3	132.2	131.8	131.1
162.5°	124.1	124.5	125.0	124.4	124.0	123.5	122.6	121.6	120.3	118.8	117.1
165°	107.8	108.1	108.5	107.6	107.1	106.3	105.3	104.0	102.7	101.1	99.4
167.5°	83.7	84.3	84.9	84.6	84.6	84.3	83.9	83.3	82.6	81.7	80.6
170°	63.5	64.1	64.7	65.3	64.9	64.9	64.7	64.5	64.1	63.6	63.0
172.5°	46.2	46.7	47.2	47.7	47.4	47.4	47.4	47.2	47.0	46.7	46.2
175°	28.9	29.3	29.6	30.0	30.4	29.9	29.9	29.9	29.8	29.6	29.3
177.5°	12.5	12.7	12.9	13.0	13.2	13.4	13.6	13.2	13.2	13.1	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



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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°	13.0	12.9	12.8	12.6	12.5	12.3	12.1	11.8	11.5	11.3	10.9
5°	29.0	28.7	28.2	27.7	27.2	26.6	25.9	25.2	24.4	23.6	22.7
7.5°	45.7	45.1	44.4	43.6	42.8	41.8	40.8	39.7	38.5	37.3	35.9
10°	62.3	61.4	60.4	59.3	58.1	56.8	55.4	54.0	52.4	50.7	49.0
12.5°	79.4	78.0	76.6	75.0	73.3	71.6	69.9	68.0	66.0	63.8	61.6
15°	97.5	95.5	93.3	91.2	89.1	86.8	84.4	81.9	79.3	76.7	74.0
17.5°	115.2	113.0	110.4	107.6	104.7	101.8	98.7	95.7	92.6	89.5	86.2
20°	130.1	128.0	125.3	122.4	119.2	115.8	112.3	108.7	105.2	101.6	98.0
22.5°	140.6	139.4	137.7	135.6	132.9	129.3	125.2	120.9	116.5	112.5	108.6
25°	156.4	154.4	151.9	148.7	145.5	142.1	138.1	133.5	128.4	123.1	118.2
27.5°	174.8	172.7	169.7	166.2	162.2	157.4	152.7	146.8	140.9	134.6	128.4
30°	195.8	193.1	190.5	186.2	181.5	175.9	169.8	162.9	157.0	152.4	147.6
32.5°	220.8	215.1	210.8	206.9	202.5	196.7	190.8	184.7	178.8	172.6	167.3
35°	249.8	242.0	235.2	228.2	222.8	218.6	213.8	207.2	200.1	193.3	186.5
37.5°	280.5	270.5	261.0	254.2	247.0	240.3	234.5	228.6	221.5	213.6	206.0
40°	316.1	302.6	291.1	281.5	272.5	264.1	256.4	249.0	241.8	233.8	225.1
42.5°	358.2	341.3	325.2	312.1	300.0	288.9	278.7	270.3	261.8	253.3	244.2
45°	411.2	384.5	363.8	344.8	328.9	314.4	302.5	291.1	282.0	272.6	262.8
47.5°	469.4	436.9	407.4	380.1	359.9	341.8	326.3	313.3	301.4	291.7	281.4
50°	531.1	492.4	455.1	422.2	392.1	370.0	351.2	335.1	321.8	309.9	299.8
52.5°	600.8	552.0	506.0	465.8	429.8	398.2	376.1	357.6	342.1	328.3	325.2
55°	676.3	614.8	561.1	510.7	468.2	431.2	399.8	380.6	370.4	364.2	362.3
57.5°	753.8	682.1	616.8	559.4	507.5	464.5	435.3	414.8	402.7	397.2	396.4
60°	829.3	748.8	674.4	606.5	553.9	509.6	473.7	447.7	433.9	427.6	427.7
62.5°	901.3	809.8	732.2	664.1	602.4	551.7	512.3	482.5	463.2	454.3	456.2
65°	974.1	875.3	792.6	718.1	651.2	594.1	548.0	513.1	491.3	481.2	482.8
67.5°	1057.6	946.6	852.7	769.7	695.7	631.3	582.0	544.6	519.9	507.1	506.5
70°	1109.7	1013.2	910.7	817.0	737.8	669.5	614.4	573.1	545.1	531.0	527.8
72.5°	1152.6	1059.8	959.0	862.7	775.7	702.3	642.2	599.4	568.0	554.3	550.0
75°	1184.7	1094.3	997.1	902.0	807.7	731.0	669.7	624.4	593.1	576.8	569.6
77.5°	1214.7	1120.7	1022.9	933.3	840.7	761.6	698.9	650.1	616.2	598.0	589.6
80°	1229.6	1147.6	1051.9	958.9	867.3	785.9	723.6	673.5	637.2	618.1	609.8
82.5°	1244.6	1171.4	1073.7	979.3	887.0	804.3	744.3	694.6	656.5	637.4	630.0
85°	1254.4	1188.3	1088.3	994.2	900.3	817.6	761.5	713.6	674.2	655.9	650.2
87.5°	1259.0	1201.7	1099.1	1006.2	910.2	828.0	776.7	731.5	691.0	674.1	670.5
90°	1258.5	1199.8	1096.9	1006.4	910.2	832.3	787.1	745.7	706.2	691.8	689.9
92.5°	1259.0	1201.7	1099.1	1006.2	910.2	828.0	776.7	731.5	691.0	674.1	670.5
95°	1254.4	1188.3	1088.3	994.2	900.3	817.6	761.5	713.6	674.2	655.9	650.2
97.5°	1244.6	1171.4	1073.7	979.3	887.0	804.3	744.3	694.6	656.5	637.4	630.0
100°	1229.6	1147.6	1051.9	958.9	867.3	785.9	723.6	673.5	637.2	618.1	609.8
102.5°	1214.7	1120.7	1022.9	933.3	840.7	761.6	698.9	650.1	616.2	598.0	589.6
105°	1184.7	1094.3	997.1	902.0	807.7	731.0	669.7	624.4	593.1	576.8	569.6
107.5°	1152.6	1059.8	959.0	862.7	775.7	702.3	642.2	599.4	568.0	554.3	550.0
110°	1109.7	1013.2	910.7	817.0	737.8	669.5	614.4	573.1	545.1	531.0	527.8





TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1057.6	946.6	852.7	769.7	695.7	631.3	582.0	544.6	519.9	507.1	506.5
115°	974.1	875.3	792.6	718.1	651.2	594.1	548.0	513.1	491.3	481.2	482.8
117.5°	901.3	809.8	732.2	664.1	602.4	551.7	512.3	482.5	463.2	454.3	456.2
120°	829.3	748.8	674.4	606.5	553.9	509.6	473.7	447.7	433.9	427.6	427.7
122.5°	753.8	682.1	616.8	559.4	507.5	464.5	435.3	414.8	402.7	397.2	396.4
125°	676.3	614.8	561.1	510.7	468.2	431.2	399.8	380.6	370.4	364.2	362.3
127.5°	600.8	552.0	506.0	465.8	429.8	398.2	376.1	357.6	342.1	328.3	325.2
130°	531.1	492.4	455.1	422.2	392.1	370.0	351.2	335.1	321.8	309.9	299.8
132.5°	469.4	436.9	407.4	380.1	359.9	341.8	326.3	313.3	301.4	291.7	281.4
135°	411.2	384.5	363.8	344.8	328.9	314.4	302.5	291.1	282.0	272.6	262.8
137.5°	358.2	341.3	325.2	312.1	300.0	288.9	278.7	270.3	261.8	253.3	244.2
140°	316.1	302.6	291.1	281.5	272.5	264.1	256.4	249.0	241.8	233.8	225.1
142.5°	280.5	270.5	261.0	254.2	247.0	240.3	234.5	228.6	221.5	213.6	206.0
145°	249.8	242.0	235.2	228.2	222.8	218.6	213.8	207.2	200.1	193.3	186.5
147.5°	220.8	215.1	210.8	206.9	202.5	196.7	190.8	184.7	178.8	172.6	167.3
150°	195.8	193.1	190.5	186.2	181.5	175.9	169.8	162.9	157.0	152.4	147.6
152.5°	174.8	172.7	169.7	166.2	162.2	157.4	152.7	146.8	140.9	134.6	128.4
155°	156.4	154.4	151.9	148.7	145.5	142.1	138.1	133.5	128.4	123.1	118.2
157.5°	140.6	139.4	137.7	135.6	132.9	129.3	125.2	120.9	116.5	112.5	108.6
160°	130.1	128.0	125.3	122.4	119.2	115.8	112.3	108.7	105.2	101.6	98.0
162.5°	115.2	113.0	110.4	107.6	104.7	101.8	98.7	95.7	92.6	89.5	86.2
165°	97.5	95.5	93.3	91.2	89.1	86.8	84.4	81.9	79.3	76.7	74.0
167.5°	79.4	78.0	76.6	75.0	73.3	71.6	69.9	68.0	66.0	63.8	61.6
170°	62.3	61.4	60.4	59.3	58.1	56.8	55.4	54.0	52.4	50.7	49.0
172.5°	45.7	45.1	44.4	43.6	42.8	41.8	40.8	39.7	38.5	37.3	35.9
175°	29.0	28.7	28.2	27.7	27.2	26.6	25.9	25.2	24.4	23.6	22.7
177.5°	13.0	12.9	12.8	12.6	12.5	12.3	12.1	11.8	11.5	11.3	10.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.6	10.3	9.9	9.5	9.1	8.7	8.3	7.8	7.3	6.9	6.4
5°	21.7	20.7	19.7	18.9	18.1	17.3	16.4	15.5	14.6	13.7	12.7
7.5°	34.5	33.0	31.5	29.9	28.2	26.4	24.6	23.2	21.8	20.4	19.0
10°	47.2	45.2	43.4	41.1	38.8	36.5	34.1	31.6	29.1	27.1	25.2
12.5°	59.3	57.0	54.5	52.0	49.4	46.6	43.6	40.5	37.3	34.1	31.4
15°	71.3	68.4	65.8	62.4	59.3	56.2	52.9	49.3	45.5	41.6	37.6
17.5°	83.3	79.6	76.1	72.5	68.9	65.3	61.6	57.9	53.6	49.1	44.5
20°	94.2	90.4	86.5	82.5	78.4	74.2	70.1	65.9	61.6	56.6	51.3
22.5°	104.8	100.7	96.4	92.1	87.6	82.9	78.2	73.6	69.0	64.0	58.1
25°	113.7	109.7	105.6	101.0	98.2	95.1	91.6	88.0	84.1	79.9	74.5
27.5°	124.7	122.5	121.0	119.2	116.5	113.6	110.2	106.6	102.4	97.8	92.3
30°	143.8	140.2	137.6	136.0	134.0	131.2	128.1	124.6	121.1	115.6	110.2
32.5°	162.1	157.9	154.4	151.9	150.4	148.1	145.3	142.0	138.4	133.5	127.5
35°	180.6	175.1	171.0	167.7	165.8	164.4	161.8	159.2	155.6	151.3	144.8
37.5°	198.6	192.5	186.9	183.5	180.9	179.5	177.8	175.2	172.2	169.0	162.2
40°	217.0	209.2	203.3	198.1	195.7	194.1	193.1	191.0	188.5	185.6	179.5
42.5°	234.7	226.4	218.8	213.3	209.9	208.1	207.6	206.3	204.2	201.9	196.8
45°	252.8	242.9	234.7	228.1	223.1	222.0	221.5	221.2	219.6	217.8	214.1
47.5°	270.2	259.7	250.3	242.6	237.1	237.0	239.5	240.2	238.3	234.9	230.0
50°	288.0	278.0	277.8	277.6	275.6	272.3	270.0	266.3	260.7	253.6	245.7
52.5°	324.6	324.4	326.9	326.8	321.3	311.4	303.6	294.8	284.7	273.4	261.9
55°	363.9	367.3	372.7	377.8	370.0	354.9	339.9	325.3	310.1	294.5	278.8
57.5°	399.7	406.3	415.4	426.1	419.6	401.4	378.6	357.8	336.9	316.6	296.6
60°	432.3	441.8	455.1	469.9	470.6	450.5	419.6	392.2	365.4	339.8	315.0
62.5°	463.2	475.1	491.8	511.4	522.8	501.9	463.0	428.6	395.1	363.7	334.0
65°	491.9	506.0	525.7	550.9	575.5	552.7	509.1	466.4	426.0	388.3	353.4
67.5°	518.3	535.0	557.4	588.2	618.0	602.9	556.6	505.4	457.7	413.5	373.3
70°	542.9	562.9	588.9	621.5	649.2	635.8	584.2	524.9	471.5	422.8	379.4
72.5°	561.4	579.7	602.6	627.3	648.4	639.3	590.4	531.4	477.6	427.8	383.3
75°	575.2	592.2	614.7	636.2	650.3	642.6	594.9	537.0	483.1	432.4	386.7
77.5°	590.1	605.1	627.5	647.7	654.4	645.6	597.9	541.7	487.9	436.7	389.9
80°	605.8	618.3	640.8	661.4	660.2	648.1	599.4	545.4	492.0	440.5	392.6
82.5°	622.3	632.0	654.8	676.5	667.2	650.1	599.8	548.3	495.6	443.9	396.4
85°	639.3	646.2	669.4	692.6	675.0	653.3	600.5	551.9	499.6	447.8	397.7
87.5°	656.8	660.7	684.3	709.5	683.4	652.3	597.6	552.1	501.0	449.5	399.0
90°	674.5	676.4	700.5	725.5	690.8	651.4	594.6	552.3	502.3	451.3	400.3
92.5°	656.8	660.7	684.3	709.5	683.4	652.3	597.6	552.1	501.0	449.5	399.0
95°	639.3	646.2	669.4	692.6	675.0	653.3	600.5	551.9	499.6	447.8	397.7
97.5°	622.3	632.0	654.8	676.5	667.2	650.1	599.8	548.3	495.6	443.9	396.4
100°	605.8	618.3	640.8	661.4	660.2	648.1	599.4	545.4	492.0	440.5	392.6
102.5°	590.1	605.1	627.5	647.7	654.4	645.6	597.9	541.7	487.9	436.7	389.9
105°	575.2	592.2	614.7	636.2	650.3	642.6	594.9	537.0	483.1	432.4	386.7
107.5°	561.4	579.7	602.6	627.3	648.4	639.3	590.4	531.4	477.6	427.8	383.3
110°	542.9	562.9	588.9	621.5	649.2	635.8	584.2	524.9	471.5	422.8	379.4



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	518.3	535.0	557.4	588.2	618.0	602.9	556.6	505.4	457.7	413.5	373.3
115°	491.9	506.0	525.7	550.9	575.5	552.7	509.1	466.4	426.0	388.3	353.4
117.5°	463.2	475.1	491.8	511.4	522.8	501.9	463.0	428.6	395.1	363.7	334.0
120°	432.3	441.8	455.1	469.9	470.6	450.5	419.6	392.2	365.4	339.8	315.0
122.5°	399.7	406.3	415.4	426.1	419.6	401.4	378.6	357.8	336.9	316.6	296.6
125°	363.9	367.3	372.7	377.8	370.0	354.9	339.9	325.3	310.1	294.5	278.8
127.5°	324.6	324.4	326.9	326.8	321.3	311.4	303.6	294.8	284.7	273.4	261.9
130°	288.0	278.0	277.8	277.6	275.6	272.3	270.0	266.3	260.7	253.6	245.7
132.5°	270.2	259.7	250.3	242.6	237.1	237.0	239.5	240.2	238.3	234.9	230.0
135°	252.8	242.9	234.7	228.1	223.1	222.0	221.5	221.2	219.6	217.8	214.1
137.5°	234.7	226.4	218.8	213.3	209.9	208.1	207.6	206.3	204.2	201.9	196.8
140°	217.0	209.2	203.3	198.1	195.7	194.1	193.1	191.0	188.5	185.6	179.5
142.5°	198.6	192.5	186.9	183.5	180.9	179.5	177.8	175.2	172.2	169.0	162.2
145°	180.6	175.1	171.0	167.7	165.8	164.4	161.8	159.2	155.6	151.3	144.8
147.5°	162.1	157.9	154.4	151.9	150.4	148.1	145.3	142.0	138.4	133.5	127.5
150°	143.8	140.2	137.6	136.0	134.0	131.2	128.1	124.6	121.1	115.6	110.2
152.5°	124.7	122.5	121.0	119.2	116.5	113.6	110.2	106.6	102.4	97.8	92.3
155°	113.7	109.7	105.6	101.0	98.2	95.1	91.6	88.0	84.1	79.9	74.5
157.5°	104.8	100.7	96.4	92.1	87.6	82.9	78.2	73.6	69.0	64.0	58.1
160°	94.2	90.4	86.5	82.5	78.4	74.2	70.1	65.9	61.6	56.6	51.3
162.5°	83.3	79.6	76.1	72.5	68.9	65.3	61.6	57.9	53.6	49.1	44.5
165°	71.3	68.4	65.8	62.4	59.3	56.2	52.9	49.3	45.5	41.6	37.6
167.5°	59.3	57.0	54.5	52.0	49.4	46.6	43.6	40.5	37.3	34.1	31.4
170°	47.2	45.2	43.4	41.1	38.8	36.5	34.1	31.6	29.1	27.1	25.2
172.5°	34.5	33.0	31.5	29.9	28.2	26.4	24.6	23.2	21.8	20.4	19.0
175°	21.7	20.7	19.7	18.9	18.1	17.3	16.4	15.5	14.6	13.7	12.7
177.5°	10.6	10.3	9.9	9.5	9.1	8.7	8.3	7.8	7.3	6.9	6.4
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: P231940

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	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	5.3	4.8	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.0
5°	11.7	10.7	9.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2	8.0
7.5°	17.5	16.0	14.4	12.8	12.8	12.7	12.6	12.5	12.3	12.2	12.0
10°	23.2	21.2	19.2	17.1	17.0	16.9	16.7	16.6	16.3	16.1	15.8
12.5°	28.9	26.5	24.0	21.4	21.2	21.1	20.9	20.6	20.3	20.0	19.7
15°	34.6	31.7	28.7	25.7	25.5	25.2	24.9	24.6	24.3	23.9	23.4
17.5°	40.3	36.9	33.4	29.9	29.7	29.4	29.0	28.6	28.2	27.7	27.2
20°	46.0	42.0	38.2	34.2	33.9	33.5	33.1	32.6	32.1	31.5	31.1
22.5°	52.1	47.2	42.9	38.5	38.1	37.6	37.1	36.5	35.9	35.5	35.1
25°	68.4	62.7	57.9	52.8	51.8	50.6	49.2	47.6	46.0	44.5	43.0
27.5°	85.4	78.6	73.0	67.1	65.6	63.8	61.7	59.3	57.2	55.1	52.8
30°	102.5	94.7	88.2	81.5	79.2	76.8	73.8	70.7	68.0	65.1	62.1
32.5°	119.7	111.0	103.4	95.8	92.8	89.6	85.7	81.9	78.3	74.7	71.0
35°	136.9	127.4	118.7	110.1	106.3	102.2	97.4	92.7	88.2	83.8	79.5
37.5°	154.0	143.8	134.0	124.4	119.8	114.6	108.8	103.2	97.9	92.7	87.3
40°	171.2	160.2	149.4	138.8	133.2	126.9	119.9	113.4	107.1	101.2	94.6
42.5°	188.3	176.6	164.8	153.1	146.5	139.1	131.2	123.3	116.1	109.6	101.5
45°	205.1	193.0	180.2	167.4	159.8	151.1	141.8	132.9	125.0	116.9	107.9
47.5°	218.6	205.1	190.8	176.5	166.6	156.2	146.0	136.8	128.9	120.6	111.4
50°	232.1	217.1	201.4	185.6	173.3	160.9	149.4	139.4	131.0	122.1	112.3
52.5°	246.0	229.1	212.1	194.7	179.8	165.5	152.8	142.1	133.0	123.8	113.8
55°	260.3	241.2	222.8	203.8	186.3	169.9	156.1	144.8	135.0	125.6	116.0
57.5°	274.9	253.2	233.6	212.8	192.6	174.3	159.4	147.4	137.1	127.6	118.7
60°	289.7	265.3	244.3	221.9	198.8	178.5	162.6	150.1	139.3	130.0	122.2
62.5°	304.8	277.4	255.1	231.0	205.0	182.6	165.9	152.7	141.7	132.8	125.6
65°	320.1	289.5	265.9	240.1	211.1	186.7	169.1	155.3	144.2	136.1	129.7
67.5°	335.4	301.5	276.7	249.2	217.2	190.8	172.3	157.9	146.8	139.7	134.0
70°	340.2	305.2	277.2	247.9	215.7	189.3	170.6	156.4	145.9	139.9	135.0
72.5°	343.9	308.7	277.7	246.6	214.2	187.8	168.6	154.5	144.3	138.8	133.9
75°	347.3	312.2	279.3	245.4	212.9	186.3	166.6	152.7	142.9	137.7	132.9
77.5°	350.5	315.7	279.4	244.1	211.5	185.0	164.8	151.0	141.6	136.8	132.0
80°	353.4	320.4	279.6	242.8	210.3	183.8	163.0	149.5	140.4	135.9	131.2
82.5°	356.9	323.3	279.7	241.5	209.1	182.6	161.3	148.0	139.3	135.0	130.5
85°	358.8	326.2	279.8	240.3	208.0	181.6	159.7	146.7	138.3	134.2	129.9
87.5°	360.8	329.1	279.9	239.0	206.9	180.7	158.2	145.4	137.4	133.5	129.4
90°	362.7	332.0	280.0	237.7	205.9	179.9	156.8	144.3	136.6	132.8	128.9
92.5°	360.8	329.1	279.9	239.0	206.9	180.7	158.2	145.4	137.4	133.5	129.4
95°	358.8	326.2	279.8	240.3	208.0	181.6	159.7	146.7	138.3	134.2	129.9
97.5°	356.9	323.3	279.7	241.5	209.1	182.6	161.3	148.0	139.3	135.0	130.5
100°	353.4	320.4	279.6	242.8	210.3	183.8	163.0	149.5	140.4	135.9	131.2
102.5°	350.5	315.7	279.4	244.1	211.5	185.0	164.8	151.0	141.6	136.8	132.0
105°	347.3	312.2	279.3	245.4	212.9	186.3	166.6	152.7	142.9	137.7	132.9
107.5°	343.9	308.7	277.7	246.6	214.2	187.8	168.6	154.5	144.3	138.8	133.9
110°	340.2	305.2	277.2	247.9	215.7	189.3	170.6	156.4	145.9	139.9	135.0



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	335.4	301.5	276.7	249.2	217.2	190.8	172.3	157.9	146.8	139.7	134.0
115°	320.1	289.5	265.9	240.1	211.1	186.7	169.1	155.3	144.2	136.1	129.7
117.5°	304.8	277.4	255.1	231.0	205.0	182.6	165.9	152.7	141.7	132.8	125.6
120°	289.7	265.3	244.3	221.9	198.8	178.5	162.6	150.1	139.3	130.0	122.2
122.5°	274.9	253.2	233.6	212.8	192.6	174.3	159.4	147.4	137.1	127.6	118.7
125°	260.3	241.2	222.8	203.8	186.3	169.9	156.1	144.8	135.0	125.6	116.0
127.5°	246.0	229.1	212.1	194.7	179.8	165.5	152.8	142.1	133.0	123.8	113.8
130°	232.1	217.1	201.4	185.6	173.3	160.9	149.4	139.4	131.0	122.1	112.3
132.5°	218.6	205.1	190.8	176.5	166.6	156.2	146.0	136.8	128.9	120.6	111.4
135°	205.1	193.0	180.2	167.4	159.8	151.1	141.8	132.9	125.0	116.9	107.9
137.5°	188.3	176.6	164.8	153.1	146.5	139.1	131.2	123.3	116.1	109.6	101.5
140°	171.2	160.2	149.4	138.8	133.2	126.9	119.9	113.4	107.1	101.2	94.6
142.5°	154.0	143.8	134.0	124.4	119.8	114.6	108.8	103.2	97.9	92.7	87.3
145°	136.9	127.4	118.7	110.1	106.3	102.2	97.4	92.7	88.2	83.8	79.5
147.5°	119.7	111.0	103.4	95.8	92.8	89.6	85.7	81.9	78.3	74.7	71.0
150°	102.5	94.7	88.2	81.5	79.2	76.8	73.8	70.7	68.0	65.1	62.1
152.5°	85.4	78.6	73.0	67.1	65.6	63.8	61.7	59.3	57.2	55.1	52.8
155°	68.4	62.7	57.9	52.8	51.8	50.6	49.2	47.6	46.0	44.5	43.0
157.5°	52.1	47.2	42.9	38.5	38.1	37.6	37.1	36.5	35.9	35.5	35.1
160°	46.0	42.0	38.2	34.2	33.9	33.5	33.1	32.6	32.1	31.5	31.1
162.5°	40.3	36.9	33.4	29.9	29.7	29.4	29.0	28.6	28.2	27.7	27.2
165°	34.6	31.7	28.7	25.7	25.5	25.2	24.9	24.6	24.3	23.9	23.4
167.5°	28.9	26.5	24.0	21.4	21.2	21.1	20.9	20.6	20.3	20.0	19.7
170°	23.2	21.2	19.2	17.1	17.0	16.9	16.7	16.6	16.3	16.1	15.8
172.5°	17.5	16.0	14.4	12.8	12.8	12.7	12.6	12.5	12.3	12.2	12.0
175°	11.7	10.7	9.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2	8.0
177.5°	5.9	5.3	4.8	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.0
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: P231940

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.3	3.2	3.1	3.0
5°	7.9	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.8
7.5°	11.8	11.5	11.3	11.0	10.7	10.4	10.1	9.7	9.4	9.0	8.7
10°	15.5	15.2	14.9	14.5	14.1	13.8	13.4	13.0	12.5	12.0	11.6
12.5°	19.3	18.9	18.5	18.1	17.7	17.2	16.7	16.2	15.6	15.0	14.3
15°	23.0	22.6	22.2	21.7	21.3	20.6	19.9	19.2	18.4	17.7	16.9
17.5°	26.8	26.4	25.9	25.3	24.5	23.7	22.9	22.1	21.2	20.3	19.4
20°	30.7	30.2	29.4	28.6	27.7	26.8	25.9	24.9	24.0	23.1	22.2
22.5°	34.6	33.7	32.8	31.9	30.9	29.8	28.8	28.0	27.1	26.1	24.9
25°	41.1	39.1	37.1	35.1	33.9	33.0	32.1	31.2	30.0	28.7	27.4
27.5°	50.3	47.8	45.2	42.6	40.2	38.1	36.1	34.0	32.6	31.2	29.7
30°	59.1	55.8	52.5	49.3	46.3	43.5	40.7	38.2	35.9	33.8	32.0
32.5°	67.2	63.1	59.0	54.9	51.1	47.6	44.4	41.5	38.9	36.7	34.6
35°	74.6	69.7	64.3	59.4	54.9	50.8	47.2	44.0	41.4	38.9	36.2
37.5°	81.5	75.1	68.6	63.1	57.9	53.4	49.4	46.3	43.3	40.3	37.7
40°	87.7	79.6	72.4	65.9	60.3	55.3	51.6	48.1	44.7	41.9	39.7
42.5°	92.7	83.3	75.5	68.4	62.1	57.5	53.4	49.5	46.4	43.9	41.5
45°	97.0	86.8	77.9	70.4	64.1	59.3	54.9	51.1	48.5	45.8	43.2
47.5°	99.9	89.7	80.3	71.8	66.1	60.9	56.2	53.3	50.4	47.5	45.1
50°	101.4	91.8	82.7	74.8	68.5	62.6	58.4	55.3	52.2	49.6	46.9
52.5°	103.9	94.5	85.5	78.6	72.5	66.9	63.1	58.7	54.2	51.6	48.4
55°	106.8	97.8	89.0	82.6	76.8	72.6	69.0	64.7	59.6	54.7	50.1
57.5°	110.1	101.3	93.3	87.0	81.5	78.9	75.3	70.1	64.2	58.3	53.1
60°	113.9	105.0	97.8	91.9	87.7	85.7	81.9	74.9	67.9	61.4	55.5
62.5°	118.1	109.0	102.5	97.0	94.5	92.3	87.4	78.9	71.0	63.9	57.5
65°	122.3	113.7	107.4	102.4	101.7	99.3	92.0	82.6	73.8	66.0	59.0
67.5°	126.7	118.7	112.8	108.7	109.3	106.5	96.2	85.8	76.4	67.9	60.3
70°	128.4	121.8	117.1	115.3	116.4	112.5	100.1	88.8	78.6	69.5	61.4
72.5°	127.5	121.7	117.1	115.9	116.6	112.4	101.9	91.3	80.8	71.0	62.3
75°	126.9	121.7	117.2	116.2	116.0	111.1	102.5	92.5	81.9	72.3	63.5
77.5°	126.5	122.0	117.2	116.2	115.4	110.8	103.9	94.1	83.5	74.0	65.0
80°	126.3	122.4	117.3	116.0	114.8	111.3	106.1	95.9	85.3	75.9	66.6
82.5°	126.3	122.9	117.4	115.7	114.2	112.3	108.9	98.1	87.5	78.3	68.4
85°	126.4	123.6	117.6	115.3	113.7	113.8	112.1	100.6	90.0	81.0	70.6
87.5°	126.7	124.3	117.9	114.9	113.1	115.6	115.7	103.5	92.9	84.1	73.1
90°	127.0	125.1	118.3	114.5	112.6	117.4	119.3	106.8	96.2	87.6	76.0
92.5°	126.7	124.3	117.9	114.9	113.1	115.6	115.7	103.5	92.9	84.1	73.1
95°	126.4	123.6	117.6	115.3	113.7	113.8	112.1	100.6	90.0	81.0	70.6
97.5°	126.3	122.9	117.4	115.7	114.2	112.3	108.9	98.1	87.5	78.3	68.4
100°	126.3	122.4	117.3	116.0	114.8	111.3	106.1	95.9	85.3	75.9	66.6
102.5°	126.5	122.0	117.2	116.2	115.4	110.8	103.9	94.1	83.5	74.0	65.0
105°	126.9	121.7	117.2	116.2	116.0	111.1	102.5	92.5	81.9	72.3	63.5
107.5°	127.5	121.7	117.1	115.9	116.6	112.4	101.9	91.3	80.8	71.0	62.3
110°	128.4	121.8	117.1	115.3	116.4	112.5	100.1	88.8	78.6	69.5	61.4



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	126.7	118.7	112.8	108.7	109.3	106.5	96.2	85.8	76.4	67.9	60.3
115°	122.3	113.7	107.4	102.4	101.7	99.3	92.0	82.6	73.8	66.0	59.0
117.5°	118.1	109.0	102.5	97.0	94.5	92.3	87.4	78.9	71.0	63.9	57.5
120°	113.9	105.0	97.8	91.9	87.7	85.7	81.9	74.9	67.9	61.4	55.5
122.5°	110.1	101.3	93.3	87.0	81.5	78.9	75.3	70.1	64.2	58.3	53.1
125°	106.8	97.8	89.0	82.6	76.8	72.6	69.0	64.7	59.6	54.7	50.1
127.5°	103.9	94.5	85.5	78.6	72.5	66.9	63.1	58.7	54.2	51.6	48.4
130°	101.4	91.8	82.7	74.8	68.5	62.6	58.4	55.3	52.2	49.6	46.9
132.5°	99.9	89.7	80.3	71.8	66.1	60.9	56.2	53.3	50.4	47.5	45.1
135°	97.0	86.8	77.9	70.4	64.1	59.3	54.9	51.1	48.5	45.8	43.2
137.5°	92.7	83.3	75.5	68.4	62.1	57.5	53.4	49.5	46.4	43.9	41.5
140°	87.7	79.6	72.4	65.9	60.3	55.3	51.6	48.1	44.7	41.9	39.7
142.5°	81.5	75.1	68.6	63.1	57.9	53.4	49.4	46.3	43.3	40.3	37.7
145°	74.6	69.7	64.3	59.4	54.9	50.8	47.2	44.0	41.4	38.9	36.2
147.5°	67.2	63.1	59.0	54.9	51.1	47.6	44.4	41.5	38.9	36.7	34.6
150°	59.1	55.8	52.5	49.3	46.3	43.5	40.7	38.2	35.9	33.8	32.0
152.5°	50.3	47.8	45.2	42.6	40.2	38.1	36.1	34.0	32.6	31.2	29.7
155°	41.1	39.1	37.1	35.1	33.9	33.0	32.1	31.2	30.0	28.7	27.4
157.5°	34.6	33.7	32.8	31.9	30.9	29.8	28.8	28.0	27.1	26.1	24.9
160°	30.7	30.2	29.4	28.6	27.7	26.8	25.9	24.9	24.0	23.1	22.2
162.5°	26.8	26.4	25.9	25.3	24.5	23.7	22.9	22.1	21.2	20.3	19.4
165°	23.0	22.6	22.2	21.7	21.3	20.6	19.9	19.2	18.4	17.7	16.9
167.5°	19.3	18.9	18.5	18.1	17.7	17.2	16.7	16.2	15.6	15.0	14.3
170°	15.5	15.2	14.9	14.5	14.1	13.8	13.4	13.0	12.5	12.0	11.6
172.5°	11.8	11.5	11.3	11.0	10.7	10.4	10.1	9.7	9.4	9.0	8.7
175°	7.9	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.8
177.5°	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.3	3.2	3.1	3.0
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: P231940

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.8	2.7	2.6	2.4	2.2	2.1	1.9	1.8	1.6	1.4	1.3
5°	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
7.5°	8.3	7.9	7.5	7.0	6.6	6.1	5.7	5.2	4.7	4.2	3.7
10°	11.1	10.5	9.9	9.3	8.7	8.1	7.5	6.8	6.2	5.5	4.8
12.5°	13.6	12.9	12.2	11.4	10.7	9.9	9.1	8.3	7.5	6.7	5.9
15°	16.1	15.2	14.4	13.5	12.6	11.7	10.8	9.9	9.0	8.1	7.1
17.5°	18.5	17.6	16.7	15.8	14.8	13.8	12.7	11.6	10.5	9.3	8.2
20°	21.2	20.2	19.1	17.9	16.7	15.5	14.3	13.0	11.7	10.5	9.2
22.5°	23.7	22.4	21.2	19.8	18.5	17.1	15.8	14.4	13.0	11.6	10.2
25°	26.0	24.6	23.1	21.7	20.2	18.8	17.3	15.8	14.1	12.5	10.9
27.5°	28.2	26.7	25.1	23.6	21.9	20.1	18.3	16.5	14.9	13.3	11.6
30°	30.4	28.8	26.8	24.8	22.9	21.2	19.5	17.7	16.0	14.2	12.5
32.5°	32.3	30.0	28.0	26.2	24.4	22.6	20.8	18.9	17.0	15.2	13.3
35°	33.7	31.7	29.8	27.9	26.0	24.0	22.0	20.1	18.1	16.0	13.9
37.5°	35.6	33.5	31.5	29.4	27.4	25.3	23.2	20.9	18.6	16.4	14.3
40°	37.4	35.2	33.0	30.9	28.7	26.2	23.7	21.5	19.4	17.2	15.0
42.5°	39.1	36.8	34.6	32.0	29.3	27.0	24.8	22.5	19.9	17.5	15.1
45°	40.9	38.4	35.6	32.9	30.5	28.0	25.3	22.6	20.3	18.1	15.8
47.5°	42.5	39.5	36.7	34.1	31.3	28.4	25.9	23.5	21.2	18.8	16.6
50°	43.8	40.8	37.9	34.9	31.9	29.3	26.7	24.3	21.9	19.5	17.1
52.5°	45.1	42.0	38.8	35.7	32.8	30.2	27.6	25.1	22.6	20.1	17.7
55°	46.4	43.1	39.8	36.6	33.9	31.2	28.6	25.9	23.2	20.6	17.8
57.5°	48.4	44.3	40.8	37.8	35.0	32.3	29.4	26.4	23.6	20.6	17.5
60°	50.4	45.8	42.0	39.1	36.2	33.1	29.9	26.9	23.8	20.5	17.4
62.5°	51.8	46.9	43.0	39.9	36.9	33.6	30.7	27.3	23.9	20.5	17.4
65°	52.9	47.8	43.7	40.1	36.5	33.9	31.3	27.6	23.7	20.0	16.6
67.5°	53.7	48.3	44.0	39.9	36.3	33.2	30.3	27.1	23.1	19.2	15.7
70°	54.4	48.8	44.0	39.5	35.6	32.1	28.6	25.2	21.9	18.3	14.6
72.5°	54.9	49.2	43.9	39.0	34.7	30.8	26.9	23.5	20.1	16.8	13.5
75°	55.6	49.4	43.8	38.3	33.8	29.5	25.6	22.1	18.5	15.1	12.4
77.5°	56.9	50.0	43.6	37.7	32.9	28.4	24.6	20.9	17.2	14.2	11.3
80°	58.2	50.6	43.6	37.4	31.9	27.3	23.5	20.1	16.5	13.4	9.7
82.5°	59.6	51.3	43.8	37.1	31.1	26.0	21.9	18.4	15.4	12.1	8.1
85°	61.2	52.1	44.3	36.9	30.3	24.8	20.4	17.0	14.2	10.8	7.3
87.5°	63.1	53.2	45.0	37.0	29.9	23.8	19.2	16.0	13.2	10.4	7.2
90°	65.4	54.8	46.2	37.5	29.8	23.1	18.3	15.4	12.5	10.6	7.7
92.5°	63.1	53.2	45.0	37.0	29.9	23.8	19.2	16.0	13.2	10.4	7.2
95°	61.2	52.1	44.3	36.9	30.3	24.8	20.4	17.0	14.2	10.8	7.3
97.5°	59.6	51.3	43.8	37.1	31.1	26.0	21.9	18.4	15.4	12.1	8.1
100°	58.2	50.6	43.6	37.4	31.9	27.3	23.5	20.1	16.5	13.4	9.7
102.5°	56.9	50.0	43.6	37.7	32.9	28.4	24.6	20.9	17.2	14.2	11.3
105°	55.6	49.4	43.8	38.3	33.8	29.5	25.6	22.1	18.5	15.1	12.4
107.5°	54.9	49.2	43.9	39.0	34.7	30.8	26.9	23.5	20.1	16.8	13.5
110°	54.4	48.8	44.0	39.5	35.6	32.1	28.6	25.2	21.9	18.3	14.6





TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	53.7	48.3	44.0	39.9	36.3	33.2	30.3	27.1	23.1	19.2	15.7
115°	52.9	47.8	43.7	40.1	36.5	33.9	31.3	27.6	23.7	20.0	16.6
117.5°	51.8	46.9	43.0	39.9	36.9	33.6	30.7	27.3	23.9	20.5	17.4
120°	50.4	45.8	42.0	39.1	36.2	33.1	29.9	26.9	23.8	20.5	17.4
122.5°	48.4	44.3	40.8	37.8	35.0	32.3	29.4	26.4	23.6	20.6	17.5
125°	46.4	43.1	39.8	36.6	33.9	31.2	28.6	25.9	23.2	20.6	17.8
127.5°	45.1	42.0	38.8	35.7	32.8	30.2	27.6	25.1	22.6	20.1	17.7
130°	43.8	40.8	37.9	34.9	31.9	29.3	26.7	24.3	21.9	19.5	17.1
132.5°	42.5	39.5	36.7	34.1	31.3	28.4	25.9	23.5	21.2	18.8	16.6
135°	40.9	38.4	35.6	32.9	30.5	28.0	25.3	22.6	20.3	18.1	15.8
137.5°	39.1	36.8	34.6	32.0	29.3	27.0	24.8	22.5	19.9	17.5	15.1
140°	37.4	35.2	33.0	30.9	28.7	26.2	23.7	21.5	19.4	17.2	15.0
142.5°	35.6	33.5	31.5	29.4	27.4	25.3	23.2	20.9	18.6	16.4	14.3
145°	33.7	31.7	29.8	27.9	26.0	24.0	22.0	20.1	18.1	16.0	13.9
147.5°	32.3	30.0	28.0	26.2	24.4	22.6	20.8	18.9	17.0	15.2	13.3
150°	30.4	28.8	26.8	24.8	22.9	21.2	19.5	17.7	16.0	14.2	12.5
152.5°	28.2	26.7	25.1	23.6	21.9	20.1	18.3	16.5	14.9	13.3	11.6
155°	26.0	24.6	23.1	21.7	20.2	18.8	17.3	15.8	14.1	12.5	10.9
157.5°	23.7	22.4	21.2	19.8	18.5	17.1	15.8	14.4	13.0	11.6	10.2
160°	21.2	20.2	19.1	17.9	16.7	15.5	14.3	13.0	11.7	10.5	9.2
162.5°	18.5	17.6	16.7	15.8	14.8	13.8	12.7	11.6	10.5	9.3	8.2
165°	16.1	15.2	14.4	13.5	12.6	11.7	10.8	9.9	9.0	8.1	7.1
167.5°	13.6	12.9	12.2	11.4	10.7	9.9	9.1	8.3	7.5	6.7	5.9
170°	11.1	10.5	9.9	9.3	8.7	8.1	7.5	6.8	6.2	5.5	4.8
172.5°	8.3	7.9	7.5	7.0	6.6	6.1	5.7	5.2	4.7	4.2	3.7
175°	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
177.5°	2.8	2.7	2.6	2.4	2.2	2.1	1.9	1.8	1.6	1.4	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: P231940

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	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	0.7	0.5	0.4	0.2	0.0	0.2	0.4	0.5	0.7
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°	3.2	2.7	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
10°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
12.5°	5.1	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
15°	6.1	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
17.5°	7.0	5.9	4.7	3.5	2.4	1.2	0.0	1.2	2.4	3.5	4.7
20°	7.9	6.6	5.3	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.3
22.5°	8.7	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
25°	9.3	7.8	6.2	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.2
27.5°	10.0	8.3	6.7	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.7
30°	10.7	8.9	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
32.5°	11.4	9.5	7.6	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.6
35°	11.9	9.9	7.8	5.9	3.9	1.9	0.0	1.9	3.9	5.9	7.8
37.5°	12.3	10.3	8.2	6.2	4.1	2.1	0.0	2.1	4.1	6.2	8.2
40°	12.7	10.5	8.4	6.2	4.1	2.1	0.0	2.1	4.1	6.2	8.4
42.5°	12.9	10.8	8.6	6.5	4.3	2.2	0.0	2.2	4.3	6.5	8.6
45°	13.6	11.5	9.4	7.3	5.2	3.1	1.0	3.1	5.2	7.3	9.4
47.5°	14.3	12.1	9.9	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.9
50°	14.8	12.5	10.2	7.9	5.6	3.3	1.0	3.3	5.6	7.9	10.2
52.5°	15.3	12.7	10.2	7.8	5.5	3.2	1.0	3.2	5.5	7.8	10.2
55°	15.0	12.4	9.9	7.5	5.3	3.1	1.0	3.1	5.3	7.5	9.9
57.5°	14.5	12.0	9.8	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.8
60°	14.7	12.3	9.7	7.3	5.1	3.0	1.0	3.0	5.1	7.3	9.7
62.5°	14.3	11.5	9.1	6.8	4.8	2.8	1.0	2.8	4.8	6.8	9.1
65°	13.5	10.8	8.3	6.2	4.3	2.6	1.0	2.6	4.3	6.2	8.3
67.5°	12.5	9.8	7.4	5.4	3.7	2.3	1.0	2.3	3.7	5.4	7.4
70°	11.4	8.7	6.4	4.4	3.0	1.9	1.0	1.9	3.0	4.4	6.4
72.5°	10.5	8.0	5.5	3.4	2.5	1.7	1.0	1.7	2.5	3.4	5.5
75°	10.2	7.5	5.0	3.1	2.0	1.4	1.0	1.4	2.0	3.1	5.0
77.5°	8.9	6.7	4.1	2.1	0.7	0.1	0.0	0.1	0.7	2.1	4.1
80°	6.9	4.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
82.5°	4.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	6.9	4.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
102.5°	8.9	6.7	4.1	2.1	0.7	0.1	0.0	0.1	0.7	2.1	4.1
105°	10.2	7.5	5.0	3.1	2.0	1.4	1.0	1.4	2.0	3.1	5.0
107.5°	10.5	8.0	5.5	3.4	2.5	1.7	1.0	1.7	2.5	3.4	5.5
110°	11.4	8.7	6.4	4.4	3.0	1.9	1.0	1.9	3.0	4.4	6.4



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	12.5	9.8	7.4	5.4	3.7	2.3	1.0	2.3	3.7	5.4	7.4
115°	13.5	10.8	8.3	6.2	4.3	2.6	1.0	2.6	4.3	6.2	8.3
117.5°	14.3	11.5	9.1	6.8	4.8	2.8	1.0	2.8	4.8	6.8	9.1
120°	14.7	12.3	9.7	7.3	5.1	3.0	1.0	3.0	5.1	7.3	9.7
122.5°	14.5	12.0	9.8	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.8
125°	15.0	12.4	9.9	7.5	5.3	3.1	1.0	3.1	5.3	7.5	9.9
127.5°	15.3	12.7	10.2	7.8	5.5	3.2	1.0	3.2	5.5	7.8	10.2
130°	14.8	12.5	10.2	7.9	5.6	3.3	1.0	3.3	5.6	7.9	10.2
132.5°	14.3	12.1	9.9	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.9
135°	13.6	11.5	9.4	7.3	5.2	3.1	1.0	3.1	5.2	7.3	9.4
137.5°	12.9	10.8	8.6	6.5	4.3	2.2	0.0	2.2	4.3	6.5	8.6
140°	12.7	10.5	8.4	6.2	4.1	2.1	0.0	2.1	4.1	6.2	8.4
142.5°	12.3	10.3	8.2	6.2	4.1	2.1	0.0	2.1	4.1	6.2	8.2
145°	11.9	9.9	7.8	5.9	3.9	1.9	0.0	1.9	3.9	5.9	7.8
147.5°	11.4	9.5	7.6	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.6
150°	10.7	8.9	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
152.5°	10.0	8.3	6.7	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.7
155°	9.3	7.8	6.2	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.2
157.5°	8.7	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
160°	7.9	6.6	5.3	4.0	2.6	1.3	0.0	1.3	2.6	4.0	5.3
162.5°	7.0	5.9	4.7	3.5	2.4	1.2	0.0	1.2	2.4	3.5	4.7
165°	6.1	5.1	4.1	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.1
167.5°	5.1	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
170°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
172.5°	3.2	2.7	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	0.7	0.5	0.4	0.2	0.0	0.2	0.4	0.5	0.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	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	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.6
5°	1.8	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.4	4.7	5.0
7.5°	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.1	6.6	7.0	7.5
10°	3.5	4.2	4.8	5.5	6.2	6.8	7.5	8.1	8.7	9.3	9.9
12.5°	4.2	5.1	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.4	12.2
15°	5.1	6.1	7.1	8.1	9.0	9.9	10.8	11.7	12.6	13.5	14.4
17.5°	5.9	7.0	8.2	9.3	10.5	11.6	12.7	13.8	14.8	15.8	16.7
20°	6.6	7.9	9.2	10.5	11.7	13.0	14.3	15.5	16.7	17.9	19.1
22.5°	7.3	8.7	10.2	11.6	13.0	14.4	15.8	17.1	18.5	19.8	21.2
25°	7.8	9.3	10.9	12.5	14.1	15.8	17.3	18.8	20.2	21.7	23.1
27.5°	8.3	10.0	11.6	13.3	14.9	16.5	18.3	20.1	21.9	23.6	25.1
30°	8.9	10.7	12.5	14.2	16.0	17.7	19.5	21.2	22.9	24.8	26.8
32.5°	9.5	11.4	13.3	15.2	17.0	18.9	20.8	22.6	24.4	26.2	28.0
35°	9.9	11.9	13.9	16.0	18.1	20.1	22.0	24.0	26.0	27.9	29.8
37.5°	10.3	12.3	14.3	16.4	18.6	20.9	23.2	25.3	27.4	29.4	31.5
40°	10.5	12.7	15.0	17.2	19.4	21.5	23.7	26.2	28.7	30.9	33.0
42.5°	10.8	12.9	15.1	17.5	19.9	22.5	24.8	27.0	29.3	32.0	34.6
45°	11.5	13.6	15.8	18.1	20.3	22.6	25.3	28.0	30.5	32.9	35.6
47.5°	12.1	14.3	16.6	18.8	21.2	23.5	25.9	28.4	31.3	34.1	36.7
50°	12.5	14.8	17.1	19.5	21.9	24.3	26.7	29.3	31.9	34.9	37.9
52.5°	12.7	15.3	17.7	20.1	22.6	25.1	27.6	30.2	32.8	35.7	38.8
55°	12.4	15.0	17.8	20.6	23.2	25.9	28.6	31.2	33.9	36.6	39.8
57.5°	12.0	14.5	17.5	20.6	23.6	26.4	29.4	32.3	35.0	37.8	40.8
60°	12.3	14.7	17.4	20.5	23.8	26.9	29.9	33.1	36.2	39.1	42.0
62.5°	11.5	14.3	17.4	20.5	23.9	27.3	30.7	33.6	36.9	39.9	43.0
65°	10.8	13.5	16.6	20.0	23.7	27.6	31.3	33.9	36.5	40.1	43.7
67.5°	9.8	12.5	15.7	19.2	23.1	27.1	30.3	33.2	36.3	39.9	44.0
70°	8.7	11.4	14.6	18.3	21.9	25.2	28.6	32.1	35.6	39.5	44.0
72.5°	8.0	10.5	13.5	16.8	20.1	23.5	26.9	30.8	34.7	39.0	43.9
75°	7.5	10.2	12.4	15.1	18.5	22.1	25.6	29.5	33.8	38.3	43.8
77.5°	6.7	8.9	11.3	14.2	17.2	20.9	24.6	28.4	32.9	37.7	43.6
80°	4.5	6.9	9.7	13.4	16.5	20.1	23.5	27.3	31.9	37.4	43.6
82.5°	2.2	4.8	8.1	12.1	15.4	18.4	21.9	26.0	31.1	37.1	43.8
85°	0.7	3.5	7.3	10.8	14.2	17.0	20.4	24.8	30.3	36.9	44.3
87.5°	0.3	3.3	7.2	10.4	13.2	16.0	19.2	23.8	29.9	37.0	45.0
90°	0.0	3.8	7.7	10.6	12.5	15.4	18.3	23.1	29.8	37.5	46.2
92.5°	0.3	3.3	7.2	10.4	13.2	16.0	19.2	23.8	29.9	37.0	45.0
95°	0.7	3.5	7.3	10.8	14.2	17.0	20.4	24.8	30.3	36.9	44.3
97.5°	2.2	4.8	8.1	12.1	15.4	18.4	21.9	26.0	31.1	37.1	43.8
100°	4.5	6.9	9.7	13.4	16.5	20.1	23.5	27.3	31.9	37.4	43.6
102.5°	6.7	8.9	11.3	14.2	17.2	20.9	24.6	28.4	32.9	37.7	43.6
105°	7.5	10.2	12.4	15.1	18.5	22.1	25.6	29.5	33.8	38.3	43.8
107.5°	8.0	10.5	13.5	16.8	20.1	23.5	26.9	30.8	34.7	39.0	43.9
110°	8.7	11.4	14.6	18.3	21.9	25.2	28.6	32.1	35.6	39.5	44.0



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	9.8	12.5	15.7	19.2	23.1	27.1	30.3	33.2	36.3	39.9	44.0
115°	10.8	13.5	16.6	20.0	23.7	27.6	31.3	33.9	36.5	40.1	43.7
117.5°	11.5	14.3	17.4	20.5	23.9	27.3	30.7	33.6	36.9	39.9	43.0
120°	12.3	14.7	17.4	20.5	23.8	26.9	29.9	33.1	36.2	39.1	42.0
122.5°	12.0	14.5	17.5	20.6	23.6	26.4	29.4	32.3	35.0	37.8	40.8
125°	12.4	15.0	17.8	20.6	23.2	25.9	28.6	31.2	33.9	36.6	39.8
127.5°	12.7	15.3	17.7	20.1	22.6	25.1	27.6	30.2	32.8	35.7	38.8
130°	12.5	14.8	17.1	19.5	21.9	24.3	26.7	29.3	31.9	34.9	37.9
132.5°	12.1	14.3	16.6	18.8	21.2	23.5	25.9	28.4	31.3	34.1	36.7
135°	11.5	13.6	15.8	18.1	20.3	22.6	25.3	28.0	30.5	32.9	35.6
137.5°	10.8	12.9	15.1	17.5	19.9	22.5	24.8	27.0	29.3	32.0	34.6
140°	10.5	12.7	15.0	17.2	19.4	21.5	23.7	26.2	28.7	30.9	33.0
142.5°	10.3	12.3	14.3	16.4	18.6	20.9	23.2	25.3	27.4	29.4	31.5
145°	9.9	11.9	13.9	16.0	18.1	20.1	22.0	24.0	26.0	27.9	29.8
147.5°	9.5	11.4	13.3	15.2	17.0	18.9	20.8	22.6	24.4	26.2	28.0
150°	8.9	10.7	12.5	14.2	16.0	17.7	19.5	21.2	22.9	24.8	26.8
152.5°	8.3	10.0	11.6	13.3	14.9	16.5	18.3	20.1	21.9	23.6	25.1
155°	7.8	9.3	10.9	12.5	14.1	15.8	17.3	18.8	20.2	21.7	23.1
157.5°	7.3	8.7	10.2	11.6	13.0	14.4	15.8	17.1	18.5	19.8	21.2
160°	6.6	7.9	9.2	10.5	11.7	13.0	14.3	15.5	16.7	17.9	19.1
162.5°	5.9	7.0	8.2	9.3	10.5	11.6	12.7	13.8	14.8	15.8	16.7
165°	5.1	6.1	7.1	8.1	9.0	9.9	10.8	11.7	12.6	13.5	14.4
167.5°	4.2	5.1	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.4	12.2
170°	3.5	4.2	4.8	5.5	6.2	6.8	7.5	8.1	8.7	9.3	9.9
172.5°	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.1	6.6	7.0	7.5
175°	1.8	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.4	4.7	5.0
177.5°	0.9	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.6
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: P231940

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.7	2.8	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.7	3.8
5°	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.0	7.2	7.4	7.6
7.5°	7.9	8.3	8.7	9.0	9.4	9.7	10.1	10.4	10.7	11.0	11.3
10°	10.5	11.1	11.6	12.0	12.5	13.0	13.4	13.8	14.1	14.5	14.9
12.5°	12.9	13.6	14.3	15.0	15.6	16.2	16.7	17.2	17.7	18.1	18.5
15°	15.2	16.1	16.9	17.7	18.4	19.2	19.9	20.6	21.3	21.7	22.2
17.5°	17.6	18.5	19.4	20.3	21.2	22.1	22.9	23.7	24.5	25.3	25.9
20°	20.2	21.2	22.2	23.1	24.0	24.9	25.9	26.8	27.7	28.6	29.4
22.5°	22.4	23.7	24.9	26.1	27.1	28.0	28.8	29.8	30.9	31.9	32.8
25°	24.6	26.0	27.4	28.7	30.0	31.2	32.1	33.0	33.9	35.1	37.1
27.5°	26.7	28.2	29.7	31.2	32.6	34.0	36.1	38.1	40.2	42.6	45.2
30°	28.8	30.4	32.0	33.8	35.9	38.2	40.7	43.5	46.3	49.3	52.5
32.5°	30.0	32.3	34.6	36.7	38.9	41.5	44.4	47.6	51.1	54.9	59.0
35°	31.7	33.7	36.2	38.9	41.4	44.0	47.2	50.8	54.9	59.4	64.3
37.5°	33.5	35.6	37.7	40.3	43.3	46.3	49.4	53.4	57.9	63.1	68.6
40°	35.2	37.4	39.7	41.9	44.7	48.1	51.6	55.3	60.3	65.9	72.4
42.5°	36.8	39.1	41.5	43.9	46.4	49.5	53.4	57.5	62.1	68.4	75.5
45°	38.4	40.9	43.2	45.8	48.5	51.1	54.9	59.3	64.1	70.4	77.9
47.5°	39.5	42.5	45.1	47.5	50.4	53.3	56.2	60.9	66.1	71.8	80.3
50°	40.8	43.8	46.9	49.6	52.2	55.3	58.4	62.6	68.5	74.8	82.7
52.5°	42.0	45.1	48.4	51.6	54.2	58.7	63.1	66.9	72.5	78.6	85.5
55°	43.1	46.4	50.1	54.7	59.6	64.7	69.0	72.6	76.8	82.6	89.0
57.5°	44.3	48.4	53.1	58.3	64.2	70.1	75.3	78.9	81.5	87.0	93.3
60°	45.8	50.4	55.5	61.4	67.9	74.9	81.9	85.7	87.7	91.9	97.8
62.5°	46.9	51.8	57.5	63.9	71.0	78.9	87.4	92.3	94.5	97.0	102.5
65°	47.8	52.9	59.0	66.0	73.8	82.6	92.0	99.3	101.7	102.4	107.4
67.5°	48.3	53.7	60.3	67.9	76.4	85.8	96.2	106.5	109.3	108.7	112.8
70°	48.8	54.4	61.4	69.5	78.6	88.8	100.1	112.5	116.4	115.3	117.1
72.5°	49.2	54.9	62.3	71.0	80.8	91.3	101.9	112.4	116.6	115.9	117.1
75°	49.4	55.6	63.5	72.3	81.9	92.5	102.5	111.1	116.0	116.2	117.2
77.5°	50.0	56.9	65.0	74.0	83.5	94.1	103.9	110.8	115.4	116.2	117.2
80°	50.6	58.2	66.6	75.9	85.3	95.9	106.1	111.3	114.8	116.0	117.3
82.5°	51.3	59.6	68.4	78.3	87.5	98.1	108.9	112.3	114.2	115.7	117.4
85°	52.1	61.2	70.6	81.0	90.0	100.6	112.1	113.8	113.7	115.3	117.6
87.5°	53.2	63.1	73.1	84.1	92.9	103.5	115.7	115.6	113.1	114.9	117.9
90°	54.8	65.4	76.0	87.6	96.2	106.8	119.3	117.4	112.6	114.5	118.3
92.5°	53.2	63.1	73.1	84.1	92.9	103.5	115.7	115.6	113.1	114.9	117.9
95°	52.1	61.2	70.6	81.0	90.0	100.6	112.1	113.8	113.7	115.3	117.6
97.5°	51.3	59.6	68.4	78.3	87.5	98.1	108.9	112.3	114.2	115.7	117.4
100°	50.6	58.2	66.6	75.9	85.3	95.9	106.1	111.3	114.8	116.0	117.3
102.5°	50.0	56.9	65.0	74.0	83.5	94.1	103.9	110.8	115.4	116.2	117.2
105°	49.4	55.6	63.5	72.3	81.9	92.5	102.5	111.1	116.0	116.2	117.2
107.5°	49.2	54.9	62.3	71.0	80.8	91.3	101.9	112.4	116.6	115.9	117.1
110°	48.8	54.4	61.4	69.5	78.6	88.8	100.1	112.5	116.4	115.3	117.1



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	48.3	53.7	60.3	67.9	76.4	85.8	96.2	106.5	109.3	108.7	112.8
115°	47.8	52.9	59.0	66.0	73.8	82.6	92.0	99.3	101.7	102.4	107.4
117.5°	46.9	51.8	57.5	63.9	71.0	78.9	87.4	92.3	94.5	97.0	102.5
120°	45.8	50.4	55.5	61.4	67.9	74.9	81.9	85.7	87.7	91.9	97.8
122.5°	44.3	48.4	53.1	58.3	64.2	70.1	75.3	78.9	81.5	87.0	93.3
125°	43.1	46.4	50.1	54.7	59.6	64.7	69.0	72.6	76.8	82.6	89.0
127.5°	42.0	45.1	48.4	51.6	54.2	58.7	63.1	66.9	72.5	78.6	85.5
130°	40.8	43.8	46.9	49.6	52.2	55.3	58.4	62.6	68.5	74.8	82.7
132.5°	39.5	42.5	45.1	47.5	50.4	53.3	56.2	60.9	66.1	71.8	80.3
135°	38.4	40.9	43.2	45.8	48.5	51.1	54.9	59.3	64.1	70.4	77.9
137.5°	36.8	39.1	41.5	43.9	46.4	49.5	53.4	57.5	62.1	68.4	75.5
140°	35.2	37.4	39.7	41.9	44.7	48.1	51.6	55.3	60.3	65.9	72.4
142.5°	33.5	35.6	37.7	40.3	43.3	46.3	49.4	53.4	57.9	63.1	68.6
145°	31.7	33.7	36.2	38.9	41.4	44.0	47.2	50.8	54.9	59.4	64.3
147.5°	30.0	32.3	34.6	36.7	38.9	41.5	44.4	47.6	51.1	54.9	59.0
150°	28.8	30.4	32.0	33.8	35.9	38.2	40.7	43.5	46.3	49.3	52.5
152.5°	26.7	28.2	29.7	31.2	32.6	34.0	36.1	38.1	40.2	42.6	45.2
155°	24.6	26.0	27.4	28.7	30.0	31.2	32.1	33.0	33.9	35.1	37.1
157.5°	22.4	23.7	24.9	26.1	27.1	28.0	28.8	29.8	30.9	31.9	32.8
160°	20.2	21.2	22.2	23.1	24.0	24.9	25.9	26.8	27.7	28.6	29.4
162.5°	17.6	18.5	19.4	20.3	21.2	22.1	22.9	23.7	24.5	25.3	25.9
165°	15.2	16.1	16.9	17.7	18.4	19.2	19.9	20.6	21.3	21.7	22.2
167.5°	12.9	13.6	14.3	15.0	15.6	16.2	16.7	17.2	17.7	18.1	18.5
170°	10.5	11.1	11.6	12.0	12.5	13.0	13.4	13.8	14.1	14.5	14.9
172.5°	7.9	8.3	8.7	9.0	9.4	9.7	10.1	10.4	10.7	11.0	11.3
175°	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.0	7.2	7.4	7.6
177.5°	2.7	2.8	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.7	3.8
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: P231940

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	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	4.0	4.0	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.8
5°	7.8	7.9	8.0	8.2	8.3	8.4	8.4	8.5	8.5	8.6	9.6
7.5°	11.5	11.8	12.0	12.2	12.3	12.5	12.6	12.7	12.8	12.8	14.4
10°	15.2	15.5	15.8	16.1	16.3	16.6	16.7	16.9	17.0	17.1	19.2
12.5°	18.9	19.3	19.7	20.0	20.3	20.6	20.9	21.1	21.2	21.4	24.0
15°	22.6	23.0	23.4	23.9	24.3	24.6	24.9	25.2	25.5	25.7	28.7
17.5°	26.4	26.8	27.2	27.7	28.2	28.6	29.0	29.4	29.7	29.9	33.4
20°	30.2	30.7	31.1	31.5	32.1	32.6	33.1	33.5	33.9	34.2	38.2
22.5°	33.7	34.6	35.1	35.5	35.9	36.5	37.1	37.6	38.1	38.5	42.9
25°	39.1	41.1	43.0	44.5	46.0	47.6	49.2	50.6	51.8	52.8	57.9
27.5°	47.8	50.3	52.8	55.1	57.2	59.3	61.7	63.8	65.6	67.1	73.0
30°	55.8	59.1	62.1	65.1	68.0	70.7	73.8	76.8	79.2	81.5	88.2
32.5°	63.1	67.2	71.0	74.7	78.3	81.9	85.7	89.6	92.8	95.8	103.4
35°	69.7	74.6	79.5	83.8	88.2	92.7	97.4	102.2	106.3	110.1	118.7
37.5°	75.1	81.5	87.3	92.7	97.9	103.2	108.8	114.6	119.8	124.4	134.0
40°	79.6	87.7	94.6	101.2	107.1	113.4	119.9	126.9	133.2	138.8	149.4
42.5°	83.3	92.7	101.5	109.6	116.1	123.3	131.2	139.1	146.5	153.1	164.8
45°	86.8	97.0	107.9	116.9	125.0	132.9	141.8	151.1	159.8	167.4	180.2
47.5°	89.7	99.9	111.4	120.6	128.9	136.8	146.0	156.2	166.6	176.5	190.8
50°	91.8	101.4	112.3	122.1	131.0	139.4	149.4	160.9	173.3	185.6	201.4
52.5°	94.5	103.9	113.8	123.8	133.0	142.1	152.8	165.5	179.8	194.7	212.1
55°	97.8	106.8	116.0	125.6	135.0	144.8	156.1	169.9	186.3	203.8	222.8
57.5°	101.3	110.1	118.7	127.6	137.1	147.4	159.4	174.3	192.6	212.8	233.6
60°	105.0	113.9	122.2	130.0	139.3	150.1	162.6	178.5	198.8	221.9	244.3
62.5°	109.0	118.1	125.6	132.8	141.7	152.7	165.9	182.6	205.0	231.0	255.1
65°	113.7	122.3	129.7	136.1	144.2	155.3	169.1	186.7	211.1	240.1	265.9
67.5°	118.7	126.7	134.0	139.7	146.8	157.9	172.3	190.8	217.2	249.2	276.7
70°	121.8	128.4	135.0	139.9	145.9	156.4	170.6	189.3	215.7	247.9	277.2
72.5°	121.7	127.5	133.9	138.8	144.3	154.5	168.6	187.8	214.2	246.6	277.7
75°	121.7	126.9	132.9	137.7	142.9	152.7	166.6	186.3	212.9	245.4	279.3
77.5°	122.0	126.5	132.0	136.8	141.6	151.0	164.8	185.0	211.5	244.1	279.4
80°	122.4	126.3	131.2	135.9	140.4	149.5	163.0	183.8	210.3	242.8	279.6
82.5°	122.9	126.3	130.5	135.0	139.3	148.0	161.3	182.6	209.1	241.5	279.7
85°	123.6	126.4	129.9	134.2	138.3	146.7	159.7	181.6	208.0	240.3	279.8
87.5°	124.3	126.7	129.4	133.5	137.4	145.4	158.2	180.7	206.9	239.0	279.9
90°	125.1	127.0	128.9	132.8	136.6	144.3	156.8	179.9	205.9	237.7	280.0
92.5°	124.3	126.7	129.4	133.5	137.4	145.4	158.2	180.7	206.9	239.0	279.9
95°	123.6	126.4	129.9	134.2	138.3	146.7	159.7	181.6	208.0	240.3	279.8
97.5°	122.9	126.3	130.5	135.0	139.3	148.0	161.3	182.6	209.1	241.5	279.7
100°	122.4	126.3	131.2	135.9	140.4	149.5	163.0	183.8	210.3	242.8	279.6
102.5°	122.0	126.5	132.0	136.8	141.6	151.0	164.8	185.0	211.5	244.1	279.4
105°	121.7	126.9	132.9	137.7	142.9	152.7	166.6	186.3	212.9	245.4	279.3
107.5°	121.7	127.5	133.9	138.8	144.3	154.5	168.6	187.8	214.2	246.6	277.7
110°	121.8	128.4	135.0	139.9	145.9	156.4	170.6	189.3	215.7	247.9	277.2





TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	118.7	126.7	134.0	139.7	146.8	157.9	172.3	190.8	217.2	249.2	276.7
115°	113.7	122.3	129.7	136.1	144.2	155.3	169.1	186.7	211.1	240.1	265.9
117.5°	109.0	118.1	125.6	132.8	141.7	152.7	165.9	182.6	205.0	231.0	255.1
120°	105.0	113.9	122.2	130.0	139.3	150.1	162.6	178.5	198.8	221.9	244.3
122.5°	101.3	110.1	118.7	127.6	137.1	147.4	159.4	174.3	192.6	212.8	233.6
125°	97.8	106.8	116.0	125.6	135.0	144.8	156.1	169.9	186.3	203.8	222.8
127.5°	94.5	103.9	113.8	123.8	133.0	142.1	152.8	165.5	179.8	194.7	212.1
130°	91.8	101.4	112.3	122.1	131.0	139.4	149.4	160.9	173.3	185.6	201.4
132.5°	89.7	99.9	111.4	120.6	128.9	136.8	146.0	156.2	166.6	176.5	190.8
135°	86.8	97.0	107.9	116.9	125.0	132.9	141.8	151.1	159.8	167.4	180.2
137.5°	83.3	92.7	101.5	109.6	116.1	123.3	131.2	139.1	146.5	153.1	164.8
140°	79.6	87.7	94.6	101.2	107.1	113.4	119.9	126.9	133.2	138.8	149.4
142.5°	75.1	81.5	87.3	92.7	97.9	103.2	108.8	114.6	119.8	124.4	134.0
145°	69.7	74.6	79.5	83.8	88.2	92.7	97.4	102.2	106.3	110.1	118.7
147.5°	63.1	67.2	71.0	74.7	78.3	81.9	85.7	89.6	92.8	95.8	103.4
150°	55.8	59.1	62.1	65.1	68.0	70.7	73.8	76.8	79.2	81.5	88.2
152.5°	47.8	50.3	52.8	55.1	57.2	59.3	61.7	63.8	65.6	67.1	73.0
155°	39.1	41.1	43.0	44.5	46.0	47.6	49.2	50.6	51.8	52.8	57.9
157.5°	33.7	34.6	35.1	35.5	35.9	36.5	37.1	37.6	38.1	38.5	42.9
160°	30.2	30.7	31.1	31.5	32.1	32.6	33.1	33.5	33.9	34.2	38.2
162.5°	26.4	26.8	27.2	27.7	28.2	28.6	29.0	29.4	29.7	29.9	33.4
165°	22.6	23.0	23.4	23.9	24.3	24.6	24.9	25.2	25.5	25.7	28.7
167.5°	18.9	19.3	19.7	20.0	20.3	20.6	20.9	21.1	21.2	21.4	24.0
170°	15.2	15.5	15.8	16.1	16.3	16.6	16.7	16.9	17.0	17.1	19.2
172.5°	11.5	11.8	12.0	12.2	12.3	12.5	12.6	12.7	12.8	12.8	14.4
175°	7.8	7.9	8.0	8.2	8.3	8.4	8.4	8.5	8.5	8.6	9.6
177.5°	3.9	4.0	4.0	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.8
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: P231940

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.3	5.9	6.4	6.9	7.3	7.8	8.3	8.7	9.1	9.5	9.9
5°	10.7	11.7	12.7	13.7	14.6	15.5	16.4	17.3	18.1	18.9	19.7
7.5°	16.0	17.5	19.0	20.4	21.8	23.2	24.6	26.4	28.2	29.9	31.5
10°	21.2	23.2	25.2	27.1	29.1	31.6	34.1	36.5	38.8	41.1	43.4
12.5°	26.5	28.9	31.4	34.1	37.3	40.5	43.6	46.6	49.4	52.0	54.5
15°	31.7	34.6	37.6	41.6	45.5	49.3	52.9	56.2	59.3	62.4	65.8
17.5°	36.9	40.3	44.5	49.1	53.6	57.9	61.6	65.3	68.9	72.5	76.1
20°	42.0	46.0	51.3	56.6	61.6	65.9	70.1	74.2	78.4	82.5	86.5
22.5°	47.2	52.1	58.1	64.0	69.0	73.6	78.2	82.9	87.6	92.1	96.4
25°	62.7	68.4	74.5	79.9	84.1	88.0	91.6	95.1	98.2	101.0	105.6
27.5°	78.6	85.4	92.3	97.8	102.4	106.6	110.2	113.6	116.5	119.2	121.0
30°	94.7	102.5	110.2	115.6	121.1	124.6	128.1	131.2	134.0	136.0	137.6
32.5°	111.0	119.7	127.5	133.5	138.4	142.0	145.3	148.1	150.4	151.9	154.4
35°	127.4	136.9	144.8	151.3	155.6	159.2	161.8	164.4	165.8	167.7	171.0
37.5°	143.8	154.0	162.2	169.0	172.2	175.2	177.8	179.5	180.9	183.5	186.9
40°	160.2	171.2	179.5	185.6	188.5	191.0	193.1	194.1	195.7	198.1	203.3
42.5°	176.6	188.3	196.8	201.9	204.2	206.3	207.6	208.1	209.9	213.3	218.8
45°	193.0	205.1	214.1	217.8	219.6	221.2	221.5	222.0	223.1	228.1	234.7
47.5°	205.1	218.6	230.0	234.9	238.3	240.2	239.5	237.0	237.1	242.6	250.3
50°	217.1	232.1	245.7	253.6	260.7	266.3	270.0	272.3	275.6	277.6	277.8
52.5°	229.1	246.0	261.9	273.4	284.7	294.8	303.6	311.4	321.3	326.8	326.9
55°	241.2	260.3	278.8	294.5	310.1	325.3	339.9	354.9	370.0	377.8	372.7
57.5°	253.2	274.9	296.6	316.6	336.9	357.8	378.6	401.4	419.6	426.1	415.4
60°	265.3	289.7	315.0	339.8	365.4	392.2	419.6	450.5	470.6	469.9	455.1
62.5°	277.4	304.8	334.0	363.7	395.1	428.6	463.0	501.9	522.8	511.4	491.8
65°	289.5	320.1	353.4	388.3	426.0	466.4	509.1	552.7	575.5	550.9	525.7
67.5°	301.5	335.4	373.3	413.5	457.7	505.4	556.6	602.9	618.0	588.2	557.4
70°	305.2	340.2	379.4	422.8	471.5	524.9	584.2	635.8	649.2	621.5	588.9
72.5°	308.7	343.9	383.3	427.8	477.6	531.4	590.4	639.3	648.4	627.3	602.6
75°	312.2	347.3	386.7	432.4	483.1	537.0	594.9	642.6	650.3	636.2	614.7
77.5°	315.7	350.5	389.9	436.7	487.9	541.7	597.9	645.6	654.4	647.7	627.5
80°	320.4	353.4	392.6	440.5	492.0	545.4	599.4	648.1	660.2	661.4	640.8
82.5°	323.3	356.9	396.4	443.9	495.6	548.3	599.8	650.1	667.2	676.5	654.8
85°	326.2	358.8	397.7	447.8	499.6	551.9	600.5	653.3	675.0	692.6	669.4
87.5°	329.1	360.8	399.0	449.5	501.0	552.1	597.6	652.3	683.4	709.5	684.3
90°	332.0	362.7	400.3	451.3	502.3	552.3	594.6	651.4	690.8	725.5	700.5
92.5°	329.1	360.8	399.0	449.5	501.0	552.1	597.6	652.3	683.4	709.5	684.3
95°	326.2	358.8	397.7	447.8	499.6	551.9	600.5	653.3	675.0	692.6	669.4
97.5°	323.3	356.9	396.4	443.9	495.6	548.3	599.8	650.1	667.2	676.5	654.8
100°	320.4	353.4	392.6	440.5	492.0	545.4	599.4	648.1	660.2	661.4	640.8
102.5°	315.7	350.5	389.9	436.7	487.9	541.7	597.9	645.6	654.4	647.7	627.5
105°	312.2	347.3	386.7	432.4	483.1	537.0	594.9	642.6	650.3	636.2	614.7
107.5°	308.7	343.9	383.3	427.8	477.6	531.4	590.4	639.3	648.4	627.3	602.6
110°	305.2	340.2	379.4	422.8	471.5	524.9	584.2	635.8	649.2	621.5	588.9



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	301.5	335.4	373.3	413.5	457.7	505.4	556.6	602.9	618.0	588.2	557.4
115°	289.5	320.1	353.4	388.3	426.0	466.4	509.1	552.7	575.5	550.9	525.7
117.5°	277.4	304.8	334.0	363.7	395.1	428.6	463.0	501.9	522.8	511.4	491.8
120°	265.3	289.7	315.0	339.8	365.4	392.2	419.6	450.5	470.6	469.9	455.1
122.5°	253.2	274.9	296.6	316.6	336.9	357.8	378.6	401.4	419.6	426.1	415.4
125°	241.2	260.3	278.8	294.5	310.1	325.3	339.9	354.9	370.0	377.8	372.7
127.5°	229.1	246.0	261.9	273.4	284.7	294.8	303.6	311.4	321.3	326.8	326.9
130°	217.1	232.1	245.7	253.6	260.7	266.3	270.0	272.3	275.6	277.6	277.8
132.5°	205.1	218.6	230.0	234.9	238.3	240.2	239.5	237.0	237.1	242.6	250.3
135°	193.0	205.1	214.1	217.8	219.6	221.2	221.5	222.0	223.1	228.1	234.7
137.5°	176.6	188.3	196.8	201.9	204.2	206.3	207.6	208.1	209.9	213.3	218.8
140°	160.2	171.2	179.5	185.6	188.5	191.0	193.1	194.1	195.7	198.1	203.3
142.5°	143.8	154.0	162.2	169.0	172.2	175.2	177.8	179.5	180.9	183.5	186.9
145°	127.4	136.9	144.8	151.3	155.6	159.2	161.8	164.4	165.8	167.7	171.0
147.5°	111.0	119.7	127.5	133.5	138.4	142.0	145.3	148.1	150.4	151.9	154.4
150°	94.7	102.5	110.2	115.6	121.1	124.6	128.1	131.2	134.0	136.0	137.6
152.5°	78.6	85.4	92.3	97.8	102.4	106.6	110.2	113.6	116.5	119.2	121.0
155°	62.7	68.4	74.5	79.9	84.1	88.0	91.6	95.1	98.2	101.0	105.6
157.5°	47.2	52.1	58.1	64.0	69.0	73.6	78.2	82.9	87.6	92.1	96.4
160°	42.0	46.0	51.3	56.6	61.6	65.9	70.1	74.2	78.4	82.5	86.5
162.5°	36.9	40.3	44.5	49.1	53.6	57.9	61.6	65.3	68.9	72.5	76.1
165°	31.7	34.6	37.6	41.6	45.5	49.3	52.9	56.2	59.3	62.4	65.8
167.5°	26.5	28.9	31.4	34.1	37.3	40.5	43.6	46.6	49.4	52.0	54.5
170°	21.2	23.2	25.2	27.1	29.1	31.6	34.1	36.5	38.8	41.1	43.4
172.5°	16.0	17.5	19.0	20.4	21.8	23.2	24.6	26.4	28.2	29.9	31.5
175°	10.7	11.7	12.7	13.7	14.6	15.5	16.4	17.3	18.1	18.9	19.7
177.5°	5.3	5.9	6.4	6.9	7.3	7.8	8.3	8.7	9.1	9.5	9.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.3	10.6	10.9	11.3	11.5	11.8	12.1	12.3	12.5	12.6	12.8
5°	20.7	21.7	22.7	23.6	24.4	25.2	25.9	26.6	27.2	27.7	28.2
7.5°	33.0	34.5	35.9	37.3	38.5	39.7	40.8	41.8	42.8	43.6	44.4
10°	45.2	47.2	49.0	50.7	52.4	54.0	55.4	56.8	58.1	59.3	60.4
12.5°	57.0	59.3	61.6	63.8	66.0	68.0	69.9	71.6	73.3	75.0	76.6
15°	68.4	71.3	74.0	76.7	79.3	81.9	84.4	86.8	89.1	91.2	93.3
17.5°	79.6	83.3	86.2	89.5	92.6	95.7	98.7	101.8	104.7	107.6	110.4
20°	90.4	94.2	98.0	101.6	105.2	108.7	112.3	115.8	119.2	122.4	125.3
22.5°	100.7	104.8	108.6	112.5	116.5	120.9	125.2	129.3	132.9	135.6	137.7
25°	109.7	113.7	118.2	123.1	128.4	133.5	138.1	142.1	145.5	148.7	151.9
27.5°	122.5	124.7	128.4	134.6	140.9	146.8	152.7	157.4	162.2	166.2	169.7
30°	140.2	143.8	147.6	152.4	157.0	162.9	169.8	175.9	181.5	186.2	190.5
32.5°	157.9	162.1	167.3	172.6	178.8	184.7	190.8	196.7	202.5	206.9	210.8
35°	175.1	180.6	186.5	193.3	200.1	207.2	213.8	218.6	222.8	228.2	235.2
37.5°	192.5	198.6	206.0	213.6	221.5	228.6	234.5	240.3	247.0	254.2	261.0
40°	209.2	217.0	225.1	233.8	241.8	249.0	256.4	264.1	272.5	281.5	291.1
42.5°	226.4	234.7	244.2	253.3	261.8	270.3	278.7	288.9	300.0	312.1	325.2
45°	242.9	252.8	262.8	272.6	282.0	291.1	302.5	314.4	328.9	344.8	363.8
47.5°	259.7	270.2	281.4	291.7	301.4	313.3	326.3	341.8	359.9	380.1	407.4
50°	278.0	288.0	299.8	309.9	321.8	335.1	351.2	370.0	392.1	422.2	455.1
52.5°	324.4	324.6	325.2	328.3	342.1	357.6	376.1	398.2	429.8	465.8	506.0
55°	367.3	363.9	362.3	364.2	370.4	380.6	399.8	431.2	468.2	510.7	561.1
57.5°	406.3	399.7	396.4	397.2	402.7	414.8	435.3	464.5	507.5	559.4	616.8
60°	441.8	432.3	427.7	427.6	433.9	447.7	473.7	509.6	553.9	606.5	674.4
62.5°	475.1	463.2	456.2	454.3	463.2	482.5	512.3	551.7	602.4	664.1	732.2
65°	506.0	491.9	482.8	481.2	491.3	513.1	548.0	594.1	651.2	718.1	792.6
67.5°	535.0	518.3	506.5	507.1	519.9	544.6	582.0	631.3	695.7	769.7	852.7
70°	562.9	542.9	527.8	531.0	545.1	573.1	614.4	669.5	737.8	817.0	910.7
72.5°	579.7	561.4	550.0	554.3	568.0	599.4	642.2	702.3	775.7	862.7	959.0
75°	592.2	575.2	569.6	576.8	593.1	624.4	669.7	731.0	807.7	902.0	997.1
77.5°	605.1	590.1	589.6	598.0	616.2	650.1	698.9	761.6	840.7	933.3	1022.9
80°	618.3	605.8	609.8	618.1	637.2	673.5	723.6	785.9	867.3	958.9	1051.9
82.5°	632.0	622.3	630.0	637.4	656.5	694.6	744.3	804.3	887.0	979.3	1073.7
85°	646.2	639.3	650.2	655.9	674.2	713.6	761.5	817.6	900.3	994.2	1088.3
87.5°	660.7	656.7	670.5	674.1	691.0	731.5	776.7	828.0	910.2	1006.2	1099.1
90°	676.4	674.5	689.9	691.8	706.2	745.7	787.1	832.3	910.2	1006.4	1096.9
92.5°	660.7	656.7	670.5	674.1	691.0	731.5	776.7	828.0	910.2	1006.2	1099.1
95°	646.2	639.3	650.2	655.9	674.2	713.6	761.5	817.6	900.3	994.2	1088.3
97.5°	632.0	622.3	630.0	637.4	656.5	694.6	744.3	804.3	887.0	979.3	1073.7
100°	618.3	605.8	609.8	618.1	637.2	673.5	723.6	785.9	867.3	958.9	1051.9
102.5°	605.1	590.1	589.6	598.0	616.2	650.1	698.9	761.6	840.7	933.3	1022.9
105°	592.2	575.2	569.6	576.8	593.1	624.4	669.7	731.0	807.7	902.0	997.1
107.5°	579.7	561.4	550.0	554.3	568.0	599.4	642.2	702.3	775.7	862.7	959.0
110°	562.9	542.9	527.8	531.0	545.1	573.1	614.4	669.5	737.8	817.0	910.7



TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	535.0	518.3	506.5	507.1	519.9	544.6	582.0	631.3	695.7	769.7	852.7
115°	506.0	491.9	482.8	481.2	491.3	513.1	548.0	594.1	651.2	718.1	792.6
117.5°	475.1	463.2	456.2	454.3	463.2	482.5	512.3	551.7	602.4	664.1	732.2
120°	441.8	432.3	427.7	427.6	433.9	447.7	473.7	509.6	553.9	606.5	674.4
122.5°	406.3	399.7	396.4	397.2	402.7	414.8	435.3	464.5	507.5	559.4	616.8
125°	367.3	363.9	362.3	364.2	370.4	380.6	399.8	431.2	468.2	510.7	561.1
127.5°	324.4	324.6	325.2	328.3	342.1	357.6	376.1	398.2	429.8	465.8	506.0
130°	278.0	288.0	299.8	309.9	321.8	335.1	351.2	370.0	392.1	422.2	455.1
132.5°	259.7	270.2	281.4	291.7	301.4	313.3	326.3	341.8	359.9	380.1	407.4
135°	242.9	252.8	262.8	272.6	282.0	291.1	302.5	314.4	328.9	344.8	363.8
137.5°	226.4	234.7	244.2	253.3	261.8	270.3	278.7	288.9	300.0	312.1	325.2
140°	209.2	217.0	225.1	233.8	241.8	249.0	256.4	264.1	272.5	281.5	291.1
142.5°	192.5	198.7	206.0	213.6	221.5	228.6	234.5	240.3	247.0	254.2	261.0
145°	175.1	180.6	186.5	193.3	200.1	207.2	213.8	218.6	222.8	228.2	235.2
147.5°	157.9	162.1	167.3	172.6	178.8	184.7	190.8	196.7	202.5	206.9	210.8
150°	140.2	143.8	147.6	152.4	157.0	162.9	169.8	175.9	181.5	186.2	190.5
152.5°	122.5	124.7	128.4	134.6	140.9	146.8	152.7	157.4	162.2	166.2	169.7
155°	109.7	113.7	118.2	123.1	128.4	133.5	138.1	142.1	145.5	148.7	151.9
157.5°	100.7	104.8	108.6	112.5	116.5	120.9	125.2	129.3	132.9	135.6	137.7
160°	90.4	94.2	98.0	101.6	105.2	108.7	112.3	115.8	119.2	122.4	125.3
162.5°	79.6	83.3	86.2	89.5	92.6	95.7	98.7	101.8	104.7	107.6	110.4
165°	68.4	71.3	74.0	76.7	79.3	81.9	84.4	86.8	89.1	91.2	93.3
167.5°	57.0	59.3	61.6	63.8	66.0	68.0	69.9	71.6	73.3	75.0	76.6
170°	45.2	47.2	49.0	50.7	52.4	54.0	55.4	56.8	58.1	59.3	60.4
172.5°	33.0	34.5	35.9	37.3	38.5	39.7	40.8	41.8	42.8	43.6	44.4
175°	20.7	21.7	22.7	23.6	24.4	25.2	25.9	26.6	27.2	27.7	28.2
177.5°	10.3	10.6	10.9	11.3	11.5	11.8	12.1	12.3	12.5	12.6	12.8
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: P231940

CATALOG NUMBER: FVS4WM-2-LD4-30-2HI-PA187-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°	12.9	13.0	13.1	13.1	13.2	13.2	13.6	13.4	13.2	13.0	12.9
5°	28.7	29.0	29.3	29.6	29.8	29.9	29.9	29.9	30.4	30.0	29.6
7.5°	45.1	45.7	46.2	46.7	47.0	47.2	47.4	47.4	47.4	47.7	47.2
10°	61.4	62.3	63.0	63.6	64.1	64.5	64.7	64.9	64.9	65.3	64.7
12.5°	78.0	79.4	80.6	81.7	82.6	83.3	83.9	84.3	84.6	84.6	84.9
15°	95.5	97.5	99.4	101.1	102.7	104.0	105.3	106.3	107.1	107.6	108.5
17.5°	113.0	115.2	117.1	118.8	120.3	121.6	122.6	123.5	124.0	124.4	125.0
20°	128.0	130.1	131.1	131.8	132.2	132.3	132.1	131.7	131.1	130.2	129.4
22.5°	139.4	140.6	141.9	143.0	143.6	143.9	143.7	143.1	142.1	140.9	139.8
25°	154.4	156.4	157.7	158.8	159.3	159.2	158.6	157.5	156.0	154.1	151.8
27.5°	172.7	174.8	176.2	177.4	178.4	179.0	179.1	178.7	177.9	176.5	174.6
30°	193.1	195.8	198.0	199.9	203.5	206.7	209.4	211.4	212.7	213.3	213.0
32.5°	215.1	220.8	226.3	231.4	236.7	241.7	246.1	249.8	252.6	254.5	255.5
35°	242.0	249.8	257.6	264.9	272.3	281.1	289.2	296.2	302.3	307.1	310.5
37.5°	270.5	280.5	292.6	304.4	315.8	328.6	340.8	351.7	361.1	369.0	375.0
40°	302.6	316.1	332.8	350.1	366.5	384.1	402.0	418.0	431.8	443.2	452.1
42.5°	341.3	358.2	379.1	404.6	428.5	451.1	473.9	494.2	511.9	526.8	538.6
45°	384.5	411.2	437.0	467.3	497.1	528.0	554.7	582.0	605.7	625.7	641.5
47.5°	436.9	469.4	502.0	536.6	576.1	613.1	650.2	686.0	717.5	744.2	765.8
50°	492.4	531.1	575.3	618.4	666.9	714.6	760.6	805.5	843.6	874.8	898.8
52.5°	552.0	600.8	655.4	710.4	770.9	832.3	887.4	942.6	989.9	1028.9	1059.1
55°	614.8	676.3	740.7	812.0	885.7	964.9	1034.7	1083.1	1124.4	1161.6	1193.5
57.5°	682.1	753.8	830.4	916.4	1009.4	1075.0	1134.4	1184.4	1230.3	1273.0	1311.0
60°	748.8	829.3	920.2	1011.9	1094.0	1160.8	1217.1	1269.9	1319.7	1366.7	1409.7
62.5°	809.8	901.3	1002.8	1099.8	1171.4	1235.4	1288.4	1339.3	1389.8	1438.7	1484.2
65°	875.3	974.1	1085.1	1166.4	1233.9	1293.3	1345.4	1393.6	1445.8	1499.2	1546.0
67.5°	946.6	1057.6	1144.7	1217.3	1280.8	1338.1	1394.0	1449.5	1502.1	1554.1	1598.9
70°	1013.2	1109.7	1191.4	1256.9	1316.9	1377.5	1438.4	1497.7	1553.9	1604.9	1647.5
72.5°	1059.8	1152.6	1229.9	1291.1	1350.0	1409.9	1475.7	1539.4	1602.1	1653.0	1690.8
75°	1094.3	1184.7	1257.0	1319.0	1381.1	1443.4	1506.9	1573.6	1634.8	1692.9	1736.5
77.5°	1120.7	1214.7	1276.2	1342.1	1407.4	1473.3	1537.3	1597.3	1664.8	1727.5	1778.7
80°	1147.6	1229.6	1290.9	1359.4	1426.6	1498.1	1558.9	1623.5	1688.2	1754.4	1802.6
82.5°	1171.4	1244.6	1308.4	1373.9	1440.5	1506.9	1572.6	1641.2	1710.3	1781.3	1822.8
85°	1188.3	1254.4	1319.3	1384.0	1452.6	1520.0	1584.1	1649.0	1721.2	1793.2	1845.7
87.5°	1201.7	1259.0	1323.4	1386.8	1456.5	1529.1	1594.9	1663.2	1730.3	1800.0	1838.3
90°	1199.8	1258.5	1321.1	1382.6	1451.9	1529.9	1595.3	1664.6	1731.9	1801.2	1831.0
92.5°	1201.7	1259.0	1323.4	1386.8	1456.5	1529.1	1594.9	1663.2	1730.3	1800.0	1838.3
95°	1188.3	1254.4	1319.3	1384.0	1452.6	1520.0	1584.1	1649.0	1721.2	1793.2	1845.7
97.5°	1171.4	1244.6	1308.4	1373.9	1440.5	1506.9	1572.6	1641.2	1710.3	1781.3	1822.8
100°	1147.6	1229.6	1290.9	1359.4	1426.6	1498.1	1558.9	1623.5	1688.2	1754.4	1802.6
102.5°	1120.7	1214.7	1276.2	1342.1	1407.4	1473.3	1537.3	1597.3	1664.8	1727.5	1778.7
105°	1094.3	1184.7	1257.0	1319.0	1381.1	1443.4	1506.9	1573.6	1634.8	1692.9	1736.5
107.5°	1059.8	1152.6	1229.9	1291.1	1350.0	1409.9	1475.7	1539.4	1602.1	1653.0	1690.8
110°	1013.2	1109.7	1191.4	1256.9	1316.9	1377.5	1438.4	1497.7	1553.9	1604.9	1647.5



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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°	946.6	1057.6	1144.7	1217.3	1280.8	1338.1	1394.0	1449.5	1502.1	1554.1	1598.9
115°	875.3	974.1	1085.1	1166.4	1233.9	1293.3	1345.4	1393.6	1445.8	1499.2	1546.0
117.5°	809.8	901.3	1002.8	1099.8	1171.4	1235.4	1288.4	1339.3	1389.8	1438.7	1484.2
120°	748.8	829.3	920.2	1011.9	1094.0	1160.8	1217.1	1269.9	1319.7	1366.7	1409.7
122.5°	682.1	753.8	830.4	916.4	1009.4	1075.0	1134.4	1184.4	1230.3	1273.0	1311.0
125°	614.8	676.3	740.7	812.0	885.7	964.9	1034.7	1083.1	1124.4	1161.6	1193.5
127.5°	552.0	600.8	655.4	710.4	770.9	832.3	887.4	942.6	989.9	1028.9	1059.1
130°	492.4	531.1	575.3	618.4	666.9	714.6	760.6	805.5	843.6	874.8	898.8
132.5°	436.9	469.4	502.0	536.6	576.1	613.1	650.2	686.0	717.5	744.2	765.8
135°	384.5	411.2	437.0	467.3	497.1	528.0	554.7	582.0	605.7	625.7	641.5
137.5°	341.3	358.2	379.1	404.6	428.5	451.1	473.9	494.2	511.9	526.8	538.6
140°	302.6	316.1	332.8	350.1	366.5	384.1	402.0	418.0	431.8	443.2	452.1
142.5°	270.5	280.5	292.6	304.4	315.8	328.6	340.8	351.7	361.1	369.0	375.0
145°	242.0	249.8	257.6	264.9	272.3	281.1	289.2	296.2	302.3	307.1	310.5
147.5°	215.1	220.8	226.3	231.4	236.7	241.7	246.1	249.8	252.6	254.5	255.5
150°	193.1	195.8	198.0	199.9	203.5	206.7	209.4	211.4	212.7	213.3	213.0
152.5°	172.7	174.8	176.2	177.4	178.4	179.0	179.1	178.7	177.9	176.5	174.6
155°	154.4	156.4	157.7	158.8	159.3	159.2	158.6	157.5	156.0	154.1	151.8
157.5°	139.4	140.6	141.9	143.0	143.6	143.9	143.7	143.1	142.1	140.9	139.8
160°	128.0	130.1	131.1	131.8	132.2	132.3	132.1	131.7	131.1	130.2	129.4
162.5°	113.0	115.2	117.1	118.8	120.3	121.6	122.6	123.5	124.0	124.4	125.0
165°	95.5	97.5	99.4	101.1	102.7	104.0	105.3	106.3	107.1	107.6	108.5
167.5°	78.0	79.4	80.6	81.7	82.6	83.3	83.9	84.3	84.6	84.6	84.9
170°	61.4	62.3	63.0	63.6	64.1	64.5	64.7	64.9	64.9	65.3	64.7
172.5°	45.1	45.7	46.2	46.7	47.0	47.2	47.4	47.4	47.4	47.7	47.2
175°	28.7	29.0	29.3	29.6	29.8	29.9	29.9	29.9	30.4	30.0	29.6
177.5°	12.9	13.0	13.1	13.1	13.2	13.2	13.6	13.4	13.2	13.0	12.9
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):**

	357.5°	360°
0°	0.0	0.0
2.5°	12.7	12.5
5°	29.3	28.9
7.5°	46.7	46.2
10°	64.1	63.5
12.5°	84.3	83.7
15°	108.1	107.8
17.5°	124.5	124.1
20°	128.2	127.0
22.5°	137.7	135.7
25°	149.3	146.3
27.5°	172.5	169.3
30°	212.4	209.8
32.5°	255.9	254.0
35°	313.3	312.7
37.5°	380.2	381.0
40°	459.8	461.8
42.5°	549.0	552.3
45°	655.4	660.1
47.5°	784.9	791.9
50°	919.2	925.6
52.5°	1085.0	1092.1
55°	1223.1	1236.4
57.5°	1347.2	1367.3
60°	1451.3	1477.9
62.5°	1525.3	1560.6
65°	1586.2	1620.3
67.5°	1636.7	1668.4
70°	1681.6	1708.8
72.5°	1718.9	1739.6
75°	1763.2	1781.0
77.5°	1799.0	1808.9
80°	1821.7	1828.1
82.5°	1838.4	1839.7
85°	1851.5	1839.7
87.5°	1860.8	1852.2
90°	1860.8	1874.3
92.5°	1860.8	1852.2
95°	1851.5	1839.7
97.5°	1838.4	1839.7
100°	1821.7	1828.1
102.5°	1799.0	1808.9
105°	1763.2	1781.0
107.5°	1718.9	1739.6
110°	1681.6	1708.8





TEST NUMBER: P231940

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

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1636.7	1668.4
115°	1586.2	1620.3
117.5°	1525.3	1560.6
120°	1451.3	1477.9
122.5°	1347.2	1367.3
125°	1223.1	1236.4
127.5°	1085.0	1092.1
130°	919.2	925.6
132.5°	784.9	791.9
135°	655.4	660.1
137.5°	549.0	552.3
140°	459.8	461.8
142.5°	380.2	381.0
145°	313.3	312.7
147.5°	255.9	254.0
150°	212.4	209.8
152.5°	172.5	169.3
155°	149.3	146.3
157.5°	137.7	135.7
160°	128.2	127.0
162.5°	124.5	124.1
165°	108.1	107.8
167.5°	84.3	83.7
170°	64.1	63.5
172.5°	46.7	46.2
175°	29.3	28.9
177.5°	12.7	12.5
180°	0.0	0.0

(END OF REPORT)