

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: P231976

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231976  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-15)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-4-LD4-30-1HI-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
4FT LENGTH, 1-MODULE LED WITH PA187 LENS  
Light Source: (84) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

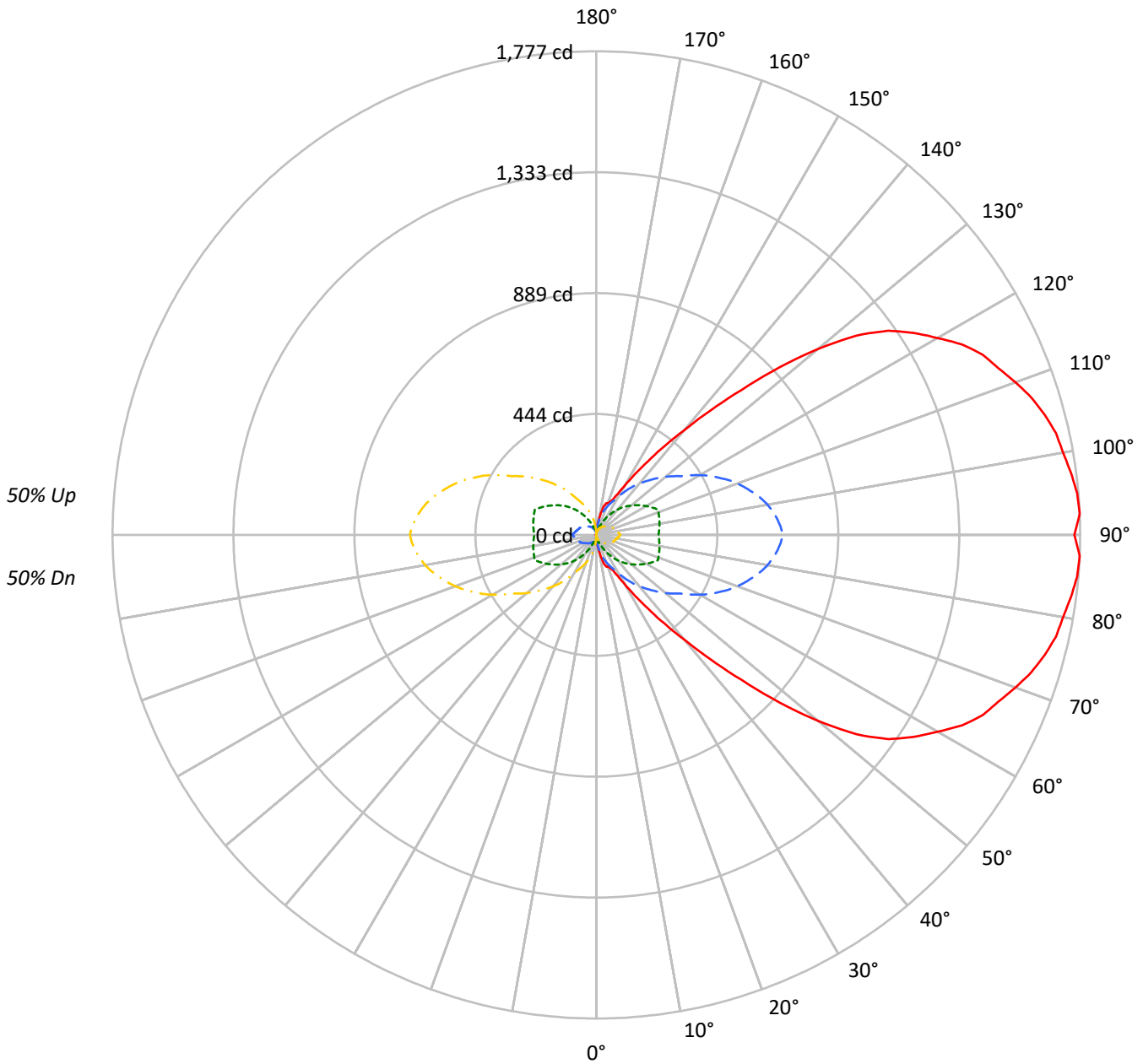
Lumens per Lamp: N/A  
Luminaire Lumens: 4142.0 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Spacing Criteria (0/90/45): 24.1 / 15.36 / 16.26  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot



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



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

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

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

	0°	90°	180°	270°
0°	15	15	15	15
5°	370	134	0	134
10°	766	255	0	255
15°	1198	379	0	379
20°	1235	510	0	510
25°	1339	785	0	785
30°	1868	1220	0	1220
35°	2815	1704	9	1704
40°	4130	2252	8	2252
45°	6041	2892	8	2892
50°	8392	3603	8	3603
55°	10217	4482	8	4482
60°	11272	5607	8	5607
65°	12266	7106	8	7106
70°	12998	8753	8	8753
75°	13811	10688	8	10688
80°	14517	13975	0	13975
85°	15353	20717	0	20717



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.8	0.0
10°-20°	13.2	0.3
20°-30°	35.1	0.8
30°-40°	81.5	2.0
40°-50°	163.2	3.9
50°-60°	291.1	7.0
60°-70°	420.4	10.2
70°-80°	509.5	12.3
80°-90°	555.0	13.4
90°-100°	555.0	13.4
100°-110°	509.5	12.3
110°-120°	420.4	10.2
120°-130°	291.1	7.0
130°-140°	163.2	3.9
140°-150°	81.5	2.0
150°-160°	35.1	0.8
160°-170°	13.2	0.3
170°-180°	1.8	0.0
0°-30°	50.2	1.2
0°-40°	131.7	3.2
0°-60°	586.0	14.1
0°-90°	2071.0	50.0
90°-120°	1485.0	35.9
90°-150°	2020.9	48.8
90°-180°	2071.0	50.0
0°-180°	4142.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	28	9	0	9	28	4
15°	111	25	0	25	111	30
25°	142	49	0	49	142	72
35°	330	98	1	98	330	217
45°	752	146	1	146	752	599
55°	1308	190	1	190	1308	1158
65°	1566	233	1	233	1566	1545
75°	1705	239	1	239	1705	1798
85°	1772	232	0	232	1772	1440
90°	1756	228	0	228	1756	968
95°	1772	232	0	232	1772	1440
105°	1705	239	1	239	1705	1798
115°	1566	233	1	233	1566	1545
125°	1308	190	1	190	1308	1158
135°	752	146	1	146	752	599
145°	330	98	1	98	330	217
155°	142	49	0	49	142	72
165°	111	25	0	25	111	30
175°	28	9	0	9	28	4
180°	1	1	1	1	1	



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	12.5	12.7	12.8	13.0	13.2	13.3	13.5	13.1	13.1	13.1	13.1
5°	27.9	28.2	28.6	28.9	29.2	28.8	28.8	28.7	28.6	28.4	28.2
7.5°	49.1	49.5	49.9	50.2	49.7	49.5	49.2	48.9	48.4	47.8	47.1
10°	64.5	65.0	65.5	66.0	65.5	65.5	65.3	65.0	64.6	64.1	63.5
12.5°	88.5	88.8	89.2	88.5	88.1	87.4	86.6	85.6	84.4	83.1	81.6
15°	110.6	110.7	110.9	109.9	109.2	108.3	107.1	105.8	104.3	102.6	100.7
17.5°	123.1	123.5	123.8	123.4	123.1	122.6	121.9	121.0	119.9	118.5	116.9
20°	123.1	124.4	125.7	126.9	127.9	128.8	129.4	129.8	129.9	129.7	129.1
22.5°	131.8	134.1	136.3	137.7	139.1	140.2	140.9	141.2	141.1	140.5	139.4
25°	142.4	145.7	148.6	151.2	153.4	155.2	156.6	157.4	157.6	157.3	156.3
27.5°	170.3	173.8	176.1	178.0	179.3	180.1	180.2	179.8	178.8	177.3	175.9
30°	209.7	212.8	214.0	214.7	214.7	213.9	212.3	210.1	207.3	204.0	201.6
32.5°	265.5	267.5	266.5	265.0	262.2	258.4	253.7	248.1	241.8	236.0	231.3
35°	330.0	330.5	327.3	323.4	318.0	311.2	303.3	294.4	284.6	275.6	266.6
37.5°	410.8	409.2	402.6	395.0	385.4	374.0	361.1	346.9	332.2	319.6	306.5
40°	501.2	497.6	487.7	476.6	462.9	446.9	428.8	408.9	389.2	370.2	350.7
42.5°	618.5	611.8	596.3	579.1	558.5	534.7	508.2	479.4	453.7	427.8	400.9
45°	752.3	742.4	721.3	698.2	670.5	638.9	603.7	569.9	531.1	494.5	458.6
47.5°	911.0	896.3	867.4	836.0	799.1	757.6	712.0	665.4	619.6	571.9	530.5
50°	1063.9	1048.5	1017.2	982.2	939.6	889.7	832.8	775.3	717.2	661.3	610.7
52.5°	1203.4	1194.6	1168.3	1135.9	1092.4	1037.0	969.3	900.8	828.7	759.6	696.9
55°	1308.3	1307.2	1291.0	1269.0	1236.4	1192.5	1133.7	1050.2	955.4	870.3	788.4
57.5°	1381.4	1383.6	1374.9	1362.5	1343.6	1317.8	1273.4	1187.3	1099.5	988.7	887.2
60°	1446.8	1448.5	1440.5	1430.5	1416.4	1398.4	1356.1	1287.7	1200.1	1097.3	989.8
62.5°	1515.1	1511.1	1502.3	1489.5	1473.6	1455.5	1417.2	1359.9	1279.8	1185.7	1074.9
65°	1566.1	1559.7	1549.5	1536.3	1521.1	1505.9	1478.2	1434.3	1357.2	1258.8	1146.9
67.5°	1598.8	1597.3	1590.9	1578.3	1559.1	1545.6	1531.8	1501.2	1443.9	1342.6	1219.0
70°	1638.2	1633.7	1625.6	1615.3	1603.9	1585.5	1566.6	1548.5	1515.1	1429.0	1296.0
72.5°	1675.8	1669.9	1659.3	1644.8	1630.8	1615.3	1598.0	1578.7	1549.9	1477.2	1359.4
75°	1704.6	1697.9	1687.2	1671.9	1653.8	1636.6	1619.7	1603.4	1580.3	1515.6	1402.0
77.5°	1728.7	1722.0	1710.6	1690.2	1669.4	1650.3	1640.1	1626.5	1604.2	1555.2	1442.1
80°	1740.2	1741.3	1729.7	1702.9	1679.0	1666.6	1653.1	1647.7	1628.1	1592.2	1476.4
82.5°	1757.5	1754.9	1738.9	1717.3	1698.7	1684.4	1666.1	1657.1	1643.1	1605.5	1509.1
85°	1772.0	1755.7	1733.2	1728.9	1716.1	1701.1	1678.2	1661.2	1649.4	1614.0	1531.9
87.5°	1776.8	1747.8	1749.6	1736.1	1714.9	1703.6	1682.6	1665.7	1654.0	1620.2	1542.3
90°	1755.6	1748.9	1749.8	1729.6	1702.7	1700.8	1682.5	1670.0	1655.6	1620.9	1538.2
92.5°	1776.8	1747.8	1749.6	1736.1	1714.9	1703.6	1682.6	1665.7	1654.0	1620.2	1542.3
95°	1772.0	1755.7	1733.2	1728.9	1716.1	1701.1	1678.2	1661.2	1649.4	1614.0	1531.9
97.5°	1757.5	1754.9	1738.9	1717.3	1698.7	1684.4	1666.1	1657.1	1643.1	1605.5	1509.1
100°	1740.2	1741.3	1729.7	1702.9	1679.0	1666.6	1653.1	1647.7	1628.1	1592.2	1476.4
102.5°	1728.7	1722.0	1710.6	1690.2	1669.4	1650.3	1640.1	1626.5	1604.2	1555.2	1442.1
105°	1704.6	1697.9	1687.2	1671.9	1653.8	1636.6	1619.7	1603.4	1580.3	1515.6	1402.0
107.5°	1675.8	1669.9	1659.3	1644.8	1630.8	1615.3	1598.0	1578.7	1549.9	1477.2	1359.4
110°	1638.2	1633.7	1625.6	1615.3	1603.9	1585.5	1566.6	1548.5	1515.1	1429.0	1296.0



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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°	1598.8	1597.3	1590.9	1578.3	1559.1	1545.6	1531.8	1501.2	1443.9	1342.6	1219.0
115°	1566.1	1559.7	1549.5	1536.3	1521.1	1505.9	1478.2	1434.3	1357.2	1258.8	1146.9
117.5°	1515.1	1511.1	1502.3	1489.5	1473.6	1455.5	1417.2	1359.9	1279.8	1185.7	1074.9
120°	1446.8	1448.5	1440.5	1430.5	1416.4	1398.4	1356.1	1287.7	1200.1	1097.3	989.8
122.5°	1381.4	1383.6	1374.9	1362.5	1343.6	1317.8	1273.4	1187.3	1099.5	988.7	887.2
125°	1308.3	1307.2	1291.0	1269.0	1236.4	1192.5	1133.7	1050.2	955.4	870.3	788.4
127.5°	1203.4	1194.6	1168.3	1135.9	1092.4	1037.0	969.3	900.8	828.7	759.6	696.9
130°	1063.9	1048.5	1017.2	982.2	939.6	889.7	832.8	775.3	717.2	661.3	610.7
132.5°	911.0	896.3	867.4	836.0	799.1	757.6	712.0	665.4	619.6	571.9	530.5
135°	752.3	742.4	721.3	698.2	670.5	638.9	603.7	569.9	531.1	494.5	458.6
137.5°	618.5	611.8	596.3	579.1	558.5	534.7	508.2	479.4	453.7	427.8	400.9
140°	501.2	497.6	487.7	476.6	462.9	446.9	428.8	408.9	389.2	370.2	350.7
142.5°	410.8	409.2	402.6	395.0	385.4	374.0	361.1	346.9	332.2	319.6	306.5
145°	330.0	330.5	327.3	323.4	318.0	311.2	303.3	294.4	284.6	275.6	266.6
147.5°	265.5	267.5	266.5	265.0	262.2	258.4	253.7	248.1	241.8	236.0	231.3
150°	209.7	212.8	214.0	214.7	214.7	213.9	212.3	210.1	207.3	204.0	201.6
152.5°	170.3	173.8	176.1	178.0	179.3	180.1	180.2	179.8	178.8	177.3	175.9
155°	142.4	145.7	148.6	151.2	153.4	155.2	156.6	157.4	157.6	157.3	156.3
157.5°	131.8	134.1	136.3	137.7	139.1	140.2	140.9	141.2	141.1	140.5	139.4
160°	123.1	124.4	125.7	126.9	127.9	128.8	129.4	129.8	129.9	129.7	129.1
162.5°	123.1	123.5	123.8	123.4	123.1	122.6	121.9	121.0	119.9	118.5	116.9
165°	110.6	110.7	110.9	109.9	109.2	108.3	107.1	105.8	104.3	102.6	100.7
167.5°	88.5	88.8	89.2	88.5	88.1	87.4	86.6	85.6	84.4	83.1	81.6
170°	64.5	65.0	65.5	66.0	65.5	65.5	65.3	65.0	64.6	64.1	63.5
172.5°	49.1	49.5	49.9	50.2	49.7	49.5	49.2	48.9	48.4	47.8	47.1
175°	27.9	28.2	28.6	28.9	29.2	28.8	28.8	28.7	28.6	28.4	28.2
177.5°	12.5	12.7	12.8	13.0	13.2	13.3	13.5	13.1	13.1	13.1	13.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	13.0	12.9	12.8	12.6	12.5	12.3	12.1	11.9	11.6	11.4	11.1
5°	27.9	27.5	27.1	26.7	26.1	25.6	24.9	24.3	23.5	22.7	21.9
7.5°	46.3	45.4	44.4	43.3	42.2	40.9	39.6	38.2	36.7	35.4	34.1
10°	62.7	61.9	60.9	59.9	58.7	57.4	55.8	53.9	51.9	49.9	47.7
12.5°	80.0	78.2	76.3	74.3	72.4	70.8	69.0	67.2	65.2	63.2	61.0
15°	98.7	96.5	94.2	91.7	89.0	86.3	83.4	80.5	77.4	74.9	72.3
17.5°	115.1	113.1	110.4	107.4	104.3	101.2	97.9	94.5	91.0	87.4	83.8
20°	128.2	126.3	123.8	121.0	117.9	114.6	110.9	107.0	103.1	99.1	95.1
22.5°	138.2	137.1	135.6	133.4	130.7	127.2	123.1	118.8	114.2	109.7	105.3
25°	154.9	152.9	150.2	146.9	143.6	140.1	135.8	130.9	125.7	120.2	114.9
27.5°	174.6	172.4	169.5	165.8	161.5	156.3	151.3	145.0	138.6	131.6	125.1
30°	198.6	195.1	191.7	187.3	182.3	176.4	169.9	162.4	155.1	148.8	142.2
32.5°	226.1	220.6	215.7	210.8	205.3	199.0	191.6	183.8	176.0	167.8	160.5
35°	257.2	248.5	241.8	234.9	228.1	221.3	213.8	205.3	196.4	187.6	178.7
37.5°	293.1	281.4	270.3	260.7	251.7	243.0	234.7	226.1	216.8	206.9	197.1
40°	332.1	316.8	302.4	289.7	277.3	266.0	256.1	246.0	236.3	226.0	215.1
42.5°	377.6	357.2	337.6	321.5	306.5	291.6	277.9	266.7	255.3	244.4	233.0
45°	430.8	402.3	378.1	355.0	335.7	318.0	302.5	287.3	274.8	262.3	250.3
47.5°	491.1	453.4	422.0	392.2	367.6	345.5	326.8	310.1	294.2	280.5	267.1
50°	559.0	513.1	469.0	433.5	401.7	374.5	351.4	332.1	314.9	298.7	283.9
52.5°	634.5	577.6	523.9	476.8	437.5	404.4	376.7	353.9	335.4	317.1	304.5
55°	714.8	645.1	582.9	524.5	475.3	435.2	401.6	376.0	358.3	342.7	330.1
57.5°	798.8	716.1	642.1	576.1	516.2	466.7	434.3	407.8	384.9	367.2	353.4
60°	882.9	788.9	702.4	625.7	563.5	510.9	468.6	439.4	413.7	392.2	375.7
62.5°	964.0	857.3	764.6	684.0	612.7	552.0	504.9	470.0	442.8	416.5	396.9
65°	1030.1	926.3	827.6	738.6	661.2	594.2	538.7	496.9	470.7	442.5	419.8
67.5°	1100.1	991.3	887.0	790.2	704.6	630.8	570.9	525.8	495.4	468.7	441.8
70°	1167.7	1048.4	941.9	834.7	744.8	667.3	602.1	551.5	517.0	493.9	463.0
72.5°	1223.9	1098.3	982.8	875.4	778.8	697.5	628.2	574.8	536.5	516.1	484.0
75°	1268.0	1139.2	1017.7	907.5	804.6	722.6	652.8	597.3	558.2	532.3	500.5
77.5°	1295.1	1168.0	1045.0	935.6	833.5	747.9	677.0	619.8	578.1	548.7	516.9
80°	1326.0	1195.8	1076.5	962.4	857.9	767.7	696.4	638.6	595.9	564.8	532.7
82.5°	1356.8	1219.4	1099.8	981.8	875.8	782.3	711.3	654.1	611.8	580.7	547.8
85°	1371.8	1233.7	1114.7	994.1	887.4	791.9	722.2	666.7	626.1	595.9	561.9
87.5°	1372.4	1242.9	1125.2	1002.6	895.7	798.9	730.8	677.6	639.4	610.8	575.6
90°	1360.2	1234.2	1118.8	997.6	892.7	798.4	734.0	684.9	650.3	623.4	585.8
92.5°	1372.4	1242.9	1125.2	1002.6	895.7	798.9	730.8	677.6	639.4	610.8	575.6
95°	1371.8	1233.7	1114.7	994.1	887.4	791.9	722.2	666.7	626.1	595.9	561.9
97.5°	1356.8	1219.4	1099.8	981.8	875.8	782.3	711.3	654.1	611.8	580.7	547.8
100°	1326.0	1195.8	1076.5	962.4	857.9	767.7	696.4	638.6	595.9	564.8	532.7
102.5°	1295.1	1168.0	1045.0	935.6	833.5	747.9	677.0	619.8	578.1	548.7	516.9
105°	1268.0	1139.2	1017.7	907.5	804.6	722.6	652.8	597.3	558.2	532.3	500.5
107.5°	1223.9	1098.3	982.8	875.4	778.8	697.5	628.2	574.8	536.5	516.1	484.0
110°	1167.7	1048.4	941.9	834.7	744.8	667.3	602.1	551.5	517.0	493.9	463.0





TEST NUMBER: P231976

CATALOG NUMBER: FVS4WM-4-LD4-30-1HI-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°	1100.1	991.3	887.0	790.2	704.6	630.8	570.9	525.8	495.4	468.7	441.8
115°	1030.1	926.3	827.6	738.6	661.2	594.2	538.7	496.9	470.7	442.5	419.8
117.5°	964.0	857.3	764.6	684.0	612.7	552.0	504.9	470.0	442.8	416.5	396.9
120°	882.9	788.9	702.4	625.7	563.5	510.9	468.6	439.4	413.7	392.2	375.7
122.5°	798.8	716.1	642.1	576.1	516.2	466.7	434.3	407.8	384.9	367.2	353.4
125°	714.8	645.1	582.9	524.5	475.3	435.2	401.6	376.0	358.3	342.7	330.1
127.5°	634.5	577.6	523.9	476.8	437.5	404.4	376.7	353.9	335.4	317.1	304.5
130°	559.0	513.1	469.0	433.5	401.7	374.5	351.4	332.1	314.9	298.7	283.9
132.5°	491.1	453.4	422.0	392.2	367.6	345.5	326.8	310.1	294.2	280.5	267.1
135°	430.8	402.3	378.1	355.0	335.7	318.0	302.5	287.3	274.8	262.3	250.3
137.5°	377.6	357.2	337.6	321.5	306.5	291.6	277.9	266.7	255.3	244.4	233.0
140°	332.1	316.8	302.4	289.7	277.3	266.0	256.1	246.0	236.3	226.0	215.1
142.5°	293.1	281.4	270.3	260.7	251.7	243.0	234.7	226.1	216.8	206.9	197.1
145°	257.2	248.5	241.8	234.9	228.1	221.3	213.8	205.3	196.4	187.6	178.7
147.5°	226.1	220.6	215.7	210.8	205.3	199.0	191.6	183.8	176.0	167.8	160.5
150°	198.6	195.1	191.7	187.3	182.3	176.4	169.9	162.4	155.1	148.8	142.2
152.5°	174.6	172.4	169.5	165.8	161.5	156.3	151.3	145.0	138.6	131.6	125.1
155°	154.9	152.9	150.2	146.9	143.6	140.1	135.8	130.9	125.7	120.2	114.9
157.5°	138.2	137.1	135.6	133.4	130.7	127.2	123.1	118.8	114.2	109.7	105.3
160°	128.2	126.3	123.8	121.0	117.9	114.6	110.9	107.0	103.1	99.1	95.1
162.5°	115.1	113.1	110.4	107.4	104.3	101.2	97.9	94.5	91.0	87.4	83.8
165°	98.7	96.5	94.2	91.7	89.0	86.3	83.4	80.5	77.4	74.9	72.3
167.5°	80.0	78.2	76.3	74.3	72.4	70.8	69.0	67.2	65.2	63.2	61.0
170°	62.7	61.9	60.9	59.9	58.7	57.4	55.8	53.9	51.9	49.9	47.7
172.5°	46.3	45.4	44.4	43.3	42.2	40.9	39.6	38.2	36.7	35.4	34.1
175°	27.9	27.5	27.1	26.7	26.1	25.6	24.9	24.3	23.5	22.7	21.9
177.5°	13.0	12.9	12.8	12.6	12.5	12.3	12.1	11.9	11.6	11.4	11.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	10.8	10.5	10.1	9.8	9.4	9.0	8.6	8.2	7.8	7.3	6.9
5°	21.0	20.1	19.2	18.4	17.7	16.9	16.2	15.3	14.5	13.6	12.7
7.5°	32.8	31.5	30.0	28.5	27.0	25.4	23.7	22.4	21.1	19.8	18.5
10°	45.5	43.2	40.9	38.8	36.7	34.6	32.4	30.1	27.8	26.0	24.2
12.5°	58.3	55.5	52.6	49.7	46.6	43.8	41.0	38.2	35.3	32.4	29.9
15°	69.5	66.7	64.1	60.3	56.8	53.2	49.6	46.2	42.8	39.3	35.7
17.5°	80.6	76.9	73.5	69.9	66.2	62.2	58.2	54.1	50.1	46.1	41.9
20°	91.1	87.1	83.0	79.0	74.9	70.6	66.2	61.8	57.4	52.8	48.1
22.5°	100.8	96.5	92.2	87.9	83.3	78.6	73.7	69.0	64.3	59.4	54.2
25°	109.6	104.8	100.2	95.7	92.6	88.9	84.7	80.4	76.3	71.9	66.9
27.5°	120.1	116.3	113.1	109.9	106.7	103.4	99.2	94.8	90.2	85.5	80.4
30°	136.7	131.5	127.1	123.8	120.3	116.9	113.3	108.7	104.3	99.0	93.9
32.5°	153.2	147.0	141.5	137.0	133.6	130.0	126.4	122.2	117.4	112.3	106.8
35°	170.4	162.5	156.0	150.3	146.2	142.7	139.1	135.6	130.5	125.5	119.8
37.5°	187.4	178.6	170.1	163.9	158.6	154.9	151.4	147.7	143.3	138.4	132.6
40°	204.6	194.2	185.2	176.7	171.0	166.5	163.2	159.6	155.7	151.0	145.3
42.5°	221.2	210.2	199.6	190.3	183.2	177.6	174.6	171.3	167.7	163.2	157.8
45°	237.9	225.5	214.2	204.0	194.6	189.3	185.5	182.7	179.2	175.2	170.3
47.5°	254.0	240.9	228.5	217.6	207.2	202.1	201.0	201.1	201.0	199.4	195.1
50°	269.8	256.8	248.0	241.4	235.7	231.3	229.1	228.6	229.0	228.8	223.2
52.5°	294.2	285.6	277.8	271.2	265.7	260.9	258.0	256.2	256.3	258.7	251.3
55°	320.0	312.4	305.8	299.7	295.1	290.8	286.9	283.9	282.8	287.6	279.7
57.5°	343.5	337.0	332.4	327.3	323.5	320.0	316.0	311.8	309.3	315.4	308.5
60°	364.6	359.7	356.5	353.5	350.9	348.5	345.2	340.0	336.7	342.8	337.5
62.5°	385.3	380.6	379.3	378.5	377.4	376.6	374.2	368.6	364.3	369.7	366.8
65°	405.2	399.6	400.4	402.2	403.0	403.8	402.6	397.2	391.9	396.3	396.3
67.5°	423.6	416.8	420.2	424.6	427.7	430.2	430.5	425.9	419.5	422.6	425.9
70°	441.5	434.2	438.7	444.7	447.7	449.1	448.4	443.5	436.8	435.8	433.8
72.5°	458.1	446.0	446.1	450.7	454.4	456.4	456.5	453.8	449.6	447.1	439.3
75°	470.6	455.0	452.5	456.7	461.0	463.6	464.3	463.4	462.0	459.6	445.3
77.5°	482.3	463.7	459.2	462.7	467.5	470.8	472.0	472.5	474.1	473.1	451.5
80°	493.2	472.3	466.2	468.9	474.0	478.0	479.5	481.0	485.9	487.2	458.0
82.5°	503.3	480.6	473.3	475.1	480.5	485.3	486.9	489.3	497.5	501.8	466.6
85°	512.7	488.7	480.6	481.5	487.0	492.4	494.1	497.1	508.8	517.4	471.7
87.5°	521.7	496.6	488.0	487.9	493.5	499.7	501.5	505.4	520.4	531.4	476.8
90°	529.1	504.1	495.4	494.5	500.2	507.0	508.9	513.7	532.0	545.4	481.9
92.5°	521.7	496.6	488.0	487.9	493.5	499.7	501.5	505.4	520.4	531.4	476.8
95°	512.7	488.7	480.6	481.5	487.0	492.4	494.1	497.1	508.8	517.4	471.7
97.5°	503.3	480.6	473.3	475.1	480.5	485.3	486.9	489.3	497.5	501.8	466.6
100°	493.2	472.3	466.2	468.9	474.0	478.0	479.5	481.0	485.9	487.2	458.0
102.5°	482.3	463.7	459.2	462.7	467.5	470.8	472.0	472.5	474.1	473.1	451.5
105°	470.6	455.0	452.5	456.7	461.0	463.6	464.3	463.4	462.0	459.6	445.3
107.5°	458.1	446.0	446.1	450.7	454.4	456.4	456.5	453.8	449.6	447.1	439.3
110°	441.5	434.2	438.7	444.7	447.7	449.1	448.4	443.5	436.8	435.8	433.8



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	423.6	416.8	420.2	424.6	427.7	430.2	430.5	425.9	419.5	422.6	425.9
115°	405.2	399.6	400.4	402.2	403.0	403.8	402.6	397.2	391.9	396.3	396.3
117.5°	385.3	380.6	379.3	378.5	377.4	376.6	374.2	368.6	364.3	369.7	366.8
120°	364.6	359.7	356.5	353.5	350.9	348.5	345.2	340.0	336.7	342.8	337.5
122.5°	343.5	337.0	332.4	327.3	323.5	320.0	316.0	311.8	309.3	315.4	308.5
125°	320.0	312.4	305.8	299.7	295.1	290.8	286.9	283.9	282.8	287.6	279.7
127.5°	294.2	285.6	277.8	271.2	265.7	260.9	258.0	256.2	256.3	258.7	251.3
130°	269.8	256.8	248.0	241.4	235.7	231.3	229.1	228.6	229.0	228.8	223.2
132.5°	254.0	240.9	228.5	217.6	207.2	202.1	201.0	201.1	201.0	199.4	195.1
135°	237.9	225.5	214.2	204.0	194.6	189.3	185.5	182.7	179.2	175.2	170.3
137.5°	221.2	210.2	199.6	190.3	183.2	177.6	174.6	171.3	167.7	163.2	157.8
140°	204.6	194.2	185.2	176.7	171.0	166.5	163.2	159.6	155.7	151.0	145.3
142.5°	187.4	178.6	170.1	163.9	158.6	154.9	151.4	147.7	143.3	138.4	132.6
145°	170.4	162.5	156.0	150.3	146.2	142.7	139.1	135.6	130.5	125.5	119.8
147.5°	153.2	147.0	141.5	137.0	133.6	130.0	126.4	122.2	117.4	112.3	106.8
150°	136.7	131.5	127.1	123.8	120.3	116.9	113.3	108.7	104.3	99.0	93.9
152.5°	120.1	116.3	113.1	109.9	106.7	103.4	99.2	94.8	90.2	85.5	80.4
155°	109.6	104.8	100.2	95.7	92.6	88.9	84.7	80.4	76.3	71.9	66.9
157.5°	100.8	96.5	92.2	87.9	83.3	78.6	73.7	69.0	64.3	59.4	54.2
160°	91.1	87.1	83.0	79.0	74.9	70.6	66.2	61.8	57.4	52.8	48.1
162.5°	80.6	76.9	73.5	69.9	66.2	62.2	58.2	54.1	50.1	46.1	41.9
165°	69.5	66.7	64.1	60.3	56.8	53.2	49.6	46.2	42.8	39.3	35.7
167.5°	58.3	55.5	52.6	49.7	46.6	43.8	41.0	38.2	35.3	32.4	29.9
170°	45.5	43.2	40.9	38.8	36.7	34.6	32.4	30.1	27.8	26.0	24.2
172.5°	32.8	31.5	30.0	28.5	27.0	25.4	23.7	22.4	21.1	19.8	18.5
175°	21.0	20.1	19.2	18.4	17.7	16.9	16.2	15.3	14.5	13.6	12.7
177.5°	10.8	10.5	10.1	9.8	9.4	9.0	8.6	8.2	7.8	7.3	6.9
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	6.4	5.9	5.4	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4
5°	11.8	10.8	9.9	8.9	8.8	8.7	8.5	8.4	8.2	8.0	7.8
7.5°	17.1	15.7	14.3	12.9	12.7	12.5	12.2	12.0	11.7	11.4	11.1
10°	22.4	20.6	18.7	16.8	16.6	16.3	15.9	15.6	15.2	14.9	14.8
12.5°	27.7	25.4	23.1	20.8	20.4	20.0	19.6	19.2	18.8	18.7	18.6
15°	32.9	30.2	27.5	24.7	24.3	23.8	23.3	22.7	22.7	22.7	22.5
17.5°	38.1	35.0	31.9	28.7	28.1	27.5	26.9	26.7	26.7	26.6	26.5
20°	43.4	39.8	36.2	32.6	32.0	31.2	30.5	30.6	30.7	30.6	30.3
22.5°	48.9	44.5	40.6	36.6	35.8	35.0	34.5	34.6	34.7	34.5	34.1
25°	61.6	56.8	52.9	48.8	48.2	47.4	47.1	46.9	46.3	44.8	43.2
27.5°	74.8	69.3	65.2	61.0	60.7	60.2	60.4	60.5	59.3	57.3	54.9
30°	87.8	81.6	77.5	73.1	73.3	73.2	73.9	74.3	72.0	69.5	65.7
32.5°	100.7	94.2	89.7	85.3	86.0	86.5	87.5	87.3	84.4	80.6	75.7
35°	113.5	106.8	101.9	97.5	98.7	99.8	101.2	100.1	96.5	91.0	84.8
37.5°	126.2	119.3	114.0	109.7	111.5	113.2	115.0	112.6	108.6	100.7	92.7
40°	138.8	131.7	126.1	121.8	124.3	126.7	129.0	125.0	118.8	109.7	99.6
42.5°	151.3	144.0	138.2	134.0	137.2	140.2	142.9	137.2	128.8	118.5	105.8
45°	163.6	156.2	150.2	146.2	150.2	153.8	155.6	149.2	138.3	125.4	111.3
47.5°	186.0	175.0	164.8	157.1	157.6	158.9	158.3	151.7	140.1	127.1	113.6
50°	210.2	194.7	179.7	168.0	164.7	163.1	159.7	151.5	139.2	125.9	113.1
52.5°	235.2	215.0	194.8	178.9	171.5	167.0	160.9	151.1	138.5	125.1	113.3
55°	261.0	235.8	210.2	189.8	178.0	170.6	162.0	150.8	137.9	124.7	114.0
57.5°	287.4	257.1	225.7	200.7	184.3	173.9	163.0	150.6	137.7	124.9	115.4
60°	314.4	278.8	241.5	211.6	190.5	176.8	163.8	150.6	137.7	126.0	117.6
62.5°	341.8	300.8	257.4	222.5	196.4	179.6	164.6	150.8	138.1	127.5	121.1
65°	369.7	323.2	273.4	233.4	202.2	182.1	165.3	151.0	138.8	129.4	125.3
67.5°	397.9	345.7	289.5	244.3	207.9	184.5	165.9	151.4	139.7	131.7	129.9
70°	400.5	345.8	288.7	242.5	206.4	183.0	164.3	150.1	138.8	131.7	131.5
72.5°	401.0	344.8	287.7	240.7	204.9	181.4	162.6	148.6	137.6	130.8	130.9
75°	401.2	343.6	288.3	238.9	203.6	180.0	161.1	147.2	136.6	130.0	130.1
77.5°	401.2	342.1	286.6	237.1	202.3	178.6	159.6	146.0	135.6	129.1	129.1
80°	400.8	342.1	284.9	235.2	201.2	177.4	158.2	144.8	134.8	128.4	128.0
82.5°	401.8	339.3	283.1	233.4	200.1	176.2	157.0	143.8	134.2	127.7	126.8
85°	400.0	336.5	281.4	231.6	199.0	175.1	155.8	142.9	133.6	127.1	125.6
87.5°	398.1	333.7	279.7	229.8	198.1	174.1	154.8	142.1	133.2	126.5	124.3
90°	396.3	330.9	278.0	228.0	197.2	173.2	153.9	141.4	132.8	126.0	123.1
92.5°	398.1	333.7	279.7	229.8	198.1	174.1	154.8	142.1	133.2	126.5	124.3
95°	400.0	336.5	281.4	231.6	199.0	175.1	155.8	142.9	133.6	127.1	125.6
97.5°	401.8	339.3	283.1	233.4	200.1	176.2	157.0	143.8	134.2	127.7	126.8
100°	400.8	342.1	284.9	235.2	201.2	177.4	158.2	144.8	134.8	128.4	128.0
102.5°	401.2	342.1	286.6	237.1	202.3	178.6	159.6	146.0	135.6	129.1	129.1
105°	401.2	343.6	288.3	238.9	203.6	180.0	161.1	147.2	136.6	130.0	130.1
107.5°	401.0	344.8	287.7	240.7	204.9	181.4	162.6	148.6	137.6	130.8	130.9
110°	400.5	345.8	288.7	242.5	206.4	183.0	164.3	150.1	138.8	131.7	131.5



TEST NUMBER: P231976

CATALOG NUMBER: FVS4WM-4-LD4-30-1HI-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°	397.9	345.7	289.5	244.3	207.9	184.5	165.9	151.4	139.7	131.7	129.9
115°	369.7	323.2	273.4	233.4	202.2	182.1	165.3	151.0	138.8	129.4	125.3
117.5°	341.8	300.8	257.4	222.5	196.4	179.6	164.6	150.8	138.1	127.5	121.1
120°	314.4	278.8	241.5	211.6	190.5	176.8	163.8	150.6	137.7	126.0	117.6
122.5°	287.4	257.1	225.7	200.7	184.3	173.9	163.0	150.6	137.7	124.9	115.4
125°	261.0	235.8	210.2	189.8	178.0	170.6	162.0	150.8	137.9	124.7	114.0
127.5°	235.2	215.0	194.8	178.9	171.5	167.0	160.9	151.1	138.5	125.1	113.3
130°	210.2	194.7	179.7	168.0	164.7	163.1	159.7	151.5	139.2	125.9	113.1
132.5°	186.0	175.0	164.8	157.1	157.6	158.9	158.3	151.7	140.1	127.1	113.6
135°	163.6	156.2	150.2	146.2	150.2	153.8	155.6	149.2	138.3	125.4	111.3
137.5°	151.3	144.0	138.2	134.0	137.2	140.2	142.9	137.2	128.8	118.5	105.8
140°	138.8	131.7	126.1	121.8	124.3	126.7	129.0	125.0	118.8	109.7	99.6
142.5°	126.2	119.3	114.0	109.7	111.5	113.2	115.0	112.6	108.6	100.7	92.7
145°	113.5	106.8	101.9	97.5	98.7	99.8	101.2	100.1	96.5	91.0	84.8
147.5°	100.7	94.2	89.7	85.3	86.0	86.5	87.5	87.3	84.4	80.6	75.7
150°	87.8	81.6	77.5	73.1	73.3	73.2	73.9	74.3	72.0	69.5	65.7
152.5°	74.8	69.3	65.2	61.0	60.7	60.2	60.4	60.5	59.3	57.3	54.9
155°	61.6	56.8	52.9	48.8	48.2	47.4	47.1	46.9	46.3	44.8	43.2
157.5°	48.9	44.5	40.6	36.6	35.8	35.0	34.5	34.6	34.7	34.5	34.1
160°	43.4	39.8	36.2	32.6	32.0	31.2	30.5	30.6	30.7	30.6	30.3
162.5°	38.1	35.0	31.9	28.7	28.1	27.5	26.9	26.7	26.7	26.6	26.5
165°	32.9	30.2	27.5	24.7	24.3	23.8	23.3	22.7	22.7	22.7	22.5
167.5°	27.7	25.4	23.1	20.8	20.4	20.0	19.6	19.2	18.8	18.7	18.6
170°	22.4	20.6	18.7	16.8	16.6	16.3	15.9	15.6	15.2	14.9	14.8
172.5°	17.1	15.7	14.3	12.9	12.7	12.5	12.2	12.0	11.7	11.4	11.1
175°	11.8	10.8	9.9	8.9	8.8	8.7	8.5	8.4	8.2	8.0	7.8
177.5°	6.4	5.9	5.4	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.0
5°	7.6	7.4	7.2	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5
7.5°	10.8	10.7	10.5	10.4	10.1	9.9	9.7	9.4	9.1	8.8	8.4
10°	14.6	14.4	14.2	14.0	13.7	13.4	13.0	12.6	12.2	11.7	11.2
12.5°	18.5	18.3	18.0	17.6	17.2	16.8	16.3	15.8	15.3	14.7	14.1
15°	22.4	22.0	21.6	21.2	20.7	20.1	19.6	19.0	18.4	17.7	16.9
17.5°	26.1	25.7	25.2	24.7	24.2	23.6	22.9	22.1	21.2	20.3	19.4
20°	29.9	29.4	28.9	28.3	27.7	26.8	25.9	24.9	23.9	22.9	21.8
22.5°	33.7	33.1	32.6	31.9	30.9	29.8	28.8	27.7	26.6	25.4	24.5
25°	41.2	39.3	37.2	35.1	33.9	32.8	31.6	30.4	29.4	28.4	27.3
27.5°	52.1	49.2	46.0	42.9	40.2	37.6	35.4	33.6	32.6	31.2	29.7
30°	61.9	57.6	53.4	49.6	46.1	43.2	40.7	38.4	36.0	33.9	32.0
32.5°	70.4	64.8	59.7	55.1	51.2	47.9	44.8	41.8	39.2	36.8	34.6
35°	77.7	70.9	65.0	59.7	55.5	51.5	47.8	44.6	41.8	39.2	36.5
37.5°	84.1	76.4	69.3	63.8	58.8	54.2	50.2	47.0	43.9	40.9	38.2
40°	89.6	80.9	73.4	67.1	61.5	56.4	52.6	49.0	45.5	42.6	40.1
42.5°	94.7	84.6	76.9	69.8	63.5	58.8	54.6	50.7	47.3	44.5	41.9
45°	99.1	88.5	79.6	72.0	65.7	60.8	56.3	52.4	49.2	46.4	43.7
47.5°	101.7	91.6	82.1	73.6	67.9	62.6	57.8	54.3	51.2	48.3	45.6
50°	101.9	93.4	85.5	78.1	71.5	64.7	59.9	56.2	53.1	50.3	47.6
52.5°	103.8	96.5	90.3	84.8	78.9	72.4	66.1	60.3	55.2	52.5	49.2
55°	106.6	101.2	96.6	92.4	86.9	80.4	73.6	67.2	61.7	56.3	51.3
57.5°	110.2	107.0	104.2	100.8	95.5	88.1	80.8	73.8	67.4	60.9	55.8
60°	114.6	113.8	112.6	109.5	103.8	95.7	87.5	79.7	72.1	65.2	59.4
62.5°	120.0	121.6	121.6	118.7	111.8	102.8	93.7	84.9	76.2	69.0	62.2
65°	126.6	130.0	131.3	128.3	119.7	109.7	99.5	89.5	80.2	72.2	64.4
67.5°	133.7	138.8	140.7	137.6	127.6	116.4	104.9	93.7	83.9	74.9	66.4
70°	137.2	144.1	147.8	145.4	135.1	122.8	110.0	97.6	87.2	77.2	68.1
72.5°	136.2	142.9	146.8	144.3	136.1	125.5	113.3	101.2	90.3	79.4	69.6
75°	135.0	141.8	146.1	144.0	137.2	127.1	115.2	103.6	92.5	81.6	71.6
77.5°	133.5	140.6	145.6	144.5	139.1	129.3	117.7	106.4	95.1	83.9	73.9
80°	131.7	139.4	145.3	145.4	141.5	131.9	120.6	109.6	98.0	86.6	76.2
82.5°	129.7	138.2	145.1	146.8	144.5	135.0	124.0	113.1	101.2	89.6	78.8
85°	127.6	136.8	144.9	148.5	147.8	138.4	127.9	117.0	104.9	93.0	81.6
87.5°	125.4	135.3	144.7	150.2	151.3	142.2	132.1	121.3	109.0	96.8	84.8
90°	123.1	133.7	144.3	152.0	154.9	146.2	136.6	126.0	113.5	101.0	88.5
92.5°	125.4	135.3	144.7	150.2	151.3	142.2	132.1	121.3	109.0	96.8	84.8
95°	127.6	136.8	144.9	148.5	147.8	138.4	127.9	117.0	104.9	93.0	81.6
97.5°	129.7	138.2	145.1	146.8	144.5	135.0	124.0	113.1	101.2	89.6	78.8
100°	131.7	139.4	145.3	145.4	141.5	131.9	120.6	109.6	98.0	86.6	76.2
102.5°	133.5	140.6	145.6	144.5	139.1	129.3	117.7	106.4	95.1	83.9	73.9
105°	135.0	141.8	146.1	144.0	137.2	127.1	115.2	103.6	92.5	81.6	71.6
107.5°	136.2	142.9	146.8	144.3	136.1	125.5	113.3	101.2	90.3	79.4	69.6
110°	137.2	144.1	147.8	145.4	135.1	122.8	110.0	97.6	87.2	77.2	68.1



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	133.7	138.8	140.7	137.6	127.6	116.4	104.9	93.7	83.9	74.9	66.4
115°	126.6	130.0	131.3	128.3	119.7	109.7	99.5	89.5	80.2	72.2	64.4
117.5°	120.0	121.6	121.6	118.7	111.8	102.8	93.7	84.9	76.2	69.0	62.2
120°	114.6	113.8	112.6	109.5	103.8	95.7	87.5	79.7	72.1	65.2	59.4
122.5°	110.2	107.0	104.2	100.8	95.5	88.1	80.8	73.8	67.4	60.9	55.8
125°	106.6	101.2	96.6	92.4	86.9	80.4	73.6	67.2	61.7	56.3	51.3
127.5°	103.8	96.5	90.3	84.8	78.9	72.4	66.1	60.3	55.2	52.5	49.2
130°	101.9	93.4	85.5	78.1	71.5	64.7	59.9	56.2	53.1	50.3	47.6
132.5°	101.7	91.6	82.1	73.6	67.9	62.6	57.8	54.3	51.2	48.3	45.6
135°	99.1	88.5	79.6	72.0	65.7	60.8	56.3	52.4	49.2	46.4	43.7
137.5°	94.7	84.6	76.9	69.8	63.5	58.8	54.6	50.7	47.3	44.5	41.9
140°	89.6	80.9	73.4	67.1	61.5	56.4	52.6	49.0	45.5	42.6	40.1
142.5°	84.1	76.4	69.3	63.8	58.8	54.2	50.2	47.0	43.9	40.9	38.2
145°	77.7	70.9	65.0	59.7	55.5	51.5	47.8	44.6	41.8	39.2	36.5
147.5°	70.4	64.8	59.7	55.1	51.2	47.9	44.8	41.8	39.2	36.8	34.6
150°	61.9	57.6	53.4	49.6	46.1	43.2	40.7	38.4	36.0	33.9	32.0
152.5°	52.1	49.2	46.0	42.9	40.2	37.6	35.4	33.6	32.6	31.2	29.7
155°	41.2	39.3	37.2	35.1	33.9	32.8	31.6	30.4	29.4	28.4	27.3
157.5°	33.7	33.1	32.6	31.9	30.9	29.8	28.8	27.7	26.6	25.4	24.5
160°	29.9	29.4	28.9	28.3	27.7	26.8	25.9	24.9	23.9	22.9	21.8
162.5°	26.1	25.7	25.2	24.7	24.2	23.6	22.9	22.1	21.2	20.3	19.4
165°	22.4	22.0	21.6	21.2	20.7	20.1	19.6	19.0	18.4	17.7	16.9
167.5°	18.5	18.3	18.0	17.6	17.2	16.8	16.3	15.8	15.3	14.7	14.1
170°	14.6	14.4	14.2	14.0	13.7	13.4	13.0	12.6	12.2	11.7	11.2
172.5°	10.8	10.7	10.5	10.4	10.1	9.9	9.7	9.4	9.1	8.8	8.4
175°	7.6	7.4	7.2	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5
177.5°	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.6	1.4	1.2
5°	5.3	5.0	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4
7.5°	8.0	7.7	7.3	6.8	6.4	6.0	5.5	5.0	4.6	4.1	3.6
10°	10.7	10.2	9.7	9.1	8.6	8.0	7.4	6.7	6.1	5.5	4.8
12.5°	13.5	12.8	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	9.8	8.9	7.9	7.0
17.5°	18.4	17.5	16.5	15.5	14.4	13.4	12.4	11.4	10.3	9.2	8.1
20°	20.8	19.7	18.7	17.7	16.6	15.4	14.3	13.0	11.7	10.5	9.2
22.5°	23.4	22.3	21.2	19.8	18.5	17.1	15.8	14.4	13.0	11.6	10.1
25°	26.0	24.6	23.1	21.7	20.2	18.7	17.2	15.7	14.1	12.5	10.9
27.5°	28.2	26.7	25.1	23.5	21.8	20.0	18.3	16.5	14.9	13.3	11.6
30°	30.4	28.7	26.7	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°	33.9	31.8	29.8	27.9	26.0	24.0	21.9	19.8	17.9	15.9	14.1
37.5°	35.9	33.7	31.6	29.5	27.1	24.8	22.6	20.6	18.7	16.7	14.6
40°	37.7	35.4	33.1	30.5	28.0	25.8	23.7	21.4	19.1	16.9	14.8
42.5°	39.5	36.9	34.3	31.8	29.4	26.8	24.1	21.7	19.6	17.5	15.4
45°	41.1	38.5	35.8	33.2	30.4	27.7	25.1	22.6	20.4	18.2	16.1
47.5°	42.9	40.0	37.2	34.4	31.6	28.8	26.2	23.7	21.0	18.4	15.9
50°	44.5	41.6	38.7	35.7	32.8	30.0	27.1	24.1	21.1	18.6	16.3
52.5°	46.2	43.3	40.1	36.9	33.9	30.7	27.5	24.6	21.9	19.3	16.8
55°	48.2	44.8	41.4	38.1	34.7	31.3	28.3	25.3	22.5	19.8	17.3
57.5°	50.9	46.3	42.6	39.0	35.5	32.2	29.0	25.9	22.9	20.1	17.3
60°	53.7	48.5	44.0	40.0	36.4	32.9	29.5	26.0	22.8	19.8	17.0
62.5°	55.8	50.2	45.4	41.1	37.1	33.4	29.4	25.9	22.7	19.5	16.8
65°	57.5	51.7	46.5	41.9	37.6	33.3	29.5	25.9	22.2	19.0	16.1
67.5°	59.0	52.9	47.4	42.3	37.5	33.1	29.4	25.2	21.7	18.5	15.1
70°	60.5	54.0	48.1	42.6	37.5	33.0	28.3	24.3	21.2	17.4	14.2
72.5°	61.8	55.1	48.6	42.8	37.6	32.4	27.2	23.6	19.7	16.4	13.5
75°	63.3	56.1	49.1	43.2	37.6	31.5	26.7	22.5	18.4	15.1	12.3
77.5°	65.1	57.1	49.7	43.4	37.3	30.8	26.1	21.5	17.3	13.9	10.8
80°	67.0	58.2	50.2	43.2	36.3	30.1	25.3	20.7	16.3	12.7	9.4
82.5°	69.0	59.3	50.7	43.0	35.5	29.2	24.0	19.4	15.5	11.8	8.1
85°	71.3	60.6	51.4	43.1	35.1	28.4	23.0	18.6	15.0	11.5	7.8
87.5°	73.9	62.3	52.4	43.5	35.1	27.9	22.3	18.2	15.0	11.8	8.4
90°	77.0	64.5	53.9	44.3	35.6	27.9	22.1	18.3	15.4	12.5	9.6
92.5°	73.9	62.3	52.4	43.5	35.1	27.9	22.3	18.2	15.0	11.8	8.4
95°	71.3	60.6	51.4	43.1	35.1	28.4	23.0	18.6	15.0	11.5	7.8
97.5°	69.0	59.3	50.7	43.0	35.5	29.2	24.0	19.4	15.5	11.8	8.1
100°	67.0	58.2	50.2	43.2	36.3	30.1	25.3	20.7	16.3	12.7	9.4
102.5°	65.1	57.1	49.7	43.4	37.3	30.8	26.1	21.5	17.3	13.9	10.8
105°	63.3	56.1	49.1	43.2	37.6	31.5	26.7	22.5	18.4	15.1	12.3
107.5°	61.8	55.1	48.6	42.8	37.6	32.4	27.2	23.6	19.7	16.4	13.5
110°	60.5	54.0	48.1	42.6	37.5	33.0	28.3	24.3	21.2	17.4	14.2





TEST NUMBER: P231976

CATALOG NUMBER: FVS4WM-4-LD4-30-1HI-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°	59.0	52.9	47.4	42.3	37.5	33.1	29.4	25.2	21.7	18.5	15.1
115°	57.5	51.7	46.5	41.9	37.6	33.3	29.5	25.9	22.2	19.0	16.1
117.5°	55.8	50.2	45.4	41.1	37.1	33.4	29.4	25.9	22.7	19.5	16.8
120°	53.7	48.5	44.0	40.0	36.4	32.9	29.5	26.0	22.8	19.8	17.0
122.5°	50.9	46.3	42.6	39.0	35.5	32.2	29.0	25.9	22.9	20.1	17.3
125°	48.2	44.8	41.4	38.1	34.7	31.3	28.3	25.3	22.5	19.8	17.3
127.5°	46.2	43.3	40.1	36.9	33.9	30.7	27.5	24.6	21.9	19.3	16.8
130°	44.5	41.6	38.7	35.7	32.8	30.0	27.1	24.1	21.1	18.6	16.3
132.5°	42.9	40.0	37.2	34.4	31.6	28.8	26.2	23.7	21.0	18.4	15.9
135°	41.1	38.5	35.8	33.2	30.4	27.7	25.1	22.6	20.4	18.2	16.1
137.5°	39.5	36.9	34.3	31.8	29.4	26.8	24.1	21.7	19.6	17.5	15.4
140°	37.7	35.4	33.1	30.5	28.0	25.8	23.7	21.4	19.1	16.9	14.8
142.5°	35.9	33.7	31.6	29.5	27.1	24.8	22.6	20.6	18.7	16.7	14.6
145°	33.9	31.8	29.8	27.9	26.0	24.0	21.9	19.8	17.9	15.9	14.1
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	28.7	26.7	24.8	22.9	21.2	19.5	17.7	16.0	14.2	12.5
152.5°	28.2	26.7	25.1	23.5	21.8	20.0	18.3	16.5	14.9	13.3	11.6
155°	26.0	24.6	23.1	21.7	20.2	18.7	17.2	15.7	14.1	12.5	10.9
157.5°	23.4	22.3	21.2	19.8	18.5	17.1	15.8	14.4	13.0	11.6	10.1
160°	20.8	19.7	18.7	17.7	16.6	15.4	14.3	13.0	11.7	10.5	9.2
162.5°	18.4	17.5	16.5	15.5	14.4	13.4	12.4	11.4	10.3	9.2	8.1
165°	16.1	15.2	14.4	13.5	12.6	11.7	10.8	9.8	8.9	7.9	7.0
167.5°	13.5	12.8	12.2	11.4	10.7	9.9	9.1	8.3	7.5	6.7	5.9
170°	10.7	10.2	9.7	9.1	8.6	8.0	7.4	6.7	6.1	5.5	4.8
172.5°	8.0	7.7	7.3	6.8	6.4	6.0	5.5	5.0	4.6	4.1	3.6
175°	5.3	5.0	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4
177.5°	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.6	1.4	1.2
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
5°	2.0	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
7.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0	0.5	1.0	1.6	2.1
10°	4.1	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°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
17.5°	7.0	5.8	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°	11.5	9.7	8.0	6.2	4.5	2.8	1.0	2.8	4.5	6.2	8.0
35°	12.2	10.3	8.5	6.6	4.7	2.9	1.0	2.9	4.7	6.6	8.5
37.5°	12.6	10.6	8.6	6.7	4.8	2.9	1.0	2.9	4.8	6.7	8.6
40°	12.8	10.9	8.9	6.9	4.9	3.0	1.0	3.0	4.9	6.9	8.9
42.5°	13.4	11.3	9.2	7.2	5.1	3.1	1.0	3.1	5.1	7.2	9.2
45°	13.7	11.5	9.3	7.1	5.1	3.0	1.0	3.0	5.1	7.1	9.3
47.5°	13.7	11.5	9.4	7.3	5.2	3.1	1.0	3.1	5.2	7.3	9.4
50°	14.1	11.9	9.7	7.5	5.3	3.2	1.0	3.2	5.3	7.5	9.7
52.5°	14.5	12.2	10.0	7.7	5.5	3.2	1.0	3.2	5.5	7.7	10.0
55°	14.9	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°	14.6	12.3	9.7	7.3	5.1	3.0	1.0	3.0	5.1	7.3	9.7
62.5°	14.1	11.5	9.1	6.8	4.8	2.8	1.0	2.8	4.8	6.8	9.1
65°	13.2	10.6	8.3	6.2	4.3	2.6	1.0	2.6	4.3	6.2	8.3
67.5°	12.2	9.7	7.6	5.8	4.1	2.5	1.0	2.5	4.1	5.8	7.6
70°	11.4	9.1	7.2	5.6	4.0	2.5	1.0	2.5	4.0	5.6	7.2
72.5°	10.7	8.4	6.7	5.0	3.3	2.0	1.0	2.0	3.3	5.0	6.7
75°	9.8	7.5	5.5	3.9	2.8	1.8	1.0	1.8	2.8	3.9	5.5
77.5°	8.3	6.7	4.8	2.9	1.1	0.2	0.0	0.2	1.1	2.9	4.8
80°	6.8	5.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
82.5°	5.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	5.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	6.8	5.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
102.5°	8.3	6.7	4.8	2.9	1.1	0.2	0.0	0.2	1.1	2.9	4.8
105°	9.8	7.5	5.5	3.9	2.8	1.8	1.0	1.8	2.8	3.9	5.5
107.5°	10.7	8.4	6.7	5.0	3.3	2.0	1.0	2.0	3.3	5.0	6.7
110°	11.4	9.1	7.2	5.6	4.0	2.5	1.0	2.5	4.0	5.6	7.2



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	12.2	9.7	7.6	5.8	4.1	2.5	1.0	2.5	4.1	5.8	7.6
115°	13.2	10.6	8.3	6.2	4.3	2.6	1.0	2.6	4.3	6.2	8.3
117.5°	14.1	11.5	9.1	6.8	4.8	2.8	1.0	2.8	4.8	6.8	9.1
120°	14.6	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°	14.9	12.4	9.9	7.5	5.3	3.1	1.0	3.1	5.3	7.5	9.9
127.5°	14.5	12.2	10.0	7.7	5.5	3.2	1.0	3.2	5.5	7.7	10.0
130°	14.1	11.9	9.7	7.5	5.3	3.2	1.0	3.2	5.3	7.5	9.7
132.5°	13.7	11.5	9.4	7.3	5.2	3.1	1.0	3.1	5.2	7.3	9.4
135°	13.7	11.5	9.3	7.1	5.1	3.0	1.0	3.0	5.1	7.1	9.3
137.5°	13.4	11.3	9.2	7.2	5.1	3.1	1.0	3.1	5.1	7.2	9.2
140°	12.8	10.9	8.9	6.9	4.9	3.0	1.0	3.0	4.9	6.9	8.9
142.5°	12.6	10.6	8.6	6.7	4.8	2.9	1.0	2.9	4.8	6.7	8.6
145°	12.2	10.3	8.5	6.6	4.7	2.9	1.0	2.9	4.7	6.6	8.5
147.5°	11.5	9.7	8.0	6.2	4.5	2.8	1.0	2.8	4.5	6.2	8.0
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	5.8	4.7	3.5	2.4	1.2	0.0	1.2	2.4	3.5	4.7
165°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
167.5°	5.1	4.2	3.4	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.4
170°	4.1	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
172.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0	0.5	1.0	1.6	2.1
175°	2.0	1.7	1.4	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.4
177.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.9	1.0	1.2	1.4	1.6	1.7	1.9	2.1	2.2	2.4	2.6
5°	1.7	2.0	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
7.5°	2.6	3.1	3.6	4.1	4.6	5.0	5.5	6.0	6.4	6.8	7.3
10°	3.5	4.1	4.8	5.5	6.1	6.7	7.4	8.0	8.6	9.1	9.7
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°	5.0	6.0	7.0	7.9	8.9	9.8	10.8	11.7	12.6	13.5	14.4
17.5°	5.8	7.0	8.1	9.2	10.3	11.4	12.4	13.4	14.4	15.5	16.5
20°	6.6	7.9	9.2	10.5	11.7	13.0	14.3	15.4	16.6	17.7	18.7
22.5°	7.3	8.7	10.1	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	15.7	17.2	18.7	20.2	21.7	23.1
27.5°	8.3	10.0	11.6	13.3	14.9	16.5	18.3	20.0	21.8	23.5	25.1
30°	8.9	10.7	12.5	14.2	16.0	17.7	19.5	21.2	22.9	24.8	26.7
32.5°	9.7	11.5	13.3	15.2	17.0	18.9	20.8	22.6	24.4	26.2	28.0
35°	10.3	12.2	14.1	15.9	17.9	19.8	21.9	24.0	26.0	27.9	29.8
37.5°	10.6	12.6	14.6	16.7	18.7	20.6	22.6	24.8	27.1	29.5	31.6
40°	10.9	12.8	14.8	16.9	19.1	21.4	23.7	25.8	28.0	30.5	33.1
42.5°	11.3	13.4	15.4	17.5	19.6	21.7	24.1	26.8	29.4	31.8	34.3
45°	11.5	13.7	16.1	18.2	20.4	22.6	25.1	27.7	30.4	33.2	35.8
47.5°	11.5	13.7	15.9	18.4	21.0	23.7	26.2	28.8	31.6	34.4	37.2
50°	11.9	14.1	16.3	18.6	21.1	24.1	27.1	30.0	32.8	35.7	38.7
52.5°	12.2	14.5	16.8	19.3	21.9	24.6	27.5	30.7	33.9	36.9	40.1
55°	12.4	14.9	17.3	19.8	22.5	25.3	28.3	31.3	34.7	38.1	41.4
57.5°	12.0	14.5	17.3	20.1	22.9	25.9	29.0	32.2	35.5	39.0	42.6
60°	12.3	14.6	17.0	19.8	22.8	26.0	29.5	32.9	36.4	40.0	44.0
62.5°	11.5	14.1	16.8	19.5	22.7	25.9	29.4	33.4	37.1	41.1	45.4
65°	10.6	13.2	16.1	19.0	22.2	25.9	29.5	33.3	37.6	41.9	46.5
67.5°	9.7	12.2	15.1	18.5	21.7	25.2	29.4	33.1	37.5	42.3	47.4
70°	9.1	11.4	14.2	17.4	21.2	24.3	28.3	33.0	37.5	42.6	48.1
72.5°	8.4	10.7	13.5	16.4	19.7	23.6	27.2	32.4	37.6	42.8	48.6
75°	7.5	9.8	12.3	15.1	18.4	22.5	26.7	31.5	37.6	43.2	49.1
77.5°	6.7	8.3	10.8	13.9	17.3	21.5	26.1	30.8	37.3	43.4	49.7
80°	5.1	6.8	9.4	12.7	16.3	20.7	25.3	30.1	36.3	43.2	50.2
82.5°	3.0	5.1	8.1	11.8	15.5	19.4	24.0	29.2	35.5	43.0	50.7
85°	1.1	4.4	7.8	11.5	15.0	18.6	23.0	28.4	35.1	43.1	51.4
87.5°	0.4	4.8	8.4	11.8	15.0	18.2	22.3	27.9	35.1	43.5	52.4
90°	0.0	5.8	9.6	12.5	15.4	18.3	22.1	27.9	35.6	44.3	53.9
92.5°	0.4	4.8	8.4	11.8	15.0	18.2	22.3	27.9	35.1	43.5	52.4
95°	1.1	4.4	7.8	11.5	15.0	18.6	23.0	28.4	35.1	43.1	51.4
97.5°	3.0	5.1	8.1	11.8	15.5	19.4	24.0	29.2	35.5	43.0	50.7
100°	5.1	6.8	9.4	12.7	16.3	20.7	25.3	30.1	36.3	43.2	50.2
102.5°	6.7	8.3	10.8	13.9	17.3	21.5	26.1	30.8	37.3	43.4	49.7
105°	7.5	9.8	12.3	15.1	18.4	22.5	26.7	31.5	37.6	43.2	49.1
107.5°	8.4	10.7	13.5	16.4	19.7	23.6	27.2	32.4	37.6	42.8	48.6
110°	9.1	11.4	14.2	17.4	21.2	24.3	28.3	33.0	37.5	42.6	48.1



TEST NUMBER: P231976

CATALOG NUMBER: FVS4WM-4-LD4-30-1HI-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°	9.7	12.2	15.1	18.5	21.7	25.2	29.4	33.1	37.5	42.3	47.4
115°	10.6	13.2	16.1	19.0	22.2	25.9	29.5	33.3	37.6	41.9	46.5
117.5°	11.5	14.1	16.8	19.5	22.7	25.9	29.4	33.4	37.1	41.1	45.4
120°	12.3	14.6	17.0	19.8	22.8	26.0	29.5	32.9	36.4	40.0	44.0
122.5°	12.0	14.5	17.3	20.1	22.9	25.9	29.0	32.2	35.5	39.0	42.6
125°	12.4	14.9	17.3	19.8	22.5	25.3	28.3	31.3	34.7	38.1	41.4
127.5°	12.2	14.5	16.8	19.3	21.9	24.6	27.5	30.7	33.9	36.9	40.1
130°	11.9	14.1	16.3	18.6	21.1	24.1	27.1	30.0	32.8	35.7	38.7
132.5°	11.5	13.7	15.9	18.4	21.0	23.7	26.2	28.8	31.6	34.4	37.2
135°	11.5	13.7	16.1	18.2	20.4	22.6	25.1	27.7	30.4	33.2	35.8
137.5°	11.3	13.4	15.4	17.5	19.6	21.7	24.1	26.8	29.4	31.8	34.3
140°	10.9	12.8	14.8	16.9	19.1	21.4	23.7	25.8	28.0	30.5	33.1
142.5°	10.6	12.6	14.6	16.7	18.7	20.6	22.6	24.8	27.1	29.5	31.6
145°	10.3	12.2	14.1	15.9	17.9	19.8	21.9	24.0	26.0	27.9	29.8
147.5°	9.7	11.5	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	26.7
152.5°	8.3	10.0	11.6	13.3	14.9	16.5	18.3	20.0	21.8	23.5	25.1
155°	7.8	9.3	10.9	12.5	14.1	15.7	17.2	18.7	20.2	21.7	23.1
157.5°	7.3	8.7	10.1	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	15.4	16.6	17.7	18.7
162.5°	5.8	7.0	8.1	9.2	10.3	11.4	12.4	13.4	14.4	15.5	16.5
165°	5.0	6.0	7.0	7.9	8.9	9.8	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	4.1	4.8	5.5	6.1	6.7	7.4	8.0	8.6	9.1	9.7
172.5°	2.6	3.1	3.6	4.1	4.6	5.0	5.5	6.0	6.4	6.8	7.3
175°	1.7	2.0	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
177.5°	0.9	1.0	1.2	1.4	1.6	1.7	1.9	2.1	2.2	2.4	2.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1
5°	5.0	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.2
7.5°	7.7	8.0	8.4	8.8	9.1	9.4	9.7	9.9	10.1	10.4	10.5
10°	10.2	10.7	11.2	11.7	12.2	12.6	13.0	13.4	13.7	14.0	14.2
12.5°	12.8	13.5	14.1	14.7	15.3	15.8	16.3	16.8	17.2	17.6	18.0
15°	15.2	16.1	16.9	17.7	18.4	19.0	19.6	20.1	20.7	21.2	21.6
17.5°	17.5	18.4	19.4	20.3	21.2	22.1	22.9	23.6	24.2	24.7	25.2
20°	19.7	20.8	21.8	22.9	23.9	24.9	25.9	26.8	27.7	28.3	28.9
22.5°	22.3	23.4	24.5	25.4	26.6	27.7	28.8	29.8	30.9	31.9	32.6
25°	24.6	26.0	27.3	28.4	29.4	30.4	31.6	32.8	33.9	35.1	37.2
27.5°	26.7	28.2	29.7	31.2	32.6	33.6	35.4	37.6	40.2	42.9	46.0
30°	28.7	30.4	32.0	33.9	36.0	38.4	40.7	43.2	46.1	49.6	53.4
32.5°	30.0	32.3	34.6	36.8	39.2	41.8	44.8	47.9	51.2	55.1	59.7
35°	31.8	33.9	36.5	39.2	41.8	44.6	47.8	51.5	55.5	59.7	65.0
37.5°	33.7	35.9	38.2	40.9	43.9	47.0	50.2	54.2	58.8	63.8	69.3
40°	35.4	37.7	40.1	42.6	45.5	49.0	52.6	56.4	61.5	67.1	73.4
42.5°	36.9	39.5	41.9	44.5	47.3	50.7	54.6	58.8	63.5	69.8	76.9
45°	38.5	41.1	43.7	46.4	49.2	52.4	56.3	60.8	65.7	72.0	79.6
47.5°	40.0	42.9	45.6	48.3	51.2	54.3	57.8	62.6	67.9	73.6	82.1
50°	41.6	44.5	47.6	50.3	53.1	56.2	59.9	64.7	71.5	78.1	85.5
52.5°	43.3	46.2	49.2	52.5	55.2	60.3	66.1	72.4	78.9	84.8	90.3
55°	44.8	48.2	51.3	56.3	61.7	67.2	73.6	80.4	86.9	92.4	96.6
57.5°	46.3	50.9	55.8	60.9	67.4	73.8	80.8	88.1	95.5	100.8	104.2
60°	48.5	53.7	59.4	65.2	72.1	79.7	87.5	95.7	103.8	109.5	112.6
62.5°	50.2	55.8	62.2	69.0	76.2	84.9	93.7	102.8	111.8	118.7	121.6
65°	51.7	57.5	64.4	72.2	80.2	89.5	99.5	109.7	119.7	128.3	131.3
67.5°	52.9	59.0	66.4	74.9	83.9	93.7	104.9	116.4	127.6	137.6	140.7
70°	54.0	60.5	68.1	77.2	87.2	97.6	110.0	122.8	135.1	145.4	147.8
72.5°	55.1	61.8	69.6	79.4	90.3	101.2	113.3	125.5	136.1	144.3	146.8
75°	56.1	63.3	71.6	81.6	92.5	103.6	115.2	127.1	137.2	144.0	146.1
77.5°	57.1	65.1	73.9	83.9	95.1	106.4	117.7	129.3	139.1	144.5	145.6
80°	58.2	67.0	76.2	86.6	98.0	109.6	120.6	131.9	141.5	145.4	145.3
82.5°	59.3	69.0	78.8	89.6	101.2	113.1	124.0	135.0	144.5	146.8	145.1
85°	60.6	71.3	81.6	93.0	104.9	117.0	127.9	138.4	147.8	148.5	144.9
87.5°	62.3	73.9	84.8	96.8	109.0	121.3	132.1	142.2	151.3	150.2	144.7
90°	64.5	77.0	88.5	101.0	113.5	126.0	136.6	146.2	154.9	152.0	144.3
92.5°	62.3	73.9	84.8	96.8	109.0	121.3	132.1	142.2	151.3	150.2	144.7
95°	60.6	71.3	81.6	93.0	104.9	117.0	127.9	138.4	147.8	148.5	144.9
97.5°	59.3	69.0	78.8	89.6	101.2	113.1	124.0	135.0	144.5	146.8	145.1
100°	58.2	67.0	76.2	86.6	98.0	109.6	120.6	131.9	141.5	145.4	145.3
102.5°	57.1	65.1	73.9	83.9	95.1	106.4	117.7	129.3	139.1	144.5	145.6
105°	56.1	63.3	71.6	81.6	92.5	103.6	115.2	127.1	137.2	144.0	146.1
107.5°	55.1	61.8	69.6	79.4	90.3	101.2	113.3	125.5	136.1	144.3	146.8
110°	54.0	60.5	68.1	77.2	87.2	97.6	110.0	122.8	135.1	145.4	147.8



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	52.9	59.0	66.4	74.9	83.9	93.7	104.9	116.4	127.6	137.6	140.7
115°	51.7	57.5	64.4	72.2	80.2	89.5	99.5	109.7	119.7	128.3	131.3
117.5°	50.2	55.8	62.2	69.0	76.2	84.9	93.7	102.8	111.8	118.7	121.6
120°	48.5	53.7	59.4	65.2	72.1	79.7	87.5	95.7	103.8	109.5	112.6
122.5°	46.3	50.9	55.8	60.9	67.4	73.8	80.8	88.1	95.5	100.8	104.2
125°	44.8	48.2	51.3	56.3	61.7	67.2	73.6	80.4	86.9	92.4	96.6
127.5°	43.3	46.2	49.2	52.5	55.2	60.3	66.1	72.4	78.9	84.8	90.3
130°	41.6	44.5	47.6	50.3	53.1	56.2	59.9	64.7	71.5	78.1	85.5
132.5°	40.0	42.9	45.6	48.3	51.2	54.3	57.8	62.6	67.9	73.6	82.1
135°	38.5	41.1	43.7	46.4	49.2	52.4	56.3	60.8	65.7	72.0	79.6
137.5°	36.9	39.5	41.9	44.5	47.3	50.7	54.6	58.8	63.5	69.8	76.9
140°	35.4	37.7	40.1	42.6	45.5	49.0	52.6	56.4	61.5	67.1	73.4
142.5°	33.7	35.9	38.2	40.9	43.9	47.0	50.2	54.2	58.8	63.8	69.3
145°	31.8	33.9	36.5	39.2	41.8	44.6	47.8	51.5	55.5	59.7	65.0
147.5°	30.0	32.3	34.6	36.8	39.2	41.8	44.8	47.9	51.2	55.1	59.7
150°	28.7	30.4	32.0	33.9	36.0	38.4	40.7	43.2	46.1	49.6	53.4
152.5°	26.7	28.2	29.7	31.2	32.6	33.6	35.4	37.6	40.2	42.9	46.0
155°	24.6	26.0	27.3	28.4	29.4	30.4	31.6	32.8	33.9	35.1	37.2
157.5°	22.3	23.4	24.5	25.4	26.6	27.7	28.8	29.8	30.9	31.9	32.6
160°	19.7	20.8	21.8	22.9	23.9	24.9	25.9	26.8	27.7	28.3	28.9
162.5°	17.5	18.4	19.4	20.3	21.2	22.1	22.9	23.6	24.2	24.7	25.2
165°	15.2	16.1	16.9	17.7	18.4	19.0	19.6	20.1	20.7	21.2	21.6
167.5°	12.8	13.5	14.1	14.7	15.3	15.8	16.3	16.8	17.2	17.6	18.0
170°	10.2	10.7	11.2	11.7	12.2	12.6	13.0	13.4	13.7	14.0	14.2
172.5°	7.7	8.0	8.4	8.8	9.1	9.4	9.7	9.9	10.1	10.4	10.5
175°	5.0	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.2
177.5°	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0	5.4
5°	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7	8.8	8.9	9.9
7.5°	10.7	10.8	11.1	11.4	11.7	12.0	12.2	12.5	12.7	12.9	14.3
10°	14.4	14.6	14.8	14.9	15.2	15.6	15.9	16.3	16.6	16.8	18.7
12.5°	18.3	18.5	18.6	18.7	18.8	19.2	19.6	20.0	20.4	20.8	23.1
15°	22.0	22.4	22.5	22.7	22.7	22.7	23.3	23.8	24.3	24.7	27.5
17.5°	25.7	26.1	26.5	26.6	26.7	26.7	26.9	27.5	28.1	28.7	31.9
20°	29.4	29.9	30.3	30.6	30.7	30.6	30.5	31.2	32.0	32.6	36.2
22.5°	33.1	33.7	34.1	34.5	34.7	34.6	34.5	35.0	35.8	36.6	40.6
25°	39.3	41.2	43.2	44.8	46.3	46.9	47.1	47.4	48.2	48.8	52.9
27.5°	49.2	52.1	54.9	57.3	59.3	60.5	60.4	60.2	60.7	61.0	65.2
30°	57.6	61.9	65.7	69.5	72.0	74.3	73.9	73.2	73.3	73.1	77.5
32.5°	64.8	70.4	75.7	80.6	84.4	87.3	87.5	86.5	86.0	85.3	89.7
35°	70.9	77.7	84.8	91.0	96.5	100.1	101.2	99.8	98.7	97.5	101.9
37.5°	76.4	84.1	92.7	100.7	108.6	112.6	115.0	113.2	111.5	109.7	114.0
40°	80.9	89.6	99.6	109.7	118.8	125.0	129.0	126.7	124.3	121.8	126.1
42.5°	84.6	94.7	105.8	118.5	128.8	137.2	142.9	140.2	137.2	134.0	138.2
45°	88.5	99.1	111.3	125.4	138.3	149.2	155.6	153.8	150.2	146.2	150.2
47.5°	91.6	101.7	113.6	127.1	140.1	151.7	158.3	158.9	157.6	157.1	164.8
50°	93.4	101.9	113.1	125.9	139.2	151.5	159.7	163.1	164.7	168.0	179.7
52.5°	96.5	103.8	113.3	125.1	138.5	151.1	160.9	167.0	171.5	178.9	194.8
55°	101.2	106.6	114.0	124.7	137.9	150.8	162.0	170.6	178.0	189.8	210.2
57.5°	107.0	110.2	115.4	124.9	137.7	150.6	163.0	173.9	184.3	200.7	225.7
60°	113.8	114.6	117.6	126.0	137.7	150.6	163.8	176.8	190.5	211.6	241.5
62.5°	121.6	120.0	121.1	127.5	138.1	150.8	164.6	179.6	196.4	222.5	257.4
65°	130.0	126.6	125.3	129.4	138.8	151.0	165.3	182.1	202.2	233.4	273.4
67.5°	138.8	133.7	129.9	131.7	139.7	151.4	165.9	184.5	207.9	244.3	289.5
70°	144.1	137.2	131.5	131.7	138.8	150.1	164.3	183.0	206.4	242.5	288.7
72.5°	142.9	136.2	130.9	130.8	137.6	148.6	162.6	181.4	204.9	240.7	287.7
75°	141.8	135.0	130.1	130.0	136.6	147.2	161.1	180.0	203.6	238.9	288.3
77.5°	140.6	133.5	129.1	129.1	135.6	146.0	159.6	178.6	202.3	237.1	286.6
80°	139.4	131.7	128.0	128.4	134.8	144.8	158.2	177.4	201.2	235.2	284.9
82.5°	138.2	129.7	126.8	127.7	134.2	143.8	157.0	176.2	200.1	233.4	283.1
85°	136.8	127.6	125.6	127.1	133.6	142.9	155.8	175.1	199.0	231.6	281.4
87.5°	135.3	125.4	124.3	126.5	133.2	142.1	154.8	174.1	198.1	229.8	279.7
90°	133.7	123.1	123.1	126.0	132.8	141.4	153.9	173.2	197.2	228.0	278.0
92.5°	135.3	125.4	124.3	126.5	133.2	142.1	154.8	174.1	198.1	229.8	279.7
95°	136.8	127.6	125.6	127.1	133.6	142.9	155.8	175.1	199.0	231.6	281.4
97.5°	138.2	129.7	126.8	127.7	134.2	143.8	157.0	176.2	200.1	233.4	283.1
100°	139.4	131.7	128.0	128.4	134.8	144.8	158.2	177.4	201.2	235.2	284.9
102.5°	140.6	133.5	129.1	129.1	135.6	146.0	159.6	178.6	202.3	237.1	286.6
105°	141.8	135.0	130.1	130.0	136.6	147.2	161.1	180.0	203.6	238.9	288.3
107.5°	142.9	136.2	130.9	130.8	137.6	148.6	162.6	181.4	204.9	240.7	287.7
110°	144.1	137.2	131.5	131.7	138.8	150.1	164.3	183.0	206.4	242.5	288.7





TEST NUMBER: P231976

CATALOG NUMBER: FVS4WM-4-LD4-30-1HI-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°	138.8	133.7	129.9	131.7	139.7	151.4	165.9	184.5	207.9	244.3	289.5
115°	130.0	126.6	125.3	129.4	138.8	151.0	165.3	182.1	202.2	233.4	273.4
117.5°	121.6	120.0	121.1	127.5	138.1	150.8	164.6	179.6	196.4	222.5	257.4
120°	113.8	114.6	117.6	126.0	137.7	150.6	163.8	176.8	190.5	211.6	241.5
122.5°	107.0	110.2	115.4	124.9	137.7	150.6	163.0	173.9	184.3	200.7	225.7
125°	101.2	106.6	114.0	124.7	137.9	150.8	162.0	170.6	178.0	189.8	210.2
127.5°	96.5	103.8	113.3	125.1	138.5	151.1	160.9	167.0	171.5	178.9	194.8
130°	93.4	101.9	113.1	125.9	139.2	151.5	159.7	163.1	164.7	168.0	179.7
132.5°	91.6	101.7	113.6	127.1	140.1	151.7	158.3	158.9	157.6	157.1	164.8
135°	88.5	99.1	111.3	125.4	138.3	149.2	155.6	153.8	150.2	146.2	150.2
137.5°	84.6	94.7	105.8	118.5	128.8	137.2	142.9	140.2	137.2	134.0	138.2
140°	80.9	89.6	99.6	109.7	118.8	125.0	129.0	126.7	124.3	121.8	126.1
142.5°	76.4	84.1	92.7	100.7	108.6	112.6	115.0	113.2	111.5	109.7	114.0
145°	70.9	77.7	84.8	91.0	96.5	100.1	101.2	99.8	98.7	97.5	101.9
147.5°	64.8	70.4	75.7	80.6	84.4	87.3	87.5	86.5	86.0	85.3	89.7
150°	57.6	61.9	65.7	69.5	72.0	74.3	73.9	73.2	73.3	73.1	77.5
152.5°	49.2	52.1	54.9	57.3	59.3	60.5	60.4	60.2	60.7	61.0	65.2
155°	39.3	41.2	43.2	44.8	46.3	46.9	47.1	47.4	48.2	48.8	52.9
157.5°	33.1	33.7	34.1	34.5	34.7	34.6	34.5	35.0	35.8	36.6	40.6
160°	29.4	29.9	30.3	30.6	30.7	30.6	30.5	31.2	32.0	32.6	36.2
162.5°	25.7	26.1	26.5	26.6	26.7	26.7	26.9	27.5	28.1	28.7	31.9
165°	22.0	22.4	22.5	22.7	22.7	22.7	23.3	23.8	24.3	24.7	27.5
167.5°	18.3	18.5	18.6	18.7	18.8	19.2	19.6	20.0	20.4	20.8	23.1
170°	14.4	14.6	14.8	14.9	15.2	15.6	15.9	16.3	16.6	16.8	18.7
172.5°	10.7	10.8	11.1	11.4	11.7	12.0	12.2	12.5	12.7	12.9	14.3
175°	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7	8.8	8.9	9.9
177.5°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0	5.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.0	9.4	9.8	10.1
5°	10.8	11.8	12.7	13.6	14.5	15.3	16.2	16.9	17.7	18.4	19.2
7.5°	15.7	17.1	18.5	19.8	21.1	22.4	23.7	25.4	27.0	28.5	30.0
10°	20.6	22.4	24.2	26.0	27.8	30.1	32.4	34.6	36.7	38.8	40.9
12.5°	25.4	27.7	29.9	32.4	35.3	38.2	41.0	43.8	46.6	49.7	52.6
15°	30.2	32.9	35.7	39.3	42.8	46.2	49.6	53.2	56.8	60.3	64.1
17.5°	35.0	38.1	41.9	46.1	50.1	54.1	58.2	62.2	66.2	69.9	73.5
20°	39.8	43.4	48.1	52.8	57.4	61.8	66.2	70.6	74.9	79.0	83.0
22.5°	44.5	48.9	54.2	59.4	64.3	69.0	73.7	78.6	83.3	87.9	92.2
25°	56.8	61.6	66.9	71.9	76.3	80.4	84.7	88.9	92.6	95.7	100.2
27.5°	69.3	74.8	80.4	85.5	90.2	94.8	99.2	103.4	106.7	109.9	113.1
30°	81.6	87.8	93.9	99.0	104.3	108.7	113.3	116.9	120.3	123.8	127.1
32.5°	94.2	100.7	106.8	112.3	117.4	122.2	126.4	130.0	133.6	137.0	141.5
35°	106.8	113.5	119.8	125.5	130.5	135.6	139.1	142.7	146.2	150.3	156.0
37.5°	119.3	126.2	132.6	138.4	143.3	147.7	151.4	154.9	158.6	163.9	170.1
40°	131.7	138.8	145.3	151.0	155.7	159.6	163.2	166.5	171.0	176.7	185.2
42.5°	144.0	151.3	157.8	163.2	167.7	171.3	174.6	177.6	183.2	190.4	199.6
45°	156.2	163.6	170.3	175.2	179.2	182.7	185.5	189.3	194.6	204.0	214.2
47.5°	175.0	186.0	195.1	199.4	201.0	201.1	201.0	202.1	207.2	217.6	228.5
50°	194.7	210.2	223.2	228.8	229.0	228.6	229.1	231.3	235.7	241.4	248.0
52.5°	215.0	235.2	251.3	258.7	256.3	256.2	258.0	260.9	265.7	271.2	277.8
55°	235.8	261.0	279.7	287.6	282.8	283.9	286.9	290.8	295.1	299.7	305.8
57.5°	257.1	287.4	308.5	315.4	309.3	311.8	316.0	320.0	323.5	327.3	332.4
60°	278.8	314.4	337.5	342.8	336.7	340.0	345.2	348.5	350.9	353.5	356.5
62.5°	300.8	341.8	366.8	369.7	364.3	368.6	374.2	376.6	377.4	378.5	379.3
65°	323.2	369.7	396.3	396.3	391.9	397.2	402.6	403.8	403.0	402.2	400.4
67.5°	345.7	397.9	425.9	422.6	419.5	425.9	430.5	430.2	427.7	424.6	420.2
70°	345.8	400.5	433.8	435.8	436.8	443.5	448.4	449.1	447.7	444.7	438.7
72.5°	344.8	401.0	439.3	447.1	449.6	453.8	456.5	456.4	454.4	450.7	446.1
75°	343.6	401.2	445.3	459.6	462.0	463.4	464.3	463.6	461.0	456.7	452.5
77.5°	342.1	401.2	451.5	473.1	474.1	472.5	472.0	470.8	467.5	462.7	459.2
80°	342.1	400.8	458.0	487.2	485.9	481.0	479.5	478.0	474.0	468.9	466.2
82.5°	339.3	401.8	466.6	501.8	497.5	489.3	486.9	485.3	480.5	475.1	473.3
85°	336.5	400.0	471.7	517.4	508.8	497.1	494.1	492.4	487.0	481.5	480.6
87.5°	333.7	398.1	476.8	531.4	520.4	505.4	501.5	499.7	493.5	487.9	488.0
90°	330.9	396.3	481.9	545.4	532.0	513.7	508.9	507.0	500.2	494.5	495.4
92.5°	333.7	398.1	476.8	531.4	520.4	505.4	501.5	499.7	493.5	487.9	488.0
95°	336.5	400.0	471.7	517.4	508.8	497.1	494.1	492.4	487.0	481.5	480.6
97.5°	339.3	401.8	466.6	501.8	497.5	489.3	486.9	485.3	480.5	475.1	473.3
100°	342.1	400.8	458.0	487.2	485.9	481.0	479.5	478.0	474.0	468.9	466.2
102.5°	342.1	401.2	451.5	473.1	474.1	472.5	472.0	470.8	467.5	462.7	459.2
105°	343.6	401.2	445.3	459.6	462.0	463.4	464.3	463.6	461.0	456.7	452.5
107.5°	344.8	401.0	439.3	447.1	449.6	453.8	456.5	456.4	454.4	450.7	446.1
110°	345.8	400.5	433.8	435.8	436.8	443.5	448.4	449.1	447.7	444.7	438.7



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	345.7	397.9	425.9	422.6	419.5	425.9	430.5	430.2	427.7	424.6	420.2
115°	323.2	369.7	396.3	396.3	391.9	397.2	402.6	403.8	403.0	402.2	400.4
117.5°	300.8	341.8	366.8	369.7	364.3	368.6	374.2	376.6	377.4	378.5	379.3
120°	278.8	314.4	337.5	342.8	336.7	340.0	345.2	348.5	350.9	353.5	356.5
122.5°	257.1	287.4	308.5	315.4	309.3	311.8	316.0	320.0	323.5	327.3	332.4
125°	235.8	261.0	279.7	287.6	282.8	283.9	286.9	290.8	295.1	299.7	305.8
127.5°	215.0	235.2	251.3	258.7	256.3	256.2	258.0	260.9	265.7	271.2	277.8
130°	194.7	210.2	223.2	228.8	229.0	228.6	229.1	231.3	235.7	241.4	248.0
132.5°	175.0	186.0	195.1	199.4	201.0	201.1	201.0	202.1	207.2	217.6	228.5
135°	156.2	163.6	170.3	175.2	179.2	182.7	185.5	189.3	194.6	204.0	214.2
137.5°	144.0	151.3	157.8	163.2	167.7	171.3	174.6	177.6	183.2	190.4	199.6
140°	131.7	138.8	145.3	151.0	155.7	159.6	163.2	166.5	171.0	176.7	185.2
142.5°	119.3	126.2	132.6	138.4	143.3	147.7	151.4	154.9	158.6	163.9	170.1
145°	106.8	113.5	119.8	125.5	130.5	135.6	139.1	142.7	146.2	150.3	156.0
147.5°	94.2	100.7	106.8	112.3	117.4	122.2	126.4	130.0	133.6	137.0	141.5
150°	81.6	87.8	93.9	99.0	104.3	108.7	113.3	116.9	120.3	123.8	127.1
152.5°	69.3	74.8	80.4	85.5	90.2	94.8	99.2	103.4	106.7	109.9	113.1
155°	56.8	61.6	66.9	71.9	76.3	80.4	84.7	88.9	92.6	95.7	100.2
157.5°	44.5	48.9	54.2	59.4	64.3	69.0	73.7	78.6	83.3	87.9	92.2
160°	39.8	43.4	48.1	52.8	57.4	61.8	66.2	70.6	74.9	79.0	83.0
162.5°	35.0	38.1	41.9	46.1	50.1	54.1	58.2	62.2	66.2	69.9	73.5
165°	30.2	32.9	35.7	39.3	42.8	46.2	49.6	53.2	56.8	60.3	64.1
167.5°	25.4	27.7	29.9	32.4	35.3	38.2	41.0	43.8	46.6	49.7	52.6
170°	20.6	22.4	24.2	26.0	27.8	30.1	32.4	34.6	36.7	38.8	40.9
172.5°	15.7	17.1	18.5	19.8	21.1	22.4	23.7	25.4	27.0	28.5	30.0
175°	10.8	11.8	12.7	13.6	14.5	15.3	16.2	16.9	17.7	18.4	19.2
177.5°	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.0	9.4	9.8	10.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	10.5	10.8	11.1	11.4	11.6	11.9	12.1	12.3	12.5	12.6	12.8
5°	20.1	21.0	21.9	22.7	23.5	24.3	24.9	25.6	26.1	26.7	27.1
7.5°	31.5	32.8	34.1	35.4	36.7	38.2	39.6	40.9	42.2	43.3	44.4
10°	43.2	45.5	47.7	49.9	51.9	53.9	55.8	57.4	58.7	59.9	60.9
12.5°	55.5	58.3	61.0	63.2	65.2	67.2	69.0	70.8	72.4	74.3	76.3
15°	66.7	69.5	72.3	74.9	77.4	80.5	83.4	86.3	89.0	91.7	94.2
17.5°	76.9	80.6	83.8	87.4	91.0	94.5	97.9	101.2	104.3	107.4	110.4
20°	87.1	91.1	95.1	99.1	103.1	107.0	110.9	114.6	117.9	121.0	123.8
22.5°	96.5	100.8	105.3	109.7	114.2	118.8	123.1	127.2	130.7	133.4	135.6
25°	104.8	109.6	114.9	120.2	125.7	130.9	135.8	140.1	143.6	146.9	150.2
27.5°	116.3	120.1	125.1	131.6	138.6	145.0	151.3	156.3	161.5	165.8	169.5
30°	131.5	136.7	142.2	148.8	155.1	162.4	169.9	176.4	182.3	187.3	191.7
32.5°	147.0	153.2	160.5	167.8	176.0	183.8	191.6	199.0	205.3	210.8	215.7
35°	162.5	170.4	178.7	187.6	196.4	205.3	213.8	221.3	228.1	234.9	241.8
37.5°	178.6	187.4	197.1	206.9	216.8	226.1	234.7	243.0	251.7	260.7	270.3
40°	194.2	204.6	215.1	226.0	236.3	246.0	256.1	266.0	277.3	289.7	302.4
42.5°	210.2	221.2	233.0	244.4	255.3	266.7	277.9	291.6	306.5	321.5	337.6
45°	225.5	237.9	250.3	262.3	274.8	287.3	302.5	318.0	335.7	355.0	378.1
47.5°	240.9	254.0	267.1	280.5	294.2	310.1	326.8	345.5	367.6	392.2	422.0
50°	256.8	269.8	283.9	298.7	314.9	332.1	351.4	374.5	401.7	433.5	469.0
52.5°	285.6	294.2	304.5	317.1	335.4	353.9	376.7	404.4	437.5	476.8	523.9
55°	312.4	320.0	330.1	342.7	358.3	376.0	401.6	435.2	475.3	524.5	582.9
57.5°	337.0	343.5	353.4	367.2	384.9	407.8	434.3	466.7	516.2	576.1	642.1
60°	359.7	364.6	375.7	392.2	413.7	439.4	468.6	510.9	563.5	625.7	702.4
62.5°	380.6	385.3	396.9	416.5	442.8	470.0	504.9	552.0	612.7	684.0	764.6
65°	399.6	405.2	419.8	442.5	470.7	496.9	538.7	594.2	661.2	738.6	827.6
67.5°	416.8	423.6	441.8	468.7	495.4	525.8	570.9	630.8	704.6	790.2	887.0
70°	434.2	441.5	463.0	493.9	517.0	551.5	602.1	667.3	744.8	834.7	941.9
72.5°	446.0	458.1	484.0	516.1	536.5	574.8	628.2	697.5	778.8	875.4	982.8
75°	455.0	470.6	500.5	532.3	558.2	597.3	652.8	722.6	804.6	907.5	1017.7
77.5°	463.7	482.3	516.9	548.7	578.1	619.8	677.0	747.9	833.5	935.6	1045.0
80°	472.3	493.2	532.7	564.8	595.9	638.6	696.4	767.7	857.9	962.4	1076.5
82.5°	480.6	503.3	547.8	580.7	611.8	654.1	711.3	782.3	875.8	981.8	1099.8
85°	488.7	512.7	561.9	595.9	626.1	666.7	722.2	791.9	887.4	994.1	1114.7
87.5°	496.6	521.7	575.6	610.8	639.4	677.6	730.8	798.9	895.7	1002.6	1125.2
90°	504.1	529.1	585.8	623.4	650.3	684.9	734.0	798.4	892.7	997.6	1118.8
92.5°	496.6	521.7	575.6	610.8	639.4	677.6	730.8	798.9	895.7	1002.6	1125.2
95°	488.7	512.7	561.9	595.9	626.1	666.7	722.2	791.9	887.4	994.1	1114.7
97.5°	480.6	503.3	547.8	580.7	611.8	654.1	711.3	782.3	875.8	981.8	1099.8
100°	472.3	493.2	532.7	564.8	595.9	638.6	696.4	767.7	857.9	962.4	1076.5
102.5°	463.7	482.3	516.9	548.7	578.1	619.8	677.0	747.9	833.5	935.6	1045.0
105°	455.0	470.6	500.5	532.3	558.2	597.3	652.8	722.6	804.6	907.5	1017.7
107.5°	446.0	458.1	484.0	516.1	536.5	574.8	628.2	697.5	778.8	875.4	982.8
110°	434.2	441.5	463.0	493.9	517.0	551.5	602.1	667.3	744.8	834.7	941.9



TEST NUMBER: P231976

CATALOG NUMBER: FVS4WM-4-LD4-30-1HI-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°	416.8	423.6	441.8	468.7	495.4	525.8	570.9	630.8	704.6	790.2	887.0
115°	399.6	405.2	419.8	442.5	470.7	496.9	538.7	594.2	661.2	738.6	827.6
117.5°	380.6	385.3	396.9	416.5	442.8	470.0	504.9	552.0	612.7	684.0	764.6
120°	359.7	364.6	375.7	392.2	413.7	439.4	468.6	510.9	563.5	625.7	702.4
122.5°	337.0	343.5	353.4	367.2	384.9	407.8	434.3	466.7	516.2	576.1	642.1
125°	312.4	320.0	330.1	342.7	358.3	376.0	401.6	435.2	475.3	524.5	582.9
127.5°	285.6	294.2	304.5	317.1	335.4	353.9	376.7	404.4	437.5	476.8	523.9
130°	256.8	269.8	283.9	298.7	314.9	332.1	351.4	374.5	401.7	433.5	469.0
132.5°	240.9	254.0	267.1	280.5	294.2	310.1	326.8	345.5	367.6	392.2	422.0
135°	225.5	237.9	250.3	262.3	274.8	287.3	302.5	318.0	335.7	355.0	378.1
137.5°	210.2	221.2	233.0	244.4	255.3	266.7	277.9	291.6	306.5	321.5	337.6
140°	194.2	204.6	215.1	226.0	236.3	246.0	256.1	266.0	277.3	289.7	302.4
142.5°	178.6	187.4	197.1	206.9	216.8	226.1	234.7	243.0	251.7	260.7	270.3
145°	162.5	170.4	178.7	187.6	196.4	205.3	213.8	221.3	228.1	234.9	241.8
147.5°	147.0	153.2	160.5	167.8	176.0	183.8	191.6	199.0	205.3	210.8	215.7
150°	131.5	136.7	142.2	148.8	155.1	162.4	169.9	176.4	182.3	187.3	191.7
152.5°	116.3	120.1	125.1	131.6	138.6	145.0	151.3	156.3	161.5	165.8	169.5
155°	104.8	109.6	114.9	120.2	125.7	130.9	135.8	140.1	143.6	146.9	150.2
157.5°	96.5	100.8	105.3	109.7	114.2	118.8	123.1	127.2	130.7	133.4	135.6
160°	87.1	91.1	95.1	99.1	103.1	107.0	110.9	114.6	117.9	121.0	123.8
162.5°	76.9	80.6	83.8	87.4	91.0	94.5	97.9	101.2	104.3	107.4	110.4
165°	66.7	69.5	72.3	74.9	77.4	80.5	83.4	86.3	89.0	91.7	94.2
167.5°	55.5	58.3	61.0	63.2	65.2	67.2	69.0	70.8	72.4	74.3	76.3
170°	43.2	45.5	47.7	49.9	51.9	53.9	55.8	57.4	58.7	59.9	60.9
172.5°	31.5	32.8	34.1	35.4	36.7	38.2	39.6	40.9	42.2	43.3	44.4
175°	20.1	21.0	21.9	22.7	23.5	24.3	24.9	25.6	26.1	26.7	27.1
177.5°	10.5	10.8	11.1	11.4	11.6	11.9	12.1	12.3	12.5	12.6	12.8
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	12.9	13.0	13.1	13.1	13.1	13.1	13.5	13.3	13.2	13.0	12.8
5°	27.5	27.9	28.2	28.4	28.6	28.7	28.8	28.8	29.2	28.9	28.6
7.5°	45.4	46.3	47.1	47.8	48.4	48.9	49.2	49.5	49.7	50.2	49.9
10°	61.9	62.7	63.5	64.1	64.6	65.0	65.3	65.5	65.5	66.0	65.5
12.5°	78.2	80.0	81.6	83.1	84.4	85.6	86.6	87.4	88.1	88.5	89.2
15°	96.5	98.7	100.7	102.6	104.3	105.8	107.1	108.3	109.2	109.9	110.9
17.5°	113.1	115.1	116.9	118.5	119.9	121.0	121.9	122.6	123.1	123.4	123.8
20°	126.3	128.2	129.1	129.7	129.9	129.8	129.4	128.8	127.9	126.9	125.7
22.5°	137.1	138.2	139.4	140.5	141.1	141.2	140.9	140.2	139.1	137.7	136.3
25°	152.9	154.9	156.3	157.3	157.6	157.4	156.6	155.2	153.4	151.2	148.6
27.5°	172.4	174.6	175.9	177.3	178.8	179.8	180.2	180.1	179.3	178.0	176.1
30°	195.1	198.6	201.6	204.0	207.3	210.1	212.3	213.9	214.7	214.7	214.0
32.5°	220.6	226.1	231.3	236.0	241.8	248.1	253.7	258.4	262.2	265.0	266.5
35°	248.5	257.2	266.6	275.6	284.6	294.4	303.3	311.2	318.0	323.4	327.3
37.5°	281.4	293.1	306.5	319.6	332.2	346.9	361.1	374.0	385.4	395.0	402.6
40°	316.8	332.1	350.7	370.2	389.2	408.9	428.8	446.9	462.9	476.6	487.7
42.5°	357.2	377.6	400.9	427.8	453.7	479.4	508.2	534.7	558.5	579.1	596.3
45°	402.3	430.8	458.6	494.5	531.1	569.9	603.7	638.9	670.5	698.2	721.3
47.5°	453.4	491.1	530.5	571.9	619.6	665.4	712.0	757.6	799.1	836.0	867.4
50°	513.1	559.0	610.7	661.3	717.2	775.3	832.8	889.7	939.6	982.2	1017.2
52.5°	577.6	634.5	696.9	759.6	828.7	900.8	969.3	1037.0	1092.4	1135.9	1168.3
55°	645.1	714.8	788.4	870.3	955.4	1050.2	1133.7	1192.5	1236.4	1269.0	1291.0
57.5°	716.1	798.8	887.2	988.7	1099.5	1187.3	1273.4	1317.8	1343.6	1362.5	1374.9
60°	788.9	882.9	989.8	1097.3	1200.1	1287.7	1356.1	1398.4	1416.4	1430.5	1440.5
62.5°	857.3	964.0	1074.9	1185.7	1279.8	1359.9	1417.2	1455.5	1473.6	1489.5	1502.3
65°	926.3	1030.1	1146.9	1258.8	1357.2	1434.3	1478.2	1505.9	1521.1	1536.3	1549.5
67.5°	991.3	1100.1	1219.0	1342.6	1443.9	1501.2	1531.8	1545.6	1559.1	1578.3	1590.9
70°	1048.4	1167.7	1296.0	1429.0	1515.1	1548.5	1566.6	1585.5	1603.9	1615.3	1625.6
72.5°	1098.3	1223.9	1359.4	1477.2	1549.9	1578.7	1598.0	1615.3	1630.8	1644.8	1659.3
75°	1139.2	1268.0	1402.0	1515.6	1580.3	1603.4	1619.7	1636.6	1653.8	1671.9	1687.2
77.5°	1168.0	1295.1	1442.1	1555.2	1604.2	1626.5	1640.1	1650.3	1669.4	1690.2	1710.6
80°	1195.8	1326.0	1476.4	1592.2	1628.1	1647.7	1653.1	1666.6	1679.0	1702.9	1729.7
82.5°	1219.4	1356.8	1509.1	1605.5	1643.1	1657.1	1666.1	1684.4	1698.7	1717.3	1738.9
85°	1233.7	1371.8	1531.9	1614.0	1649.4	1661.2	1678.2	1701.1	1716.1	1728.9	1733.2
87.5°	1242.9	1372.4	1542.3	1620.2	1654.0	1665.7	1682.6	1703.6	1714.9	1736.1	1749.6
90°	1234.2	1360.2	1538.2	1620.9	1655.6	1670.0	1682.5	1700.8	1702.7	1729.6	1749.8
92.5°	1242.9	1372.4	1542.3	1620.2	1654.0	1665.7	1682.6	1703.6	1714.9	1736.1	1749.6
95°	1233.7	1371.8	1531.9	1614.0	1649.4	1661.2	1678.2	1701.1	1716.1	1728.9	1733.2
97.5°	1219.4	1356.8	1509.1	1605.5	1643.1	1657.1	1666.1	1684.4	1698.7	1717.3	1738.9
100°	1195.8	1326.0	1476.4	1592.2	1628.1	1647.7	1653.1	1666.6	1679.0	1702.9	1729.7
102.5°	1168.0	1295.1	1442.1	1555.2	1604.2	1626.5	1640.1	1650.3	1669.4	1690.2	1710.6
105°	1139.2	1268.0	1402.0	1515.6	1580.3	1603.4	1619.7	1636.6	1653.8	1671.9	1687.2
107.5°	1098.3	1223.9	1359.4	1477.2	1549.9	1578.7	1598.0	1615.3	1630.8	1644.8	1659.3
110°	1048.4	1167.7	1296.0	1429.0	1515.1	1548.5	1566.6	1585.5	1603.9	1615.3	1625.6



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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°	991.3	1100.1	1219.0	1342.6	1443.9	1501.2	1531.8	1545.6	1559.1	1578.3	1590.9
115°	926.3	1030.1	1146.9	1258.8	1357.2	1434.3	1478.2	1505.9	1521.1	1536.3	1549.5
117.5°	857.3	964.0	1074.9	1185.7	1279.8	1359.9	1417.2	1455.5	1473.6	1489.5	1502.3
120°	788.9	882.9	989.8	1097.3	1200.1	1287.7	1356.1	1398.4	1416.4	1430.5	1440.5
122.5°	716.1	798.8	887.2	988.7	1099.5	1187.3	1273.4	1317.8	1343.6	1362.5	1374.9
125°	645.1	714.8	788.4	870.3	955.4	1050.2	1133.7	1192.5	1236.4	1269.0	1291.0
127.5°	577.6	634.5	696.9	759.6	828.7	900.8	969.3	1037.0	1092.4	1135.9	1168.3
130°	513.1	559.0	610.7	661.3	717.2	775.3	832.8	889.7	939.6	982.2	1017.2
132.5°	453.4	491.1	530.5	571.9	619.6	665.4	712.0	757.6	799.1	836.0	867.4
135°	402.3	430.8	458.6	494.5	531.1	569.9	603.7	638.9	670.5	698.2	721.3
137.5°	357.2	377.6	400.9	427.8	453.7	479.4	508.2	534.7	558.5	579.1	596.3
140°	316.8	332.1	350.7	370.2	389.2	408.9	428.8	446.9	462.9	476.6	487.7
142.5°	281.4	293.1	306.5	319.6	332.2	346.9	361.1	374.0	385.4	395.0	402.6
145°	248.5	257.2	266.6	275.6	284.6	294.4	303.3	311.2	318.0	323.4	327.3
147.5°	220.6	226.1	231.3	236.0	241.8	248.1	253.7	258.4	262.2	265.0	266.5
150°	195.1	198.6	201.6	204.0	207.3	210.1	212.3	213.9	214.7	214.7	214.0
152.5°	172.4	174.6	175.9	177.3	178.8	179.8	180.2	180.1	179.3	178.0	176.1
155°	152.9	154.9	156.3	157.3	157.6	157.4	156.6	155.2	153.4	151.2	148.6
157.5°	137.1	138.2	139.4	140.5	141.1	141.2	140.9	140.2	139.1	137.7	136.3
160°	126.3	128.2	129.1	129.7	129.9	129.8	129.4	128.8	127.9	126.9	125.7
162.5°	113.1	115.1	116.9	118.5	119.9	121.0	121.9	122.6	123.1	123.4	123.8
165°	96.5	98.7	100.7	102.6	104.3	105.8	107.1	108.3	109.2	109.9	110.9
167.5°	78.2	80.0	81.6	83.1	84.4	85.6	86.6	87.4	88.1	88.5	89.2
170°	61.9	62.7	63.5	64.1	64.6	65.0	65.3	65.5	65.5	66.0	65.5
172.5°	45.4	46.3	47.1	47.8	48.4	48.9	49.2	49.5	49.7	50.2	49.9
175°	27.5	27.9	28.2	28.4	28.6	28.7	28.8	28.8	29.2	28.9	28.6
177.5°	12.9	13.0	13.1	13.1	13.1	13.1	13.5	13.3	13.2	13.0	12.8
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1.0	1.0
2.5°	12.7	12.5
5°	28.2	27.9
7.5°	49.5	49.1
10°	65.0	64.5
12.5°	88.8	88.5
15°	110.7	110.6
17.5°	123.5	123.1
20°	124.4	123.1
22.5°	134.1	131.8
25°	145.7	142.4
27.5°	173.8	170.3
30°	212.8	209.7
32.5°	267.5	265.5
35°	330.5	330.0
37.5°	409.2	410.8
40°	497.6	501.2
42.5°	611.8	618.5
45°	742.4	752.3
47.5°	896.3	911.0
50°	1048.5	1063.9
52.5°	1194.6	1203.4
55°	1307.2	1308.3
57.5°	1383.6	1381.4
60°	1448.5	1446.8
62.5°	1511.1	1515.1
65°	1559.7	1566.1
67.5°	1597.3	1598.8
70°	1633.7	1638.2
72.5°	1669.9	1675.8
75°	1697.9	1704.6
77.5°	1722.0	1728.7
80°	1741.3	1740.2
82.5°	1754.9	1757.5
85°	1755.7	1772.0
87.5°	1747.8	1776.8
90°	1748.9	1755.6
92.5°	1747.8	1776.8
95°	1755.7	1772.0
97.5°	1754.9	1757.5
100°	1741.3	1740.2
102.5°	1722.0	1728.7
105°	1697.9	1704.6
107.5°	1669.9	1675.8
110°	1633.7	1638.2





TEST NUMBER: P231976

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

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1597.3	1598.8
115°	1559.7	1566.1
117.5°	1511.1	1515.1
120°	1448.5	1446.8
122.5°	1383.6	1381.4
125°	1307.2	1308.3
127.5°	1194.6	1203.4
130°	1048.5	1063.9
132.5°	896.3	911.0
135°	742.4	752.3
137.5°	611.8	618.5
140°	497.6	501.2
142.5°	409.2	410.8
145°	330.5	330.0
147.5°	267.5	265.5
150°	212.8	209.7
152.5°	173.8	170.3
155°	145.7	142.4
157.5°	134.1	131.8
160°	124.4	123.1
162.5°	123.5	123.1
165°	110.7	110.6
167.5°	88.8	88.5
170°	65.0	64.5
172.5°	49.5	49.1
175°	28.2	27.9
177.5°	12.7	12.5
180°	1.0	1.0

(END OF REPORT)