

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: P231974

Luminaire Tested: **FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231974  
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-LD4-40-1STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
4FT LENGTH, 1-MODULE LED WITH PA187 LENS  
Light Source: (84) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

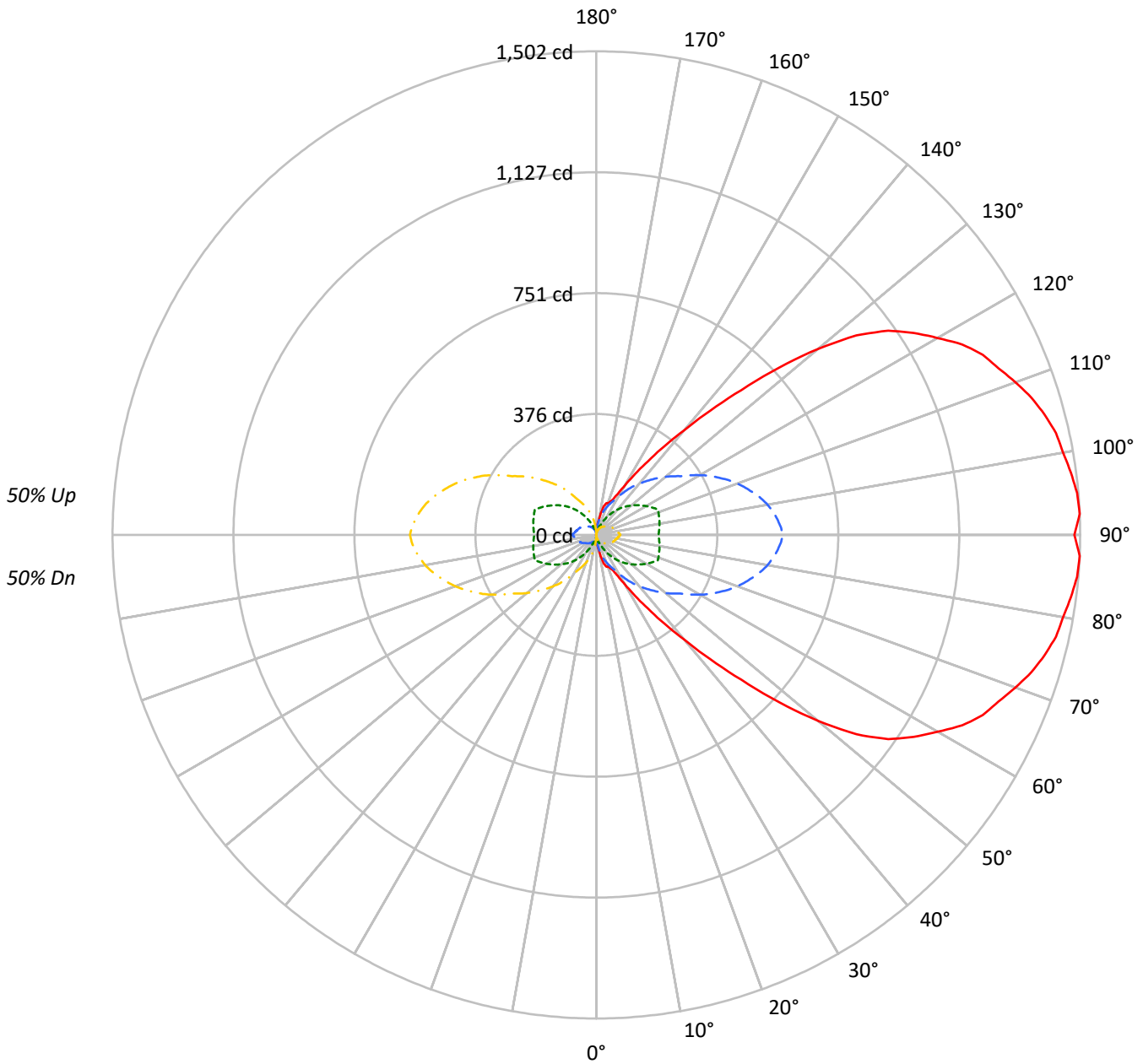
Lumens per Lamp: N/A  
Luminaire Lumens: 3501.3 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Spacing Criteria (0/90/45): 24.57 / 15.65 / 16.58  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 33.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot



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



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

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

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

	0°	90°	180°	270°
0°	12	12	12	12
5°	313	113	0	113
10°	648	215	0	215
15°	1013	321	0	321
20°	1044	432	0	432
25°	1131	663	0	663
30°	1580	1031	0	1031
35°	2379	1440	7	1440
40°	3491	1904	7	1904
45°	5106	2445	6	2445
50°	7094	3046	6	3046
55°	8636	3788	6	3788
60°	9528	4741	6	4741
65°	10368	6007	6	6007
70°	10988	7399	6	7399
75°	11674	9033	6	9033
80°	12271	11812	0	11812
85°	12978	17515	0	17515



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	11.2	0.3
20°-30°	29.7	0.8
30°-40°	68.9	2.0
40°-50°	138.0	3.9
50°-60°	246.1	7.0
60°-70°	355.4	10.2
70°-80°	430.7	12.3
80°-90°	469.2	13.4
90°-100°	469.2	13.4
100°-110°	430.7	12.3
110°-120°	355.4	10.2
120°-130°	246.1	7.0
130°-140°	138.0	3.9
140°-150°	68.9	2.0
150°-160°	29.7	0.8
160°-170°	11.2	0.3
170°-180°	1.5	0.0
0°-30°	42.4	1.2
0°-40°	111.3	3.2
0°-60°	495.4	14.1
0°-90°	1750.7	50.0
90°-120°	1255.3	35.9
90°-150°	1708.3	48.8
90°-180°	1751.0	50.0
0°-180°	3501.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	24	8	0	8	24	3
15°	94	21	0	21	94	26
25°	120	41	0	41	120	61
35°	279	82	1	82	279	184
45°	636	124	1	124	636	507
55°	1106	160	1	160	1106	979
65°	1324	197	1	197	1324	1306
75°	1441	202	1	202	1441	1520
85°	1498	196	0	196	1498	1217
90°	1484	193	0	193	1484	818
95°	1498	196	0	196	1498	1217
105°	1441	202	1	202	1441	1520
115°	1324	197	1	197	1324	1306
125°	1106	160	1	160	1106	979
135°	636	124	1	124	636	507
145°	279	82	1	82	279	184
155°	120	41	0	41	120	61
165°	94	21	0	21	94	26
175°	24	8	0	8	24	3
180°	0	0	0	0	0	



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CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	10.6	10.7	10.9	11.0	11.2	11.3	11.4	11.1	11.1	11.1	11.1
5°	23.6	23.9	24.2	24.4	24.7	24.4	24.4	24.3	24.2	24.0	23.8
7.5°	41.5	41.8	42.1	42.5	42.0	41.8	41.6	41.3	40.9	40.4	39.8
10°	54.5	54.9	55.3	55.7	55.4	55.3	55.2	54.9	54.6	54.2	53.6
12.5°	74.8	75.1	75.4	74.8	74.4	73.9	73.2	72.4	71.4	70.2	69.0
15°	93.5	93.6	93.7	92.9	92.3	91.5	90.6	89.5	88.2	86.7	85.2
17.5°	104.1	104.4	104.7	104.3	104.1	103.7	103.1	102.3	101.4	100.2	98.9
20°	104.1	105.2	106.3	107.3	108.2	108.9	109.4	109.8	109.8	109.7	109.2
22.5°	111.4	113.3	115.2	116.4	117.6	118.5	119.1	119.4	119.3	118.8	117.9
25°	120.3	123.1	125.5	127.7	129.6	131.2	132.3	133.0	133.2	132.9	132.1
27.5°	143.9	146.9	148.8	150.4	151.5	152.2	152.3	151.9	151.1	149.8	148.7
30°	177.3	179.9	180.9	181.5	181.5	180.8	179.5	177.6	175.3	172.4	170.4
32.5°	224.4	226.1	225.3	224.0	221.7	218.5	214.4	209.7	204.4	199.5	195.5
35°	278.9	279.3	276.6	273.3	268.8	263.1	256.4	248.8	240.5	233.0	225.4
37.5°	347.2	345.9	340.3	333.8	325.7	316.1	305.2	293.2	280.8	270.2	259.1
40°	423.7	420.7	412.3	402.9	391.3	377.8	362.5	345.6	329.0	313.0	296.5
42.5°	522.9	517.3	504.1	489.6	472.1	452.0	429.6	405.2	383.5	361.6	338.9
45°	635.9	627.5	609.7	590.2	566.8	540.1	510.4	481.8	449.0	418.0	387.6
47.5°	770.1	757.7	733.2	706.7	675.5	640.4	601.8	562.5	523.8	483.5	448.5
50°	899.4	886.4	860.0	830.3	794.3	752.1	704.0	655.3	606.3	559.0	516.3
52.5°	1017.3	1009.9	987.6	960.3	923.4	876.6	819.4	761.5	700.5	642.1	589.1
55°	1105.9	1105.0	1091.3	1072.7	1045.1	1008.0	958.3	887.8	807.7	735.7	666.4
57.5°	1167.7	1169.5	1162.2	1151.8	1135.8	1114.0	1076.5	1003.6	929.4	835.8	750.0
60°	1223.0	1224.4	1217.7	1209.2	1197.3	1182.1	1146.3	1088.5	1014.5	927.5	836.7
62.5°	1280.7	1277.4	1269.9	1259.1	1245.7	1230.3	1198.0	1149.6	1081.9	1002.3	908.6
65°	1323.8	1318.4	1309.8	1298.7	1285.8	1273.0	1249.5	1212.4	1147.2	1064.1	969.5
67.5°	1351.5	1350.2	1344.8	1334.1	1317.9	1306.6	1294.9	1269.0	1220.5	1134.9	1030.5
70°	1384.8	1381.0	1374.2	1365.4	1355.8	1340.3	1324.3	1309.0	1280.7	1207.9	1095.5
72.5°	1416.5	1411.5	1402.6	1390.4	1378.5	1365.4	1350.9	1334.6	1310.2	1248.7	1149.1
75°	1440.9	1435.3	1426.2	1413.3	1398.0	1383.4	1369.1	1355.4	1335.9	1281.1	1185.1
77.5°	1461.3	1455.6	1446.0	1428.8	1411.2	1395.1	1386.4	1374.9	1356.0	1314.6	1219.0
80°	1471.0	1471.9	1462.2	1439.5	1419.3	1408.8	1397.4	1392.9	1376.3	1345.9	1248.0
82.5°	1485.7	1483.4	1469.9	1451.7	1436.0	1423.9	1408.4	1400.8	1388.9	1357.1	1275.7
85°	1497.9	1484.2	1465.1	1461.5	1450.6	1438.0	1418.6	1404.2	1394.3	1364.3	1294.9
87.5°	1501.9	1477.5	1479.0	1467.5	1449.6	1440.1	1422.4	1408.1	1398.2	1369.6	1303.8
90°	1484.0	1478.3	1479.2	1462.1	1439.3	1437.7	1422.2	1411.7	1399.5	1370.2	1300.3
92.5°	1501.9	1477.5	1479.0	1467.5	1449.6	1440.1	1422.4	1408.1	1398.2	1369.6	1303.8
95°	1497.9	1484.2	1465.1	1461.5	1450.6	1438.0	1418.6	1404.2	1394.3	1364.3	1294.9
97.5°	1485.7	1483.4	1469.9	1451.7	1436.0	1423.9	1408.4	1400.8	1388.9	1357.1	1275.7
100°	1471.0	1471.9	1462.2	1439.5	1419.3	1408.8	1397.4	1392.9	1376.3	1345.9	1248.0
102.5°	1461.3	1455.6	1446.0	1428.8	1411.2	1395.1	1386.4	1374.9	1356.0	1314.6	1219.0
105°	1440.9	1435.3	1426.2	1413.3	1398.0	1383.4	1369.1	1355.4	1335.9	1281.1	1185.1
107.5°	1416.5	1411.5	1402.6	1390.4	1378.5	1365.4	1350.9	1334.6	1310.2	1248.7	1149.1
110°	1384.8	1381.0	1374.2	1365.4	1355.8	1340.3	1324.3	1309.0	1280.7	1207.9	1095.5



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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°	1351.5	1350.2	1344.8	1334.1	1317.9	1306.6	1294.9	1269.0	1220.5	1134.9	1030.5
115°	1323.8	1318.4	1309.8	1298.7	1285.8	1273.0	1249.5	1212.4	1147.2	1064.1	969.5
117.5°	1280.7	1277.4	1269.9	1259.1	1245.7	1230.3	1198.0	1149.6	1081.9	1002.3	908.6
120°	1223.0	1224.4	1217.7	1209.2	1197.3	1182.1	1146.3	1088.5	1014.5	927.5	836.7
122.5°	1167.7	1169.5	1162.2	1151.8	1135.8	1114.0	1076.5	1003.6	929.4	835.8	750.0
125°	1105.9	1105.0	1091.3	1072.7	1045.1	1008.0	958.3	887.8	807.7	735.7	666.4
127.5°	1017.3	1009.9	987.6	960.3	923.4	876.6	819.4	761.5	700.5	642.1	589.1
130°	899.4	886.4	860.0	830.3	794.3	752.1	704.0	655.3	606.3	559.0	516.3
132.5°	770.1	757.7	733.2	706.7	675.5	640.4	601.8	562.5	523.8	483.5	448.5
135°	635.9	627.5	609.7	590.2	566.8	540.1	510.4	481.8	449.0	418.0	387.6
137.5°	522.9	517.3	504.1	489.6	472.1	452.0	429.6	405.2	383.5	361.6	338.9
140°	423.7	420.7	412.3	402.9	391.3	377.8	362.5	345.6	329.0	313.0	296.5
142.5°	347.2	345.9	340.3	333.8	325.7	316.1	305.2	293.2	280.8	270.2	259.1
145°	278.9	279.3	276.6	273.3	268.8	263.1	256.4	248.8	240.5	233.0	225.4
147.5°	224.4	226.1	225.3	224.0	221.7	218.5	214.4	209.7	204.4	199.5	195.5
150°	177.3	179.9	180.9	181.5	181.5	180.8	179.5	177.6	175.3	172.4	170.4
152.5°	143.9	146.9	148.8	150.4	151.5	152.2	152.3	151.9	151.1	149.8	148.7
155°	120.3	123.1	125.5	127.7	129.6	131.2	132.3	133.0	133.2	132.9	132.1
157.5°	111.4	113.3	115.2	116.4	117.6	118.5	119.1	119.4	119.3	118.8	117.9
160°	104.1	105.2	106.3	107.3	108.2	108.9	109.4	109.8	109.8	109.7	109.2
162.5°	104.1	104.4	104.7	104.3	104.1	103.7	103.1	102.3	101.4	100.2	98.9
165°	93.5	93.6	93.7	92.9	92.3	91.5	90.6	89.5	88.2	86.7	85.2
167.5°	74.8	75.1	75.4	74.8	74.4	73.9	73.2	72.4	71.4	70.2	69.0
170°	54.5	54.9	55.3	55.7	55.4	55.3	55.2	54.9	54.6	54.2	53.6
172.5°	41.5	41.8	42.1	42.5	42.0	41.8	41.6	41.3	40.9	40.4	39.8
175°	23.6	23.9	24.2	24.4	24.7	24.4	24.4	24.3	24.2	24.0	23.8
177.5°	10.6	10.7	10.9	11.0	11.2	11.3	11.4	11.1	11.1	11.1	11.1
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	11.0	10.9	10.8	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.4
5°	23.6	23.3	22.9	22.6	22.1	21.6	21.1	20.5	19.9	19.2	18.5
7.5°	39.1	38.4	37.5	36.6	35.6	34.6	33.4	32.2	31.0	29.9	28.9
10°	53.0	52.3	51.5	50.6	49.6	48.5	47.2	45.6	43.9	42.1	40.3
12.5°	67.6	66.1	64.5	62.8	61.1	59.8	58.3	56.8	55.1	53.4	51.6
15°	83.4	81.6	79.6	77.5	75.2	72.9	70.5	68.0	65.4	63.2	61.1
17.5°	97.3	95.6	93.3	90.8	88.2	85.5	82.7	79.8	76.9	73.8	70.8
20°	108.4	106.8	104.7	102.3	99.7	96.9	93.8	90.5	87.2	83.8	80.4
22.5°	116.8	115.9	114.6	112.8	110.5	107.5	104.1	100.4	96.6	92.8	89.0
25°	130.9	129.3	127.0	124.2	121.4	118.4	114.8	110.7	106.3	101.6	97.2
27.5°	147.5	145.7	143.2	140.1	136.5	132.2	127.9	122.6	117.1	111.3	105.7
30°	167.9	164.9	162.0	158.3	154.1	149.1	143.6	137.3	131.1	125.8	120.2
32.5°	191.1	186.5	182.4	178.1	173.5	168.2	161.9	155.3	148.7	141.9	135.7
35°	217.4	210.0	204.4	198.6	192.9	187.0	180.7	173.6	166.0	158.6	151.0
37.5°	247.7	237.9	228.5	220.3	212.8	205.5	198.4	191.1	183.3	174.9	166.6
40°	280.7	267.8	255.6	244.8	234.4	224.8	216.5	208.0	199.8	191.0	181.8
42.5°	319.2	302.0	285.3	271.7	259.1	246.5	234.9	225.4	215.8	206.6	197.0
45°	364.1	340.0	319.6	300.1	283.8	268.8	255.6	242.8	232.3	221.7	211.6
47.5°	415.2	383.2	356.7	331.6	310.7	292.0	276.2	262.1	248.7	237.1	225.8
50°	472.5	433.7	396.4	366.4	339.6	316.6	297.0	280.7	266.1	252.4	240.0
52.5°	536.4	488.3	442.8	403.0	369.8	341.9	318.4	299.1	283.5	268.0	257.4
55°	604.2	545.3	492.8	443.3	401.7	367.9	339.5	317.8	302.8	289.6	279.0
57.5°	675.2	605.3	542.8	487.0	436.3	394.5	367.1	344.7	325.3	310.4	298.7
60°	746.3	666.9	593.8	528.9	476.3	431.8	396.1	371.4	349.7	331.5	317.5
62.5°	814.8	724.7	646.4	578.2	517.9	466.6	426.8	397.3	374.3	352.0	335.5
65°	870.7	782.9	699.6	624.4	559.0	502.3	455.4	420.0	397.9	374.1	354.8
67.5°	930.0	837.9	749.8	668.0	595.7	533.3	482.6	444.4	418.7	396.2	373.4
70°	987.0	886.2	796.1	705.6	629.7	564.1	509.0	466.2	437.0	417.5	391.4
72.5°	1034.5	928.4	830.7	740.0	658.3	589.7	531.0	485.9	453.4	436.3	409.1
75°	1071.8	962.9	860.3	767.1	680.2	610.9	551.8	504.9	471.8	450.0	423.1
77.5°	1094.8	987.2	883.4	790.9	704.6	632.2	572.3	523.9	488.6	463.8	436.9
80°	1120.9	1010.7	910.0	813.5	725.2	649.0	588.7	539.8	503.7	477.4	450.3
82.5°	1146.9	1030.8	929.7	830.0	740.3	661.3	601.3	552.9	517.2	490.8	463.1
85°	1159.6	1042.8	942.2	840.3	750.1	669.5	610.5	563.6	529.2	503.6	475.0
87.5°	1160.1	1050.7	951.1	847.5	757.1	675.3	617.8	572.9	540.5	516.3	486.5
90°	1149.8	1043.3	945.7	843.3	754.6	674.9	620.5	579.0	549.7	526.9	495.2
92.5°	1160.1	1050.7	951.1	847.5	757.1	675.3	617.8	572.9	540.5	516.3	486.5
95°	1159.6	1042.8	942.2	840.3	750.1	669.5	610.5	563.6	529.2	503.6	475.0
97.5°	1146.9	1030.8	929.7	830.0	740.3	661.3	601.3	552.9	517.2	490.8	463.1
100°	1120.9	1010.7	910.0	813.5	725.2	649.0	588.7	539.8	503.7	477.4	450.3
102.5°	1094.8	987.2	883.4	790.9	704.6	632.2	572.3	523.9	488.6	463.8	436.9
105°	1071.8	962.9	860.3	767.1	680.2	610.9	551.8	504.9	471.8	450.0	423.1
107.5°	1034.5	928.4	830.7	740.0	658.3	589.7	531.0	485.9	453.4	436.3	409.1
110°	987.0	886.2	796.1	705.6	629.7	564.1	509.0	466.2	437.0	417.5	391.4





TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	930.0	837.9	749.8	668.0	595.7	533.3	482.6	444.4	418.7	396.2	373.4
115°	870.7	782.9	699.6	624.4	559.0	502.3	455.4	420.0	397.9	374.1	354.8
117.5°	814.8	724.7	646.4	578.2	517.9	466.6	426.8	397.3	374.3	352.0	335.5
120°	746.3	666.9	593.8	528.9	476.3	431.8	396.1	371.4	349.7	331.5	317.5
122.5°	675.2	605.3	542.8	487.0	436.3	394.5	367.1	344.7	325.3	310.4	298.7
125°	604.2	545.3	492.8	443.3	401.7	367.9	339.5	317.8	302.8	289.6	279.0
127.5°	536.4	488.3	442.8	403.0	369.8	341.9	318.4	299.1	283.5	268.0	257.4
130°	472.5	433.7	396.4	366.4	339.6	316.6	297.0	280.7	266.1	252.4	240.0
132.5°	415.2	383.2	356.7	331.6	310.7	292.0	276.2	262.1	248.7	237.1	225.8
135°	364.1	340.0	319.6	300.1	283.8	268.8	255.6	242.8	232.3	221.7	211.6
137.5°	319.2	302.0	285.3	271.7	259.1	246.5	234.9	225.4	215.8	206.6	197.0
140°	280.7	267.8	255.6	244.8	234.4	224.8	216.5	208.0	199.8	191.0	181.8
142.5°	247.7	237.9	228.5	220.3	212.8	205.5	198.4	191.1	183.3	174.9	166.6
145°	217.4	210.0	204.4	198.6	192.9	187.0	180.7	173.6	166.0	158.6	151.0
147.5°	191.1	186.5	182.4	178.1	173.5	168.2	161.9	155.3	148.7	141.9	135.7
150°	167.9	164.9	162.0	158.3	154.1	149.1	143.6	137.3	131.1	125.8	120.2
152.5°	147.5	145.7	143.2	140.1	136.5	132.2	127.9	122.6	117.1	111.3	105.7
155°	130.9	129.3	127.0	124.2	121.4	118.4	114.8	110.7	106.3	101.6	97.2
157.5°	116.8	115.9	114.6	112.8	110.5	107.5	104.1	100.4	96.6	92.8	89.0
160°	108.4	106.8	104.7	102.3	99.7	96.9	93.8	90.5	87.2	83.8	80.4
162.5°	97.3	95.6	93.3	90.8	88.2	85.5	82.7	79.8	76.9	73.8	70.8
165°	83.4	81.6	79.6	77.5	75.2	72.9	70.5	68.0	65.4	63.2	61.1
167.5°	67.6	66.1	64.5	62.8	61.1	59.8	58.3	56.8	55.1	53.4	51.6
170°	53.0	52.3	51.5	50.6	49.6	48.5	47.2	45.6	43.9	42.1	40.3
172.5°	39.1	38.4	37.5	36.6	35.6	34.6	33.4	32.2	31.0	29.9	28.9
175°	23.6	23.3	22.9	22.6	22.1	21.6	21.1	20.5	19.9	19.2	18.5
177.5°	11.0	10.9	10.8	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.4
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: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	9.1	8.8	8.6	8.3	7.9	7.6	7.3	6.9	6.5	6.2	5.8
5°	17.8	17.0	16.2	15.6	15.0	14.3	13.7	13.0	12.2	11.5	10.7
7.5°	27.8	26.6	25.4	24.1	22.8	21.5	20.1	18.9	17.9	16.8	15.6
10°	38.4	36.5	34.6	32.8	31.0	29.2	27.4	25.5	23.5	22.0	20.5
12.5°	49.3	46.9	44.5	42.0	39.4	37.0	34.7	32.3	29.9	27.4	25.3
15°	58.8	56.4	54.2	50.9	48.0	44.9	41.9	39.0	36.1	33.2	30.2
17.5°	68.1	65.0	62.1	59.1	56.0	52.6	49.2	45.7	42.3	38.9	35.4
20°	77.0	73.6	70.1	66.8	63.3	59.7	56.0	52.2	48.4	44.6	40.6
22.5°	85.2	81.5	77.9	74.2	70.4	66.4	62.3	58.3	54.3	50.2	45.8
25°	92.7	88.6	84.6	80.9	78.2	75.1	71.6	68.0	64.4	60.7	56.5
27.5°	101.5	98.4	95.6	92.9	90.2	87.4	83.9	80.1	76.2	72.2	67.9
30°	115.6	111.2	107.5	104.6	101.7	98.8	95.7	91.9	88.2	83.6	79.3
32.5°	129.5	124.3	119.6	115.9	112.9	109.9	106.8	103.3	99.3	94.9	90.3
35°	144.1	137.3	131.9	127.1	123.6	120.6	117.6	114.6	110.3	106.1	101.2
37.5°	158.4	150.9	143.8	138.5	134.1	130.9	128.0	124.8	121.1	117.0	112.1
40°	172.9	164.2	156.5	149.4	144.6	140.8	138.0	135.0	131.6	127.6	122.8
42.5°	187.0	177.7	168.7	160.9	154.9	150.2	147.6	144.8	141.8	138.0	133.4
45°	201.1	190.6	181.1	172.4	164.6	160.1	156.8	154.4	151.5	148.1	143.9
47.5°	214.7	203.6	193.2	183.9	175.2	170.9	169.9	170.1	170.0	168.6	165.0
50°	228.1	217.0	209.7	204.0	199.3	195.6	193.7	193.3	193.6	193.4	188.7
52.5°	248.7	241.4	234.8	229.3	224.6	220.6	218.1	216.6	216.7	218.7	212.4
55°	270.5	264.1	258.5	253.4	249.4	245.8	242.6	240.0	239.1	243.1	236.5
57.5°	290.3	284.9	281.0	276.6	273.5	270.5	267.2	263.6	261.5	266.7	260.8
60°	308.1	304.0	301.4	298.8	296.6	294.6	291.8	287.4	284.7	289.8	285.4
62.5°	325.7	321.7	320.6	319.9	319.0	318.3	316.4	311.6	307.9	312.6	310.1
65°	342.5	337.8	338.5	340.0	340.6	341.3	340.3	335.8	331.3	335.0	335.0
67.5°	358.1	352.3	355.2	359.0	361.5	363.6	364.0	360.0	354.6	357.3	360.0
70°	373.2	367.1	370.9	375.9	378.4	379.6	379.0	374.9	369.2	368.4	366.8
72.5°	387.2	377.0	377.1	381.0	384.1	385.7	385.8	383.6	380.1	378.0	371.4
75°	397.7	384.6	382.5	386.0	389.7	391.9	392.5	391.8	390.5	388.6	376.4
77.5°	407.6	392.0	388.2	391.1	395.2	397.9	398.9	399.4	400.7	400.0	381.7
80°	416.9	399.2	394.1	396.3	400.7	404.0	405.3	406.6	410.7	411.9	387.2
82.5°	425.4	406.2	400.1	401.6	406.1	410.1	411.6	413.6	420.5	424.2	394.5
85°	433.3	413.0	406.3	407.0	411.6	416.2	417.7	420.2	430.1	437.4	398.8
87.5°	440.9	419.8	412.5	412.4	417.1	422.3	423.9	427.2	439.9	449.3	403.1
90°	447.2	426.1	418.8	418.0	422.8	428.5	430.2	434.2	449.7	461.1	407.4
92.5°	440.9	419.8	412.5	412.4	417.1	422.3	423.9	427.2	439.9	449.3	403.1
95°	433.3	413.0	406.3	407.0	411.6	416.2	417.7	420.2	430.1	437.4	398.8
97.5°	425.4	406.2	400.1	401.6	406.1	410.1	411.6	413.6	420.5	424.2	394.5
100°	416.9	399.2	394.1	396.3	400.7	404.0	405.3	406.6	410.7	411.9	387.2
102.5°	407.6	392.0	388.2	391.1	395.2	397.9	398.9	399.4	400.7	400.0	381.7
105°	397.7	384.6	382.5	386.0	389.7	391.9	392.5	391.8	390.5	388.6	376.4
107.5°	387.2	377.0	377.1	381.0	384.1	385.7	385.8	383.6	380.1	378.0	371.4
110°	373.2	367.1	370.9	375.9	378.4	379.6	379.0	374.9	369.2	368.4	366.8



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	358.1	352.3	355.2	359.0	361.5	363.6	364.0	360.0	354.6	357.3	360.0
115°	342.5	337.8	338.5	340.0	340.6	341.3	340.3	335.8	331.3	335.0	335.0
117.5°	325.7	321.7	320.6	319.9	319.0	318.3	316.4	311.6	307.9	312.6	310.1
120°	308.1	304.0	301.4	298.8	296.6	294.6	291.8	287.4	284.7	289.8	285.4
122.5°	290.3	284.9	281.0	276.6	273.5	270.5	267.2	263.6	261.5	266.7	260.8
125°	270.5	264.1	258.5	253.4	249.4	245.8	242.6	240.0	239.1	243.1	236.5
127.5°	248.7	241.4	234.8	229.3	224.6	220.6	218.1	216.6	216.7	218.7	212.4
130°	228.1	217.0	209.7	204.0	199.3	195.6	193.7	193.3	193.6	193.4	188.7
132.5°	214.7	203.6	193.2	183.9	175.2	170.9	169.9	170.1	170.0	168.6	165.0
135°	201.1	190.6	181.1	172.4	164.6	160.1	156.8	154.4	151.5	148.1	143.9
137.5°	187.0	177.7	168.7	160.9	154.9	150.2	147.6	144.8	141.8	138.0	133.4
140°	172.9	164.2	156.5	149.4	144.6	140.8	138.0	135.0	131.6	127.6	122.8
142.5°	158.4	150.9	143.8	138.5	134.1	130.9	128.0	124.8	121.1	117.0	112.1
145°	144.1	137.3	131.9	127.1	123.6	120.6	117.6	114.6	110.3	106.1	101.2
147.5°	129.5	124.3	119.6	115.9	112.9	109.9	106.8	103.3	99.3	94.9	90.3
150°	115.6	111.2	107.5	104.6	101.7	98.8	95.7	91.9	88.2	83.6	79.3
152.5°	101.5	98.4	95.6	92.9	90.2	87.4	83.9	80.1	76.2	72.2	67.9
155°	92.7	88.6	84.6	80.9	78.2	75.1	71.6	68.0	64.4	60.7	56.5
157.5°	85.2	81.5	77.9	74.2	70.4	66.4	62.3	58.3	54.3	50.2	45.8
160°	77.0	73.6	70.1	66.8	63.3	59.7	56.0	52.2	48.4	44.6	40.6
162.5°	68.1	65.0	62.1	59.1	56.0	52.6	49.2	45.7	42.3	38.9	35.4
165°	58.8	56.4	54.2	50.9	48.0	44.9	41.9	39.0	36.1	33.2	30.2
167.5°	49.3	46.9	44.5	42.0	39.4	37.0	34.7	32.3	29.9	27.4	25.3
170°	38.4	36.5	34.6	32.8	31.0	29.2	27.4	25.5	23.5	22.0	20.5
172.5°	27.8	26.6	25.4	24.1	22.8	21.5	20.1	18.9	17.9	16.8	15.6
175°	17.8	17.0	16.2	15.6	15.0	14.3	13.7	13.0	12.2	11.5	10.7
177.5°	9.1	8.8	8.6	8.3	7.9	7.6	7.3	6.9	6.5	6.2	5.8
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: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.4	5.0	4.6	4.1	4.1	4.1	4.0	3.9	3.9	3.8	3.7
5°	9.9	9.1	8.3	7.5	7.4	7.3	7.2	7.0	6.9	6.8	6.6
7.5°	14.5	13.3	12.1	10.8	10.7	10.5	10.3	10.1	9.9	9.7	9.4
10°	19.0	17.4	15.8	14.2	14.0	13.7	13.5	13.2	12.9	12.6	12.5
12.5°	23.4	21.5	19.5	17.5	17.2	16.9	16.6	16.2	15.9	15.9	15.8
15°	27.8	25.6	23.2	20.9	20.5	20.1	19.7	19.2	19.2	19.2	19.1
17.5°	32.2	29.6	26.9	24.2	23.8	23.3	22.7	22.6	22.6	22.5	22.4
20°	36.6	33.6	30.6	27.6	27.0	26.4	25.8	25.9	26.0	25.9	25.6
22.5°	41.3	37.6	34.3	30.9	30.3	29.6	29.2	29.3	29.4	29.2	28.8
25°	52.1	48.0	44.7	41.2	40.7	40.1	39.8	39.7	39.1	37.9	36.5
27.5°	63.2	58.5	55.1	51.5	51.3	51.0	51.1	51.1	50.1	48.5	46.4
30°	74.2	69.0	65.5	61.8	62.0	61.9	62.5	62.8	60.8	58.7	55.6
32.5°	85.1	79.6	75.8	72.1	72.7	73.1	74.0	73.8	71.3	68.2	64.0
35°	95.9	90.3	86.1	82.4	83.4	84.4	85.6	84.6	81.6	76.9	71.7
37.5°	106.7	100.8	96.4	92.7	94.3	95.7	97.3	95.2	91.8	85.1	78.3
40°	117.3	111.3	106.6	103.0	105.1	107.1	109.0	105.7	100.4	92.7	84.2
42.5°	127.9	121.7	116.8	113.3	116.0	118.5	120.8	116.0	108.9	100.1	89.5
45°	138.3	132.1	127.0	123.6	126.9	130.0	131.5	126.2	116.9	106.0	94.1
47.5°	157.2	148.0	139.3	132.8	133.2	134.3	133.8	128.2	118.4	107.5	96.0
50°	177.7	164.6	151.9	142.0	139.2	137.9	135.0	128.1	117.7	106.4	95.6
52.5°	198.9	181.8	164.7	151.2	145.0	141.2	136.0	127.7	117.1	105.7	95.8
55°	220.6	199.4	177.7	160.4	150.5	144.2	137.0	127.5	116.6	105.4	96.4
57.5°	243.0	217.4	190.8	169.7	155.8	147.0	137.8	127.3	116.4	105.6	97.5
60°	265.8	235.7	204.1	178.9	161.0	149.5	138.5	127.3	116.4	106.6	99.4
62.5°	289.0	254.3	217.6	188.1	166.0	151.8	139.1	127.4	116.7	107.8	102.4
65°	312.6	273.2	231.1	197.3	170.9	153.9	139.7	127.7	117.3	109.5	105.9
67.5°	336.4	292.3	244.7	206.5	175.7	155.9	140.2	128.0	118.1	111.4	109.8
70°	338.6	292.3	244.1	205.0	174.4	154.7	138.9	126.8	117.4	111.4	111.1
72.5°	339.0	291.5	243.2	203.4	173.2	153.4	137.5	125.6	116.4	110.6	110.6
75°	339.2	290.5	243.7	201.9	172.1	152.1	136.1	124.4	115.5	109.9	109.9
77.5°	339.1	289.2	242.2	200.4	171.0	151.0	134.9	123.4	114.7	109.2	109.1
80°	338.8	289.2	240.8	198.8	170.0	149.9	133.8	122.4	114.0	108.5	108.2
82.5°	339.7	286.8	239.3	197.3	169.1	148.9	132.7	121.5	113.4	107.9	107.2
85°	338.1	284.4	237.9	195.8	168.3	148.0	131.7	120.8	112.9	107.4	106.2
87.5°	336.6	282.1	236.4	194.2	167.4	147.2	130.9	120.1	112.5	106.9	105.1
90°	335.0	279.7	235.0	192.7	166.7	146.4	130.1	119.5	112.2	106.5	104.1
92.5°	336.6	282.1	236.4	194.2	167.4	147.2	130.9	120.1	112.5	106.9	105.1
95°	338.1	284.4	237.9	195.8	168.3	148.0	131.7	120.8	112.9	107.4	106.2
97.5°	339.7	286.8	239.3	197.3	169.1	148.9	132.7	121.5	113.4	107.9	107.2
100°	338.8	289.2	240.8	198.8	170.0	149.9	133.8	122.4	114.0	108.5	108.2
102.5°	339.1	289.2	242.2	200.4	171.0	151.0	134.9	123.4	114.7	109.2	109.1
105°	339.2	290.5	243.7	201.9	172.1	152.1	136.1	124.4	115.5	109.9	109.9
107.5°	339.0	291.5	243.2	203.4	173.2	153.4	137.5	125.6	116.4	110.6	110.6
110°	338.6	292.3	244.1	205.0	174.4	154.7	138.9	126.8	117.4	111.4	111.1



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	336.4	292.3	244.7	206.5	175.7	155.9	140.2	128.0	118.1	111.4	109.8
115°	312.6	273.2	231.1	197.3	170.9	153.9	139.7	127.7	117.3	109.5	105.9
117.5°	289.0	254.3	217.6	188.1	166.0	151.8	139.1	127.4	116.7	107.8	102.4
120°	265.8	235.7	204.1	178.9	161.0	149.5	138.5	127.3	116.4	106.6	99.4
122.5°	243.0	217.4	190.8	169.7	155.8	147.0	137.8	127.3	116.4	105.6	97.5
125°	220.6	199.4	177.7	160.4	150.5	144.2	137.0	127.5	116.6	105.4	96.4
127.5°	198.9	181.8	164.7	151.2	145.0	141.2	136.0	127.7	117.1	105.7	95.8
130°	177.7	164.6	151.9	142.0	139.2	137.9	135.0	128.1	117.7	106.4	95.6
132.5°	157.2	148.0	139.3	132.8	133.2	134.3	133.8	128.2	118.4	107.5	96.0
135°	138.3	132.1	127.0	123.6	126.9	130.0	131.5	126.2	116.9	106.0	94.1
137.5°	127.9	121.7	116.8	113.3	116.0	118.5	120.8	116.0	108.9	100.1	89.5
140°	117.3	111.3	106.6	103.0	105.1	107.1	109.0	105.7	100.4	92.7	84.2
142.5°	106.7	100.8	96.4	92.7	94.3	95.7	97.3	95.2	91.8	85.1	78.3
145°	95.9	90.3	86.1	82.4	83.4	84.4	85.6	84.6	81.6	76.9	71.7
147.5°	85.1	79.6	75.8	72.1	72.7	73.1	74.0	73.8	71.3	68.2	64.0
150°	74.2	69.0	65.5	61.8	62.0	61.9	62.5	62.8	60.8	58.7	55.6
152.5°	63.2	58.5	55.1	51.5	51.3	51.0	51.1	51.1	50.1	48.5	46.4
155°	52.1	48.0	44.7	41.2	40.7	40.1	39.8	39.7	39.1	37.9	36.5
157.5°	41.3	37.6	34.3	30.9	30.3	29.6	29.2	29.3	29.4	29.2	28.8
160°	36.6	33.6	30.6	27.6	27.0	26.4	25.8	25.9	26.0	25.9	25.6
162.5°	32.2	29.6	26.9	24.2	23.8	23.3	22.7	22.6	22.6	22.5	22.4
165°	27.8	25.6	23.2	20.9	20.5	20.1	19.7	19.2	19.2	19.2	19.1
167.5°	23.4	21.5	19.5	17.5	17.2	16.9	16.6	16.2	15.9	15.9	15.8
170°	19.0	17.4	15.8	14.2	14.0	13.7	13.5	13.2	12.9	12.6	12.5
172.5°	14.5	13.3	12.1	10.8	10.7	10.5	10.3	10.1	9.9	9.7	9.4
175°	9.9	9.1	8.3	7.5	7.4	7.3	7.2	7.0	6.9	6.8	6.6
177.5°	5.4	5.0	4.6	4.1	4.1	4.1	4.0	3.9	3.9	3.8	3.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.6	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.7	2.6
5°	6.4	6.2	6.1	5.9	5.6	5.5	5.4	5.2	5.0	4.9	4.7
7.5°	9.2	9.1	8.9	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.1
10°	12.4	12.2	12.0	11.8	11.6	11.3	11.0	10.7	10.3	9.9	9.5
12.5°	15.6	15.4	15.2	14.9	14.5	14.2	13.8	13.3	12.9	12.4	11.9
15°	18.9	18.6	18.3	17.9	17.5	17.0	16.6	16.1	15.5	14.9	14.3
17.5°	22.1	21.7	21.3	20.9	20.4	19.9	19.4	18.7	17.9	17.2	16.4
20°	25.3	24.9	24.4	23.9	23.4	22.7	21.9	21.1	20.2	19.4	18.5
22.5°	28.5	28.0	27.5	26.9	26.1	25.3	24.4	23.4	22.5	21.5	20.7
25°	34.9	33.2	31.5	29.7	28.7	27.8	26.8	25.7	24.9	24.0	23.1
27.5°	44.0	41.6	38.9	36.3	34.0	31.8	29.9	28.4	27.5	26.4	25.1
30°	52.4	48.7	45.2	42.0	39.0	36.5	34.4	32.5	30.5	28.6	27.0
32.5°	59.5	54.8	50.5	46.6	43.2	40.5	37.9	35.4	33.1	31.1	29.3
35°	65.7	60.0	55.0	50.5	46.9	43.5	40.4	37.6	35.3	33.1	30.8
37.5°	71.1	64.6	58.6	54.0	49.7	45.8	42.5	39.7	37.1	34.6	32.3
40°	75.8	68.4	62.1	56.7	52.0	47.7	44.5	41.4	38.5	36.0	33.9
42.5°	80.1	71.5	65.0	59.0	53.6	49.7	46.1	42.8	40.0	37.6	35.5
45°	83.8	74.8	67.3	60.9	55.5	51.3	47.6	44.3	41.6	39.2	37.0
47.5°	85.9	77.4	69.5	62.3	57.3	52.9	49.0	45.9	43.2	40.8	38.5
50°	86.1	79.0	72.3	66.0	60.4	54.7	50.7	47.5	44.9	42.5	40.2
52.5°	87.7	81.6	76.3	71.6	66.7	61.2	55.9	51.0	46.7	44.4	41.6
55°	90.1	85.5	81.7	78.1	73.5	68.0	62.2	56.9	52.1	47.6	43.4
57.5°	93.1	90.4	88.1	85.2	80.8	74.5	68.3	62.4	56.9	51.5	47.2
60°	96.9	96.2	95.1	92.6	87.7	80.9	73.9	67.3	60.9	55.1	50.2
62.5°	101.5	102.7	102.8	100.3	94.5	86.9	79.2	71.8	64.4	58.4	52.6
65°	107.0	109.8	111.0	108.5	101.2	92.7	84.1	75.6	67.8	61.1	54.4
67.5°	113.0	117.3	118.9	116.3	107.9	98.3	88.7	79.2	70.9	63.3	56.1
70°	115.9	121.8	125.0	122.9	114.2	103.7	93.0	82.5	73.8	65.3	57.6
72.5°	115.1	120.8	124.1	122.0	115.1	106.0	95.8	85.5	76.4	67.1	58.9
75°	114.1	119.8	123.5	121.8	116.0	107.5	97.4	87.6	78.2	68.9	60.6
77.5°	112.8	118.9	123.1	122.1	117.5	109.3	99.5	89.9	80.4	71.0	62.5
80°	111.3	117.9	122.8	122.9	119.6	111.5	102.0	92.6	82.8	73.2	64.5
82.5°	109.7	116.8	122.7	124.1	122.1	114.1	104.9	95.6	85.6	75.8	66.6
85°	107.9	115.6	122.5	125.5	124.9	117.0	108.1	98.9	88.7	78.6	69.0
87.5°	106.0	114.4	122.3	127.0	127.9	120.2	111.7	102.6	92.2	81.8	71.7
90°	104.1	113.0	122.0	128.5	130.9	123.6	115.5	106.5	96.0	85.4	74.8
92.5°	106.0	114.4	122.3	127.0	127.9	120.2	111.7	102.6	92.2	81.8	71.7
95°	107.9	115.6	122.5	125.5	124.9	117.0	108.1	98.9	88.7	78.6	69.0
97.5°	109.7	116.8	122.7	124.1	122.1	114.1	104.9	95.6	85.6	75.8	66.6
100°	111.3	117.9	122.8	122.9	119.6	111.5	102.0	92.6	82.8	73.2	64.5
102.5°	112.8	118.9	123.1	122.1	117.5	109.3	99.5	89.9	80.4	71.0	62.5
105°	114.1	119.8	123.5	121.8	116.0	107.5	97.4	87.6	78.2	68.9	60.6
107.5°	115.1	120.8	124.1	122.0	115.1	106.0	95.8	85.5	76.4	67.1	58.9
110°	115.9	121.8	125.0	122.9	114.2	103.7	93.0	82.5	73.8	65.3	57.6



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	113.0	117.3	118.9	116.3	107.9	98.3	88.7	79.2	70.9	63.3	56.1
115°	107.0	109.8	111.0	108.5	101.2	92.7	84.1	75.6	67.8	61.1	54.4
117.5°	101.5	102.7	102.8	100.3	94.5	86.9	79.2	71.8	64.4	58.4	52.6
120°	96.9	96.2	95.1	92.6	87.7	80.9	73.9	67.3	60.9	55.1	50.2
122.5°	93.1	90.4	88.1	85.2	80.8	74.5	68.3	62.4	56.9	51.5	47.2
125°	90.1	85.5	81.7	78.1	73.5	68.0	62.2	56.9	52.1	47.6	43.4
127.5°	87.7	81.6	76.3	71.6	66.7	61.2	55.9	51.0	46.7	44.4	41.6
130°	86.1	79.0	72.3	66.0	60.4	54.7	50.7	47.5	44.9	42.5	40.2
132.5°	85.9	77.4	69.5	62.3	57.3	52.9	49.0	45.9	43.2	40.8	38.5
135°	83.8	74.8	67.3	60.9	55.5	51.3	47.6	44.3	41.6	39.2	37.0
137.5°	80.1	71.5	65.0	59.0	53.6	49.7	46.1	42.8	40.0	37.6	35.5
140°	75.8	68.4	62.1	56.7	52.0	47.7	44.5	41.4	38.5	36.0	33.9
142.5°	71.1	64.6	58.6	54.0	49.7	45.8	42.5	39.7	37.1	34.6	32.3
145°	65.7	60.0	55.0	50.5	46.9	43.5	40.4	37.6	35.3	33.1	30.8
147.5°	59.5	54.8	50.5	46.6	43.2	40.5	37.9	35.4	33.1	31.1	29.3
150°	52.4	48.7	45.2	42.0	39.0	36.5	34.4	32.5	30.5	28.6	27.0
152.5°	44.0	41.6	38.9	36.3	34.0	31.8	29.9	28.4	27.5	26.4	25.1
155°	34.9	33.2	31.5	29.7	28.7	27.8	26.8	25.7	24.9	24.0	23.1
157.5°	28.5	28.0	27.5	26.9	26.1	25.3	24.4	23.4	22.5	21.5	20.7
160°	25.3	24.9	24.4	23.9	23.4	22.7	21.9	21.1	20.2	19.4	18.5
162.5°	22.1	21.7	21.3	20.9	20.4	19.9	19.4	18.7	17.9	17.2	16.4
165°	18.9	18.6	18.3	17.9	17.5	17.0	16.6	16.1	15.5	14.9	14.3
167.5°	15.6	15.4	15.2	14.9	14.5	14.2	13.8	13.3	12.9	12.4	11.9
170°	12.4	12.2	12.0	11.8	11.6	11.3	11.0	10.7	10.3	9.9	9.5
172.5°	9.2	9.1	8.9	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.1
175°	6.4	6.2	6.1	5.9	5.6	5.5	5.4	5.2	5.0	4.9	4.7
177.5°	3.6	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.7	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: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.4	2.3	2.2	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.0
5°	4.5	4.3	4.0	3.8	3.6	3.3	3.1	2.8	2.6	2.3	2.0
7.5°	6.8	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.9	3.4	3.0
10°	9.1	8.7	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.1
12.5°	11.4	10.8	10.3	9.7	9.0	8.4	7.7	7.1	6.4	5.7	5.0
15°	13.6	12.9	12.1	11.4	10.7	9.9	9.1	8.3	7.5	6.7	5.9
17.5°	15.6	14.8	13.9	13.1	12.2	11.3	10.5	9.6	8.7	7.8	6.9
20°	17.6	16.7	15.8	14.9	14.0	13.1	12.1	11.0	9.9	8.8	7.8
22.5°	19.8	18.9	17.9	16.8	15.6	14.5	13.3	12.1	11.0	9.8	8.6
25°	22.0	20.8	19.5	18.3	17.1	15.8	14.6	13.3	11.9	10.6	9.2
27.5°	23.8	22.5	21.2	19.9	18.4	16.9	15.5	14.0	12.6	11.2	9.8
30°	25.6	24.3	22.6	20.9	19.3	17.9	16.4	15.0	13.5	12.0	10.5
32.5°	27.3	25.4	23.7	22.2	20.6	19.1	17.6	16.0	14.4	12.8	11.3
35°	28.7	26.9	25.2	23.6	21.9	20.3	18.5	16.8	15.1	13.5	11.9
37.5°	30.3	28.5	26.7	24.9	22.9	21.0	19.1	17.4	15.8	14.1	12.3
40°	31.9	30.0	28.0	25.8	23.7	21.8	20.0	18.1	16.1	14.3	12.5
42.5°	33.4	31.2	29.0	26.9	24.9	22.7	20.4	18.3	16.6	14.8	13.0
45°	34.8	32.5	30.3	28.0	25.7	23.4	21.2	19.1	17.2	15.4	13.5
47.5°	36.2	33.8	31.4	29.1	26.7	24.4	22.2	20.0	17.8	15.6	13.5
50°	37.6	35.1	32.7	30.2	27.7	25.3	22.9	20.4	17.9	15.7	13.8
52.5°	39.0	36.6	33.9	31.2	28.6	26.0	23.3	20.8	18.5	16.3	14.2
55°	40.7	37.8	34.9	32.2	29.3	26.5	23.9	21.4	19.1	16.8	14.6
57.5°	43.0	39.1	36.0	33.0	30.0	27.2	24.5	21.9	19.3	17.0	14.6
60°	45.3	41.0	37.2	33.9	30.8	27.8	25.0	22.0	19.3	16.7	14.4
62.5°	47.2	42.5	38.4	34.7	31.4	28.3	24.9	21.9	19.2	16.5	14.2
65°	48.6	43.7	39.3	35.4	31.8	28.1	24.9	21.9	18.8	16.1	13.7
67.5°	49.9	44.8	40.1	35.8	31.7	27.9	24.8	21.3	18.4	15.7	12.8
70°	51.2	45.7	40.7	36.0	31.6	27.9	23.9	20.6	17.9	14.7	12.0
72.5°	52.3	46.5	41.1	36.2	31.7	27.4	23.0	19.9	16.6	13.8	11.4
75°	53.6	47.4	41.6	36.5	31.7	26.6	22.6	19.0	15.6	12.7	10.4
77.5°	55.1	48.3	42.0	36.7	31.5	26.0	22.1	18.2	14.6	11.7	9.2
80°	56.7	49.2	42.4	36.5	30.7	25.5	21.4	17.5	13.8	10.8	7.9
82.5°	58.4	50.1	42.8	36.3	30.0	24.7	20.3	16.4	13.1	10.0	6.8
85°	60.3	51.2	43.4	36.4	29.6	24.1	19.5	15.7	12.7	9.7	6.6
87.5°	62.5	52.6	44.3	36.7	29.7	23.6	18.9	15.4	12.7	10.0	7.1
90°	65.1	54.5	45.5	37.4	30.1	23.6	18.7	15.5	13.0	10.6	8.1
92.5°	62.5	52.6	44.3	36.7	29.7	23.6	18.9	15.4	12.7	10.0	7.1
95°	60.3	51.2	43.4	36.4	29.6	24.1	19.5	15.7	12.7	9.7	6.6
97.5°	58.4	50.1	42.8	36.3	30.0	24.7	20.3	16.4	13.1	10.0	6.8
100°	56.7	49.2	42.4	36.5	30.7	25.5	21.4	17.5	13.8	10.8	7.9
102.5°	55.1	48.3	42.0	36.7	31.5	26.0	22.1	18.2	14.6	11.7	9.2
105°	53.6	47.4	41.6	36.5	31.7	26.6	22.6	19.0	15.6	12.7	10.4
107.5°	52.3	46.5	41.1	36.2	31.7	27.4	23.0	19.9	16.6	13.8	11.4
110°	51.2	45.7	40.7	36.0	31.6	27.9	23.9	20.6	17.9	14.7	12.0





TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	49.9	44.8	40.1	35.8	31.7	27.9	24.8	21.3	18.4	15.7	12.8
115°	48.6	43.7	39.3	35.4	31.8	28.1	24.9	21.9	18.8	16.1	13.7
117.5°	47.2	42.5	38.4	34.7	31.4	28.3	24.9	21.9	19.2	16.5	14.2
120°	45.3	41.0	37.2	33.9	30.8	27.8	25.0	22.0	19.3	16.7	14.4
122.5°	43.0	39.1	36.0	33.0	30.0	27.2	24.5	21.9	19.3	17.0	14.6
125°	40.7	37.8	34.9	32.2	29.3	26.5	23.9	21.4	19.1	16.8	14.6
127.5°	39.0	36.6	33.9	31.2	28.6	26.0	23.3	20.8	18.5	16.3	14.2
130°	37.6	35.1	32.7	30.2	27.7	25.3	22.9	20.4	17.9	15.7	13.8
132.5°	36.2	33.8	31.4	29.1	26.7	24.4	22.2	20.0	17.8	15.6	13.5
135°	34.8	32.5	30.3	28.0	25.7	23.4	21.2	19.1	17.2	15.4	13.5
137.5°	33.4	31.2	29.0	26.9	24.9	22.7	20.4	18.3	16.6	14.8	13.0
140°	31.9	30.0	28.0	25.8	23.7	21.8	20.0	18.1	16.1	14.3	12.5
142.5°	30.3	28.5	26.7	24.9	22.9	21.0	19.1	17.4	15.8	14.1	12.3
145°	28.7	26.9	25.2	23.6	21.9	20.3	18.5	16.8	15.1	13.5	11.9
147.5°	27.3	25.4	23.7	22.2	20.6	19.1	17.6	16.0	14.4	12.8	11.3
150°	25.6	24.3	22.6	20.9	19.3	17.9	16.4	15.0	13.5	12.0	10.5
152.5°	23.8	22.5	21.2	19.9	18.4	16.9	15.5	14.0	12.6	11.2	9.8
155°	22.0	20.8	19.5	18.3	17.1	15.8	14.6	13.3	11.9	10.6	9.2
157.5°	19.8	18.9	17.9	16.8	15.6	14.5	13.3	12.1	11.0	9.8	8.6
160°	17.6	16.7	15.8	14.9	14.0	13.1	12.1	11.0	9.9	8.8	7.8
162.5°	15.6	14.8	13.9	13.1	12.2	11.3	10.5	9.6	8.7	7.8	6.9
165°	13.6	12.9	12.1	11.4	10.7	9.9	9.1	8.3	7.5	6.7	5.9
167.5°	11.4	10.8	10.3	9.7	9.0	8.4	7.7	7.1	6.4	5.7	5.0
170°	9.1	8.7	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.1
172.5°	6.8	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.9	3.4	3.0
175°	4.5	4.3	4.0	3.8	3.6	3.3	3.1	2.8	2.6	2.3	2.0
177.5°	2.4	2.3	2.2	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
5°	1.7	1.4	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
7.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
10°	3.5	2.9	2.3	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.3
12.5°	4.3	3.6	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
15°	5.1	4.2	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
17.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
20°	6.7	5.6	4.5	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.5
22.5°	7.4	6.1	4.9	3.7	2.5	1.2	0.0	1.2	2.5	3.7	4.9
25°	7.9	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
27.5°	8.4	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
30°	9.0	7.6	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
32.5°	9.7	8.2	6.7	5.2	3.8	2.3	0.8	2.3	3.8	5.2	6.7
35°	10.3	8.7	7.1	5.5	4.0	2.4	0.8	2.4	4.0	5.5	7.1
37.5°	10.6	8.9	7.3	5.6	4.0	2.4	0.8	2.4	4.0	5.6	7.3
40°	10.8	9.2	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8	7.5
42.5°	11.3	9.5	7.8	6.0	4.3	2.5	0.8	2.5	4.3	6.0	7.8
45°	11.6	9.7	7.8	6.0	4.3	2.5	0.8	2.5	4.3	6.0	7.8
47.5°	11.6	9.8	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
50°	11.9	10.0	8.2	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.2
52.5°	12.2	10.3	8.4	6.5	4.6	2.7	0.8	2.7	4.6	6.5	8.4
55°	12.6	10.4	8.3	6.4	4.5	2.6	0.8	2.6	4.5	6.4	8.3
57.5°	12.3	10.2	8.3	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.3
60°	12.3	10.3	8.2	6.2	4.3	2.5	0.8	2.5	4.3	6.2	8.2
62.5°	11.9	9.8	7.7	5.8	4.0	2.4	0.8	2.4	4.0	5.8	7.7
65°	11.2	9.0	7.0	5.2	3.6	2.2	0.8	2.2	3.6	5.2	7.0
67.5°	10.3	8.2	6.4	4.9	3.5	2.1	0.8	2.1	3.5	4.9	6.4
70°	9.6	7.7	6.2	4.8	3.4	2.1	0.8	2.1	3.4	4.8	6.2
72.5°	9.1	7.1	5.6	4.3	2.8	1.7	0.8	1.7	2.8	4.3	5.6
75°	8.3	6.3	4.7	3.4	2.3	1.5	0.8	1.5	2.3	3.4	4.7
77.5°	7.0	5.7	4.1	2.5	0.9	0.2	0.0	0.2	0.9	2.5	4.1
80°	5.8	4.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
82.5°	4.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.8	4.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
102.5°	7.0	5.7	4.1	2.5	0.9	0.2	0.0	0.2	0.9	2.5	4.1
105°	8.3	6.3	4.7	3.4	2.3	1.5	0.8	1.5	2.3	3.4	4.7
107.5°	9.1	7.1	5.6	4.3	2.8	1.7	0.8	1.7	2.8	4.3	5.6
110°	9.6	7.7	6.2	4.8	3.4	2.1	0.8	2.1	3.4	4.8	6.2



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	10.3	8.2	6.4	4.9	3.5	2.1	0.8	2.1	3.5	4.9	6.4
115°	11.2	9.0	7.0	5.2	3.6	2.2	0.8	2.2	3.6	5.2	7.0
117.5°	11.9	9.8	7.7	5.8	4.0	2.4	0.8	2.4	4.0	5.8	7.7
120°	12.3	10.3	8.2	6.2	4.3	2.5	0.8	2.5	4.3	6.2	8.2
122.5°	12.3	10.2	8.3	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.3
125°	12.6	10.4	8.3	6.4	4.5	2.6	0.8	2.6	4.5	6.4	8.3
127.5°	12.2	10.3	8.4	6.5	4.6	2.7	0.8	2.7	4.6	6.5	8.4
130°	11.9	10.0	8.2	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.2
132.5°	11.6	9.8	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
135°	11.6	9.7	7.8	6.0	4.3	2.5	0.8	2.5	4.3	6.0	7.8
137.5°	11.3	9.5	7.8	6.0	4.3	2.5	0.8	2.5	4.3	6.0	7.8
140°	10.8	9.2	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8	7.5
142.5°	10.6	8.9	7.3	5.6	4.0	2.4	0.8	2.4	4.0	5.6	7.3
145°	10.3	8.7	7.1	5.5	4.0	2.4	0.8	2.4	4.0	5.5	7.1
147.5°	9.7	8.2	6.7	5.2	3.8	2.3	0.8	2.3	3.8	5.2	6.7
150°	9.0	7.6	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
152.5°	8.4	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
155°	7.9	6.6	5.2	3.9	2.6	1.3	0.0	1.3	2.6	3.9	5.2
157.5°	7.4	6.1	4.9	3.7	2.5	1.2	0.0	1.2	2.5	3.7	4.9
160°	6.7	5.6	4.5	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.5
162.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
165°	5.1	4.2	3.4	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.4
167.5°	4.3	3.6	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
170°	3.5	2.9	2.3	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.3
172.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.8
175°	1.7	1.4	1.2	0.9	0.6	0.3	0.0	0.3	0.6	0.9	1.2
177.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0	0.1	0.3	0.4	0.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.7	0.9	1.0	1.2	1.3	1.5	1.6	1.7	1.9	2.0	2.2
5°	1.4	1.7	2.0	2.3	2.6	2.8	3.1	3.3	3.6	3.8	4.0
7.5°	2.2	2.6	3.0	3.4	3.9	4.3	4.7	5.0	5.4	5.8	6.1
10°	2.9	3.5	4.1	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.2
12.5°	3.6	4.3	5.0	5.7	6.4	7.1	7.7	8.4	9.0	9.7	10.3
15°	4.2	5.1	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.4	12.1
17.5°	4.9	5.9	6.9	7.8	8.7	9.6	10.5	11.3	12.2	13.1	13.9
20°	5.6	6.7	7.8	8.8	9.9	11.0	12.1	13.1	14.0	14.9	15.8
22.5°	6.1	7.4	8.6	9.8	11.0	12.1	13.3	14.5	15.6	16.8	17.9
25°	6.6	7.9	9.2	10.6	11.9	13.3	14.6	15.8	17.1	18.3	19.5
27.5°	7.0	8.4	9.8	11.2	12.6	14.0	15.5	16.9	18.4	19.9	21.2
30°	7.6	9.0	10.5	12.0	13.5	15.0	16.4	17.9	19.3	20.9	22.6
32.5°	8.2	9.7	11.3	12.8	14.4	16.0	17.6	19.1	20.6	22.2	23.7
35°	8.7	10.3	11.9	13.5	15.1	16.8	18.5	20.3	21.9	23.6	25.2
37.5°	8.9	10.6	12.3	14.1	15.8	17.4	19.1	21.0	22.9	24.9	26.7
40°	9.2	10.8	12.5	14.3	16.1	18.1	20.0	21.8	23.7	25.8	28.0
42.5°	9.5	11.3	13.0	14.8	16.6	18.3	20.4	22.7	24.9	26.9	29.0
45°	9.7	11.6	13.5	15.4	17.2	19.1	21.2	23.4	25.7	28.0	30.3
47.5°	9.8	11.6	13.5	15.6	17.8	20.0	22.2	24.4	26.7	29.1	31.4
50°	10.0	11.9	13.8	15.7	17.9	20.4	22.9	25.3	27.7	30.2	32.7
52.5°	10.3	12.2	14.2	16.3	18.5	20.8	23.3	26.0	28.6	31.2	33.9
55°	10.4	12.6	14.6	16.8	19.1	21.4	23.9	26.5	29.3	32.2	34.9
57.5°	10.2	12.3	14.6	17.0	19.3	21.9	24.5	27.2	30.0	33.0	36.0
60°	10.3	12.3	14.4	16.7	19.3	22.0	25.0	27.8	30.8	33.9	37.2
62.5°	9.8	11.9	14.2	16.5	19.2	21.9	24.9	28.3	31.4	34.7	38.4
65°	9.0	11.2	13.7	16.1	18.8	21.9	24.9	28.1	31.8	35.4	39.3
67.5°	8.2	10.3	12.8	15.7	18.4	21.3	24.8	27.9	31.7	35.8	40.1
70°	7.7	9.6	12.0	14.7	17.9	20.6	23.9	27.9	31.6	36.0	40.7
72.5°	7.1	9.1	11.4	13.8	16.6	19.9	23.0	27.4	31.7	36.2	41.1
75°	6.3	8.3	10.4	12.7	15.6	19.0	22.6	26.6	31.7	36.5	41.6
77.5°	5.7	7.0	9.2	11.7	14.6	18.2	22.1	26.0	31.5	36.7	42.0
80°	4.4	5.8	7.9	10.8	13.8	17.5	21.4	25.5	30.7	36.5	42.4
82.5°	2.5	4.3	6.8	10.0	13.1	16.4	20.3	24.7	30.0	36.3	42.8
85°	0.9	3.7	6.6	9.7	12.7	15.7	19.5	24.1	29.6	36.4	43.4
87.5°	0.4	4.1	7.1	10.0	12.7	15.4	18.9	23.6	29.7	36.7	44.3
90°	0.0	4.9	8.1	10.6	13.0	15.5	18.7	23.6	30.1	37.4	45.5
92.5°	0.4	4.1	7.1	10.0	12.7	15.4	18.9	23.6	29.7	36.7	44.3
95°	0.9	3.7	6.6	9.7	12.7	15.7	19.5	24.1	29.6	36.4	43.4
97.5°	2.5	4.3	6.8	10.0	13.1	16.4	20.3	24.7	30.0	36.3	42.8
100°	4.4	5.8	7.9	10.8	13.8	17.5	21.4	25.5	30.7	36.5	42.4
102.5°	5.7	7.0	9.2	11.7	14.6	18.2	22.1	26.0	31.5	36.7	42.0
105°	6.3	8.3	10.4	12.7	15.6	19.0	22.6	26.6	31.7	36.5	41.6
107.5°	7.1	9.1	11.4	13.8	16.6	19.9	23.0	27.4	31.7	36.2	41.1
110°	7.7	9.6	12.0	14.7	17.9	20.6	23.9	27.9	31.6	36.0	40.7



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	8.2	10.3	12.8	15.7	18.4	21.3	24.8	27.9	31.7	35.8	40.1
115°	9.0	11.2	13.7	16.1	18.8	21.9	24.9	28.1	31.8	35.4	39.3
117.5°	9.8	11.9	14.2	16.5	19.2	21.9	24.9	28.3	31.4	34.7	38.4
120°	10.3	12.3	14.4	16.7	19.3	22.0	25.0	27.8	30.8	33.9	37.2
122.5°	10.2	12.3	14.6	17.0	19.3	21.9	24.5	27.2	30.0	33.0	36.0
125°	10.4	12.6	14.6	16.8	19.1	21.4	23.9	26.5	29.3	32.2	34.9
127.5°	10.3	12.2	14.2	16.3	18.5	20.8	23.3	26.0	28.6	31.2	33.9
130°	10.0	11.9	13.8	15.7	17.9	20.4	22.9	25.3	27.7	30.2	32.7
132.5°	9.8	11.6	13.5	15.6	17.8	20.0	22.2	24.4	26.7	29.1	31.4
135°	9.7	11.6	13.5	15.4	17.2	19.1	21.2	23.4	25.7	28.0	30.3
137.5°	9.5	11.3	13.0	14.8	16.6	18.3	20.4	22.7	24.9	26.9	29.0
140°	9.2	10.8	12.5	14.3	16.1	18.1	20.0	21.8	23.7	25.8	28.0
142.5°	8.9	10.6	12.3	14.1	15.8	17.4	19.1	21.0	22.9	24.9	26.7
145°	8.7	10.3	11.9	13.5	15.1	16.8	18.5	20.3	21.9	23.6	25.2
147.5°	8.2	9.7	11.3	12.8	14.4	16.0	17.6	19.1	20.6	22.2	23.7
150°	7.6	9.0	10.5	12.0	13.5	15.0	16.4	17.9	19.3	20.9	22.6
152.5°	7.0	8.4	9.8	11.2	12.6	14.0	15.5	16.9	18.4	19.9	21.2
155°	6.6	7.9	9.2	10.6	11.9	13.3	14.6	15.8	17.1	18.3	19.5
157.5°	6.1	7.4	8.6	9.8	11.0	12.1	13.3	14.5	15.6	16.8	17.9
160°	5.6	6.7	7.8	8.8	9.9	11.0	12.1	13.1	14.0	14.9	15.8
162.5°	4.9	5.9	6.9	7.8	8.7	9.6	10.5	11.3	12.2	13.1	13.9
165°	4.2	5.1	5.9	6.7	7.5	8.3	9.1	9.9	10.7	11.4	12.2
167.5°	3.6	4.3	5.0	5.7	6.4	7.1	7.7	8.4	9.0	9.7	10.3
170°	2.9	3.5	4.1	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.2
172.5°	2.2	2.6	3.0	3.4	3.9	4.3	4.7	5.0	5.4	5.8	6.1
175°	1.4	1.7	2.0	2.3	2.6	2.8	3.1	3.3	3.6	3.8	4.0
177.5°	0.7	0.9	1.0	1.2	1.3	1.5	1.6	1.7	1.9	2.0	2.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.3	2.4	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.4	3.5
5°	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.5	5.6	5.9	6.1
7.5°	6.5	6.8	7.1	7.4	7.7	7.9	8.2	8.4	8.6	8.8	8.9
10°	8.7	9.1	9.5	9.9	10.3	10.7	11.0	11.3	11.6	11.8	12.0
12.5°	10.8	11.4	11.9	12.4	12.9	13.3	13.8	14.2	14.5	14.9	15.2
15°	12.9	13.6	14.3	14.9	15.5	16.1	16.6	17.0	17.5	17.9	18.3
17.5°	14.8	15.6	16.4	17.2	17.9	18.7	19.4	19.9	20.4	20.9	21.3
20°	16.7	17.6	18.5	19.4	20.2	21.1	21.9	22.7	23.4	23.9	24.4
22.5°	18.9	19.8	20.7	21.5	22.5	23.4	24.4	25.3	26.1	26.9	27.5
25°	20.8	22.0	23.1	24.0	24.9	25.7	26.8	27.8	28.7	29.7	31.5
27.5°	22.5	23.8	25.1	26.4	27.5	28.4	29.9	31.8	34.0	36.3	38.9
30°	24.3	25.6	27.0	28.6	30.5	32.5	34.4	36.5	39.0	42.0	45.2
32.5°	25.4	27.3	29.3	31.1	33.1	35.4	37.9	40.5	43.2	46.6	50.5
35°	26.9	28.7	30.8	33.1	35.3	37.6	40.4	43.5	46.9	50.5	55.0
37.5°	28.5	30.3	32.3	34.6	37.1	39.7	42.5	45.8	49.7	54.0	58.6
40°	30.0	31.9	33.9	36.0	38.5	41.4	44.5	47.7	52.0	56.7	62.1
42.5°	31.2	33.4	35.5	37.6	40.0	42.8	46.1	49.7	53.6	59.0	65.0
45°	32.5	34.8	37.0	39.2	41.6	44.3	47.6	51.3	55.5	60.9	67.3
47.5°	33.8	36.2	38.5	40.8	43.2	45.9	49.0	52.9	57.3	62.3	69.5
50°	35.1	37.6	40.2	42.5	44.9	47.5	50.7	54.7	60.4	66.0	72.3
52.5°	36.6	39.0	41.6	44.4	46.7	51.0	55.9	61.2	66.7	71.6	76.3
55°	37.8	40.7	43.4	47.6	52.1	56.9	62.2	68.0	73.5	78.1	81.7
57.5°	39.1	43.0	47.2	51.5	56.9	62.4	68.3	74.5	80.8	85.2	88.1
60°	41.0	45.3	50.2	55.1	60.9	67.3	73.9	80.9	87.7	92.6	95.1
62.5°	42.5	47.2	52.6	58.4	64.4	71.8	79.2	86.9	94.5	100.3	102.8
65°	43.7	48.6	54.4	61.1	67.8	75.6	84.1	92.7	101.2	108.5	111.0
67.5°	44.8	49.9	56.1	63.3	70.9	79.2	88.7	98.3	107.9	116.3	118.9
70°	45.7	51.2	57.6	65.3	73.8	82.5	93.0	103.7	114.2	122.9	125.0
72.5°	46.5	52.3	58.9	67.1	76.4	85.5	95.8	106.0	115.1	122.0	124.1
75°	47.4	53.6	60.6	68.9	78.2	87.6	97.4	107.5	116.0	121.8	123.5
77.5°	48.3	55.1	62.5	71.0	80.4	89.9	99.5	109.3	117.5	122.1	123.1
80°	49.2	56.7	64.5	73.2	82.8	92.6	102.0	111.5	119.6	122.9	122.8
82.5°	50.1	58.4	66.6	75.8	85.6	95.6	104.9	114.1	122.1	124.1	122.7
85°	51.2	60.3	69.0	78.6	88.7	98.9	108.1	117.0	124.9	125.5	122.5
87.5°	52.6	62.5	71.7	81.8	92.2	102.6	111.7	120.2	127.9	127.0	122.3
90°	54.5	65.1	74.8	85.4	96.0	106.5	115.5	123.6	130.9	128.5	122.0
92.5°	52.6	62.5	71.7	81.8	92.2	102.6	111.7	120.2	127.9	127.0	122.3
95°	51.2	60.3	69.0	78.6	88.7	98.9	108.1	117.0	124.9	125.5	122.5
97.5°	50.1	58.4	66.6	75.8	85.6	95.6	104.9	114.1	122.1	124.1	122.7
100°	49.2	56.7	64.5	73.2	82.8	92.6	102.0	111.5	119.6	122.9	122.8
102.5°	48.3	55.1	62.5	71.0	80.4	89.9	99.5	109.3	117.5	122.1	123.1
105°	47.4	53.6	60.6	68.9	78.2	87.6	97.4	107.5	116.0	121.8	123.5
107.5°	46.5	52.3	58.9	67.1	76.4	85.5	95.8	106.0	115.1	122.0	124.1
110°	45.7	51.2	57.6	65.3	73.8	82.5	93.0	103.7	114.2	122.9	125.0



TEST NUMBER: P231974

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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	44.8	49.9	56.1	63.3	70.9	79.2	88.7	98.3	107.9	116.3	118.9
115°	43.7	48.6	54.4	61.1	67.8	75.6	84.1	92.7	101.2	108.5	111.0
117.5°	42.5	47.2	52.6	58.4	64.4	71.8	79.2	86.9	94.5	100.3	102.8
120°	41.0	45.3	50.2	55.1	60.9	67.3	73.9	80.9	87.7	92.6	95.1
122.5°	39.1	43.0	47.2	51.5	56.9	62.4	68.3	74.5	80.8	85.2	88.1
125°	37.8	40.7	43.4	47.6	52.1	56.9	62.2	68.0	73.5	78.1	81.7
127.5°	36.6	39.0	41.6	44.4	46.7	51.0	55.9	61.2	66.7	71.6	76.3
130°	35.1	37.6	40.2	42.5	44.9	47.5	50.7	54.7	60.4	66.0	72.3
132.5°	33.8	36.2	38.5	40.8	43.2	45.9	49.0	52.9	57.3	62.3	69.5
135°	32.5	34.8	37.0	39.2	41.6	44.3	47.6	51.3	55.5	60.9	67.3
137.5°	31.2	33.4	35.5	37.6	40.0	42.8	46.1	49.7	53.6	59.0	65.0
140°	30.0	31.9	33.9	36.0	38.5	41.4	44.5	47.7	52.0	56.7	62.1
142.5°	28.5	30.3	32.3	34.6	37.1	39.7	42.5	45.8	49.7	54.0	58.6
145°	26.9	28.7	30.8	33.1	35.3	37.6	40.4	43.5	46.9	50.5	55.0
147.5°	25.4	27.3	29.3	31.1	33.1	35.4	37.9	40.5	43.2	46.6	50.5
150°	24.3	25.6	27.0	28.6	30.5	32.5	34.4	36.5	39.0	42.0	45.2
152.5°	22.5	23.8	25.1	26.4	27.5	28.4	29.9	31.8	34.0	36.3	38.9
155°	20.8	22.0	23.1	24.0	24.9	25.7	26.8	27.8	28.7	29.7	31.5
157.5°	18.9	19.8	20.7	21.5	22.5	23.4	24.4	25.3	26.1	26.9	27.5
160°	16.7	17.6	18.5	19.4	20.2	21.1	21.9	22.7	23.4	23.9	24.4
162.5°	14.8	15.6	16.4	17.2	17.9	18.7	19.4	19.9	20.4	20.9	21.3
165°	12.9	13.6	14.3	14.9	15.5	16.1	16.6	17.0	17.5	17.9	18.3
167.5°	10.8	11.4	11.9	12.4	12.9	13.3	13.8	14.2	14.5	14.9	15.2
170°	8.7	9.1	9.5	9.9	10.3	10.7	11.0	11.3	11.6	11.8	12.0
172.5°	6.5	6.8	7.1	7.4	7.7	7.9	8.2	8.4	8.6	8.8	8.9
175°	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.5	5.6	5.9	6.1
177.5°	2.3	2.4	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.4	3.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.1	4.6
5°	6.2	6.4	6.6	6.8	6.9	7.0	7.2	7.3	7.4	7.5	8.3
7.5°	9.1	9.2	9.4	9.7	9.9	10.1	10.3	10.5	10.7	10.8	12.1
10°	12.2	12.4	12.5	12.6	12.9	13.2	13.5	13.7	14.0	14.2	15.8
12.5°	15.4	15.6	15.8	15.9	15.9	16.2	16.6	16.9	17.2	17.5	19.5
15°	18.6	18.9	19.1	19.2	19.2	19.2	19.7	20.1	20.5	20.9	23.2
17.5°	21.7	22.1	22.4	22.5	22.6	22.6	22.7	23.3	23.8	24.2	26.9
20°	24.9	25.3	25.6	25.9	26.0	25.9	25.8	26.4	27.0	27.6	30.6
22.5°	28.0	28.5	28.8	29.2	29.4	29.3	29.2	29.6	30.3	30.9	34.3
25°	33.2	34.9	36.5	37.9	39.1	39.7	39.8	40.1	40.7	41.2	44.7
27.5°	41.6	44.0	46.4	48.5	50.1	51.1	51.1	51.0	51.3	51.5	55.1
30°	48.7	52.4	55.6	58.7	60.8	62.8	62.5	61.9	62.0	61.8	65.5
32.5°	54.8	59.5	64.0	68.2	71.3	73.8	74.0	73.1	72.7	72.1	75.8
35°	60.0	65.7	71.7	76.9	81.6	84.6	85.6	84.4	83.4	82.4	86.1
37.5°	64.6	71.1	78.3	85.1	91.8	95.2	97.3	95.7	94.3	92.7	96.4
40°	68.4	75.8	84.2	92.7	100.4	105.7	109.0	107.1	105.1	103.0	106.6
42.5°	71.5	80.1	89.5	100.1	108.9	116.0	120.8	118.5	116.0	113.3	116.8
45°	74.8	83.8	94.1	106.0	116.9	126.2	131.5	130.0	126.9	123.6	127.0
47.5°	77.4	85.9	96.0	107.5	118.4	128.2	133.8	134.3	133.2	132.8	139.3
50°	79.0	86.1	95.6	106.4	117.7	128.1	135.0	137.9	139.2	142.0	151.9
52.5°	81.6	87.7	95.8	105.7	117.1	127.7	136.0	141.2	145.0	151.2	164.7
55°	85.5	90.1	96.4	105.4	116.6	127.5	137.0	144.2	150.5	160.4	177.7
57.5°	90.4	93.1	97.5	105.6	116.4	127.3	137.8	147.0	155.8	169.7	190.8
60°	96.2	96.9	99.4	106.6	116.4	127.3	138.5	149.5	161.0	178.9	204.1
62.5°	102.7	101.5	102.4	107.8	116.7	127.4	139.1	151.8	166.0	188.1	217.6
65°	109.8	107.0	105.9	109.5	117.3	127.7	139.7	153.9	170.9	197.3	231.1
67.5°	117.3	113.0	109.8	111.4	118.1	128.0	140.2	155.9	175.7	206.5	244.7
70°	121.8	115.9	111.1	111.4	117.4	126.8	138.9	154.7	174.4	205.0	244.1
72.5°	120.8	115.1	110.6	110.6	116.4	125.6	137.5	153.4	173.2	203.4	243.2
75°	119.8	114.1	109.9	109.9	115.5	124.4	136.1	152.1	172.1	201.9	243.7
77.5°	118.9	112.8	109.1	109.2	114.7	123.4	134.9	151.0	171.0	200.4	242.2
80°	117.9	111.3	108.2	108.5	114.0	122.4	133.8	149.9	170.0	198.8	240.8
82.5°	116.8	109.7	107.2	107.9	113.4	121.5	132.7	148.9	169.1	197.3	239.3
85°	115.6	107.9	106.2	107.4	112.9	120.8	131.7	148.0	168.3	195.8	237.9
87.5°	114.4	106.0	105.1	106.9	112.5	120.1	130.9	147.2	167.4	194.2	236.4
90°	113.0	104.1	104.1	106.5	112.2	119.5	130.1	146.4	166.7	192.7	235.0
92.5°	114.4	106.0	105.1	106.9	112.5	120.1	130.9	147.2	167.4	194.2	236.4
95°	115.6	107.9	106.2	107.4	112.9	120.8	131.7	148.0	168.3	195.8	237.9
97.5°	116.8	109.7	107.2	107.9	113.4	121.5	132.7	148.9	169.1	197.3	239.3
100°	117.9	111.3	108.2	108.5	114.0	122.4	133.8	149.9	170.0	198.8	240.8
102.5°	118.9	112.8	109.1	109.2	114.7	123.4	134.9	151.0	171.0	200.4	242.2
105°	119.8	114.1	109.9	109.9	115.5	124.4	136.1	152.1	172.1	201.9	243.7
107.5°	120.8	115.1	110.6	110.6	116.4	125.6	137.5	153.4	173.2	203.4	243.2
110°	121.8	115.9	111.1	111.4	117.4	126.8	138.9	154.7	174.4	205.0	244.1





TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	117.3	113.0	109.8	111.4	118.1	128.0	140.2	155.9	175.7	206.5	244.7
115°	109.8	107.0	105.9	109.5	117.3	127.7	139.7	153.9	170.9	197.3	231.1
117.5°	102.7	101.5	102.4	107.8	116.7	127.4	139.1	151.8	166.0	188.1	217.6
120°	96.2	96.9	99.4	106.6	116.4	127.3	138.5	149.5	161.0	178.9	204.1
122.5°	90.4	93.1	97.5	105.6	116.4	127.3	137.8	147.0	155.8	169.7	190.8
125°	85.5	90.1	96.4	105.4	116.6	127.5	137.0	144.2	150.5	160.4	177.7
127.5°	81.6	87.7	95.8	105.7	117.1	127.7	136.0	141.2	145.0	151.2	164.7
130°	79.0	86.1	95.6	106.4	117.7	128.1	135.0	137.9	139.2	142.0	151.9
132.5°	77.4	85.9	96.0	107.5	118.4	128.2	133.8	134.3	133.2	132.8	139.3
135°	74.8	83.8	94.1	106.0	116.9	126.2	131.5	130.0	126.9	123.6	127.0
137.5°	71.5	80.1	89.5	100.1	108.9	116.0	120.8	118.5	116.0	113.3	116.8
140°	68.4	75.8	84.2	92.7	100.4	105.7	109.0	107.1	105.1	103.0	106.6
142.5°	64.6	71.1	78.3	85.1	91.8	95.2	97.3	95.7	94.3	92.7	96.4
145°	60.0	65.7	71.7	76.9	81.6	84.6	85.6	84.4	83.4	82.4	86.1
147.5°	54.8	59.5	64.0	68.2	71.3	73.8	74.0	73.1	72.7	72.1	75.8
150°	48.7	52.4	55.6	58.7	60.8	62.8	62.5	61.9	62.0	61.8	65.5
152.5°	41.6	44.0	46.4	48.5	50.1	51.1	51.1	51.0	51.3	51.5	55.1
155°	33.2	34.9	36.5	37.9	39.1	39.7	39.8	40.1	40.7	41.2	44.7
157.5°	28.0	28.5	28.8	29.2	29.4	29.3	29.2	29.6	30.3	30.9	34.3
160°	24.9	25.3	25.6	25.9	26.0	25.9	25.8	26.4	27.0	27.6	30.6
162.5°	21.7	22.1	22.4	22.5	22.6	22.6	22.7	23.3	23.8	24.2	26.9
165°	18.6	18.9	19.1	19.2	19.2	19.2	19.7	20.1	20.5	20.9	23.2
167.5°	15.4	15.6	15.8	15.9	15.9	16.2	16.6	16.9	17.2	17.5	19.5
170°	12.2	12.4	12.5	12.6	12.9	13.2	13.5	13.7	14.0	14.2	15.8
172.5°	9.1	9.2	9.4	9.7	9.9	10.1	10.3	10.5	10.7	10.8	12.1
175°	6.2	6.4	6.6	6.8	6.9	7.0	7.2	7.3	7.4	7.5	8.3
177.5°	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.1	4.6
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: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.0	5.4	5.8	6.2	6.5	6.9	7.3	7.6	7.9	8.3	8.6
5°	9.1	9.9	10.7	11.5	12.2	13.0	13.7	14.3	15.0	15.6	16.2
7.5°	13.3	14.5	15.6	16.8	17.9	18.9	20.1	21.5	22.8	24.1	25.4
10°	17.4	19.0	20.5	22.0	23.5	25.5	27.4	29.2	31.0	32.8	34.6
12.5°	21.5	23.4	25.3	27.4	29.9	32.3	34.7	37.0	39.4	42.0	44.5
15°	25.6	27.8	30.2	33.2	36.1	39.0	41.9	44.9	48.0	50.9	54.2
17.5°	29.6	32.2	35.4	38.9	42.3	45.7	49.2	52.6	56.0	59.1	62.1
20°	33.6	36.6	40.6	44.6	48.4	52.2	56.0	59.7	63.3	66.8	70.1
22.5°	37.6	41.3	45.8	50.2	54.3	58.3	62.3	66.4	70.4	74.2	77.9
25°	48.0	52.1	56.5	60.7	64.4	68.0	71.6	75.1	78.2	80.9	84.6
27.5°	58.5	63.2	67.9	72.2	76.2	80.1	83.9	87.4	90.2	92.9	95.6
30°	69.0	74.2	79.3	83.6	88.2	91.9	95.7	98.8	101.7	104.6	107.5
32.5°	79.6	85.1	90.3	94.9	99.3	103.3	106.8	109.9	112.9	115.9	119.6
35°	90.3	95.9	101.2	106.1	110.3	114.6	117.6	120.6	123.6	127.1	131.9
37.5°	100.8	106.7	112.1	117.0	121.1	124.8	128.0	130.9	134.1	138.5	143.8
40°	111.3	117.3	122.8	127.6	131.6	135.0	138.0	140.8	144.6	149.4	156.5
42.5°	121.7	127.9	133.4	138.0	141.8	144.8	147.6	150.2	154.9	160.9	168.7
45°	132.1	138.3	143.9	148.1	151.5	154.4	156.8	160.1	164.6	172.4	181.1
47.5°	148.0	157.2	165.0	168.6	170.0	170.1	169.9	170.9	175.2	183.9	193.2
50°	164.6	177.7	188.7	193.4	193.6	193.3	193.7	195.6	199.3	204.0	209.7
52.5°	181.8	198.9	212.4	218.7	216.7	216.6	218.1	220.6	224.6	229.3	234.8
55°	199.4	220.6	236.5	243.1	239.1	240.0	242.6	245.8	249.4	253.4	258.5
57.5°	217.4	243.0	260.8	266.7	261.5	263.6	267.2	270.5	273.5	276.6	281.0
60°	235.7	265.8	285.4	289.8	284.7	287.4	291.8	294.6	296.6	298.8	301.4
62.5°	254.3	289.0	310.1	312.6	307.9	311.6	316.4	318.3	319.0	319.9	320.6
65°	273.2	312.6	335.0	335.0	331.3	335.8	340.3	341.3	340.6	340.0	338.5
67.5°	292.3	336.4	360.0	357.3	354.6	360.0	364.0	363.6	361.5	359.0	355.2
70°	292.3	338.6	366.8	368.4	369.2	374.9	379.0	379.6	378.4	375.9	370.9
72.5°	291.5	339.0	371.4	378.0	380.1	383.6	385.8	385.7	384.1	381.0	377.1
75°	290.5	339.2	376.4	388.6	390.5	391.8	392.5	391.9	389.7	386.0	382.5
77.5°	289.2	339.1	381.7	400.0	400.7	399.4	398.9	397.9	395.2	391.1	388.2
80°	289.2	338.8	387.2	411.9	410.7	406.6	405.3	404.0	400.7	396.3	394.1
82.5°	286.8	339.7	394.5	424.2	420.5	413.6	411.6	410.1	406.1	401.6	400.1
85°	284.4	338.1	398.8	437.4	430.1	420.2	417.7	416.2	411.6	407.0	406.3
87.5°	282.1	336.6	403.1	449.3	439.9	427.2	423.9	422.3	417.1	412.4	412.5
90°	279.7	335.0	407.4	461.1	449.7	434.2	430.2	428.5	422.8	418.0	418.8
92.5°	282.1	336.6	403.1	449.3	439.9	427.2	423.9	422.3	417.1	412.4	412.5
95°	284.4	338.1	398.8	437.4	430.1	420.2	417.7	416.2	411.6	407.0	406.3
97.5°	286.8	339.7	394.5	424.2	420.5	413.6	411.6	410.1	406.1	401.6	400.1
100°	289.2	338.8	387.2	411.9	410.7	406.6	405.3	404.0	400.7	396.3	394.1
102.5°	289.2	339.1	381.7	400.0	400.7	399.4	398.9	397.9	395.2	391.1	388.2
105°	290.5	339.2	376.4	388.6	390.5	391.8	392.5	391.9	389.7	386.0	382.5
107.5°	291.5	339.0	371.4	378.0	380.1	383.6	385.8	385.7	384.1	381.0	377.1
110°	292.3	338.6	366.8	368.4	369.2	374.9	379.0	379.6	378.4	375.9	370.9



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	292.3	336.4	360.0	357.3	354.6	360.0	364.0	363.6	361.5	359.0	355.2
115°	273.2	312.6	335.0	335.0	331.3	335.8	340.3	341.3	340.6	340.0	338.5
117.5°	254.3	289.0	310.1	312.6	307.9	311.6	316.4	318.3	319.0	319.9	320.6
120°	235.7	265.8	285.4	289.8	284.7	287.4	291.8	294.6	296.6	298.8	301.4
122.5°	217.4	243.0	260.8	266.7	261.5	263.6	267.2	270.5	273.5	276.6	281.0
125°	199.4	220.6	236.5	243.1	239.1	240.0	242.6	245.8	249.4	253.4	258.5
127.5°	181.8	198.9	212.4	218.7	216.7	216.6	218.1	220.6	224.6	229.3	234.8
130°	164.6	177.7	188.7	193.4	193.6	193.3	193.7	195.6	199.3	204.0	209.7
132.5°	148.0	157.2	165.0	168.6	170.0	170.1	169.9	170.9	175.2	183.9	193.2
135°	132.1	138.3	143.9	148.1	151.5	154.4	156.8	160.1	164.6	172.4	181.1
137.5°	121.7	127.9	133.4	138.0	141.8	144.8	147.6	150.2	154.9	160.9	168.7
140°	111.3	117.3	122.8	127.6	131.6	135.0	138.0	140.8	144.6	149.4	156.5
142.5°	100.8	106.7	112.1	117.0	121.1	124.8	128.0	130.9	134.1	138.5	143.8
145°	90.3	95.9	101.2	106.1	110.3	114.6	117.6	120.6	123.6	127.1	131.9
147.5°	79.6	85.1	90.3	94.9	99.3	103.3	106.8	109.9	112.9	115.9	119.6
150°	69.0	74.2	79.3	83.6	88.2	91.9	95.7	98.8	101.7	104.6	107.5
152.5°	58.5	63.2	67.9	72.2	76.2	80.1	83.9	87.4	90.2	92.9	95.6
155°	48.0	52.1	56.5	60.7	64.4	68.0	71.6	75.1	78.2	80.9	84.6
157.5°	37.6	41.3	45.8	50.2	54.3	58.3	62.3	66.4	70.4	74.2	77.9
160°	33.6	36.6	40.6	44.6	48.4	52.2	56.0	59.7	63.3	66.8	70.1
162.5°	29.6	32.2	35.4	38.9	42.3	45.7	49.2	52.6	56.0	59.1	62.1
165°	25.6	27.8	30.2	33.2	36.1	39.0	41.9	44.9	48.0	50.9	54.2
167.5°	21.5	23.4	25.3	27.4	29.9	32.3	34.7	37.0	39.4	42.0	44.5
170°	17.4	19.0	20.5	22.0	23.5	25.5	27.4	29.2	31.0	32.8	34.6
172.5°	13.3	14.5	15.6	16.8	17.9	18.9	20.1	21.5	22.8	24.1	25.4
175°	9.1	9.9	10.7	11.5	12.2	13.0	13.7	14.3	15.0	15.6	16.2
177.5°	5.0	5.4	5.8	6.2	6.5	6.9	7.3	7.6	7.9	8.3	8.6
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: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	8.8	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.7	10.8
5°	17.0	17.8	18.5	19.2	19.9	20.5	21.1	21.6	22.1	22.6	22.9
7.5°	26.6	27.8	28.9	29.9	31.0	32.2	33.4	34.6	35.6	36.6	37.5
10°	36.5	38.4	40.3	42.1	43.9	45.6	47.2	48.5	49.6	50.6	51.5
12.5°	46.9	49.3	51.6	53.4	55.1	56.8	58.3	59.8	61.1	62.8	64.5
15°	56.4	58.8	61.1	63.2	65.4	68.0	70.5	72.9	75.2	77.5	79.6
17.5°	65.0	68.1	70.8	73.8	76.9	79.8	82.7	85.5	88.2	90.8	93.3
20°	73.6	77.0	80.4	83.8	87.2	90.5	93.8	96.9	99.7	102.3	104.7
22.5°	81.5	85.2	89.0	92.8	96.6	100.4	104.1	107.5	110.5	112.8	114.6
25°	88.6	92.7	97.2	101.6	106.3	110.7	114.8	118.4	121.4	124.2	127.0
27.5°	98.4	101.5	105.7	111.3	117.1	122.6	127.9	132.2	136.5	140.1	143.2
30°	111.2	115.6	120.2	125.8	131.1	137.3	143.6	149.1	154.1	158.3	162.0
32.5°	124.3	129.5	135.7	141.9	148.7	155.3	161.9	168.2	173.5	178.1	182.4
35°	137.3	144.1	151.0	158.6	166.0	173.6	180.7	187.0	192.9	198.6	204.4
37.5°	150.9	158.4	166.6	174.9	183.3	191.1	198.4	205.5	212.8	220.3	228.5
40°	164.2	172.9	181.8	191.0	199.8	208.0	216.5	224.8	234.4	244.8	255.6
42.5°	177.7	187.0	197.0	206.6	215.8	225.4	234.9	246.5	259.1	271.7	285.3
45°	190.6	201.1	211.6	221.7	232.3	242.8	255.6	268.8	283.8	300.1	319.6
47.5°	203.6	214.7	225.8	237.1	248.7	262.1	276.2	292.0	310.7	331.6	356.7
50°	217.0	228.1	240.0	252.4	266.1	280.7	297.0	316.6	339.6	366.4	396.4
52.5°	241.4	248.7	257.4	268.0	283.5	299.1	318.4	341.9	369.8	403.0	442.8
55°	264.1	270.5	279.0	289.6	302.8	317.8	339.5	367.9	401.7	443.3	492.8
57.5°	284.9	290.3	298.7	310.4	325.3	344.7	367.1	394.5	436.3	487.0	542.8
60°	304.0	308.1	317.5	331.5	349.7	371.4	396.1	431.8	476.3	528.9	593.8
62.5°	321.7	325.7	335.5	352.0	374.3	397.3	426.8	466.6	517.9	578.2	646.4
65°	337.8	342.5	354.8	374.1	397.9	420.0	455.4	502.3	559.0	624.4	699.6
67.5°	352.3	358.1	373.4	396.2	418.7	444.4	482.6	533.3	595.7	668.0	749.8
70°	367.1	373.2	391.4	417.5	437.0	466.2	509.0	564.1	629.7	705.6	796.1
72.5°	377.0	387.2	409.1	436.3	453.4	485.9	531.0	589.7	658.3	740.0	830.7
75°	384.6	397.7	423.1	450.0	471.8	504.9	551.8	610.9	680.2	767.1	860.3
77.5°	392.0	407.6	436.9	463.8	488.6	523.9	572.3	632.2	704.6	790.9	883.4
80°	399.2	416.9	450.3	477.4	503.7	539.8	588.7	649.0	725.2	813.5	910.0
82.5°	406.2	425.4	463.1	490.8	517.2	552.9	601.3	661.3	740.3	830.0	929.7
85°	413.0	433.3	475.0	503.6	529.2	563.6	610.5	669.5	750.1	840.3	942.2
87.5°	419.8	440.9	486.5	516.3	540.5	572.9	617.8	675.3	757.1	847.5	951.1
90°	426.1	447.2	495.2	526.9	549.7	579.0	620.5	674.9	754.6	843.3	945.7
92.5°	419.8	440.9	486.5	516.3	540.5	572.9	617.8	675.3	757.1	847.5	951.1
95°	413.0	433.3	475.0	503.6	529.2	563.6	610.5	669.5	750.1	840.3	942.2
97.5°	406.2	425.4	463.1	490.8	517.2	552.9	601.3	661.3	740.3	830.0	929.7
100°	399.2	416.9	450.3	477.4	503.7	539.8	588.7	649.0	725.2	813.5	910.0
102.5°	392.0	407.6	436.9	463.8	488.6	523.9	572.3	632.2	704.6	790.9	883.4
105°	384.6	397.7	423.1	450.0	471.8	504.9	551.8	610.9	680.2	767.1	860.3
107.5°	377.0	387.2	409.1	436.3	453.4	485.9	531.0	589.7	658.3	740.0	830.7
110°	367.1	373.2	391.4	417.5	437.0	466.2	509.0	564.1	629.7	705.6	796.1



TEST NUMBER: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	352.3	358.1	373.4	396.2	418.7	444.4	482.6	533.3	595.7	668.0	749.8
115°	337.8	342.5	354.8	374.1	397.9	420.0	455.4	502.3	559.0	624.4	699.6
117.5°	321.7	325.7	335.5	352.0	374.3	397.3	426.8	466.6	517.9	578.2	646.4
120°	304.0	308.1	317.5	331.5	349.7	371.4	396.1	431.8	476.3	528.9	593.8
122.5°	284.9	290.3	298.7	310.4	325.3	344.7	367.1	394.5	436.3	487.0	542.8
125°	264.1	270.5	279.0	289.6	302.8	317.8	339.5	367.9	401.7	443.3	492.8
127.5°	241.4	248.7	257.4	268.0	283.5	299.1	318.4	341.9	369.8	403.0	442.8
130°	217.0	228.1	240.0	252.4	266.1	280.7	297.0	316.6	339.6	366.4	396.4
132.5°	203.6	214.7	225.8	237.1	248.7	262.1	276.2	292.0	310.7	331.6	356.7
135°	190.6	201.1	211.6	221.7	232.3	242.8	255.6	268.8	283.8	300.1	319.6
137.5°	177.7	187.0	197.0	206.6	215.8	225.4	234.9	246.5	259.1	271.7	285.3
140°	164.2	172.9	181.8	191.0	199.8	208.0	216.5	224.8	234.4	244.8	255.6
142.5°	150.9	158.4	166.6	174.9	183.3	191.1	198.4	205.5	212.8	220.3	228.5
145°	137.3	144.1	151.0	158.6	166.0	173.6	180.7	187.0	192.9	198.6	204.4
147.5°	124.3	129.5	135.7	141.9	148.7	155.3	161.9	168.2	173.5	178.1	182.4
150°	111.2	115.6	120.2	125.8	131.1	137.3	143.6	149.1	154.1	158.3	162.0
152.5°	98.4	101.5	105.7	111.3	117.1	122.6	127.9	132.2	136.5	140.1	143.2
155°	88.6	92.7	97.2	101.6	106.3	110.7	114.8	118.4	121.4	124.2	127.0
157.5°	81.5	85.2	89.0	92.8	96.6	100.4	104.1	107.5	110.5	112.8	114.6
160°	73.6	77.0	80.4	83.8	87.2	90.5	93.8	96.9	99.7	102.3	104.7
162.5°	65.0	68.1	70.8	73.8	76.9	79.8	82.7	85.5	88.2	90.8	93.3
165°	56.4	58.8	61.1	63.2	65.4	68.0	70.5	72.9	75.2	77.5	79.6
167.5°	46.9	49.3	51.6	53.4	55.1	56.8	58.3	59.8	61.1	62.8	64.5
170°	36.5	38.4	40.3	42.1	43.9	45.6	47.2	48.5	49.6	50.6	51.5
172.5°	26.6	27.8	28.9	29.9	31.0	32.2	33.4	34.6	35.6	36.6	37.5
175°	17.0	17.8	18.5	19.2	19.9	20.5	21.1	21.6	22.1	22.6	22.9
177.5°	8.8	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.7	10.8
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: P231974

CATALOG NUMBER: FVS4WM-4-LD4-40-1STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	10.9	11.0	11.1	11.1	11.1	11.1	11.4	11.3	11.2	11.0	10.9
5°	23.3	23.6	23.8	24.0	24.2	24.3	24.4	24.4	24.7	24.4	24.2
7.5°	38.4	39.1	39.8	40.4	40.9	41.3	41.6	41.8	42.0	42.5	42.1
10°	52.3	53.0	53.6	54.2	54.6	54.9	55.2	55.3	55.4	55.7	55.3
12.5°	66.1	67.6	69.0	70.2	71.4	72.4	73.2	73.9	74.4	74.8	75.4
15°	81.6	83.4	85.2	86.7	88.2	89.5	90.6	91.5	92.3	92.9	93.7
17.5°	95.6	97.3	98.9	100.2	101.4	102.3	103.1	103.7	104.1	104.3	104.7
20°	106.8	108.4	109.2	109.7	109.8	109.8	109.4	108.9	108.2	107.3	106.3
22.5°	115.9	116.8	117.9	118.8	119.3	119.4	119.1	118.5	117.6	116.4	115.2
25°	129.3	130.9	132.1	132.9	133.2	133.0	132.3	131.2	129.6	127.7	125.5
27.5°	145.7	147.5	148.7	149.8	151.1	151.9	152.3	152.2	151.5	150.4	148.8
30°	164.9	167.9	170.4	172.4	175.3	177.6	179.5	180.8	181.5	181.5	180.9
32.5°	186.5	191.1	195.5	199.5	204.4	209.7	214.4	218.5	221.7	224.0	225.3
35°	210.0	217.4	225.4	233.0	240.5	248.8	256.4	263.1	268.8	273.3	276.6
37.5°	237.9	247.7	259.1	270.2	280.8	293.2	305.2	316.1	325.7	333.8	340.3
40°	267.8	280.7	296.5	313.0	329.0	345.6	362.5	377.8	391.3	402.9	412.3
42.5°	302.0	319.2	338.9	361.6	383.5	405.2	429.6	452.0	472.1	489.6	504.1
45°	340.0	364.1	387.6	418.0	449.0	481.8	510.4	540.1	566.8	590.2	609.7
47.5°	383.2	415.2	448.5	483.5	523.8	562.5	601.8	640.4	675.5	706.7	733.2
50°	433.7	472.5	516.3	559.0	606.3	655.3	704.0	752.1	794.3	830.3	860.0
52.5°	488.3	536.4	589.1	642.1	700.5	761.5	819.4	876.6	923.4	960.3	987.6
55°	545.3	604.2	666.4	735.7	807.7	887.8	958.3	1008.0	1045.1	1072.7	1091.3
57.5°	605.3	675.2	750.0	835.8	929.4	1003.6	1076.5	1114.0	1135.8	1151.8	1162.2
60°	666.9	746.3	836.7	927.5	1014.5	1088.5	1146.3	1182.1	1197.3	1209.2	1217.7
62.5°	724.7	814.8	908.6	1002.3	1081.9	1149.6	1198.0	1230.3	1245.7	1259.1	1269.9
65°	782.9	870.7	969.5	1064.1	1147.2	1212.4	1249.5	1273.0	1285.8	1298.7	1309.8
67.5°	837.9	930.0	1030.5	1134.9	1220.5	1269.0	1294.9	1306.6	1317.9	1334.1	1344.8
70°	886.2	987.0	1095.5	1207.9	1280.7	1309.0	1324.3	1340.3	1355.8	1365.4	1374.2
72.5°	928.4	1034.5	1149.1	1248.7	1310.2	1334.6	1350.9	1365.4	1378.5	1390.4	1402.6
75°	962.9	1071.8	1185.1	1281.1	1335.9	1355.4	1369.1	1383.4	1398.0	1413.3	1426.2
77.5°	987.2	1094.8	1219.0	1314.6	1356.0	1374.9	1386.4	1395.1	1411.2	1428.8	1446.0
80°	1010.7	1120.9	1248.0	1345.9	1376.3	1392.9	1397.4	1408.8	1419.3	1439.5	1462.2
82.5°	1030.8	1146.9	1275.7	1357.1	1388.9	1400.8	1408.4	1423.9	1436.0	1451.7	1469.9
85°	1042.8	1159.6	1294.9	1364.3	1394.3	1404.2	1418.6	1438.0	1450.6	1461.5	1465.1
87.5°	1050.7	1160.1	1303.8	1369.6	1398.2	1408.1	1422.4	1440.1	1449.6	1467.5	1479.0
90°	1043.3	1149.8	1300.3	1370.2	1399.5	1411.7	1422.2	1437.7	1439.3	1462.1	1479.2
92.5°	1050.7	1160.1	1303.8	1369.6	1398.2	1408.1	1422.4	1440.1	1449.6	1467.5	1479.0
95°	1042.8	1159.6	1294.9	1364.3	1394.3	1404.2	1418.6	1438.0	1450.6	1461.5	1465.1
97.5°	1030.8	1146.9	1275.7	1357.1	1388.9	1400.8	1408.4	1423.9	1436.0	1451.7	1469.9
100°	1010.7	1120.9	1248.0	1345.9	1376.3	1392.9	1397.4	1408.8	1419.3	1439.5	1462.2
102.5°	987.2	1094.8	1219.0	1314.6	1356.0	1374.9	1386.4	1395.1	1411.2	1428.8	1446.0
105°	962.9	1071.8	1185.1	1281.1	1335.9	1355.4	1369.1	1383.4	1398.0	1413.3	1426.2
107.5°	928.4	1034.5	1149.1	1248.7	1310.2	1334.6	1350.9	1365.4	1378.5	1390.4	1402.6
110°	886.2	987.0	1095.5	1207.9	1280.7	1309.0	1324.3	1340.3	1355.8	1365.4	1374.2



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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°	837.9	930.0	1030.5	1134.9	1220.5	1269.0	1294.9	1306.6	1317.9	1334.1	1344.8
115°	782.9	870.7	969.5	1064.1	1147.2	1212.4	1249.5	1273.0	1285.8	1298.7	1309.8
117.5°	724.7	814.8	908.6	1002.3	1081.9	1149.6	1198.0	1230.3	1245.7	1259.1	1269.9
120°	666.9	746.3	836.7	927.5	1014.5	1088.5	1146.3	1182.1	1197.3	1209.2	1217.7
122.5°	605.3	675.2	750.0	835.8	929.4	1003.6	1076.5	1114.0	1135.8	1151.8	1162.2
125°	545.3	604.2	666.4	735.7	807.7	887.8	958.3	1008.0	1045.1	1072.7	1091.3
127.5°	488.3	536.4	589.1	642.1	700.5	761.5	819.4	876.6	923.4	960.3	987.6
130°	433.7	472.5	516.3	559.0	606.3	655.3	704.0	752.1	794.3	830.3	860.0
132.5°	383.2	415.2	448.5	483.5	523.8	562.5	601.8	640.4	675.5	706.7	733.2
135°	340.0	364.1	387.6	418.0	449.0	481.8	510.4	540.1	566.8	590.2	609.7
137.5°	302.0	319.2	338.9	361.6	383.5	405.2	429.6	452.0	472.1	489.6	504.1
140°	267.8	280.7	296.5	313.0	329.0	345.6	362.5	377.8	391.3	402.9	412.3
142.5°	237.9	247.7	259.1	270.2	280.8	293.2	305.2	316.1	325.7	333.8	340.3
145°	210.0	217.4	225.4	233.0	240.5	248.8	256.4	263.1	268.8	273.3	276.6
147.5°	186.5	191.1	195.5	199.5	204.4	209.7	214.4	218.5	221.7	224.0	225.3
150°	164.9	167.9	170.4	172.4	175.3	177.6	179.5	180.8	181.5	181.5	180.9
152.5°	145.7	147.5	148.7	149.8	151.1	151.9	152.3	152.2	151.5	150.4	148.8
155°	129.3	130.9	132.1	132.9	133.2	133.0	132.3	131.2	129.6	127.7	125.5
157.5°	115.9	116.8	117.9	118.8	119.3	119.4	119.1	118.5	117.6	116.4	115.2
160°	106.8	108.4	109.2	109.7	109.8	109.8	109.4	108.9	108.2	107.3	106.3
162.5°	95.6	97.3	98.9	100.2	101.4	102.3	103.1	103.7	104.1	104.3	104.7
165°	81.6	83.4	85.2	86.7	88.2	89.5	90.6	91.5	92.3	92.9	93.7
167.5°	66.1	67.6	69.0	70.2	71.4	72.4	73.2	73.9	74.4	74.8	75.4
170°	52.3	53.0	53.6	54.2	54.6	54.9	55.2	55.3	55.4	55.7	55.3
172.5°	38.4	39.1	39.8	40.4	40.9	41.3	41.6	41.8	42.0	42.5	42.1
175°	23.3	23.6	23.8	24.0	24.2	24.3	24.4	24.4	24.7	24.4	24.2
177.5°	10.9	11.0	11.1	11.1	11.1	11.1	11.4	11.3	11.2	11.0	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



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	0.8	0.8
2.5°	10.7	10.6
5°	23.9	23.6
7.5°	41.8	41.5
10°	54.9	54.5
12.5°	75.1	74.8
15°	93.6	93.5
17.5°	104.4	104.1
20°	105.2	104.1
22.5°	113.3	111.4
25°	123.1	120.3
27.5°	146.9	143.9
30°	179.9	177.3
32.5°	226.1	224.4
35°	279.3	278.9
37.5°	345.9	347.2
40°	420.7	423.7
42.5°	517.3	522.9
45°	627.5	635.9
47.5°	757.7	770.1
50°	886.4	899.4
52.5°	1009.9	1017.3
55°	1105.0	1105.9
57.5°	1169.5	1167.7
60°	1224.4	1223.0
62.5°	1277.4	1280.7
65°	1318.4	1323.8
67.5°	1350.2	1351.5
70°	1381.0	1384.8
72.5°	1411.5	1416.5
75°	1435.3	1440.9
77.5°	1455.6	1461.3
80°	1471.9	1471.0
82.5°	1483.4	1485.7
85°	1484.2	1497.9
87.5°	1477.5	1501.9
90°	1478.3	1484.0
92.5°	1477.5	1501.9
95°	1484.2	1497.9
97.5°	1483.4	1485.7
100°	1471.9	1471.0
102.5°	1455.6	1461.3
105°	1435.3	1440.9
107.5°	1411.5	1416.5
110°	1381.0	1384.8





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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1350.2	1351.5
115°	1318.4	1323.8
117.5°	1277.4	1280.7
120°	1224.4	1223.0
122.5°	1169.5	1167.7
125°	1105.0	1105.9
127.5°	1009.9	1017.3
130°	886.4	899.4
132.5°	757.7	770.1
135°	627.5	635.9
137.5°	517.3	522.9
140°	420.7	423.7
142.5°	345.9	347.2
145°	279.3	278.9
147.5°	226.1	224.4
150°	179.9	177.3
152.5°	146.9	143.9
155°	123.1	120.3
157.5°	113.3	111.4
160°	105.2	104.1
162.5°	104.4	104.1
165°	93.6	93.5
167.5°	75.1	74.8
170°	54.9	54.5
172.5°	41.8	41.5
175°	23.9	23.6
177.5°	10.7	10.6
180°	0.0	0.0

(END OF REPORT)