

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: P231936

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231936  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-10)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-2-LD4-30-2STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
2FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (84) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

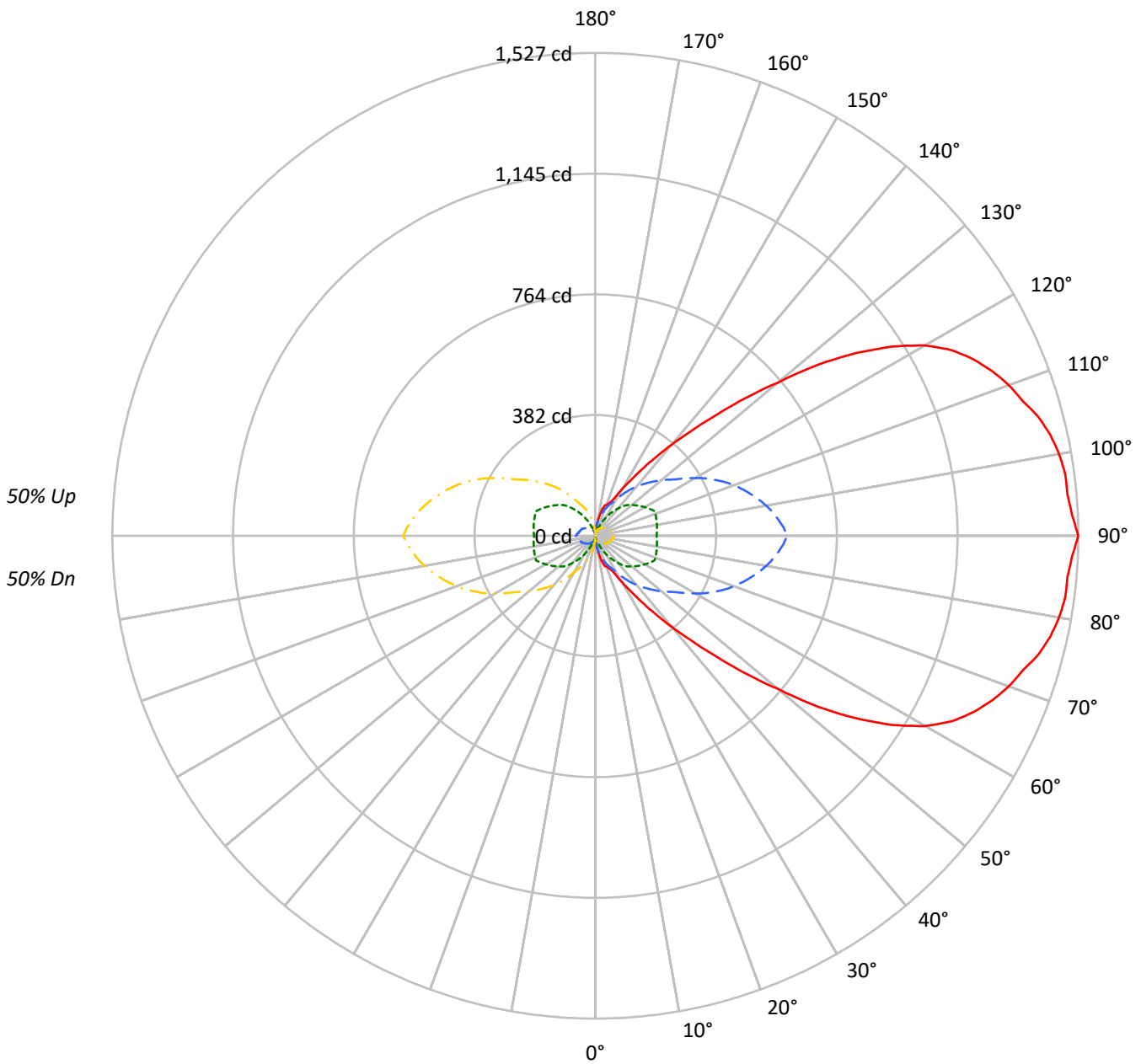
Lumens per Lamp: N/A  
Luminaire Lumens: 3374.5 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 33.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot



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



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

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

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

	0°	90°	180°	270°
0°	0	0	0	0
5°	617	208	0	208
10°	1215	411	0	411
15°	1882	621	0	621
20°	2051	836	0	836
25°	2215	1321	0	1321
30°	3010	2096	0	2096
35°	4298	2944	0	2944
40°	6133	3887	0	3887
45°	8539	4968	13	4968
50°	11764	5899	12	5899
55°	15557	7031	12	7031
60°	18552	8446	12	8446
65°	20447	10271	12	10271
70°	21846	12217	13	12217
75°	23250	14382	13	14382
80°	24572	17727	0	17727
85°	25683	23486	0	23486



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	10.9	0.3
20°-30°	29.4	0.9
30°-40°	67.0	2.0
40°-50°	130.8	3.9
50°-60°	232.6	6.9
60°-70°	342.2	10.1
70°-80°	417.0	12.4
80°-90°	455.9	13.5
90°-100°	455.9	13.5
100°-110°	417.0	12.4
110°-120°	342.2	10.1
120°-130°	232.6	6.9
130°-140°	130.8	3.9
140°-150°	67.0	2.0
150°-160°	29.4	0.9
160°-170°	10.9	0.3
170°-180°	1.5	0.0
0°-30°	41.8	1.2
0°-40°	108.8	3.2
0°-60°	472.1	14.0
0°-90°	1687.2	50.0
90°-120°	1215.1	36.0
90°-150°	1645.5	48.8
90°-180°	1687.0	50.0
0°-180°	3374.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	24	7	0	7	24	3
15°	88	21	0	21	88	25
25°	119	43	0	43	119	59
35°	255	90	0	90	255	167
45°	538	136	1	136	538	429
55°	1007	166	1	166	1007	899
65°	1320	196	1	196	1320	1303
75°	1451	200	1	200	1451	1529
85°	1498	196	0	196	1498	1224
90°	1527	194	0	194	1527	832
95°	1498	196	0	196	1498	1224
105°	1451	200	1	200	1451	1529
115°	1320	196	1	196	1320	1303
125°	1007	166	1	166	1007	899
135°	538	136	1	136	538	429
145°	255	90	0	90	255	167
155°	119	43	0	43	119	59
165°	88	21	0	21	88	25
175°	24	7	0	7	24	3
180°	0	0	0	0	0	



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.2	10.3	10.5	10.6	10.8	10.9	11.1	10.8	10.7	10.7	10.7
5°	23.5	23.8	24.1	24.4	24.7	24.3	24.4	24.3	24.2	24.1	23.9
7.5°	37.6	38.0	38.4	38.8	38.6	38.6	38.6	38.4	38.2	38.0	37.6
10°	51.7	52.2	52.7	53.2	52.8	52.8	52.7	52.5	52.2	51.8	51.3
12.5°	68.2	68.7	69.2	68.9	68.9	68.7	68.3	67.9	67.3	66.5	65.6
15°	87.8	88.1	88.4	87.7	87.2	86.6	85.7	84.8	83.6	82.3	80.9
17.5°	101.1	101.5	101.8	101.3	101.0	100.6	99.9	99.1	98.0	96.8	95.4
20°	103.4	104.4	105.4	106.1	106.7	107.3	107.6	107.8	107.7	107.4	106.8
22.5°	110.5	112.2	113.8	114.7	115.8	116.5	117.0	117.1	117.0	116.4	115.6
25°	119.1	121.5	123.6	125.4	127.0	128.3	129.1	129.6	129.7	129.3	128.5
27.5°	137.9	140.5	142.2	143.7	144.9	145.6	145.9	145.8	145.3	144.4	143.5
30°	170.8	172.9	173.4	173.7	173.2	172.1	170.5	168.4	165.8	162.8	161.3
32.5°	206.9	208.4	208.1	207.3	205.7	203.4	200.5	196.9	192.7	188.4	184.3
35°	254.7	255.2	252.9	250.1	246.2	241.3	235.5	229.0	221.8	215.8	209.8
37.5°	310.3	309.6	305.4	300.5	294.1	286.5	277.6	267.7	257.2	248.0	238.3
40°	376.2	374.6	368.3	361.0	351.7	340.5	327.4	312.8	298.5	285.1	271.1
42.5°	449.8	447.1	438.7	429.1	417.0	402.5	386.0	367.4	349.0	329.5	308.8
45°	537.6	533.8	522.5	509.6	493.3	474.0	451.8	430.0	404.9	380.6	355.9
47.5°	645.0	639.3	623.7	606.1	584.4	558.7	529.6	499.3	469.2	437.1	408.9
50°	753.9	748.7	732.1	712.5	687.1	656.1	619.5	582.0	543.2	503.7	468.6
52.5°	889.5	883.7	862.6	838.0	806.3	767.7	722.8	677.9	627.8	578.6	533.8
55°	1007.0	996.2	972.0	946.0	915.8	882.2	842.7	785.9	721.4	661.4	603.3
57.5°	1113.6	1097.2	1067.7	1036.8	1002.1	964.6	923.9	875.5	822.1	746.4	676.3
60°	1203.7	1182.0	1148.2	1113.2	1074.9	1034.3	991.4	945.4	891.0	824.1	749.5
62.5°	1271.1	1242.4	1208.9	1171.8	1132.0	1090.9	1049.4	1006.2	954.1	895.7	816.7
65°	1319.7	1291.9	1259.2	1221.1	1177.6	1135.1	1095.8	1053.4	1005.0	950.0	883.7
67.5°	1358.9	1333.1	1302.3	1265.8	1223.5	1180.6	1135.4	1089.9	1043.1	991.5	932.4
70°	1391.8	1369.7	1341.9	1307.2	1265.6	1219.8	1171.5	1121.9	1072.5	1023.7	970.4
72.5°	1416.9	1400.0	1377.2	1346.4	1304.9	1253.8	1202.0	1148.4	1099.5	1051.5	1001.7
75°	1450.6	1436.1	1414.3	1378.8	1331.5	1281.7	1227.4	1175.7	1124.9	1074.3	1023.8
77.5°	1473.3	1465.2	1448.7	1407.0	1356.0	1301.0	1252.1	1200.0	1146.3	1093.1	1039.4
80°	1489.0	1483.8	1468.2	1428.9	1375.0	1322.4	1269.7	1220.2	1161.9	1107.1	1051.4
82.5°	1498.4	1497.3	1484.6	1450.9	1393.0	1336.7	1280.8	1227.3	1173.2	1119.0	1065.6
85°	1498.4	1508.0	1503.3	1460.5	1401.9	1343.1	1290.2	1238.0	1183.1	1127.2	1074.5
87.5°	1508.6	1515.6	1497.3	1466.1	1409.3	1354.6	1299.0	1245.4	1186.3	1129.5	1077.8
90°	1526.6	1515.6	1491.3	1467.0	1410.6	1355.7	1299.3	1246.0	1182.6	1126.1	1076.0
92.5°	1508.6	1515.6	1497.3	1466.1	1409.3	1354.6	1299.0	1245.4	1186.3	1129.5	1077.8
95°	1498.4	1508.0	1503.3	1460.5	1401.9	1343.1	1290.2	1238.0	1183.1	1127.2	1074.5
97.5°	1498.4	1497.3	1484.6	1450.9	1393.0	1336.7	1280.8	1227.3	1173.2	1119.0	1065.6
100°	1489.0	1483.8	1468.2	1428.9	1375.0	1322.4	1269.7	1220.2	1161.9	1107.1	1051.4
102.5°	1473.3	1465.2	1448.7	1407.0	1356.0	1301.0	1252.1	1200.0	1146.3	1093.1	1039.4
105°	1450.6	1436.1	1414.3	1378.8	1331.5	1281.7	1227.4	1175.7	1124.9	1074.3	1023.8
107.5°	1416.9	1400.0	1377.2	1346.4	1304.9	1253.8	1202.0	1148.4	1099.5	1051.5	1001.7
110°	1391.8	1369.7	1341.9	1307.2	1265.6	1219.8	1171.5	1121.9	1072.5	1023.7	970.4



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1358.9	1333.1	1302.3	1265.8	1223.5	1180.6	1135.4	1089.9	1043.1	991.5	932.4
115°	1319.7	1291.9	1259.2	1221.1	1177.6	1135.1	1095.8	1053.4	1005.0	950.0	883.7
117.5°	1271.1	1242.4	1208.9	1171.8	1132.0	1090.9	1049.4	1006.2	954.1	895.7	816.7
120°	1203.7	1182.0	1148.2	1113.2	1074.9	1034.3	991.4	945.4	891.0	824.1	749.5
122.5°	1113.6	1097.2	1067.7	1036.8	1002.1	964.6	923.9	875.5	822.2	746.4	676.3
125°	1007.0	996.2	972.0	946.0	915.8	882.2	842.7	785.9	721.4	661.4	603.3
127.5°	889.5	883.7	862.6	838.0	806.3	767.7	722.8	677.9	627.8	578.6	533.8
130°	753.9	748.7	732.1	712.5	687.1	656.1	619.5	582.0	543.2	503.7	468.6
132.5°	645.0	639.3	623.7	606.1	584.4	558.7	529.6	499.3	469.2	437.1	408.9
135°	537.6	533.8	522.5	509.6	493.3	474.0	451.8	430.0	404.9	380.6	355.9
137.5°	449.8	447.1	438.7	429.1	417.0	402.5	386.0	367.4	349.0	329.5	308.8
140°	376.2	374.6	368.3	361.0	351.7	340.5	327.4	312.8	298.5	285.1	271.1
142.5°	310.3	309.6	305.4	300.5	294.1	286.5	277.6	267.7	257.2	248.0	238.3
145°	254.7	255.2	252.9	250.1	246.2	241.3	235.5	229.0	221.8	215.8	209.8
147.5°	206.9	208.4	208.1	207.3	205.8	203.4	200.5	196.9	192.7	188.4	184.3
150°	170.8	172.9	173.4	173.7	173.2	172.1	170.5	168.4	165.8	162.8	161.3
152.5°	137.9	140.5	142.2	143.7	144.9	145.6	145.9	145.8	145.3	144.4	143.5
155°	119.1	121.5	123.6	125.4	127.0	128.3	129.1	129.6	129.7	129.3	128.5
157.5°	110.5	112.2	113.8	114.7	115.8	116.5	117.0	117.1	117.0	116.4	115.6
160°	103.4	104.4	105.4	106.1	106.7	107.3	107.6	107.8	107.7	107.4	106.8
162.5°	101.1	101.5	101.8	101.3	101.0	100.6	99.9	99.1	98.0	96.8	95.4
165°	87.8	88.1	88.4	87.7	87.2	86.6	85.7	84.8	83.6	82.3	80.9
167.5°	68.2	68.7	69.2	68.9	68.9	68.7	68.3	67.9	67.3	66.5	65.6
170°	51.7	52.2	52.7	53.2	52.8	52.8	52.7	52.5	52.2	51.8	51.3
172.5°	37.6	38.0	38.4	38.8	38.6	38.6	38.6	38.4	38.2	38.0	37.6
175°	23.5	23.8	24.1	24.4	24.7	24.3	24.4	24.3	24.2	24.1	23.9
177.5°	10.2	10.3	10.5	10.6	10.8	10.9	11.1	10.8	10.7	10.7	10.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.6	10.5	10.4	10.3	10.2	10.0	9.8	9.6	9.4	9.2	8.9
5°	23.6	23.3	23.0	22.6	22.1	21.6	21.1	20.5	19.9	19.2	18.5
7.5°	37.2	36.7	36.1	35.5	34.8	34.0	33.2	32.3	31.4	30.3	29.3
10°	50.7	50.0	49.2	48.3	47.3	46.3	45.1	43.9	42.6	41.3	39.9
12.5°	64.7	63.6	62.4	61.0	59.7	58.3	56.9	55.3	53.7	51.9	50.1
15°	79.4	77.8	76.0	74.3	72.6	70.7	68.7	66.7	64.6	62.5	60.3
17.5°	93.8	92.1	89.9	87.7	85.3	82.9	80.4	77.9	75.5	72.9	70.2
20°	106.0	104.3	102.1	99.7	97.1	94.3	91.5	88.6	85.7	82.8	79.8
22.5°	114.5	113.6	112.2	110.4	108.3	105.4	102.0	98.5	94.9	91.6	88.5
25°	127.3	125.8	123.7	121.1	118.5	115.8	112.5	108.7	104.6	100.3	96.3
27.5°	142.3	140.6	138.2	135.4	132.1	128.2	124.3	119.6	114.8	109.6	104.7
30°	159.5	157.3	155.1	151.6	147.8	143.2	138.3	132.6	127.8	124.1	120.3
32.5°	179.9	175.2	171.7	168.5	164.9	160.2	155.3	150.4	145.6	140.5	136.3
35°	203.4	197.1	191.6	185.9	181.4	178.0	174.1	168.7	163.0	157.5	151.9
37.5°	228.4	220.3	212.6	207.1	201.2	195.7	191.0	186.1	180.4	174.0	167.8
40°	257.5	246.4	237.1	229.2	222.0	215.1	208.9	202.8	196.9	190.4	183.3
42.5°	291.8	278.0	264.9	254.2	244.3	235.3	227.0	220.1	213.2	206.3	198.8
45°	334.9	313.2	296.3	280.9	267.9	256.0	246.3	237.1	229.7	222.1	214.0
47.5°	382.3	355.8	331.8	309.6	293.2	278.4	265.7	255.2	245.5	237.6	229.2
50°	432.6	401.1	370.7	343.9	319.4	301.4	286.1	272.9	262.1	252.4	244.2
52.5°	489.3	449.6	412.1	379.3	350.1	324.4	306.4	291.3	278.6	267.3	264.9
55°	550.8	500.7	457.0	416.0	381.3	351.2	325.6	310.0	301.7	296.6	295.1
57.5°	613.9	555.5	502.4	455.7	413.4	378.3	354.5	337.9	328.1	323.5	322.8
60°	675.4	609.8	549.2	494.0	451.1	415.1	385.8	364.7	353.4	348.3	348.4
62.5°	734.0	659.5	596.3	540.9	490.7	449.4	417.2	393.0	377.2	370.1	371.5
65°	793.3	712.8	645.6	584.8	530.4	483.9	446.4	417.9	400.1	392.0	393.2
67.5°	861.3	770.9	694.5	626.9	566.6	514.2	474.0	443.5	423.4	413.0	412.6
70°	903.8	825.2	741.7	665.4	600.9	545.3	500.5	466.8	443.9	432.5	429.9
72.5°	938.8	863.2	781.0	702.6	631.8	572.0	523.1	488.2	462.6	451.5	448.0
75°	964.9	891.2	812.0	734.7	657.8	595.3	545.5	508.6	483.0	469.7	463.9
77.5°	989.3	912.8	833.1	760.1	684.7	620.3	569.2	529.5	501.9	487.0	480.2
80°	1001.5	934.7	856.7	781.0	706.3	640.1	589.3	548.5	519.0	503.4	496.6
82.5°	1013.7	954.1	874.5	797.6	722.4	655.1	606.2	565.7	534.7	519.1	513.1
85°	1021.7	967.8	886.4	809.7	733.3	665.9	620.2	581.2	549.1	534.3	529.6
87.5°	1025.4	978.8	895.2	819.5	741.3	674.4	632.5	595.7	562.8	549.1	546.1
90°	1025.0	977.2	893.4	819.7	741.3	677.9	641.0	607.3	575.2	563.5	561.9
92.5°	1025.4	978.8	895.2	819.5	741.3	674.4	632.5	595.7	562.8	549.1	546.1
95°	1021.7	967.8	886.4	809.7	733.3	665.9	620.2	581.2	549.1	534.3	529.6
97.5°	1013.7	954.1	874.5	797.6	722.4	655.1	606.2	565.7	534.7	519.1	513.1
100°	1001.5	934.7	856.7	781.0	706.3	640.1	589.3	548.5	519.0	503.4	496.6
102.5°	989.3	912.8	833.1	760.1	684.7	620.3	569.2	529.5	501.9	487.0	480.2
105°	964.9	891.2	812.0	734.7	657.8	595.3	545.5	508.6	483.0	469.7	463.9
107.5°	938.8	863.2	781.0	702.6	631.8	572.0	523.1	488.2	462.6	451.5	448.0
110°	903.8	825.2	741.7	665.4	600.9	545.3	500.5	466.8	443.9	432.5	429.9





TEST NUMBER: P231936

CATALOG NUMBER: FVS4WM-2-LD4-30-2STD-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°	861.3	770.9	694.5	626.9	566.6	514.2	474.0	443.5	423.4	413.0	412.6
115°	793.3	712.8	645.6	584.8	530.4	483.9	446.4	417.9	400.1	392.0	393.2
117.5°	734.0	659.5	596.3	540.9	490.7	449.4	417.2	393.0	377.2	370.1	371.5
120°	675.4	609.8	549.2	494.0	451.1	415.1	385.8	364.7	353.4	348.3	348.4
122.5°	613.9	555.5	502.4	455.7	413.4	378.3	354.5	337.9	328.1	323.5	322.8
125°	550.8	500.7	457.0	416.0	381.3	351.2	325.6	310.0	301.7	296.6	295.1
127.5°	489.3	449.6	412.1	379.3	350.1	324.4	306.4	291.3	278.6	267.3	264.9
130°	432.6	401.1	370.7	343.9	319.4	301.4	286.1	272.9	262.1	252.4	244.2
132.5°	382.3	355.8	331.8	309.6	293.2	278.4	265.7	255.2	245.5	237.6	229.2
135°	334.9	313.2	296.3	280.9	267.9	256.0	246.3	237.1	229.7	222.1	214.0
137.5°	291.8	278.0	264.9	254.2	244.3	235.3	227.0	220.1	213.2	206.3	198.8
140°	257.5	246.4	237.1	229.2	222.0	215.1	208.9	202.8	196.9	190.4	183.3
142.5°	228.4	220.3	212.6	207.1	201.2	195.7	191.0	186.1	180.4	174.0	167.8
145°	203.4	197.1	191.6	185.9	181.4	178.0	174.1	168.7	163.0	157.5	151.9
147.5°	179.9	175.2	171.7	168.5	164.9	160.2	155.3	150.4	145.6	140.5	136.3
150°	159.5	157.3	155.1	151.6	147.8	143.2	138.3	132.6	127.8	124.1	120.3
152.5°	142.3	140.6	138.2	135.4	132.1	128.2	124.3	119.6	114.8	109.6	104.7
155°	127.3	125.8	123.7	121.1	118.5	115.8	112.5	108.7	104.6	100.3	96.3
157.5°	114.5	113.6	112.2	110.4	108.3	105.4	102.0	98.5	94.9	91.6	88.5
160°	106.0	104.3	102.1	99.7	97.1	94.3	91.5	88.6	85.7	82.8	79.8
162.5°	93.8	92.1	89.9	87.7	85.3	82.9	80.4	77.9	75.5	72.9	70.2
165°	79.4	77.8	76.0	74.3	72.6	70.7	68.7	66.7	64.6	62.5	60.3
167.5°	64.7	63.6	62.4	61.0	59.7	58.3	56.9	55.3	53.7	51.9	50.1
170°	50.7	50.0	49.2	48.3	47.3	46.3	45.1	43.9	42.6	41.3	39.9
172.5°	37.2	36.7	36.1	35.5	34.8	34.0	33.2	32.3	31.4	30.3	29.3
175°	23.6	23.3	23.0	22.6	22.1	21.6	21.1	20.5	19.9	19.2	18.5
177.5°	10.6	10.5	10.4	10.3	10.2	10.0	9.8	9.6	9.4	9.2	8.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.7	8.4	8.1	7.8	7.4	7.1	6.7	6.4	6.0	5.6	5.2
5°	17.7	16.9	16.1	15.5	14.8	14.1	13.4	12.7	11.9	11.1	10.3
7.5°	28.1	26.9	25.7	24.3	23.0	21.6	20.1	18.9	17.8	16.6	15.5
10°	38.4	36.8	35.3	33.5	31.6	29.8	27.8	25.8	23.7	22.1	20.5
12.5°	48.3	46.4	44.4	42.3	40.2	37.9	35.5	33.0	30.4	27.8	25.6
15°	58.0	55.6	53.5	50.8	48.3	45.7	43.1	40.1	37.1	33.9	30.7
17.5°	67.9	64.8	62.0	59.0	56.1	53.2	50.2	47.1	43.7	40.0	36.3
20°	76.8	73.6	70.5	67.2	63.8	60.3	57.0	53.6	50.2	46.1	41.8
22.5°	85.3	82.0	78.5	75.0	71.3	67.5	63.6	59.9	56.2	52.1	47.4
25°	92.6	89.4	86.0	82.3	80.0	77.4	74.6	71.6	68.5	65.1	60.7
27.5°	101.6	99.8	98.6	97.0	94.8	92.5	89.7	86.7	83.4	79.6	75.2
30°	117.1	114.2	112.1	110.8	109.1	106.8	104.3	101.4	98.6	94.2	89.8
32.5°	132.1	128.7	125.8	123.8	122.5	120.7	118.3	115.6	112.7	108.7	103.8
35°	147.1	142.7	139.3	136.6	135.1	133.9	131.8	129.6	126.7	123.2	118.0
37.5°	161.8	156.8	152.2	149.5	147.4	146.2	144.8	142.7	140.3	137.6	132.1
40°	176.7	170.4	165.6	161.4	159.4	158.1	157.3	155.5	153.5	151.2	146.2
42.5°	191.2	184.4	178.2	173.7	171.0	169.5	169.1	168.0	166.3	164.4	160.3
45°	205.9	197.9	191.2	185.8	181.7	180.8	180.5	180.2	178.8	177.4	174.4
47.5°	220.0	211.5	203.9	197.6	193.2	193.1	193.1	195.6	194.1	191.3	187.3
50°	234.6	226.4	226.3	226.1	224.5	221.8	220.0	216.9	212.3	206.5	200.1
52.5°	264.4	264.2	266.3	266.2	261.7	253.6	247.3	240.1	231.8	222.7	213.3
55°	296.4	299.2	303.5	307.7	301.3	289.1	276.9	265.0	252.5	239.8	227.1
57.5°	325.5	330.9	338.3	347.0	341.8	326.9	308.4	291.5	274.4	257.9	241.5
60°	352.1	359.9	370.7	382.7	383.3	366.9	341.7	319.5	297.6	276.7	256.5
62.5°	377.2	387.0	400.5	416.5	425.8	408.8	377.2	349.1	321.8	296.2	272.0
65°	400.6	412.2	428.2	448.7	468.7	450.2	414.7	379.9	347.0	316.3	287.9
67.5°	422.1	435.7	454.0	479.1	503.3	491.1	453.4	411.6	372.8	336.8	304.0
70°	442.1	458.4	479.7	506.2	528.7	517.9	475.9	427.5	384.0	344.3	309.0
72.5°	457.2	472.1	490.8	511.0	528.1	520.7	480.9	432.9	389.0	348.4	312.2
75°	468.5	482.3	500.7	518.2	529.6	523.4	484.6	437.4	393.5	352.2	315.0
77.5°	480.6	492.8	511.0	527.6	533.0	525.8	487.0	441.2	397.4	355.6	317.5
80°	493.4	503.6	521.9	538.7	537.7	527.8	488.3	444.2	400.8	358.7	319.8
82.5°	506.9	514.7	533.3	551.0	543.5	529.4	488.5	446.6	403.6	361.5	322.8
85°	520.8	526.3	545.2	564.2	549.8	532.0	489.1	449.5	406.9	364.7	323.9
87.5°	534.9	538.1	557.3	577.8	556.6	531.3	486.7	449.6	408.0	366.1	324.9
90°	549.4	550.9	570.5	590.9	562.7	530.5	484.3	449.8	409.1	367.5	326.0
92.5°	534.9	538.1	557.3	577.8	556.6	531.3	486.7	449.6	408.0	366.1	324.9
95°	520.8	526.3	545.2	564.2	549.8	532.0	489.1	449.5	406.9	364.7	323.9
97.5°	506.9	514.7	533.3	551.0	543.5	529.4	488.5	446.6	403.6	361.5	322.8
100°	493.4	503.6	521.9	538.7	537.7	527.8	488.3	444.2	400.8	358.7	319.8
102.5°	480.6	492.8	511.0	527.6	533.0	525.8	487.0	441.2	397.4	355.6	317.5
105°	468.5	482.3	500.7	518.2	529.6	523.4	484.6	437.4	393.5	352.2	315.0
107.5°	457.2	472.1	490.8	511.0	528.1	520.7	480.9	432.9	389.0	348.4	312.2
110°	442.1	458.4	479.7	506.2	528.7	517.9	475.9	427.5	384.0	344.3	309.0



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	422.1	435.7	454.0	479.1	503.3	491.1	453.4	411.6	372.8	336.8	304.0
115°	400.6	412.2	428.2	448.7	468.7	450.2	414.7	379.9	347.0	316.3	287.9
117.5°	377.2	387.0	400.5	416.5	425.8	408.8	377.2	349.1	321.8	296.2	272.0
120°	352.1	359.9	370.7	382.7	383.3	366.9	341.7	319.5	297.6	276.7	256.5
122.5°	325.5	330.9	338.3	347.0	341.8	326.9	308.4	291.5	274.4	257.9	241.5
125°	296.4	299.2	303.5	307.7	301.3	289.1	276.9	265.0	252.5	239.8	227.1
127.5°	264.4	264.2	266.3	266.2	261.7	253.6	247.3	240.1	231.8	222.7	213.3
130°	234.6	226.4	226.3	226.1	224.5	221.8	220.0	216.9	212.3	206.5	200.1
132.5°	220.0	211.5	203.9	197.6	193.2	193.1	195.1	195.6	194.1	191.3	187.3
135°	205.9	197.9	191.2	185.8	181.7	180.8	180.5	180.2	178.8	177.4	174.4
137.5°	191.2	184.4	178.2	173.7	171.0	169.5	169.1	168.0	166.3	164.4	160.3
140°	176.7	170.4	165.6	161.4	159.4	158.1	157.3	155.5	153.5	151.2	146.2
142.5°	161.8	156.8	152.2	149.5	147.4	146.2	144.8	142.7	140.3	137.6	132.1
145°	147.1	142.7	139.3	136.6	135.1	133.9	131.8	129.6	126.7	123.2	118.0
147.5°	132.1	128.7	125.8	123.8	122.5	120.7	118.3	115.6	112.7	108.7	103.8
150°	117.1	114.2	112.1	110.8	109.1	106.8	104.3	101.4	98.6	94.2	89.8
152.5°	101.6	99.8	98.6	97.0	94.8	92.5	89.7	86.7	83.4	79.6	75.2
155°	92.6	89.4	86.0	82.3	80.0	77.4	74.6	71.6	68.5	65.1	60.7
157.5°	85.3	82.0	78.5	75.0	71.3	67.5	63.6	59.9	56.2	52.1	47.4
160°	76.8	73.6	70.5	67.2	63.8	60.3	57.0	53.6	50.2	46.1	41.8
162.5°	67.9	64.8	62.0	59.0	56.1	53.2	50.2	47.1	43.7	40.0	36.3
165°	58.0	55.6	53.5	50.8	48.3	45.7	43.1	40.1	37.1	33.9	30.7
167.5°	48.3	46.4	44.4	42.3	40.2	37.9	35.5	33.0	30.4	27.8	25.6
170°	38.4	36.8	35.3	33.5	31.6	29.8	27.8	25.8	23.7	22.1	20.5
172.5°	28.1	26.9	25.7	24.3	23.0	21.6	20.1	18.9	17.8	16.6	15.5
175°	17.7	16.9	16.1	15.5	14.8	14.1	13.4	12.7	11.9	11.1	10.3
177.5°	8.7	8.4	8.1	7.8	7.4	7.1	6.7	6.4	6.0	5.6	5.2
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: P231936

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.8	4.3	3.9	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3
5°	9.5	8.7	7.8	7.0	6.9	6.9	6.9	6.8	6.7	6.6	6.5
7.5°	14.2	13.0	11.7	10.4	10.4	10.3	10.3	10.2	10.0	9.9	9.8
10°	18.9	17.3	15.6	13.9	13.8	13.8	13.6	13.5	13.3	13.1	12.9
12.5°	23.6	21.6	19.5	17.4	17.3	17.2	17.0	16.8	16.6	16.3	16.0
15°	28.2	25.8	23.4	20.9	20.7	20.6	20.3	20.1	19.8	19.5	19.1
17.5°	32.8	30.1	27.2	24.3	24.2	23.9	23.7	23.3	23.0	22.6	22.2
20°	37.5	34.3	31.1	27.8	27.6	27.3	27.0	26.6	26.1	25.7	25.4
22.5°	42.5	38.5	34.9	31.3	31.0	30.7	30.2	29.8	29.2	28.9	28.5
25°	55.7	51.1	47.1	43.0	42.2	41.3	40.1	38.8	37.4	36.2	35.0
27.5°	69.6	64.1	59.5	54.7	53.4	52.0	50.2	48.4	46.6	44.8	43.0
30°	83.5	77.1	71.9	66.3	64.5	62.6	60.2	57.6	55.3	53.0	50.6
32.5°	97.5	90.4	84.3	78.0	75.6	73.0	69.8	66.7	63.7	60.8	57.8
35°	111.5	103.8	96.7	89.7	86.6	83.2	79.3	75.5	71.8	68.2	64.7
37.5°	125.5	117.1	109.2	101.4	97.6	93.4	88.6	84.1	79.7	75.4	71.1
40°	139.5	130.5	121.7	113.0	108.5	103.4	97.7	92.3	87.1	82.4	77.0
42.5°	153.4	143.8	134.2	124.7	119.3	113.3	106.9	100.4	94.5	89.2	82.6
45°	167.1	157.1	146.7	136.4	130.1	123.1	115.5	108.2	101.8	95.2	87.9
47.5°	178.0	167.0	155.4	143.8	135.7	127.3	118.9	111.3	105.0	98.2	90.7
50°	189.1	176.8	164.1	151.2	141.2	131.1	121.7	113.5	106.7	99.5	91.5
52.5°	200.4	186.6	172.8	158.6	146.5	134.8	124.5	115.7	108.3	100.8	92.7
55°	212.0	196.4	181.5	166.0	151.7	138.4	127.1	117.9	110.0	102.3	94.4
57.5°	223.9	206.3	190.2	173.4	156.9	141.9	129.8	120.0	111.7	103.9	96.6
60°	236.0	216.1	199.0	180.8	162.0	145.4	132.4	122.2	113.5	105.9	99.5
62.5°	248.2	225.9	207.8	188.2	167.0	148.7	135.0	124.3	115.4	108.2	102.3
65°	260.7	235.8	216.6	195.6	172.0	152.1	137.7	126.5	117.4	110.8	105.5
67.5°	273.2	245.6	225.4	203.0	176.9	155.4	140.3	128.6	119.6	113.7	109.1
70°	277.1	248.6	225.8	202.0	175.7	154.1	138.9	127.4	118.9	113.9	109.9
72.5°	280.1	251.4	226.2	200.9	174.5	152.9	137.3	125.9	117.6	113.0	109.0
75°	282.9	254.3	227.5	199.9	173.4	151.7	135.7	124.4	116.4	112.1	108.2
77.5°	285.4	257.1	227.6	198.8	172.3	150.6	134.2	123.1	115.3	111.3	107.5
80°	287.8	260.9	227.7	197.8	171.3	149.6	132.7	121.8	114.4	110.6	106.9
82.5°	290.7	263.3	227.8	196.7	170.3	148.7	131.3	120.6	113.5	109.9	106.3
85°	292.2	265.7	227.8	195.7	169.4	147.9	130.0	119.5	112.7	109.3	105.8
87.5°	293.8	268.0	227.9	194.6	168.5	147.2	128.8	118.5	112.0	108.7	105.4
90°	295.4	270.4	228.0	193.6	167.7	146.5	127.7	117.6	111.3	108.1	105.0
92.5°	293.8	268.0	227.9	194.6	168.5	147.2	128.8	118.5	112.0	108.7	105.4
95°	292.2	265.7	227.8	195.7	169.4	147.9	130.0	119.5	112.7	109.3	105.8
97.5°	290.7	263.3	227.8	196.7	170.3	148.7	131.3	120.6	113.5	109.9	106.3
100°	287.8	260.9	227.7	197.8	171.3	149.6	132.7	121.8	114.4	110.6	106.9
102.5°	285.4	257.1	227.6	198.8	172.3	150.6	134.2	123.1	115.3	111.3	107.5
105°	282.9	254.3	227.5	199.9	173.4	151.7	135.7	124.4	116.4	112.1	108.2
107.5°	280.1	251.4	226.2	200.9	174.5	152.9	137.3	125.9	117.6	113.0	109.0
110°	277.1	248.6	225.8	202.0	175.7	154.1	138.9	127.4	118.9	113.9	109.9



TEST NUMBER: P231936

CATALOG NUMBER: FVS4WM-2-LD4-30-2STD-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°	273.2	245.6	225.4	203.0	176.9	155.4	140.3	128.6	119.6	113.7	109.1
115°	260.7	235.8	216.6	195.6	172.0	152.1	137.7	126.5	117.4	110.8	105.5
117.5°	248.2	225.9	207.8	188.2	167.0	148.7	135.0	124.3	115.4	108.2	102.3
120°	236.0	216.1	199.0	180.8	162.0	145.4	132.4	122.2	113.5	105.9	99.5
122.5°	223.9	206.3	190.2	173.4	156.9	141.9	129.8	120.0	111.7	103.9	96.6
125°	212.0	196.4	181.5	166.0	151.7	138.4	127.1	117.9	110.0	102.3	94.4
127.5°	200.4	186.6	172.8	158.6	146.5	134.8	124.5	115.7	108.3	100.8	92.7
130°	189.1	176.8	164.1	151.2	141.2	131.1	121.7	113.5	106.7	99.5	91.5
132.5°	178.0	167.0	155.4	143.8	135.7	127.3	118.9	111.3	105.0	98.2	90.7
135°	167.1	157.1	146.7	136.4	130.1	123.1	115.5	108.2	101.8	95.2	87.9
137.5°	153.4	143.8	134.2	124.7	119.3	113.3	106.9	100.4	94.5	89.2	82.6
140°	139.5	130.5	121.7	113.0	108.5	103.4	97.7	92.3	87.1	82.4	77.0
142.5°	125.5	117.1	109.2	101.4	97.6	93.4	88.6	84.1	79.7	75.4	71.1
145°	111.5	103.8	96.7	89.7	86.6	83.2	79.3	75.5	71.8	68.2	64.7
147.5°	97.5	90.4	84.3	78.0	75.6	73.0	69.8	66.7	63.7	60.8	57.8
150°	83.5	77.1	71.9	66.3	64.5	62.6	60.2	57.6	55.3	53.0	50.6
152.5°	69.6	64.1	59.5	54.7	53.4	52.0	50.2	48.4	46.6	44.8	43.0
155°	55.7	51.1	47.1	43.0	42.2	41.3	40.1	38.8	37.4	36.2	35.0
157.5°	42.5	38.5	34.9	31.3	31.0	30.7	30.2	29.8	29.2	28.9	28.5
160°	37.5	34.3	31.1	27.8	27.6	27.3	27.0	26.6	26.1	25.7	25.4
162.5°	32.8	30.1	27.2	24.3	24.2	23.9	23.7	23.3	23.0	22.6	22.2
165°	28.2	25.8	23.4	20.9	20.7	20.6	20.3	20.1	19.8	19.5	19.1
167.5°	23.6	21.6	19.5	17.4	17.3	17.2	17.0	16.8	16.6	16.3	16.0
170°	18.9	17.3	15.6	13.9	13.8	13.8	13.6	13.5	13.3	13.1	12.9
172.5°	14.2	13.0	11.7	10.4	10.4	10.3	10.3	10.2	10.0	9.9	9.8
175°	9.5	8.7	7.8	7.0	6.9	6.9	6.9	6.8	6.7	6.6	6.5
177.5°	4.8	4.3	3.9	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.2	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4
5°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
7.5°	9.6	9.4	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.3	7.0
10°	12.7	12.4	12.1	11.8	11.5	11.2	10.9	10.5	10.2	9.8	9.4
12.5°	15.7	15.4	15.0	14.7	14.4	14.0	13.6	13.2	12.7	12.2	11.6
15°	18.7	18.4	18.1	17.7	17.3	16.8	16.2	15.6	15.0	14.4	13.7
17.5°	21.9	21.5	21.1	20.6	20.0	19.3	18.7	18.0	17.3	16.5	15.8
20°	25.0	24.6	24.0	23.3	22.6	21.9	21.1	20.3	19.5	18.8	18.1
22.5°	28.2	27.5	26.7	26.0	25.1	24.3	23.5	22.8	22.1	21.3	20.3
25°	33.5	31.8	30.2	28.6	27.7	26.9	26.2	25.4	24.4	23.4	22.3
27.5°	41.0	38.9	36.8	34.7	32.8	31.1	29.4	27.7	26.5	25.4	24.2
30°	48.1	45.5	42.8	40.2	37.7	35.4	33.2	31.1	29.2	27.5	26.1
32.5°	54.7	51.4	48.1	44.7	41.6	38.7	36.1	33.8	31.6	29.8	28.2
35°	60.8	56.8	52.4	48.4	44.7	41.4	38.4	35.8	33.7	31.7	29.5
37.5°	66.4	61.2	55.9	51.4	47.1	43.5	40.3	37.7	35.3	32.8	30.7
40°	71.4	64.9	59.0	53.7	49.2	45.1	42.1	39.2	36.4	34.2	32.3
42.5°	75.5	67.9	61.5	55.7	50.6	46.9	43.5	40.4	37.8	35.8	33.8
45°	79.1	70.8	63.5	57.4	52.3	48.3	44.7	41.7	39.5	37.3	35.2
47.5°	81.4	73.1	65.4	58.6	53.9	49.7	45.8	43.4	41.1	38.8	36.8
50°	82.6	74.8	67.4	61.0	55.8	51.0	47.6	45.1	42.6	40.4	38.2
52.5°	84.6	77.0	69.7	64.0	59.0	54.5	51.4	47.8	44.2	42.1	39.5
55°	87.0	79.6	72.6	67.3	62.6	59.2	56.2	52.7	48.6	44.6	40.8
57.5°	89.7	82.5	76.0	70.9	66.4	64.3	61.4	57.2	52.3	47.6	43.3
60°	92.8	85.6	79.7	74.9	71.5	69.8	66.7	61.0	55.3	50.0	45.2
62.5°	96.1	88.8	83.5	79.1	77.0	75.2	71.2	64.3	57.9	52.0	46.8
65°	99.6	92.6	87.5	83.5	82.8	80.9	74.9	67.2	60.1	53.7	48.1
67.5°	103.2	96.7	91.9	88.5	89.0	86.8	78.3	69.9	62.2	55.3	49.1
70°	104.6	99.2	95.4	94.0	94.8	91.6	81.5	72.3	64.0	56.6	50.0
72.5°	103.8	99.1	95.5	94.4	95.0	91.6	83.0	74.3	65.8	57.8	50.7
75°	103.3	99.2	95.5	94.6	94.5	90.5	83.4	75.3	66.7	58.9	51.7
77.5°	103.0	99.4	95.5	94.7	94.0	90.2	84.6	76.6	68.0	60.2	52.9
80°	102.8	99.7	95.6	94.5	93.5	90.6	86.4	78.1	69.5	61.8	54.3
82.5°	102.8	100.1	95.7	94.3	93.0	91.5	88.7	79.9	71.3	63.8	55.8
85°	102.9	100.7	95.8	94.0	92.6	92.7	91.3	81.9	73.3	66.0	57.5
87.5°	103.1	101.3	96.1	93.6	92.1	94.1	94.2	84.3	75.7	68.5	59.5
90°	103.4	101.9	96.4	93.3	91.7	95.6	97.2	87.0	78.4	71.3	61.9
92.5°	103.1	101.3	96.1	93.6	92.1	94.1	94.2	84.3	75.7	68.5	59.5
95°	102.9	100.7	95.8	94.0	92.6	92.7	91.3	81.9	73.3	66.0	57.5
97.5°	102.8	100.1	95.7	94.3	93.0	91.5	88.7	79.9	71.3	63.8	55.8
100°	102.8	99.7	95.6	94.5	93.5	90.6	86.4	78.1	69.5	61.8	54.3
102.5°	103.0	99.4	95.5	94.7	94.0	90.2	84.6	76.6	68.0	60.2	52.9
105°	103.3	99.2	95.5	94.6	94.5	90.5	83.4	75.3	66.7	58.9	51.7
107.5°	103.8	99.1	95.5	94.4	95.0	91.6	83.0	74.3	65.8	57.8	50.7
110°	104.6	99.2	95.4	94.0	94.8	91.6	81.5	72.3	64.0	56.6	50.0



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	103.2	96.7	91.9	88.5	89.0	86.8	78.3	69.9	62.2	55.3	49.1
115°	99.6	92.6	87.5	83.5	82.8	80.9	74.9	67.2	60.1	53.7	48.1
117.5°	96.1	88.8	83.5	79.1	77.0	75.2	71.2	64.3	57.9	52.0	46.8
120°	92.8	85.6	79.7	74.9	71.5	69.8	66.7	61.0	55.3	50.0	45.2
122.5°	89.7	82.5	76.0	70.9	66.4	64.3	61.4	57.2	52.3	47.6	43.3
125°	87.0	79.6	72.6	67.3	62.6	59.2	56.2	52.7	48.6	44.6	40.8
127.5°	84.6	77.0	69.7	64.0	59.0	54.5	51.4	47.8	44.2	42.1	39.5
130°	82.6	74.8	67.4	61.0	55.8	51.0	47.6	45.1	42.6	40.4	38.2
132.5°	81.4	73.1	65.4	58.6	53.9	49.7	45.8	43.4	41.1	38.8	36.8
135°	79.1	70.8	63.5	57.4	52.3	48.3	44.7	41.7	39.5	37.3	35.2
137.5°	75.5	67.9	61.5	55.7	50.6	46.9	43.5	40.4	37.8	35.8	33.8
140°	71.4	64.9	59.0	53.7	49.2	45.1	42.1	39.2	36.4	34.2	32.3
142.5°	66.4	61.2	55.9	51.4	47.1	43.5	40.3	37.7	35.3	32.8	30.7
145°	60.8	56.8	52.4	48.4	44.7	41.4	38.4	35.8	33.7	31.7	29.5
147.5°	54.7	51.4	48.1	44.7	41.6	38.7	36.1	33.8	31.6	29.8	28.2
150°	48.1	45.5	42.8	40.2	37.7	35.4	33.2	31.1	29.2	27.5	26.1
152.5°	41.0	38.9	36.8	34.7	32.8	31.1	29.4	27.7	26.5	25.4	24.2
155°	33.5	31.8	30.2	28.6	27.7	26.9	26.2	25.4	24.4	23.4	22.3
157.5°	28.2	27.5	26.7	26.0	25.1	24.3	23.5	22.8	22.1	21.3	20.3
160°	25.0	24.6	24.0	23.3	22.6	21.9	21.1	20.3	19.5	18.8	18.1
162.5°	21.9	21.5	21.1	20.6	20.0	19.3	18.7	18.0	17.3	16.5	15.8
165°	18.7	18.4	18.1	17.7	17.3	16.8	16.2	15.6	15.0	14.4	13.7
167.5°	15.7	15.4	15.0	14.7	14.4	14.0	13.6	13.2	12.7	12.2	11.6
170°	12.7	12.4	12.1	11.8	11.5	11.2	10.9	10.5	10.2	9.8	9.4
172.5°	9.6	9.4	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.3	7.0
175°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
177.5°	3.2	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4
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: P231936

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.3	2.2	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.2	1.0
5°	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.8	2.6	2.3	2.0
7.5°	6.7	6.4	6.1	5.7	5.4	5.0	4.6	4.2	3.8	3.4	3.0
10°	9.0	8.6	8.1	7.6	7.1	6.6	6.1	5.6	5.0	4.5	3.9
12.5°	11.1	10.5	9.9	9.3	8.7	8.1	7.4	6.8	6.1	5.5	4.8
15°	13.1	12.4	11.7	11.0	10.3	9.6	8.8	8.1	7.3	6.6	5.8
17.5°	15.1	14.4	13.6	12.8	12.1	11.2	10.3	9.4	8.5	7.6	6.7
20°	17.3	16.5	15.5	14.6	13.6	12.6	11.6	10.6	9.6	8.5	7.5
22.5°	19.3	18.3	17.2	16.1	15.0	13.9	12.8	11.7	10.6	9.4	8.3
25°	21.1	20.0	18.8	17.7	16.5	15.3	14.1	12.8	11.5	10.2	8.9
27.5°	22.9	21.7	20.5	19.2	17.8	16.3	14.9	13.5	12.1	10.8	9.5
30°	24.8	23.4	21.8	20.2	18.6	17.2	15.8	14.4	13.0	11.6	10.1
32.5°	26.3	24.5	22.8	21.4	19.9	18.4	16.9	15.4	13.9	12.3	10.8
35°	27.4	25.8	24.3	22.7	21.1	19.5	17.9	16.3	14.7	13.1	11.4
37.5°	29.0	27.3	25.6	24.0	22.3	20.6	18.9	17.0	15.2	13.4	11.7
40°	30.5	28.6	26.9	25.2	23.4	21.3	19.3	17.5	15.8	14.0	12.2
42.5°	31.8	30.0	28.2	26.1	23.9	22.0	20.2	18.3	16.2	14.2	12.3
45°	33.3	31.3	29.0	26.8	24.8	22.8	20.6	18.4	16.5	14.7	12.8
47.5°	34.7	32.3	30.0	27.8	25.5	23.1	21.0	19.1	17.2	15.3	13.5
50°	35.7	33.3	30.9	28.4	26.0	23.8	21.7	19.8	17.9	15.9	14.0
52.5°	36.8	34.2	31.6	29.0	26.7	24.6	22.5	20.5	18.5	16.5	14.5
55°	37.9	35.1	32.4	29.8	27.6	25.4	23.3	21.2	18.9	16.8	14.5
57.5°	39.4	36.0	33.2	30.8	28.5	26.3	23.9	21.5	19.2	16.7	14.3
60°	41.0	37.3	34.2	31.9	29.6	27.0	24.3	21.9	19.3	16.7	14.2
62.5°	42.2	38.2	35.0	32.5	30.1	27.4	25.0	22.3	19.5	16.7	14.2
65°	43.0	38.9	35.6	32.7	29.8	27.6	25.5	22.5	19.3	16.3	13.5
67.5°	43.7	39.4	35.9	32.5	29.5	27.0	24.7	22.1	18.8	15.6	12.8
70°	44.3	39.8	35.9	32.1	29.0	26.2	23.3	20.5	17.8	14.9	11.9
72.5°	44.7	40.1	35.7	31.7	28.2	25.1	21.9	19.1	16.4	13.7	11.0
75°	45.3	40.3	35.6	31.1	27.5	24.0	20.9	18.0	15.1	12.3	10.1
77.5°	46.4	40.8	35.4	30.7	26.7	23.1	20.1	17.0	14.0	11.6	9.2
80°	47.5	41.2	35.5	30.4	26.0	22.2	19.2	16.3	13.4	11.0	7.9
82.5°	48.6	41.8	35.7	30.2	25.3	21.2	17.8	14.9	12.6	9.9	6.6
85°	49.9	42.5	36.0	30.1	24.7	20.2	16.6	13.8	11.6	8.8	5.9
87.5°	51.4	43.4	36.6	30.2	24.3	19.3	15.6	13.0	10.8	8.5	5.9
90°	53.3	44.7	37.6	30.6	24.3	18.8	14.9	12.5	10.2	8.6	6.3
92.5°	51.4	43.4	36.6	30.2	24.3	19.3	15.6	13.0	10.8	8.5	5.9
95°	49.9	42.5	36.0	30.1	24.7	20.2	16.6	13.8	11.6	8.8	5.9
97.5°	48.6	41.8	35.7	30.2	25.3	21.2	17.8	14.9	12.6	9.9	6.6
100°	47.5	41.2	35.5	30.4	26.0	22.2	19.2	16.3	13.4	11.0	7.9
102.5°	46.4	40.8	35.4	30.7	26.7	23.1	20.1	17.0	14.0	11.6	9.2
105°	45.3	40.3	35.6	31.1	27.5	24.0	20.9	18.0	15.1	12.3	10.1
107.5°	44.7	40.1	35.7	31.7	28.2	25.1	21.9	19.1	16.4	13.7	11.0
110°	44.3	39.8	35.9	32.1	29.0	26.2	23.3	20.5	17.8	14.9	11.9





TEST NUMBER: P231936

CATALOG NUMBER: FVS4WM-2-LD4-30-2STD-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°	43.7	39.4	35.9	32.5	29.5	27.0	24.7	22.1	18.8	15.6	12.8
115°	43.0	38.9	35.6	32.7	29.8	27.6	25.5	22.5	19.3	16.3	13.5
117.5°	42.2	38.2	35.0	32.5	30.1	27.4	25.0	22.3	19.5	16.7	14.2
120°	41.0	37.3	34.2	31.9	29.6	27.0	24.3	21.9	19.3	16.7	14.2
122.5°	39.4	36.0	33.2	30.8	28.5	26.3	23.9	21.5	19.2	16.7	14.3
125°	37.9	35.1	32.4	29.8	27.6	25.4	23.3	21.2	18.9	16.8	14.5
127.5°	36.8	34.2	31.6	29.0	26.7	24.6	22.5	20.5	18.5	16.5	14.5
130°	35.7	33.3	30.9	28.4	26.0	23.8	21.7	19.8	17.9	15.9	14.0
132.5°	34.7	32.3	30.0	27.8	25.5	23.1	21.0	19.1	17.2	15.3	13.5
135°	33.3	31.3	29.0	26.8	24.8	22.8	20.6	18.4	16.5	14.7	12.8
137.5°	31.8	30.0	28.2	26.1	23.9	22.0	20.2	18.3	16.2	14.2	12.3
140°	30.5	28.6	26.9	25.2	23.4	21.3	19.3	17.5	15.8	14.0	12.2
142.5°	29.0	27.3	25.6	24.0	22.3	20.6	18.9	17.0	15.2	13.4	11.7
145°	27.4	25.8	24.3	22.7	21.1	19.5	17.9	16.3	14.7	13.1	11.4
147.5°	26.3	24.5	22.8	21.4	19.9	18.4	16.9	15.4	13.9	12.3	10.8
150°	24.8	23.4	21.8	20.2	18.6	17.2	15.8	14.4	13.0	11.6	10.1
152.5°	22.9	21.7	20.5	19.2	17.8	16.3	14.9	13.5	12.1	10.8	9.5
155°	21.1	20.0	18.8	17.7	16.5	15.3	14.1	12.8	11.5	10.2	8.9
157.5°	19.3	18.3	17.2	16.1	15.0	13.9	12.8	11.7	10.6	9.4	8.3
160°	17.3	16.5	15.5	14.6	13.6	12.6	11.6	10.6	9.6	8.5	7.5
162.5°	15.1	14.4	13.6	12.8	12.1	11.2	10.3	9.4	8.5	7.6	6.7
165°	13.1	12.4	11.7	11.0	10.3	9.6	8.8	8.1	7.3	6.6	5.8
167.5°	11.1	10.5	9.9	9.3	8.7	8.1	7.4	6.8	6.1	5.5	4.8
170°	9.0	8.6	8.1	7.6	7.1	6.6	6.1	5.6	5.0	4.5	3.9
172.5°	6.7	6.4	6.1	5.7	5.4	5.0	4.6	4.2	3.8	3.4	3.0
175°	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.8	2.6	2.3	2.0
177.5°	2.3	2.2	2.1	2.0	1.8	1.7	1.6	1.4	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: P231936

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	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	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
10°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
12.5°	4.1	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
15°	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
17.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
20°	6.4	5.4	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
22.5°	7.1	5.9	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
25°	7.6	6.3	5.1	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.1
27.5°	8.1	6.8	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
30°	8.7	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
32.5°	9.3	7.7	6.2	4.6	3.1	1.6	0.0	1.6	3.1	4.6	6.2
35°	9.7	8.0	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
37.5°	10.0	8.4	6.7	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.7
40°	10.4	8.6	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
42.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
45°	11.1	9.3	7.6	5.9	4.2	2.5	0.8	2.5	4.2	5.9	7.6
47.5°	11.7	9.9	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
50°	12.1	10.2	8.3	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.3
52.5°	12.5	10.3	8.3	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.3
55°	12.2	10.1	8.1	6.2	4.3	2.6	0.8	2.6	4.3	6.2	8.1
57.5°	11.9	9.9	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
60°	12.0	10.0	7.9	6.0	4.2	2.5	0.8	2.5	4.2	6.0	7.9
62.5°	11.7	9.4	7.4	5.6	3.9	2.3	0.8	2.3	3.9	5.6	7.4
65°	11.0	8.7	6.8	5.1	3.5	2.1	0.8	2.1	3.5	5.1	6.8
67.5°	10.2	8.0	6.0	4.4	3.0	1.9	0.8	1.9	3.0	4.4	6.0
70°	9.3	7.1	5.2	3.5	2.4	1.5	0.8	1.5	2.4	3.5	5.2
72.5°	8.6	6.5	4.5	2.8	2.0	1.4	0.8	1.4	2.0	2.8	4.5
75°	8.3	6.1	4.1	2.6	1.6	1.2	0.8	1.2	1.6	2.6	4.1
77.5°	7.2	5.5	3.4	1.7	0.6	0.1	0.0	0.1	0.6	1.7	3.4
80°	5.6	3.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
82.5°	3.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.6	3.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
102.5°	7.2	5.5	3.4	1.7	0.6	0.1	0.0	0.1	0.6	1.7	3.4
105°	8.3	6.1	4.1	2.6	1.6	1.2	0.8	1.2	1.6	2.6	4.1
107.5°	8.6	6.5	4.5	2.8	2.0	1.4	0.8	1.4	2.0	2.8	4.5
110°	9.3	7.1	5.2	3.5	2.4	1.5	0.8	1.5	2.4	3.5	5.2



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	10.2	8.0	6.0	4.4	3.0	1.9	0.8	1.9	3.0	4.4	6.0
115°	11.0	8.7	6.8	5.1	3.5	2.1	0.8	2.1	3.5	5.1	6.8
117.5°	11.7	9.4	7.4	5.6	3.9	2.3	0.8	2.3	3.9	5.6	7.4
120°	12.0	10.0	7.9	6.0	4.2	2.5	0.8	2.5	4.2	6.0	7.9
122.5°	11.9	9.9	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
125°	12.2	10.1	8.1	6.2	4.3	2.6	0.8	2.6	4.3	6.2	8.1
127.5°	12.5	10.3	8.3	6.3	4.5	2.6	0.8	2.6	4.5	6.3	8.3
130°	12.1	10.2	8.3	6.4	4.5	2.7	0.8	2.7	4.5	6.4	8.3
132.5°	11.7	9.9	8.0	6.2	4.4	2.6	0.8	2.6	4.4	6.2	8.0
135°	11.1	9.3	7.6	5.9	4.2	2.5	0.8	2.5	4.2	5.9	7.6
137.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
140°	10.4	8.6	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
142.5°	10.0	8.4	6.7	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.7
145°	9.7	8.0	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
147.5°	9.3	7.7	6.2	4.6	3.1	1.6	0.0	1.6	3.1	4.6	6.2
150°	8.7	7.3	5.8	4.4	2.9	1.5	0.0	1.5	2.9	4.4	5.8
152.5°	8.1	6.8	5.4	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.4
155°	7.6	6.3	5.1	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.1
157.5°	7.1	5.9	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
160°	6.4	5.4	4.3	3.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
162.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
165°	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.8	1.7	2.5	3.3
167.5°	4.1	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
170°	3.4	2.8	2.3	1.7	1.1	0.6	0.0	0.6	1.1	1.7	2.3
172.5°	2.6	2.2	1.7	1.3	0.9	0.4	0.0	0.4	0.9	1.3	1.7
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: P231936

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.7	0.9	1.0	1.2	1.3	1.4	1.6	1.7	1.8	2.0	2.1
5°	1.4	1.7	2.0	2.3	2.6	2.8	3.1	3.3	3.6	3.8	4.1
7.5°	2.2	2.6	3.0	3.4	3.8	4.2	4.6	5.0	5.4	5.7	6.1
10°	2.8	3.4	3.9	4.5	5.0	5.6	6.1	6.6	7.1	7.6	8.1
12.5°	3.5	4.1	4.8	5.5	6.1	6.8	7.4	8.1	8.7	9.3	9.9
15°	4.2	5.0	5.8	6.6	7.3	8.1	8.8	9.6	10.3	11.0	11.7
17.5°	4.8	5.7	6.7	7.6	8.5	9.4	10.3	11.2	12.1	12.8	13.6
20°	5.4	6.4	7.5	8.5	9.6	10.6	11.6	12.6	13.6	14.6	15.5
22.5°	5.9	7.1	8.3	9.4	10.6	11.7	12.8	13.9	15.0	16.1	17.2
25°	6.3	7.6	8.9	10.2	11.5	12.8	14.1	15.3	16.5	17.7	18.8
27.5°	6.8	8.1	9.5	10.8	12.1	13.5	14.9	16.3	17.8	19.2	20.5
30°	7.3	8.7	10.1	11.6	13.0	14.4	15.8	17.2	18.6	20.2	21.8
32.5°	7.7	9.3	10.8	12.3	13.9	15.4	16.9	18.4	19.9	21.4	22.8
35°	8.0	9.7	11.4	13.1	14.7	16.3	17.9	19.5	21.1	22.7	24.3
37.5°	8.4	10.0	11.7	13.4	15.2	17.0	18.9	20.6	22.3	24.0	25.6
40°	8.6	10.4	12.2	14.0	15.8	17.5	19.3	21.3	23.4	25.2	26.9
42.5°	8.8	10.5	12.3	14.2	16.2	18.3	20.2	22.0	23.9	26.1	28.2
45°	9.3	11.1	12.8	14.7	16.5	18.4	20.6	22.8	24.8	26.8	29.0
47.5°	9.9	11.7	13.5	15.3	17.2	19.1	21.0	23.1	25.5	27.8	30.0
50°	10.2	12.1	14.0	15.9	17.9	19.8	21.7	23.8	26.0	28.4	30.9
52.5°	10.3	12.5	14.5	16.5	18.5	20.5	22.5	24.6	26.7	29.0	31.6
55°	10.1	12.2	14.5	16.8	18.9	21.2	23.3	25.4	27.6	29.8	32.4
57.5°	9.9	11.9	14.3	16.7	19.2	21.5	23.9	26.3	28.5	30.8	33.2
60°	10.0	12.0	14.2	16.7	19.3	21.9	24.3	27.0	29.6	31.9	34.2
62.5°	9.4	11.7	14.2	16.7	19.5	22.3	25.0	27.4	30.1	32.5	35.0
65°	8.7	11.0	13.5	16.3	19.3	22.5	25.5	27.6	29.8	32.7	35.6
67.5°	8.0	10.2	12.8	15.6	18.8	22.1	24.7	27.0	29.5	32.5	35.9
70°	7.1	9.3	11.9	14.9	17.8	20.5	23.3	26.2	29.0	32.1	35.9
72.5°	6.5	8.6	11.0	13.7	16.4	19.1	21.9	25.1	28.2	31.7	35.7
75°	6.1	8.3	10.1	12.3	15.1	18.0	20.9	24.0	27.5	31.1	35.6
77.5°	5.5	7.2	9.2	11.6	14.0	17.0	20.1	23.1	26.7	30.7	35.4
80°	3.7	5.6	7.9	11.0	13.4	16.3	19.2	22.2	26.0	30.4	35.5
82.5°	1.8	3.9	6.6	9.9	12.6	14.9	17.8	21.2	25.3	30.2	35.7
85°	0.6	2.8	5.9	8.8	11.6	13.8	16.6	20.2	24.7	30.1	36.0
87.5°	0.2	2.7	5.9	8.5	10.8	13.0	15.6	19.3	24.3	30.2	36.6
90°	0.0	3.1	6.3	8.6	10.2	12.5	14.9	18.8	24.3	30.6	37.6
92.5°	0.2	2.7	5.9	8.5	10.8	13.0	15.6	19.3	24.3	30.2	36.6
95°	0.6	2.8	5.9	8.8	11.6	13.8	16.6	20.2	24.7	30.1	36.0
97.5°	1.8	3.9	6.6	9.9	12.6	14.9	17.8	21.2	25.3	30.2	35.7
100°	3.7	5.6	7.9	11.0	13.4	16.3	19.2	22.2	26.0	30.4	35.5
102.5°	5.5	7.2	9.2	11.6	14.0	17.0	20.1	23.1	26.7	30.7	35.4
105°	6.1	8.3	10.1	12.3	15.1	18.0	20.9	24.0	27.5	31.1	35.6
107.5°	6.5	8.6	11.0	13.7	16.4	19.1	21.9	25.1	28.2	31.7	35.7
110°	7.1	9.3	11.9	14.9	17.8	20.5	23.3	26.2	29.0	32.1	35.9



TEST NUMBER: P231936

CATALOG NUMBER: FVS4WM-2-LD4-30-2STD-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°	8.0	10.2	12.8	15.6	18.8	22.1	24.7	27.0	29.5	32.5	35.9
115°	8.7	11.0	13.5	16.3	19.3	22.5	25.5	27.6	29.8	32.7	35.6
117.5°	9.4	11.7	14.2	16.7	19.5	22.3	25.0	27.4	30.1	32.5	35.0
120°	10.0	12.0	14.2	16.7	19.3	21.9	24.3	27.0	29.6	31.9	34.2
122.5°	9.9	11.9	14.3	16.7	19.2	21.5	23.9	26.3	28.5	30.8	33.2
125°	10.1	12.2	14.5	16.8	18.9	21.2	23.3	25.4	27.6	29.8	32.4
127.5°	10.3	12.5	14.5	16.5	18.5	20.5	22.5	24.6	26.7	29.0	31.6
130°	10.2	12.1	14.0	15.9	17.9	19.8	21.7	23.8	26.0	28.4	30.9
132.5°	9.9	11.7	13.5	15.3	17.2	19.1	21.0	23.1	25.5	27.8	30.0
135°	9.3	11.1	12.8	14.7	16.5	18.4	20.6	22.8	24.8	26.8	29.0
137.5°	8.8	10.5	12.3	14.2	16.2	18.3	20.2	22.0	23.9	26.1	28.2
140°	8.6	10.4	12.2	14.0	15.8	17.5	19.3	21.3	23.4	25.2	26.9
142.5°	8.4	10.0	11.7	13.4	15.2	17.0	18.9	20.6	22.3	24.0	25.6
145°	8.0	9.7	11.4	13.1	14.7	16.3	17.9	19.5	21.1	22.7	24.3
147.5°	7.7	9.3	10.8	12.3	13.9	15.4	16.9	18.4	19.9	21.4	22.8
150°	7.3	8.7	10.1	11.6	13.0	14.4	15.8	17.2	18.6	20.2	21.8
152.5°	6.8	8.1	9.5	10.8	12.1	13.5	14.9	16.3	17.8	19.2	20.5
155°	6.3	7.6	8.9	10.2	11.5	12.8	14.1	15.3	16.5	17.7	18.8
157.5°	5.9	7.1	8.3	9.4	10.6	11.7	12.8	13.9	15.0	16.1	17.2
160°	5.4	6.4	7.5	8.5	9.6	10.6	11.6	12.6	13.6	14.6	15.5
162.5°	4.8	5.7	6.7	7.6	8.5	9.4	10.3	11.2	12.1	12.8	13.6
165°	4.2	5.0	5.8	6.6	7.3	8.1	8.8	9.6	10.3	11.0	11.7
167.5°	3.5	4.1	4.8	5.5	6.1	6.8	7.4	8.1	8.7	9.3	9.9
170°	2.8	3.4	3.9	4.5	5.0	5.6	6.1	6.6	7.1	7.6	8.1
172.5°	2.2	2.6	3.0	3.4	3.8	4.2	4.6	5.0	5.4	5.7	6.1
175°	1.4	1.7	2.0	2.3	2.6	2.8	3.1	3.3	3.6	3.8	4.1
177.5°	0.7	0.9	1.0	1.2	1.3	1.4	1.6	1.7	1.8	2.0	2.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1
5°	4.3	4.5	4.8	5.0	5.2	5.4	5.6	5.7	5.9	6.0	6.2
7.5°	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.7	9.0	9.2
10°	8.6	9.0	9.4	9.8	10.2	10.5	10.9	11.2	11.5	11.8	12.1
12.5°	10.5	11.1	11.6	12.2	12.7	13.2	13.6	14.0	14.4	14.7	15.0
15°	12.4	13.1	13.7	14.4	15.0	15.6	16.2	16.8	17.3	17.7	18.1
17.5°	14.4	15.1	15.8	16.5	17.3	18.0	18.7	19.3	20.0	20.6	21.1
20°	16.5	17.3	18.1	18.8	19.5	20.3	21.1	21.9	22.6	23.3	24.0
22.5°	18.3	19.3	20.3	21.3	22.1	22.8	23.5	24.3	25.1	26.0	26.7
25°	20.0	21.1	22.3	23.4	24.4	25.4	26.2	26.9	27.7	28.6	30.2
27.5°	21.7	22.9	24.2	25.4	26.5	27.7	29.4	31.1	32.8	34.7	36.8
30°	23.4	24.8	26.1	27.5	29.2	31.1	33.2	35.4	37.7	40.2	42.8
32.5°	24.5	26.3	28.2	29.8	31.6	33.8	36.1	38.7	41.6	44.7	48.1
35°	25.8	27.4	29.5	31.7	33.7	35.8	38.4	41.4	44.7	48.4	52.4
37.5°	27.3	29.0	30.7	32.8	35.3	37.7	40.3	43.5	47.1	51.4	55.9
40°	28.6	30.5	32.3	34.2	36.4	39.2	42.1	45.1	49.2	53.7	59.0
42.5°	30.0	31.8	33.8	35.8	37.8	40.4	43.5	46.9	50.6	55.7	61.5
45°	31.3	33.3	35.2	37.3	39.5	41.7	44.7	48.3	52.3	57.4	63.5
47.5°	32.3	34.7	36.8	38.8	41.1	43.4	45.8	49.7	53.9	58.6	65.4
50°	33.3	35.7	38.2	40.4	42.6	45.1	47.6	51.0	55.8	61.0	67.4
52.5°	34.2	36.8	39.5	42.1	44.2	47.8	51.4	54.5	59.1	64.0	69.7
55°	35.1	37.9	40.8	44.6	48.6	52.7	56.2	59.2	62.6	67.3	72.6
57.5°	36.0	39.4	43.3	47.6	52.3	57.2	61.4	64.3	66.4	70.9	76.0
60°	37.3	41.0	45.2	50.0	55.3	61.0	66.7	69.8	71.5	74.9	79.7
62.5°	38.2	42.2	46.8	52.0	57.9	64.3	71.2	75.2	77.0	79.1	83.5
65°	38.9	43.0	48.1	53.7	60.1	67.2	74.9	80.9	82.8	83.5	87.5
67.5°	39.4	43.7	49.1	55.3	62.2	69.9	78.3	86.8	89.0	88.5	91.9
70°	39.8	44.3	50.0	56.6	64.0	72.3	81.5	91.6	94.8	94.0	95.4
72.5°	40.1	44.7	50.7	57.8	65.8	74.3	83.0	91.6	95.0	94.4	95.5
75°	40.3	45.3	51.7	58.9	66.7	75.3	83.4	90.5	94.5	94.6	95.5
77.5°	40.8	46.4	52.9	60.2	68.0	76.6	84.6	90.2	94.0	94.7	95.5
80°	41.2	47.5	54.3	61.8	69.5	78.1	86.4	90.6	93.5	94.5	95.6
82.5°	41.8	48.6	55.8	63.8	71.3	79.9	88.7	91.5	93.0	94.3	95.7
85°	42.5	49.9	57.5	66.0	73.3	81.9	91.3	92.7	92.6	94.0	95.8
87.5°	43.4	51.4	59.5	68.5	75.7	84.3	94.2	94.1	92.1	93.6	96.1
90°	44.7	53.3	61.9	71.3	78.4	87.0	97.2	95.6	91.7	93.3	96.4
92.5°	43.4	51.4	59.5	68.5	75.7	84.3	94.2	94.1	92.1	93.6	96.1
95°	42.5	49.9	57.5	66.0	73.3	81.9	91.3	92.7	92.6	94.0	95.8
97.5°	41.8	48.6	55.8	63.8	71.3	79.9	88.7	91.5	93.0	94.3	95.7
100°	41.2	47.5	54.3	61.8	69.5	78.1	86.4	90.6	93.5	94.5	95.6
102.5°	40.8	46.4	52.9	60.2	68.0	76.6	84.6	90.2	94.0	94.7	95.5
105°	40.3	45.3	51.7	58.9	66.7	75.3	83.4	90.5	94.5	94.6	95.5
107.5°	40.1	44.7	50.7	57.8	65.8	74.3	83.0	91.6	95.0	94.4	95.5
110°	39.8	44.3	50.0	56.6	64.0	72.3	81.5	91.6	94.8	94.0	95.4



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	39.4	43.7	49.1	55.3	62.2	69.9	78.3	86.8	89.0	88.5	91.9
115°	38.9	43.0	48.1	53.7	60.1	67.2	74.9	80.9	82.8	83.5	87.5
117.5°	38.2	42.2	46.8	52.0	57.9	64.3	71.2	75.2	77.0	79.1	83.5
120°	37.3	41.0	45.2	50.0	55.3	61.0	66.7	69.8	71.5	74.9	79.7
122.5°	36.0	39.4	43.3	47.6	52.3	57.2	61.4	64.3	66.4	70.9	76.0
125°	35.1	37.9	40.8	44.6	48.6	52.7	56.2	59.2	62.6	67.3	72.6
127.5°	34.2	36.8	39.5	42.1	44.2	47.8	51.4	54.5	59.1	64.0	69.7
130°	33.3	35.7	38.2	40.4	42.6	45.1	47.6	51.0	55.8	61.0	67.4
132.5°	32.3	34.7	36.8	38.8	41.1	43.4	45.8	49.7	53.9	58.6	65.4
135°	31.3	33.3	35.2	37.3	39.5	41.7	44.7	48.3	52.3	57.4	63.5
137.5°	30.0	31.8	33.8	35.8	37.8	40.4	43.5	46.9	50.6	55.7	61.5
140°	28.6	30.5	32.3	34.2	36.4	39.2	42.1	45.1	49.2	53.7	59.0
142.5°	27.3	29.0	30.7	32.8	35.3	37.7	40.3	43.5	47.1	51.4	55.9
145°	25.8	27.4	29.5	31.7	33.7	35.8	38.4	41.4	44.7	48.4	52.4
147.5°	24.5	26.3	28.2	29.8	31.6	33.8	36.1	38.7	41.6	44.7	48.1
150°	23.4	24.8	26.1	27.5	29.2	31.1	33.2	35.4	37.7	40.2	42.8
152.5°	21.7	22.9	24.2	25.4	26.5	27.7	29.4	31.1	32.8	34.7	36.8
155°	20.0	21.1	22.3	23.4	24.4	25.4	26.2	26.9	27.7	28.6	30.2
157.5°	18.3	19.3	20.3	21.3	22.1	22.8	23.5	24.3	25.1	26.0	26.7
160°	16.5	17.3	18.1	18.8	19.5	20.3	21.1	21.9	22.6	23.3	24.0
162.5°	14.4	15.1	15.8	16.5	17.3	18.0	18.7	19.3	20.0	20.6	21.1
165°	12.4	13.1	13.7	14.4	15.0	15.6	16.2	16.8	17.3	17.7	18.1
167.5°	10.5	11.1	11.6	12.2	12.7	13.2	13.6	14.0	14.4	14.7	15.0
170°	8.6	9.0	9.4	9.8	10.2	10.5	10.9	11.2	11.5	11.8	12.1
172.5°	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.7	9.0	9.2
175°	4.3	4.5	4.8	5.0	5.2	5.4	5.6	5.7	5.9	6.0	6.2
177.5°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.9
5°	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.9	6.9	7.0	7.8
7.5°	9.4	9.6	9.8	9.9	10.0	10.2	10.3	10.3	10.4	10.4	11.7
10°	12.4	12.7	12.9	13.1	13.3	13.5	13.6	13.8	13.8	13.9	15.6
12.5°	15.4	15.7	16.0	16.3	16.6	16.8	17.0	17.2	17.3	17.4	19.5
15°	18.4	18.7	19.1	19.5	19.8	20.1	20.3	20.6	20.7	20.9	23.4
17.5°	21.5	21.9	22.2	22.6	23.0	23.3	23.7	23.9	24.2	24.3	27.2
20°	24.6	25.0	25.4	25.7	26.1	26.6	27.0	27.3	27.6	27.8	31.1
22.5°	27.5	28.2	28.5	28.9	29.2	29.8	30.2	30.7	31.0	31.3	34.9
25°	31.8	33.5	35.0	36.2	37.4	38.8	40.1	41.3	42.2	43.0	47.1
27.5°	38.9	41.0	43.0	44.8	46.6	48.4	50.2	52.0	53.4	54.7	59.5
30°	45.5	48.1	50.6	53.0	55.3	57.6	60.2	62.6	64.5	66.3	71.9
32.5°	51.4	54.7	57.8	60.8	63.7	66.7	69.8	73.0	75.6	78.0	84.3
35°	56.8	60.8	64.7	68.2	71.8	75.5	79.3	83.2	86.6	89.7	96.7
37.5°	61.2	66.4	71.1	75.4	79.7	84.1	88.6	93.4	97.6	101.4	109.2
40°	64.9	71.4	77.0	82.4	87.1	92.3	97.7	103.4	108.5	113.0	121.7
42.5°	67.9	75.5	82.6	89.2	94.5	100.4	106.9	113.3	119.3	124.7	134.2
45°	70.8	79.1	87.9	95.2	101.8	108.2	115.5	123.1	130.1	136.4	146.7
47.5°	73.1	81.4	90.7	98.2	105.0	111.3	118.9	127.3	135.7	143.8	155.4
50°	74.8	82.6	91.5	99.5	106.7	113.5	121.7	131.1	141.2	151.2	164.1
52.5°	77.0	84.6	92.7	100.8	108.3	115.7	124.5	134.8	146.5	158.6	172.8
55°	79.6	87.0	94.4	102.3	110.0	117.9	127.1	138.4	151.7	166.0	181.5
57.5°	82.5	89.7	96.6	103.9	111.7	120.0	129.8	141.9	156.9	173.4	190.2
60°	85.6	92.8	99.5	105.9	113.5	122.2	132.4	145.4	162.0	180.8	199.0
62.5°	88.8	96.1	102.3	108.2	115.4	124.3	135.0	148.7	167.0	188.2	207.8
65°	92.6	99.6	105.5	110.8	117.4	126.5	137.7	152.1	172.0	195.6	216.6
67.5°	96.7	103.2	109.1	113.7	119.6	128.6	140.3	155.4	176.9	203.0	225.4
70°	99.2	104.6	109.9	113.9	118.9	127.4	138.9	154.1	175.7	202.0	225.8
72.5°	99.1	103.8	109.0	113.0	117.6	125.9	137.3	152.9	174.5	200.9	226.2
75°	99.2	103.3	108.2	112.1	116.4	124.4	135.7	151.7	173.4	199.9	227.5
77.5°	99.4	103.0	107.5	111.3	115.3	123.1	134.2	150.6	172.3	198.8	227.6
80°	99.7	102.8	106.9	110.6	114.4	121.8	132.7	149.6	171.3	197.8	227.7
82.5°	100.1	102.8	106.3	109.9	113.5	120.6	131.3	148.7	170.3	196.7	227.8
85°	100.7	102.9	105.8	109.3	112.7	119.5	130.0	147.9	169.4	195.7	227.8
87.5°	101.3	103.1	105.4	108.7	112.0	118.5	128.8	147.2	168.5	194.6	227.9
90°	101.9	103.4	105.0	108.1	111.3	117.6	127.7	146.5	167.7	193.6	228.0
92.5°	101.3	103.1	105.4	108.7	112.0	118.5	128.8	147.2	168.5	194.6	227.9
95°	100.7	102.9	105.8	109.3	112.7	119.5	130.0	147.9	169.4	195.7	227.8
97.5°	100.1	102.8	106.3	109.9	113.5	120.6	131.3	148.7	170.3	196.7	227.8
100°	99.7	102.8	106.9	110.6	114.4	121.8	132.7	149.6	171.3	197.8	227.7
102.5°	99.4	103.0	107.5	111.3	115.3	123.1	134.2	150.6	172.3	198.8	227.6
105°	99.2	103.3	108.2	112.1	116.4	124.4	135.7	151.7	173.4	199.9	227.5
107.5°	99.1	103.8	109.0	113.0	117.6	125.9	137.3	152.9	174.5	200.9	226.2
110°	99.2	104.6	109.9	113.9	118.9	127.4	138.9	154.1	175.7	202.0	225.8





TEST NUMBER: P231936

CATALOG NUMBER: FVS4WM-2-LD4-30-2STD-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°	96.7	103.2	109.1	113.7	119.6	128.6	140.3	155.4	176.9	203.0	225.4
115°	92.6	99.6	105.5	110.8	117.4	126.5	137.7	152.1	172.0	195.6	216.6
117.5°	88.8	96.1	102.3	108.2	115.4	124.3	135.0	148.7	167.0	188.2	207.8
120°	85.6	92.8	99.5	105.9	113.5	122.2	132.4	145.4	162.0	180.8	199.0
122.5°	82.5	89.7	96.6	103.9	111.7	120.0	129.8	141.9	156.9	173.4	190.2
125°	79.6	87.0	94.4	102.3	110.0	117.9	127.1	138.4	151.7	166.0	181.5
127.5°	77.0	84.6	92.7	100.8	108.3	115.7	124.5	134.8	146.5	158.6	172.8
130°	74.8	82.6	91.5	99.5	106.7	113.5	121.7	131.1	141.2	151.2	164.1
132.5°	73.1	81.4	90.7	98.2	105.0	111.3	118.9	127.3	135.7	143.8	155.4
135°	70.8	79.1	87.9	95.2	101.8	108.2	115.5	123.1	130.1	136.4	146.7
137.5°	67.9	75.5	82.6	89.2	94.5	100.4	106.9	113.3	119.3	124.7	134.2
140°	64.9	71.4	77.0	82.4	87.1	92.3	97.7	103.4	108.5	113.0	121.7
142.5°	61.2	66.4	71.1	75.4	79.7	84.1	88.6	93.4	97.6	101.4	109.2
145°	56.8	60.8	64.7	68.2	71.8	75.5	79.3	83.2	86.6	89.7	96.7
147.5°	51.4	54.7	57.8	60.8	63.7	66.7	69.8	73.0	75.6	78.0	84.3
150°	45.5	48.1	50.6	53.0	55.3	57.6	60.2	62.6	64.5	66.3	71.9
152.5°	38.9	41.0	43.0	44.8	46.6	48.4	50.2	52.0	53.4	54.7	59.5
155°	31.8	33.5	35.0	36.2	37.4	38.8	40.1	41.3	42.2	43.0	47.1
157.5°	27.5	28.2	28.5	28.9	29.2	29.8	30.2	30.7	31.0	31.3	34.9
160°	24.6	25.0	25.4	25.7	26.1	26.6	27.0	27.3	27.6	27.8	31.1
162.5°	21.5	21.9	22.2	22.6	23.0	23.3	23.7	23.9	24.2	24.3	27.2
165°	18.4	18.7	19.1	19.5	19.8	20.1	20.3	20.6	20.7	20.9	23.4
167.5°	15.4	15.7	16.0	16.3	16.6	16.8	17.0	17.2	17.3	17.4	19.5
170°	12.4	12.7	12.9	13.1	13.3	13.5	13.6	13.8	13.8	13.9	15.6
172.5°	9.4	9.6	9.8	9.9	10.0	10.2	10.3	10.3	10.4	10.4	11.7
175°	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.9	6.9	7.0	7.8
177.5°	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	4.3	4.8	5.2	5.6	6.0	6.4	6.7	7.1	7.4	7.8	8.1
5°	8.7	9.5	10.3	11.1	11.9	12.7	13.4	14.1	14.8	15.5	16.1
7.5°	13.0	14.2	15.5	16.6	17.8	18.9	20.1	21.6	23.0	24.3	25.7
10°	17.3	18.9	20.5	22.1	23.7	25.8	27.8	29.8	31.6	33.5	35.3
12.5°	21.6	23.6	25.6	27.8	30.4	33.0	35.5	37.9	40.2	42.3	44.4
15°	25.8	28.2	30.7	33.9	37.1	40.1	43.1	45.7	48.3	50.8	53.5
17.5°	30.1	32.8	36.3	40.0	43.7	47.1	50.2	53.2	56.1	59.0	62.0
20°	34.3	37.5	41.8	46.1	50.2	53.6	57.0	60.3	63.8	67.2	70.5
22.5°	38.5	42.5	47.4	52.1	56.2	59.9	63.6	67.5	71.3	75.0	78.5
25°	51.1	55.7	60.7	65.1	68.5	71.6	74.6	77.4	80.0	82.3	86.0
27.5°	64.1	69.6	75.2	79.6	83.4	86.7	89.7	92.5	94.8	97.0	98.6
30°	77.1	83.5	89.8	94.2	98.6	101.4	104.3	106.8	109.1	110.8	112.1
32.5°	90.4	97.5	103.8	108.7	112.7	115.6	118.3	120.7	122.5	123.8	125.8
35°	103.8	111.5	118.0	123.2	126.7	129.6	131.8	133.9	135.1	136.6	139.3
37.5°	117.1	125.5	132.1	137.6	140.3	142.7	144.8	146.2	147.4	149.5	152.2
40°	130.5	139.5	146.2	151.2	153.5	155.5	157.3	158.1	159.4	161.4	165.6
42.5°	143.8	153.4	160.3	164.4	166.3	168.0	169.1	169.5	171.0	173.7	178.2
45°	157.1	167.1	174.4	177.4	178.8	180.2	180.5	180.8	181.7	185.8	191.2
47.5°	167.0	178.0	187.3	191.3	194.1	195.6	195.1	193.1	193.2	197.6	203.9
50°	176.8	189.1	200.1	206.5	212.3	216.9	220.0	221.8	224.5	226.1	226.3
52.5°	186.6	200.4	213.3	222.7	231.8	240.1	247.3	253.6	261.7	266.2	266.3
55°	196.4	212.0	227.1	239.8	252.5	265.0	276.9	289.1	301.3	307.7	303.5
57.5°	206.3	223.9	241.5	257.9	274.4	291.5	308.4	326.9	341.8	347.0	338.3
60°	216.1	236.0	256.5	276.7	297.6	319.5	341.7	366.9	383.3	382.7	370.7
62.5°	225.9	248.2	272.0	296.2	321.8	349.1	377.2	408.8	425.8	416.5	400.5
65°	235.8	260.7	287.9	316.3	347.0	379.9	414.7	450.2	468.7	448.7	428.2
67.5°	245.6	273.2	304.0	336.8	372.8	411.6	453.4	491.1	503.3	479.1	454.0
70°	248.6	277.1	309.0	344.3	384.0	427.5	475.9	517.9	528.7	506.2	479.7
72.5°	251.4	280.1	312.2	348.4	389.0	432.9	480.9	520.7	528.1	511.0	490.8
75°	254.3	282.9	315.0	352.2	393.5	437.4	484.6	523.4	529.6	518.2	500.7
77.5°	257.1	285.4	317.5	355.6	397.4	441.2	487.0	525.8	533.0	527.6	511.0
80°	260.9	287.8	319.8	358.7	400.8	444.2	488.3	527.8	537.7	538.7	521.9
82.5°	263.3	290.7	322.8	361.5	403.6	446.6	488.5	529.4	543.5	551.0	533.3
85°	265.7	292.2	323.9	364.7	406.9	449.5	489.1	532.0	549.8	564.2	545.2
87.5°	268.0	293.8	324.9	366.1	408.0	449.6	486.7	531.3	556.6	577.8	557.3
90°	270.4	295.4	326.0	367.5	409.1	449.8	484.3	530.5	562.7	590.9	570.5
92.5°	268.0	293.8	324.9	366.1	408.0	449.6	486.7	531.3	556.6	577.8	557.3
95°	265.7	292.2	323.9	364.7	406.9	449.5	489.1	532.0	549.8	564.2	545.2
97.5°	263.3	290.7	322.8	361.5	403.6	446.6	488.5	529.4	543.5	551.0	533.3
100°	260.9	287.8	319.8	358.7	400.8	444.2	488.3	527.8	537.7	538.7	521.9
102.5°	257.1	285.4	317.5	355.6	397.4	441.2	487.0	525.8	533.0	527.6	511.0
105°	254.3	282.9	315.0	352.2	393.5	437.4	484.6	523.4	529.6	518.2	500.7
107.5°	251.4	280.1	312.2	348.4	389.0	432.9	480.9	520.7	528.1	511.0	490.8
110°	248.6	277.1	309.0	344.3	384.0	427.5	475.9	517.9	528.7	506.2	479.7



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	245.6	273.2	304.0	336.8	372.8	411.6	453.4	491.1	503.3	479.1	454.0
115°	235.8	260.7	287.9	316.3	347.0	379.9	414.7	450.2	468.7	448.7	428.2
117.5°	225.9	248.2	272.0	296.2	321.8	349.1	377.2	408.8	425.8	416.5	400.5
120°	216.1	236.0	256.5	276.7	297.6	319.5	341.7	366.9	383.3	382.7	370.7
122.5°	206.3	223.9	241.5	257.9	274.4	291.5	308.4	326.9	341.8	347.0	338.3
125°	196.4	212.0	227.1	239.8	252.5	265.0	276.9	289.1	301.3	307.7	303.5
127.5°	186.6	200.4	213.3	222.7	231.8	240.1	247.3	253.6	261.7	266.2	266.3
130°	176.8	189.1	200.1	206.5	212.3	216.9	220.0	221.8	224.5	226.1	226.3
132.5°	167.0	178.0	187.3	191.3	194.1	195.6	195.1	193.1	193.2	197.6	203.9
135°	157.1	167.1	174.4	177.4	178.8	180.2	180.5	180.8	181.7	185.8	191.2
137.5°	143.8	153.4	160.3	164.4	166.3	168.0	169.1	169.5	171.0	173.7	178.2
140°	130.5	139.5	146.2	151.2	153.5	155.5	157.3	158.1	159.4	161.4	165.6
142.5°	117.1	125.5	132.1	137.6	140.3	142.7	144.8	146.2	147.4	149.5	152.2
145°	103.8	111.5	118.0	123.2	126.7	129.6	131.8	133.9	135.1	136.6	139.3
147.5°	90.4	97.5	103.8	108.7	112.7	115.6	118.3	120.7	122.5	123.8	125.8
150°	77.1	83.5	89.8	94.2	98.6	101.4	104.3	106.8	109.1	110.8	112.1
152.5°	64.1	69.6	75.2	79.6	83.4	86.7	89.7	92.5	94.8	97.0	98.6
155°	51.1	55.7	60.7	65.1	68.5	71.6	74.6	77.4	80.0	82.3	86.0
157.5°	38.5	42.5	47.4	52.1	56.2	59.9	63.6	67.5	71.3	75.0	78.5
160°	34.3	37.5	41.8	46.1	50.2	53.6	57.0	60.3	63.8	67.2	70.5
162.5°	30.1	32.8	36.3	40.0	43.7	47.1	50.2	53.2	56.1	59.0	62.0
165°	25.8	28.2	30.7	33.9	37.1	40.1	43.1	45.7	48.3	50.8	53.5
167.5°	21.6	23.6	25.6	27.8	30.4	33.0	35.5	37.9	40.2	42.3	44.4
170°	17.3	18.9	20.5	22.1	23.7	25.8	27.8	29.8	31.6	33.5	35.3
172.5°	13.0	14.2	15.5	16.6	17.8	18.9	20.1	21.6	23.0	24.3	25.7
175°	8.7	9.5	10.3	11.1	11.9	12.7	13.4	14.1	14.8	15.5	16.1
177.5°	4.3	4.8	5.2	5.6	6.0	6.4	6.7	7.1	7.4	7.8	8.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231936

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	8.4	8.7	8.9	9.2	9.4	9.6	9.8	10.0	10.2	10.3	10.4
5°	16.9	17.7	18.5	19.2	19.9	20.5	21.1	21.6	22.1	22.6	23.0
7.5°	26.9	28.1	29.3	30.3	31.4	32.3	33.2	34.0	34.8	35.5	36.1
10°	36.8	38.4	39.9	41.3	42.6	43.9	45.1	46.3	47.3	48.3	49.2
12.5°	46.4	48.3	50.1	51.9	53.7	55.3	56.9	58.3	59.7	61.0	62.4
15°	55.6	58.0	60.3	62.5	64.6	66.7	68.7	70.7	72.6	74.3	76.0
17.5°	64.8	67.9	70.2	72.9	75.5	77.9	80.4	82.9	85.3	87.7	89.9
20°	73.6	76.8	79.8	82.8	85.7	88.6	91.5	94.3	97.1	99.7	102.1
22.5°	82.0	85.3	88.5	91.6	94.9	98.5	102.0	105.4	108.3	110.4	112.2
25°	89.4	92.6	96.3	100.3	104.6	108.7	112.5	115.8	118.5	121.1	123.7
27.5°	99.8	101.6	104.7	109.6	114.8	119.6	124.3	128.2	132.1	135.4	138.2
30°	114.2	117.1	120.3	124.1	127.8	132.6	138.3	143.2	147.8	151.6	155.1
32.5°	128.7	132.1	136.3	140.5	145.6	150.4	155.3	160.2	164.9	168.5	171.7
35°	142.7	147.1	151.9	157.5	163.0	168.7	174.1	178.0	181.4	185.9	191.6
37.5°	156.8	161.8	167.8	174.0	180.4	186.1	191.0	195.7	201.2	207.1	212.6
40°	170.4	176.7	183.3	190.4	196.9	202.8	208.9	215.1	222.0	229.2	237.1
42.5°	184.4	191.2	198.8	206.3	213.2	220.1	227.0	235.3	244.3	254.2	264.9
45°	197.9	205.9	214.0	222.1	229.7	237.1	246.3	256.0	267.9	280.9	296.3
47.5°	211.5	220.0	229.2	237.6	245.5	255.2	265.7	278.4	293.2	309.6	331.8
50°	226.4	234.6	244.2	252.4	262.1	272.9	286.1	301.4	319.4	343.9	370.7
52.5°	264.2	264.4	264.9	267.3	278.6	291.3	306.4	324.4	350.1	379.3	412.1
55°	299.2	296.4	295.1	296.6	301.7	310.0	325.6	351.2	381.3	416.0	457.0
57.5°	330.9	325.5	322.8	323.5	328.1	337.9	354.5	378.3	413.4	455.7	502.4
60°	359.9	352.1	348.4	348.3	353.4	364.7	385.8	415.1	451.1	494.0	549.2
62.5°	387.0	377.2	371.5	370.1	377.2	393.0	417.2	449.4	490.7	540.9	596.3
65°	412.2	400.6	393.2	392.0	400.1	417.9	446.4	483.9	530.4	584.8	645.6
67.5°	435.7	422.1	412.6	413.0	423.4	443.5	474.0	514.2	566.6	626.9	694.5
70°	458.4	442.1	429.9	432.5	443.9	466.8	500.5	545.3	600.9	665.4	741.7
72.5°	472.1	457.2	448.0	451.5	462.6	488.2	523.1	572.0	631.8	702.6	781.0
75°	482.3	468.5	463.9	469.7	483.0	508.6	545.5	595.3	657.8	734.7	812.0
77.5°	492.8	480.6	480.2	487.0	501.9	529.5	569.2	620.3	684.7	760.1	833.1
80°	503.6	493.4	496.6	503.4	519.0	548.5	589.3	640.1	706.3	781.0	856.7
82.5°	514.7	506.9	513.1	519.1	534.7	565.7	606.2	655.1	722.4	797.6	874.5
85°	526.3	520.8	529.6	534.3	549.1	581.2	620.2	665.9	733.3	809.7	886.4
87.5°	538.1	534.9	546.1	549.1	562.8	595.7	632.5	674.4	741.3	819.5	895.2
90°	550.9	549.4	561.9	563.5	575.2	607.3	641.0	677.9	741.3	819.7	893.4
92.5°	538.1	534.9	546.1	549.1	562.8	595.7	632.5	674.4	741.3	819.5	895.2
95°	526.3	520.8	529.6	534.3	549.1	581.2	620.2	665.9	733.3	809.7	886.4
97.5°	514.7	506.9	513.1	519.1	534.7	565.7	606.2	655.1	722.4	797.6	874.5
100°	503.6	493.4	496.6	503.4	519.0	548.5	589.3	640.1	706.3	781.0	856.7
102.5°	492.8	480.6	480.2	487.0	501.9	529.5	569.2	620.3	684.7	760.1	833.1
105°	482.3	468.5	463.9	469.7	483.0	508.6	545.5	595.3	657.8	734.7	812.0
107.5°	472.1	457.2	448.0	451.5	462.6	488.2	523.1	572.0	631.8	702.6	781.0
110°	458.4	442.1	429.9	432.5	443.9	466.8	500.5	545.3	600.9	665.4	741.7



TEST NUMBER: P231936

CATALOG NUMBER: FVS4WM-2-LD4-30-2STD-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°	435.7	422.1	412.6	413.0	423.4	443.5	474.0	514.2	566.6	626.9	694.5
115°	412.2	400.6	393.2	392.0	400.1	417.9	446.4	483.9	530.4	584.8	645.6
117.5°	387.0	377.2	371.5	370.1	377.2	393.0	417.2	449.4	490.7	540.9	596.3
120°	359.9	352.1	348.4	348.3	353.4	364.7	385.8	415.1	451.1	494.0	549.2
122.5°	330.9	325.5	322.8	323.5	328.1	337.9	354.5	378.3	413.4	455.7	502.4
125°	299.2	296.4	295.1	296.6	301.7	310.0	325.6	351.2	381.3	416.0	457.0
127.5°	264.2	264.4	264.9	267.3	278.6	291.3	306.4	324.4	350.1	379.3	412.1
130°	226.4	234.6	244.2	252.4	262.1	272.9	286.1	301.4	319.4	343.9	370.7
132.5°	211.5	220.0	229.2	237.6	245.5	255.2	265.7	278.4	293.2	309.6	331.8
135°	197.9	205.9	214.0	222.1	229.7	237.1	246.3	256.0	267.9	280.9	296.3
137.5°	184.4	191.2	198.8	206.3	213.2	220.1	227.0	235.3	244.3	254.2	264.9
140°	170.4	176.7	183.3	190.4	196.9	202.8	208.9	215.1	222.0	229.2	237.1
142.5°	156.8	161.8	167.8	174.0	180.4	186.1	191.0	195.7	201.2	207.1	212.6
145°	142.7	147.1	151.9	157.5	163.0	168.7	174.1	178.0	181.4	185.9	191.6
147.5°	128.7	132.1	136.3	140.5	145.6	150.4	155.3	160.2	164.9	168.5	171.7
150°	114.2	117.1	120.3	124.1	127.8	132.6	138.3	143.2	147.8	151.6	155.1
152.5°	99.8	101.6	104.7	109.6	114.8	119.6	124.3	128.2	132.1	135.4	138.2
155°	89.4	92.6	96.3	100.3	104.6	108.7	112.5	115.8	118.5	121.1	123.7
157.5°	82.0	85.3	88.5	91.6	94.9	98.5	102.0	105.4	108.3	110.4	112.2
160°	73.6	76.8	79.8	82.8	85.7	88.6	91.5	94.3	97.1	99.7	102.1
162.5°	64.8	67.9	70.2	72.9	75.5	77.9	80.4	82.9	85.3	87.7	89.9
165°	55.6	58.0	60.3	62.5	64.6	66.7	68.7	70.7	72.6	74.3	76.0
167.5°	46.4	48.3	50.1	51.9	53.7	55.3	56.9	58.3	59.7	61.0	62.4
170°	36.8	38.4	39.9	41.3	42.6	43.9	45.1	46.3	47.3	48.3	49.2
172.5°	26.9	28.1	29.3	30.3	31.4	32.3	33.2	34.0	34.8	35.5	36.1
175°	16.9	17.7	18.5	19.2	19.9	20.5	21.1	21.6	22.1	22.6	23.0
177.5°	8.4	8.7	8.9	9.2	9.4	9.6	9.8	10.0	10.2	10.3	10.4
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: P231936

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

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.5	10.6	10.7	10.7	10.7	10.8	11.1	10.9	10.8	10.6	10.5
5°	23.3	23.6	23.9	24.1	24.2	24.3	24.4	24.3	24.7	24.4	24.1
7.5°	36.7	37.2	37.6	38.0	38.2	38.4	38.6	38.6	38.6	38.8	38.4
10°	50.0	50.7	51.3	51.8	52.2	52.5	52.7	52.8	52.8	53.2	52.7
12.5°	63.6	64.7	65.6	66.5	67.3	67.9	68.3	68.7	68.9	68.9	69.2
15°	77.8	79.4	80.9	82.3	83.6	84.8	85.7	86.6	87.2	87.7	88.4
17.5°	92.1	93.8	95.4	96.8	98.0	99.1	99.9	100.6	101.0	101.3	101.8
20°	104.3	106.0	106.8	107.4	107.7	107.8	107.6	107.3	106.7	106.1	105.4
22.5°	113.6	114.5	115.6	116.4	117.0	117.1	117.0	116.5	115.8	114.7	113.8
25°	125.8	127.3	128.5	129.3	129.7	129.6	129.1	128.3	127.0	125.4	123.6
27.5°	140.6	142.3	143.5	144.4	145.3	145.8	145.9	145.6	144.9	143.7	142.2
30°	157.3	159.5	161.3	162.8	165.8	168.4	170.5	172.1	173.2	173.7	173.4
32.5°	175.2	179.9	184.3	188.4	192.7	196.9	200.5	203.4	205.8	207.3	208.1
35°	197.1	203.4	209.8	215.8	221.8	229.0	235.5	241.3	246.2	250.1	252.9
37.5°	220.3	228.4	238.3	248.0	257.2	267.7	277.6	286.5	294.1	300.5	305.4
40°	246.4	257.5	271.1	285.1	298.5	312.8	327.4	340.5	351.7	361.0	368.3
42.5°	278.0	291.8	308.8	329.5	349.0	367.4	386.0	402.5	417.0	429.1	438.7
45°	313.2	334.9	355.9	380.6	404.9	430.0	451.8	474.0	493.3	509.6	522.5
47.5°	355.8	382.3	408.9	437.1	469.2	499.3	529.6	558.7	584.4	606.1	623.7
50°	401.1	432.6	468.6	503.7	543.2	582.0	619.5	656.1	687.1	712.5	732.1
52.5°	449.6	489.3	533.8	578.6	627.8	677.9	722.8	767.7	806.3	838.0	862.6
55°	500.7	550.8	603.3	661.4	721.4	785.9	842.7	882.2	915.8	946.0	972.0
57.5°	555.5	613.9	676.3	746.4	822.1	875.5	923.9	964.6	1002.1	1036.8	1067.7
60°	609.8	675.4	749.5	824.1	891.0	945.4	991.4	1034.3	1074.9	1113.2	1148.2
62.5°	659.5	734.0	816.7	895.7	954.1	1006.2	1049.4	1090.9	1132.0	1171.8	1208.9
65°	712.8	793.3	883.7	950.0	1005.0	1053.4	1095.8	1135.1	1177.6	1221.1	1259.2
67.5°	770.9	861.3	932.4	991.5	1043.1	1089.9	1135.4	1180.6	1223.5	1265.8	1302.3
70°	825.2	903.8	970.4	1023.7	1072.5	1121.9	1171.5	1219.8	1265.6	1307.2	1341.9
72.5°	863.2	938.8	1001.7	1051.5	1099.5	1148.4	1202.0	1253.8	1304.9	1346.4	1377.2
75°	891.2	964.9	1023.8	1074.3	1124.9	1175.7	1227.4	1281.7	1331.5	1378.8	1414.3
77.5°	912.8	989.3	1039.4	1093.1	1146.3	1200.0	1252.1	1301.0	1356.0	1407.0	1448.7
80°	934.7	1001.5	1051.4	1107.1	1161.9	1220.2	1269.7	1322.4	1375.0	1428.9	1468.2
82.5°	954.1	1013.7	1065.6	1119.0	1173.2	1227.3	1280.8	1336.7	1393.0	1450.9	1484.6
85°	967.8	1021.7	1074.5	1127.2	1183.1	1238.0	1290.2	1343.1	1401.9	1460.5	1503.3
87.5°	978.8	1025.4	1077.8	1129.5	1186.3	1245.4	1299.0	1354.6	1409.3	1466.1	1497.3
90°	977.2	1025.0	1076.0	1126.1	1182.6	1246.0	1299.3	1355.7	1410.6	1467.0	1491.3
92.5°	978.8	1025.4	1077.8	1129.5	1186.3	1245.4	1299.0	1354.6	1409.3	1466.1	1497.3
95°	967.8	1021.7	1074.5	1127.2	1183.1	1238.0	1290.2	1343.1	1401.9	1460.5	1503.3
97.5°	954.1	1013.7	1065.6	1119.0	1173.2	1227.3	1280.8	1336.7	1393.0	1450.9	1484.6
100°	934.7	1001.5	1051.4	1107.1	1161.9	1220.2	1269.7	1322.4	1375.0	1428.9	1468.2
102.5°	912.8	989.3	1039.4	1093.1	1146.3	1200.0	1252.1	1301.0	1356.0	1407.0	1448.7
105°	891.2	964.9	1023.8	1074.3	1124.9	1175.7	1227.4	1281.7	1331.5	1378.8	1414.3
107.5°	863.2	938.8	1001.7	1051.5	1099.5	1148.4	1202.0	1253.8	1304.9	1346.4	1377.2
110°	825.2	903.8	970.4	1023.7	1072.5	1121.9	1171.5	1219.8	1265.6	1307.2	1341.9



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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°	770.9	861.3	932.4	991.5	1043.1	1089.9	1135.4	1180.6	1223.5	1265.8	1302.3
115°	712.8	793.3	883.7	950.0	1005.0	1053.4	1095.8	1135.1	1177.6	1221.1	1259.2
117.5°	659.5	734.0	816.7	895.7	954.1	1006.2	1049.4	1090.9	1132.0	1171.8	1208.9
120°	609.8	675.4	749.5	824.1	891.0	945.4	991.4	1034.3	1074.9	1113.2	1148.2
122.5°	555.5	613.9	676.3	746.4	822.1	875.5	923.9	964.6	1002.1	1036.8	1067.7
125°	500.7	550.8	603.2	661.4	721.4	785.9	842.7	882.2	915.8	946.0	972.0
127.5°	449.6	489.3	533.8	578.6	627.8	677.9	722.8	767.7	806.3	838.0	862.6
130°	401.1	432.6	468.6	503.7	543.2	582.0	619.5	656.1	687.1	712.5	732.1
132.5°	355.8	382.3	408.9	437.1	469.2	499.3	529.6	558.7	584.4	606.1	623.7
135°	313.2	334.9	355.9	380.6	404.9	430.0	451.8	474.0	493.3	509.6	522.5
137.5°	278.0	291.8	308.8	329.5	349.0	367.4	386.0	402.5	417.0	429.1	438.7
140°	246.4	257.5	271.1	285.1	298.5	312.8	327.4	340.5	351.7	361.0	368.3
142.5°	220.3	228.4	238.3	248.0	257.2	267.7	277.6	286.5	294.1	300.5	305.4
145°	197.1	203.4	209.8	215.8	221.8	229.0	235.5	241.3	246.2	250.1	252.9
147.5°	175.2	179.9	184.3	188.4	192.7	196.9	200.5	203.4	205.8	207.3	208.1
150°	157.3	159.5	161.3	162.8	165.8	168.4	170.5	172.1	173.2	173.7	173.4
152.5°	140.6	142.3	143.5	144.4	145.3	145.8	145.9	145.6	144.9	143.7	142.2
155°	125.8	127.3	128.5	129.3	129.7	129.6	129.1	128.3	127.0	125.4	123.6
157.5°	113.6	114.5	115.6	116.4	117.0	117.1	117.0	116.5	115.8	114.7	113.8
160°	104.3	106.0	106.8	107.4	107.7	107.8	107.6	107.3	106.7	106.1	105.4
162.5°	92.1	93.8	95.4	96.8	98.0	99.1	99.9	100.6	101.0	101.3	101.8
165°	77.8	79.4	80.9	82.3	83.6	84.8	85.7	86.6	87.2	87.7	88.4
167.5°	63.6	64.7	65.6	66.5	67.3	67.9	68.3	68.7	68.9	68.9	69.2
170°	50.0	50.7	51.3	51.8	52.2	52.5	52.7	52.8	52.8	53.2	52.7
172.5°	36.7	37.2	37.6	38.0	38.2	38.4	38.6	38.6	38.6	38.8	38.4
175°	23.3	23.6	23.9	24.1	24.2	24.3	24.4	24.3	24.7	24.4	24.1
177.5°	10.5	10.6	10.7	10.7	10.7	10.8	11.1	10.9	10.8	10.6	10.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	0.0	0.0
2.5°	10.3	10.2
5°	23.8	23.5
7.5°	38.0	37.6
10°	52.2	51.7
12.5°	68.7	68.2
15°	88.1	87.8
17.5°	101.5	101.1
20°	104.4	103.4
22.5°	112.2	110.5
25°	121.5	119.1
27.5°	140.5	137.9
30°	172.9	170.8
32.5°	208.4	206.9
35°	255.2	254.7
37.5°	309.6	310.3
40°	374.6	376.2
42.5°	447.1	449.8
45°	533.8	537.6
47.5°	639.3	645.0
50°	748.7	753.9
52.5°	883.7	889.5
55°	996.2	1007.0
57.5°	1097.2	1113.6
60°	1182.0	1203.7
62.5°	1242.4	1271.1
65°	1291.9	1319.7
67.5°	1333.1	1358.9
70°	1369.7	1391.8
72.5°	1400.0	1416.9
75°	1436.1	1450.6
77.5°	1465.2	1473.3
80°	1483.8	1489.0
82.5°	1497.3	1498.4
85°	1508.0	1498.4
87.5°	1515.6	1508.6
90°	1515.6	1526.6
92.5°	1515.6	1508.6
95°	1508.0	1498.4
97.5°	1497.3	1498.4
100°	1483.8	1489.0
102.5°	1465.2	1473.3
105°	1436.1	1450.6
107.5°	1400.0	1416.9
110°	1369.7	1391.8





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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1333.1	1358.9
115°	1291.9	1319.7
117.5°	1242.4	1271.1
120°	1182.0	1203.7
122.5°	1097.2	1113.6
125°	996.2	1007.0
127.5°	883.7	889.5
130°	748.7	753.9
132.5°	639.3	645.0
135°	533.8	537.6
137.5°	447.1	449.8
140°	374.6	376.2
142.5°	309.6	310.3
145°	255.2	254.7
147.5°	208.4	206.9
150°	172.9	170.8
152.5°	140.5	137.9
155°	121.5	119.1
157.5°	112.2	110.5
160°	104.4	103.4
162.5°	101.5	101.1
165°	88.1	87.8
167.5°	68.7	68.2
170°	52.2	51.7
172.5°	38.0	37.6
175°	23.8	23.5
177.5°	10.3	10.2
180°	0.0	0.0

(END OF REPORT)