

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: P231939

Luminaire Tested: **FVS4WM-2-LD4-50-2STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231939  
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-LD4-50-2STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
2FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (84) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

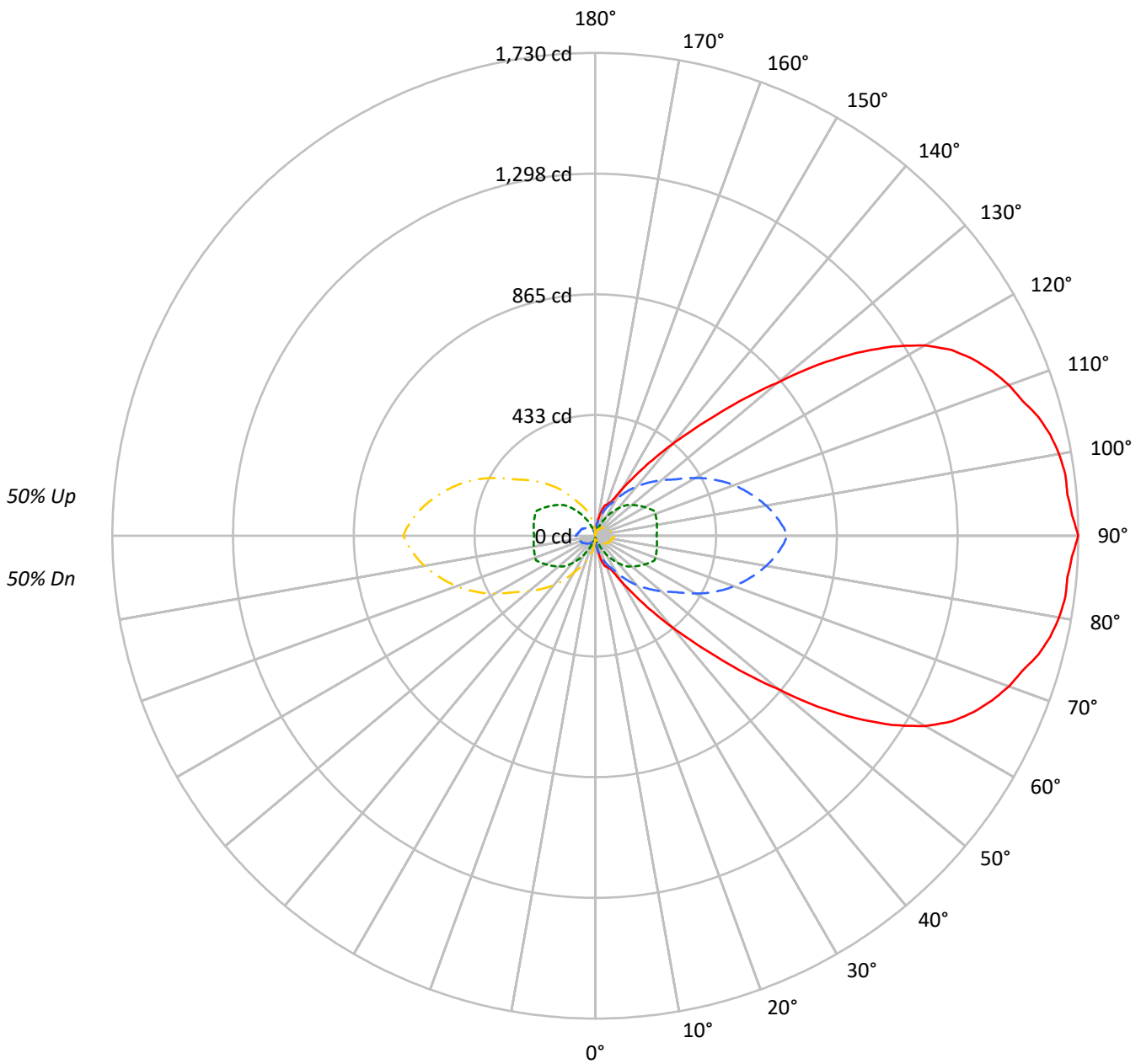
Lumens per Lamp: N/A  
Luminaire Lumens: 3823.3 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

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°	698	234	0	234
10°	1377	467	0	467
15°	2131	704	0	704
20°	2325	951	0	951
25°	2510	1496	0	1496
30°	3412	2377	0	2377
35°	4870	3334	0	3334
40°	6948	4406	0	4406
45°	9675	5627	14	5627
50°	13329	6683	14	6683
55°	17625	7967	14	7967
60°	21019	9567	14	9567
65°	23166	11637	14	11637
70°	24752	13838	14	13838
75°	26342	16289	14	16289
80°	27840	20083	0	20083
85°	29099	26606	0	26606



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.7	0.0
10°-20°	12.4	0.3
20°-30°	33.3	0.9
30°-40°	75.9	2.0
40°-50°	148.1	3.9
50°-60°	263.5	6.9
60°-70°	387.7	10.1
70°-80°	472.5	12.4
80°-90°	516.5	13.5
90°-100°	516.5	13.5
100°-110°	472.5	12.4
110°-120°	387.7	10.1
120°-130°	263.5	6.9
130°-140°	148.1	3.9
140°-150°	75.9	2.0
150°-160°	33.3	0.9
160°-170°	12.4	0.3
170°-180°	1.7	0.0
0°-30°	47.3	1.2
0°-40°	123.2	3.2
0°-60°	534.9	14.0
0°-90°	1911.7	50.0
90°-120°	1376.7	36.0
90°-150°	1864.3	48.8
90°-180°	1912.0	50.0
0°-180°	3823.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	27	8	0	8	27	4
15°	99	24	0	24	99	28
25°	135	49	0	49	135	67
35°	289	102	0	102	289	189
45°	609	154	1	154	609	487
55°	1141	188	1	188	1141	1018
65°	1495	222	1	222	1495	1477
75°	1644	226	1	226	1644	1733
85°	1698	222	0	222	1698	1387
90°	1730	219	0	219	1730	942
95°	1698	222	0	222	1698	1387
105°	1644	226	1	226	1644	1733
115°	1495	222	1	222	1495	1477
125°	1141	188	1	188	1141	1018
135°	609	154	1	154	609	487
145°	289	102	0	102	289	189
155°	135	49	0	49	135	67
165°	99	24	0	24	99	28
175°	27	8	0	8	27	4
180°	0	0	0	0	0	



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	11.5	11.7	11.8	12.0	12.2	12.3	12.5	12.1	12.1	12.1	12.1
5°	26.6	26.9	27.3	27.6	27.9	27.6	27.6	27.5	27.4	27.3	27.0
7.5°	42.6	43.1	43.5	44.0	43.7	43.7	43.7	43.6	43.3	43.0	42.6
10°	58.6	59.2	59.7	60.3	59.8	59.9	59.7	59.5	59.2	58.7	58.1
12.5°	77.2	77.7	78.3	78.0	78.0	77.8	77.4	76.8	76.2	75.3	74.3
15°	99.4	99.7	100.0	99.2	98.7	98.0	97.1	96.0	94.7	93.2	91.6
17.5°	114.5	114.9	115.3	114.8	114.4	113.9	113.1	112.2	111.0	109.6	108.0
20°	117.2	118.3	119.4	120.2	121.0	121.5	121.9	122.1	122.0	121.6	121.0
22.5°	125.2	127.1	128.9	130.0	131.2	132.0	132.5	132.7	132.5	132.0	131.0
25°	135.0	137.8	140.1	142.2	143.9	145.3	146.3	146.9	147.0	146.5	145.5
27.5°	156.3	159.2	161.2	162.9	164.2	165.0	165.3	165.2	164.6	163.7	162.6
30°	193.6	196.0	196.6	196.8	196.3	195.1	193.2	190.8	187.9	184.5	182.8
32.5°	234.4	236.2	235.7	234.9	233.1	230.5	227.2	223.1	218.4	213.5	208.8
35°	288.6	289.2	286.6	283.4	279.0	273.4	266.9	259.4	251.3	244.5	237.7
37.5°	351.6	350.8	346.1	340.5	333.3	324.6	314.5	303.3	291.4	281.0	270.0
40°	426.2	424.4	417.3	409.0	398.5	385.7	371.0	354.4	338.2	323.0	307.2
42.5°	509.7	506.6	497.1	486.2	472.5	456.1	437.3	416.3	395.4	373.3	349.8
45°	609.1	604.8	592.0	577.3	559.0	537.1	511.9	487.2	458.8	431.3	403.3
47.5°	730.7	724.3	706.6	686.7	662.1	633.0	600.0	565.7	531.7	495.2	463.3
50°	854.2	848.3	829.5	807.3	778.5	743.4	702.0	659.4	615.4	570.6	530.9
52.5°	1007.8	1001.2	977.4	949.5	913.5	869.9	818.9	768.1	711.4	655.6	604.8
55°	1140.9	1128.7	1101.3	1071.9	1037.6	999.5	954.8	890.4	817.4	749.4	683.5
57.5°	1261.7	1243.2	1209.7	1174.7	1135.4	1093.0	1046.8	992.0	931.5	845.7	766.3
60°	1363.8	1339.2	1300.9	1261.2	1217.8	1171.9	1123.2	1071.2	1009.5	933.7	849.2
62.5°	1440.2	1407.6	1369.7	1327.7	1282.6	1235.9	1188.9	1140.0	1080.9	1014.8	925.4
65°	1495.2	1463.8	1426.7	1383.5	1334.2	1286.1	1241.5	1193.4	1138.6	1076.3	1001.3
67.5°	1539.6	1510.4	1475.5	1434.2	1386.2	1337.7	1286.4	1234.8	1181.8	1123.3	1056.3
70°	1576.9	1551.8	1520.3	1481.0	1434.0	1382.1	1327.4	1271.2	1215.1	1159.8	1099.4
72.5°	1605.3	1586.2	1560.3	1525.4	1478.4	1420.6	1361.8	1301.1	1245.7	1191.3	1134.9
75°	1643.5	1627.1	1602.4	1562.2	1508.6	1452.1	1390.6	1332.0	1274.5	1217.1	1159.9
77.5°	1669.2	1660.1	1641.4	1594.1	1536.3	1474.0	1418.6	1359.6	1298.8	1238.4	1177.7
80°	1687.0	1681.1	1663.4	1618.9	1557.9	1498.2	1438.5	1382.4	1316.5	1254.4	1191.2
82.5°	1697.7	1696.4	1682.1	1643.8	1578.3	1514.5	1451.2	1390.5	1329.3	1267.8	1207.3
85°	1697.7	1708.6	1703.2	1654.8	1588.3	1521.7	1461.8	1402.7	1340.4	1277.2	1217.4
87.5°	1709.2	1717.2	1696.4	1661.1	1596.8	1534.8	1471.8	1411.1	1344.0	1279.8	1221.2
90°	1729.6	1717.2	1689.7	1662.1	1598.2	1536.1	1472.1	1411.8	1339.8	1275.9	1219.1
92.5°	1709.2	1717.2	1696.4	1661.1	1596.8	1534.8	1471.8	1411.1	1344.0	1279.8	1221.2
95°	1697.7	1708.6	1703.2	1654.8	1588.3	1521.7	1461.8	1402.7	1340.4	1277.2	1217.4
97.5°	1697.7	1696.4	1682.1	1643.8	1578.3	1514.5	1451.2	1390.5	1329.3	1267.8	1207.3
100°	1687.0	1681.1	1663.4	1618.9	1557.9	1498.2	1438.5	1382.4	1316.5	1254.4	1191.2
102.5°	1669.2	1660.1	1641.4	1594.1	1536.3	1474.0	1418.6	1359.6	1298.8	1238.4	1177.7
105°	1643.5	1627.1	1602.4	1562.2	1508.6	1452.1	1390.6	1332.0	1274.5	1217.1	1159.9
107.5°	1605.3	1586.2	1560.3	1525.4	1478.4	1420.6	1361.8	1301.1	1245.7	1191.3	1134.9
110°	1576.9	1551.8	1520.3	1481.0	1434.0	1382.1	1327.4	1271.2	1215.1	1159.8	1099.4



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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°	1539.6	1510.4	1475.5	1434.2	1386.2	1337.7	1286.4	1234.8	1181.8	1123.3	1056.3
115°	1495.2	1463.8	1426.7	1383.5	1334.2	1286.1	1241.5	1193.4	1138.6	1076.3	1001.3
117.5°	1440.2	1407.6	1369.7	1327.7	1282.6	1235.9	1188.9	1140.0	1080.9	1014.8	925.4
120°	1363.8	1339.2	1300.9	1261.2	1217.8	1171.9	1123.2	1071.2	1009.5	933.7	849.2
122.5°	1261.7	1243.2	1209.7	1174.7	1135.4	1093.0	1046.8	992.0	931.5	845.7	766.3
125°	1140.9	1128.7	1101.3	1071.9	1037.6	999.5	954.8	890.4	817.4	749.4	683.5
127.5°	1007.8	1001.2	977.4	949.5	913.5	869.9	818.9	768.1	711.4	655.6	604.8
130°	854.2	848.3	829.5	807.3	778.5	743.4	702.0	659.4	615.4	570.6	530.9
132.5°	730.7	724.3	706.6	686.7	662.1	633.0	600.0	565.7	531.7	495.2	463.3
135°	609.1	604.8	592.0	577.3	559.0	537.1	511.9	487.2	458.8	431.3	403.3
137.5°	509.7	506.6	497.1	486.2	472.5	456.1	437.3	416.3	395.4	373.3	349.8
140°	426.2	424.4	417.3	409.0	398.5	385.7	371.0	354.4	338.2	323.0	307.2
142.5°	351.6	350.8	346.1	340.5	333.3	324.6	314.5	303.3	291.4	281.0	270.0
145°	288.6	289.2	286.6	283.4	279.0	273.4	266.9	259.4	251.3	244.5	237.7
147.5°	234.4	236.2	235.7	234.9	233.1	230.5	227.2	223.1	218.4	213.5	208.8
150°	193.6	196.0	196.6	196.8	196.3	195.1	193.2	190.8	187.9	184.5	182.8
152.5°	156.3	159.2	161.2	162.9	164.2	165.0	165.3	165.2	164.6	163.7	162.6
155°	135.0	137.8	140.1	142.2	143.9	145.3	146.3	146.9	147.0	146.5	145.5
157.5°	125.2	127.1	128.9	130.0	131.2	132.0	132.5	132.7	132.5	132.0	131.0
160°	117.2	118.3	119.4	120.2	121.0	121.5	121.9	122.1	122.0	121.6	121.0
162.5°	114.5	114.9	115.3	114.8	114.4	113.9	113.1	112.2	111.0	109.6	108.0
165°	99.4	99.7	100.0	99.2	98.7	98.0	97.1	96.0	94.7	93.2	91.6
167.5°	77.2	77.7	78.3	78.0	78.0	77.8	77.4	76.8	76.2	75.3	74.3
170°	58.6	59.2	59.7	60.3	59.8	59.9	59.7	59.5	59.2	58.7	58.1
172.5°	42.6	43.1	43.5	44.0	43.7	43.7	43.7	43.6	43.3	43.0	42.6
175°	26.6	26.9	27.3	27.6	27.9	27.6	27.6	27.5	27.4	27.3	27.0
177.5°	11.5	11.7	11.8	12.0	12.2	12.3	12.5	12.1	12.1	12.1	12.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	12.0	11.9	11.8	11.6	11.5	11.3	11.1	10.9	10.6	10.4	10.1
5°	26.7	26.4	26.0	25.6	25.0	24.5	23.9	23.2	22.5	21.7	20.9
7.5°	42.1	41.6	40.9	40.2	39.4	38.6	37.6	36.6	35.5	34.4	33.1
10°	57.4	56.6	55.7	54.7	53.6	52.4	51.1	49.8	48.3	46.8	45.2
12.5°	73.2	72.0	70.6	69.2	67.6	66.1	64.5	62.7	60.8	58.9	56.8
15°	89.9	88.0	86.1	84.1	82.2	80.1	77.9	75.6	73.1	70.8	68.3
17.5°	106.2	104.2	101.8	99.3	96.6	93.9	91.0	88.2	85.4	82.5	79.6
20°	120.0	118.1	115.6	112.9	110.0	106.8	103.6	100.3	97.0	93.7	90.4
22.5°	129.8	128.7	127.1	125.1	122.7	119.3	115.6	111.6	107.5	103.8	100.2
25°	144.3	142.5	140.1	137.2	134.3	131.2	127.5	123.2	118.5	113.6	109.1
27.5°	161.3	159.3	156.6	153.4	149.6	145.2	140.9	135.5	130.1	124.2	118.6
30°	180.7	178.2	175.7	171.8	167.4	162.3	156.7	150.3	144.9	140.6	136.2
32.5°	203.8	198.5	194.6	190.9	186.9	181.5	176.0	170.5	165.0	159.2	154.4
35°	230.5	223.4	217.0	210.6	205.6	201.7	197.2	191.1	184.7	178.4	172.1
37.5°	258.8	249.6	240.9	234.6	228.0	221.8	216.4	210.9	204.4	197.1	190.1
40°	291.7	279.2	268.6	259.8	251.5	243.7	236.7	229.8	223.1	215.7	207.7
42.5°	330.6	315.0	300.1	288.1	276.9	266.6	257.2	249.4	241.6	233.7	225.3
45°	379.4	354.8	335.7	318.2	303.6	290.1	279.1	268.6	260.2	251.6	242.5
47.5°	433.1	403.2	375.9	350.7	332.1	315.5	301.2	289.2	278.2	269.2	259.7
50°	490.1	454.4	420.0	389.6	361.8	341.5	324.1	309.2	297.0	286.0	276.7
52.5°	554.4	509.4	467.0	429.8	396.7	367.5	347.1	330.0	315.8	302.9	300.1
55°	624.1	567.4	517.8	471.3	432.1	397.9	368.9	351.2	341.8	336.1	334.3
57.5°	695.6	629.5	569.2	516.3	468.4	428.6	401.7	382.8	371.7	366.6	365.8
60°	765.3	691.0	622.4	559.8	511.2	470.3	437.2	413.2	400.4	394.7	394.8
62.5°	831.7	747.2	675.7	612.9	556.0	509.2	472.7	445.2	427.4	419.3	421.0
65°	898.9	807.7	731.4	662.6	601.0	548.3	505.7	473.4	453.4	444.1	445.5
67.5°	975.9	873.5	786.9	710.3	641.9	582.6	537.1	502.5	479.7	468.0	467.5
70°	1024.0	934.9	840.4	753.9	680.8	617.9	567.1	528.9	503.0	490.1	487.1
72.5°	1063.7	978.0	884.9	796.0	715.8	648.1	592.7	553.2	524.1	511.6	507.6
75°	1093.2	1009.8	920.0	832.4	745.3	674.5	618.1	576.3	547.3	532.3	525.7
77.5°	1120.9	1034.2	943.9	861.2	775.7	702.8	644.9	600.0	568.6	551.8	544.1
80°	1134.7	1059.0	970.7	884.9	800.3	725.2	667.7	621.5	588.1	570.4	562.7
82.5°	1148.5	1081.0	990.8	903.7	818.5	742.2	686.9	641.0	605.8	588.2	581.4
85°	1157.6	1096.6	1004.3	917.4	830.8	754.5	702.7	658.5	622.1	605.3	600.0
87.5°	1161.9	1109.0	1014.2	928.5	839.9	764.0	716.7	675.0	637.7	622.0	618.7
90°	1161.4	1107.2	1012.2	928.7	839.9	768.0	726.3	688.1	651.7	638.4	636.6
92.5°	1161.9	1109.0	1014.2	928.5	839.9	764.0	716.7	675.0	637.7	622.0	618.7
95°	1157.6	1096.6	1004.3	917.4	830.8	754.5	702.7	658.5	622.1	605.3	600.0
97.5°	1148.5	1081.0	990.8	903.7	818.5	742.2	686.9	641.0	605.8	588.2	581.4
100°	1134.7	1059.0	970.7	884.9	800.3	725.2	667.7	621.5	588.1	570.4	562.7
102.5°	1120.9	1034.2	943.9	861.2	775.7	702.8	644.9	600.0	568.6	551.8	544.1
105°	1093.2	1009.8	920.0	832.4	745.3	674.5	618.1	576.3	547.3	532.3	525.7
107.5°	1063.7	978.0	884.9	796.0	715.8	648.1	592.7	553.2	524.1	511.6	507.6
110°	1024.0	934.9	840.4	753.9	680.8	617.9	567.1	528.9	503.0	490.1	487.1





TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	975.9	873.5	786.9	710.3	641.9	582.6	537.1	502.5	479.7	468.0	467.5
115°	898.9	807.7	731.4	662.6	601.0	548.3	505.7	473.4	453.4	444.1	445.5
117.5°	831.7	747.2	675.7	612.9	556.0	509.2	472.7	445.2	427.4	419.3	421.0
120°	765.3	691.0	622.4	559.8	511.2	470.3	437.2	413.2	400.4	394.7	394.8
122.5°	695.6	629.5	569.2	516.3	468.4	428.6	401.7	382.8	371.7	366.6	365.8
125°	624.1	567.4	517.8	471.3	432.1	397.9	368.9	351.2	341.8	336.1	334.3
127.5°	554.4	509.4	467.0	429.8	396.7	367.5	347.1	330.0	315.8	302.9	300.1
130°	490.1	454.4	420.0	389.6	361.8	341.5	324.1	309.2	297.0	286.0	276.7
132.5°	433.1	403.2	375.9	350.7	332.1	315.5	301.2	289.2	278.2	269.2	259.7
135°	379.4	354.8	335.7	318.2	303.6	290.1	279.1	268.6	260.2	251.6	242.5
137.5°	330.6	315.0	300.1	288.1	276.9	266.6	257.2	249.4	241.6	233.7	225.3
140°	291.7	279.2	268.6	259.8	251.5	243.7	236.7	229.8	223.1	215.7	207.7
142.5°	258.8	249.6	240.9	234.6	228.0	221.8	216.4	210.9	204.4	197.1	190.1
145°	230.5	223.4	217.0	210.6	205.6	201.7	197.2	191.1	184.7	178.4	172.1
147.5°	203.8	198.5	194.6	190.9	186.9	181.5	176.0	170.5	165.0	159.2	154.4
150°	180.7	178.2	175.7	171.8	167.4	162.3	156.7	150.3	144.9	140.6	136.2
152.5°	161.3	159.3	156.6	153.4	149.6	145.2	140.9	135.5	130.1	124.2	118.6
155°	144.3	142.5	140.1	137.2	134.3	131.2	127.5	123.2	118.5	113.6	109.1
157.5°	129.8	128.7	127.1	125.1	122.7	119.3	115.6	111.6	107.5	103.8	100.2
160°	120.0	118.1	115.6	112.9	110.0	106.8	103.6	100.3	97.0	93.7	90.4
162.5°	106.2	104.2	101.8	99.3	96.6	93.9	91.0	88.2	85.4	82.5	79.6
165°	89.9	88.0	86.1	84.1	82.2	80.1	77.9	75.6	73.1	70.8	68.3
167.5°	73.2	72.0	70.6	69.2	67.6	66.1	64.5	62.7	60.8	58.9	56.8
170°	57.4	56.6	55.7	54.7	53.6	52.4	51.1	49.8	48.3	46.8	45.2
172.5°	42.1	41.6	40.9	40.2	39.4	38.6	37.6	36.6	35.5	34.4	33.1
175°	26.7	26.4	26.0	25.6	25.0	24.5	23.9	23.2	22.5	21.7	20.9
177.5°	12.0	11.9	11.8	11.6	11.5	11.3	11.1	10.9	10.6	10.4	10.1
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: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	9.8	9.5	9.1	8.8	8.4	8.0	7.6	7.2	6.8	6.3	5.9
5°	20.0	19.1	18.2	17.5	16.7	16.0	15.2	14.3	13.5	12.6	11.7
7.5°	31.8	30.5	29.0	27.5	26.0	24.4	22.7	21.4	20.1	18.8	17.5
10°	43.5	41.7	40.0	37.9	35.8	33.7	31.5	29.2	26.9	25.0	23.2
12.5°	54.7	52.5	50.3	47.9	45.5	42.9	40.2	37.4	34.4	31.5	29.0
15°	65.7	63.1	60.7	57.6	54.7	51.8	48.8	45.5	42.0	38.4	34.8
17.5°	76.9	73.4	70.2	66.9	63.6	60.3	56.9	53.4	49.5	45.3	41.1
20°	86.9	83.4	79.8	76.1	72.3	68.4	64.6	60.8	56.9	52.2	47.4
22.5°	96.6	92.8	88.9	85.0	80.8	76.5	72.1	67.9	63.7	59.1	53.6
25°	104.9	101.2	97.4	93.2	90.6	87.7	84.5	81.2	77.6	73.8	68.7
27.5°	115.1	113.0	111.6	109.9	107.4	104.8	101.7	98.3	94.5	90.2	85.2
30°	132.7	129.4	126.9	125.4	123.6	121.0	118.2	114.9	111.7	106.7	101.8
32.5°	149.6	145.8	142.5	140.2	138.7	136.7	134.0	131.0	127.7	123.2	117.7
35°	166.7	161.6	157.9	154.8	153.0	151.6	149.3	146.9	143.5	139.6	133.7
37.5°	183.3	177.6	172.5	169.3	167.0	165.6	164.0	161.6	158.9	155.9	149.6
40°	200.2	193.1	187.6	182.9	180.6	179.1	178.2	176.2	173.9	171.3	165.6
42.5°	216.6	209.0	201.9	196.8	193.7	192.1	191.5	190.4	188.5	186.3	181.6
45°	233.2	224.1	216.6	210.5	205.8	204.9	204.4	204.1	202.6	201.0	197.5
47.5°	249.3	239.7	231.0	223.9	218.8	218.7	221.0	221.7	219.9	216.7	212.2
50°	265.8	256.5	256.4	256.2	254.4	251.3	249.2	245.8	240.6	234.0	226.7
52.5°	299.5	299.4	301.7	301.5	296.5	287.3	280.2	272.0	262.7	252.3	241.6
55°	335.8	339.0	343.9	348.6	341.4	327.5	313.6	300.2	286.1	271.7	257.3
57.5°	368.8	374.9	383.4	393.2	387.3	370.4	349.4	330.2	310.9	292.2	273.7
60°	398.9	407.7	420.0	433.6	434.3	415.7	387.2	361.9	337.1	313.5	290.7
62.5°	427.5	438.4	453.8	471.9	482.4	463.2	427.3	395.5	364.6	335.6	308.2
65°	454.0	467.0	485.2	508.4	531.0	510.0	469.8	430.4	393.1	358.3	326.2
67.5°	478.3	493.7	514.4	542.9	570.2	556.4	513.7	466.3	422.4	381.6	344.5
70°	501.0	519.5	543.5	573.6	599.1	586.7	539.2	484.4	435.1	390.1	350.2
72.5°	518.1	535.0	556.1	578.9	598.4	590.0	544.8	490.4	440.7	394.7	353.7
75°	530.8	546.5	567.3	587.1	600.1	593.0	549.0	495.6	445.8	399.0	356.9
77.5°	544.5	558.4	579.0	597.8	603.9	595.7	551.7	499.9	450.2	402.9	359.8
80°	559.1	570.6	591.4	610.3	609.2	598.1	553.2	503.3	454.0	406.4	362.3
82.5°	574.3	583.2	604.3	624.3	615.8	599.9	553.5	506.0	457.3	409.6	365.8
85°	590.0	596.4	617.7	639.2	622.9	602.8	554.2	509.3	461.0	413.2	367.0
87.5°	606.0	609.7	631.5	654.7	630.6	602.0	551.4	509.5	462.3	414.8	368.2
90°	622.4	624.2	646.4	669.5	637.5	601.1	548.7	509.7	463.5	416.4	369.4
92.5°	606.0	609.7	631.5	654.7	630.6	602.0	551.4	509.5	462.3	414.8	368.2
95°	590.0	596.4	617.7	639.2	622.9	602.8	554.2	509.3	461.0	413.2	367.0
97.5°	574.3	583.2	604.3	624.3	615.8	599.9	553.5	506.0	457.3	409.6	365.8
100°	559.1	570.6	591.4	610.3	609.2	598.1	553.2	503.3	454.0	406.4	362.3
102.5°	544.5	558.4	579.0	597.8	603.9	595.7	551.7	499.9	450.2	402.9	359.8
105°	530.8	546.5	567.3	587.1	600.1	593.0	549.0	495.6	445.8	399.0	356.9
107.5°	518.1	535.0	556.1	578.9	598.4	590.0	544.8	490.4	440.7	394.7	353.7
110°	501.0	519.5	543.5	573.6	599.1	586.7	539.2	484.4	435.1	390.1	350.2



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	478.3	493.7	514.4	542.9	570.2	556.4	513.7	466.3	422.4	381.6	344.5
115°	454.0	467.0	485.2	508.4	531.0	510.0	469.8	430.4	393.1	358.3	326.2
117.5°	427.5	438.4	453.8	471.9	482.4	463.2	427.3	395.5	364.6	335.6	308.2
120°	398.9	407.7	420.0	433.6	434.3	415.7	387.2	361.9	337.1	313.5	290.7
122.5°	368.8	374.9	383.4	393.2	387.3	370.4	349.4	330.2	310.9	292.2	273.7
125°	335.8	339.0	343.9	348.6	341.4	327.5	313.6	300.2	286.1	271.7	257.3
127.5°	299.5	299.4	301.7	301.5	296.5	287.3	280.2	272.0	262.7	252.3	241.6
130°	265.8	256.5	256.4	256.2	254.4	251.3	249.2	245.8	240.6	234.0	226.7
132.5°	249.3	239.7	231.0	223.9	218.8	218.7	221.0	221.7	219.9	216.7	212.2
135°	233.2	224.1	216.6	210.5	205.8	204.9	204.4	204.1	202.6	201.0	197.5
137.5°	216.6	209.0	201.9	196.8	193.7	192.1	191.5	190.4	188.5	186.3	181.6
140°	200.2	193.1	187.6	182.9	180.6	179.1	178.2	176.2	173.9	171.3	165.6
142.5°	183.3	177.6	172.5	169.3	167.0	165.6	164.0	161.6	158.9	155.9	149.6
145°	166.7	161.6	157.9	154.8	153.0	151.6	149.3	146.9	143.5	139.6	133.7
147.5°	149.6	145.8	142.5	140.2	138.7	136.7	134.0	131.0	127.7	123.2	117.7
150°	132.7	129.4	126.9	125.4	123.6	121.0	118.2	114.9	111.7	106.7	101.8
152.5°	115.1	113.0	111.6	109.9	107.4	104.8	101.7	98.3	94.5	90.2	85.2
155°	104.9	101.2	97.4	93.2	90.6	87.7	84.5	81.2	77.6	73.8	68.7
157.5°	96.6	92.8	88.9	85.0	80.8	76.5	72.1	67.9	63.7	59.1	53.6
160°	86.9	83.4	79.8	76.1	72.3	68.4	64.6	60.8	56.9	52.2	47.4
162.5°	76.9	73.4	70.2	66.9	63.6	60.3	56.9	53.4	49.5	45.3	41.1
165°	65.7	63.1	60.7	57.6	54.7	51.8	48.8	45.5	42.0	38.4	34.8
167.5°	54.7	52.5	50.3	47.9	45.5	42.9	40.2	37.4	34.4	31.5	29.0
170°	43.5	41.7	40.0	37.9	35.8	33.7	31.5	29.2	26.9	25.0	23.2
172.5°	31.8	30.5	29.0	27.5	26.0	24.4	22.7	21.4	20.1	18.8	17.5
175°	20.0	19.1	18.2	17.5	16.7	16.0	15.2	14.3	13.5	12.6	11.7
177.5°	9.8	9.5	9.1	8.8	8.4	8.0	7.6	7.2	6.8	6.3	5.9
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: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.7
5°	10.8	9.8	8.9	7.9	7.9	7.8	7.8	7.7	7.6	7.5	7.4
7.5°	16.1	14.7	13.3	11.8	11.8	11.7	11.6	11.5	11.4	11.2	11.0
10°	21.4	19.6	17.7	15.8	15.7	15.6	15.4	15.3	15.1	14.9	14.6
12.5°	26.7	24.4	22.1	19.7	19.6	19.4	19.2	19.0	18.7	18.4	18.1
15°	32.0	29.3	26.5	23.7	23.5	23.3	23.0	22.7	22.4	22.0	21.6
17.5°	37.2	34.0	30.9	27.6	27.4	27.1	26.8	26.4	26.0	25.5	25.1
20°	42.5	38.8	35.2	31.6	31.3	30.9	30.5	30.0	29.5	29.0	28.7
22.5°	48.1	43.6	39.6	35.5	35.1	34.7	34.2	33.7	33.1	32.7	32.3
25°	63.1	57.9	53.4	48.7	47.8	46.7	45.4	43.9	42.4	41.0	39.6
27.5°	78.9	72.6	67.4	61.9	60.5	58.8	56.9	54.7	52.7	50.8	48.7
30°	94.7	87.4	81.4	75.2	73.1	70.8	68.1	65.2	62.7	60.0	57.3
32.5°	110.5	102.5	95.5	88.4	85.7	82.6	79.1	75.5	72.2	68.8	65.5
35°	126.3	117.6	109.6	101.6	98.1	94.3	89.8	85.5	81.3	77.3	73.4
37.5°	142.2	132.7	123.7	114.8	110.5	105.8	100.4	95.2	90.3	85.5	80.6
40°	158.0	147.8	137.9	128.1	122.9	117.1	110.7	104.6	98.8	93.4	87.3
42.5°	173.8	163.0	152.1	141.3	135.2	128.3	121.1	113.7	107.1	101.2	93.7
45°	189.3	178.1	166.3	154.5	147.4	139.4	130.9	122.6	115.3	107.9	99.6
47.5°	201.7	189.3	176.1	162.9	153.8	144.2	134.8	126.2	119.0	111.3	102.8
50°	214.2	200.4	185.9	171.3	159.9	148.5	137.9	128.6	120.9	112.7	103.6
52.5°	227.0	211.5	195.8	179.7	166.0	152.7	141.0	131.1	122.8	114.2	105.1
55°	240.2	222.6	205.7	188.1	171.9	156.8	144.1	133.6	124.6	115.9	107.0
57.5°	253.7	233.7	215.6	196.4	177.7	160.8	147.1	136.1	126.6	117.7	109.5
60°	267.4	244.9	225.5	204.8	183.5	164.7	150.1	138.5	128.6	119.9	112.8
62.5°	281.3	256.0	235.4	213.2	189.2	168.5	153.1	140.9	130.8	122.6	115.9
65°	295.4	267.2	245.4	221.6	194.8	172.3	156.0	143.3	133.1	125.6	119.6
67.5°	309.6	278.3	255.3	230.0	200.4	176.1	159.0	145.8	135.5	128.9	123.6
70°	314.0	281.7	255.9	228.8	199.0	174.7	157.4	144.4	134.7	129.1	124.5
72.5°	317.4	284.9	256.3	227.6	197.7	173.3	155.6	142.6	133.2	128.0	123.5
75°	320.5	288.1	257.8	226.4	196.4	171.9	153.8	141.0	131.9	127.1	122.6
77.5°	323.4	291.3	257.9	225.2	195.2	170.7	152.0	139.4	130.7	126.2	121.8
80°	326.1	295.6	258.0	224.1	194.0	169.6	150.4	138.0	129.6	125.4	121.1
82.5°	329.4	298.3	258.1	222.9	192.9	168.5	148.8	136.6	128.6	124.6	120.5
85°	331.1	301.0	258.2	221.7	191.9	167.6	147.3	135.4	127.7	123.8	119.9
87.5°	332.9	303.6	258.3	220.5	190.9	166.7	146.0	134.2	126.8	123.1	119.4
90°	334.7	306.3	258.4	219.3	190.0	166.0	144.7	133.2	126.1	122.5	119.0
92.5°	332.9	303.6	258.3	220.5	190.9	166.7	146.0	134.2	126.8	123.1	119.4
95°	331.1	301.0	258.2	221.7	191.9	167.6	147.3	135.4	127.7	123.8	119.9
97.5°	329.4	298.3	258.1	222.9	192.9	168.5	148.8	136.6	128.6	124.6	120.5
100°	326.1	295.6	258.0	224.1	194.0	169.6	150.4	138.0	129.6	125.4	121.1
102.5°	323.4	291.3	257.9	225.2	195.2	170.7	152.0	139.4	130.7	126.2	121.8
105°	320.5	288.1	257.8	226.4	196.4	171.9	153.8	141.0	131.9	127.1	122.6
107.5°	317.4	284.9	256.3	227.6	197.7	173.3	155.6	142.6	133.2	128.0	123.5
110°	314.0	281.7	255.9	228.8	199.0	174.7	157.4	144.4	134.7	129.1	124.5



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	309.6	278.3	255.3	230.0	200.4	176.1	159.0	145.8	135.5	128.9	123.6
115°	295.4	267.2	245.4	221.6	194.8	172.3	156.0	143.3	133.1	125.6	119.6
117.5°	281.3	256.0	235.4	213.2	189.2	168.5	153.1	140.9	130.8	122.6	115.9
120°	267.4	244.9	225.5	204.8	183.5	164.7	150.1	138.5	128.6	119.9	112.8
122.5°	253.7	233.7	215.6	196.4	177.7	160.8	147.1	136.1	126.6	117.7	109.5
125°	240.2	222.6	205.7	188.1	171.9	156.8	144.1	133.6	124.6	115.9	107.0
127.5°	227.0	211.5	195.8	179.7	166.0	152.7	141.0	131.1	122.8	114.2	105.1
130°	214.2	200.4	185.9	171.3	159.9	148.5	137.9	128.6	120.9	112.7	103.6
132.5°	201.7	189.3	176.1	162.9	153.8	144.2	134.8	126.2	119.0	111.3	102.8
135°	189.3	178.1	166.3	154.5	147.4	139.4	130.9	122.6	115.3	107.9	99.6
137.5°	173.8	163.0	152.1	141.3	135.2	128.3	121.1	113.7	107.1	101.2	93.7
140°	158.0	147.8	137.9	128.1	122.9	117.1	110.7	104.6	98.8	93.4	87.3
142.5°	142.2	132.7	123.7	114.8	110.5	105.8	100.4	95.2	90.3	85.5	80.6
145°	126.3	117.6	109.6	101.6	98.1	94.3	89.8	85.5	81.3	77.3	73.4
147.5°	110.5	102.5	95.5	88.4	85.7	82.6	79.1	75.5	72.2	68.8	65.5
150°	94.7	87.4	81.4	75.2	73.1	70.8	68.1	65.2	62.7	60.0	57.3
152.5°	78.9	72.6	67.4	61.9	60.5	58.8	56.9	54.7	52.7	50.8	48.7
155°	63.1	57.9	53.4	48.7	47.8	46.7	45.4	43.9	42.4	41.0	39.6
157.5°	48.1	43.6	39.6	35.5	35.1	34.7	34.2	33.7	33.1	32.7	32.3
160°	42.5	38.8	35.2	31.6	31.3	30.9	30.5	30.0	29.5	29.0	28.7
162.5°	37.2	34.0	30.9	27.6	27.4	27.1	26.8	26.4	26.0	25.5	25.1
165°	32.0	29.3	26.5	23.7	23.5	23.3	23.0	22.7	22.4	22.0	21.6
167.5°	26.7	24.4	22.1	19.7	19.6	19.4	19.2	19.0	18.7	18.4	18.1
170°	21.4	19.6	17.7	15.8	15.7	15.6	15.4	15.3	15.1	14.9	14.6
172.5°	16.1	14.7	13.3	11.8	11.8	11.7	11.6	11.5	11.4	11.2	11.0
175°	10.8	9.8	8.9	7.9	7.9	7.8	7.8	7.7	7.6	7.5	7.4
177.5°	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.9	3.8	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: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.7
5°	7.3	7.1	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.6	5.4
7.5°	10.8	10.6	10.4	10.1	9.9	9.6	9.3	9.0	8.6	8.3	8.0
10°	14.3	14.0	13.7	13.4	13.0	12.7	12.3	11.9	11.5	11.1	10.6
12.5°	17.8	17.4	17.0	16.7	16.3	15.9	15.4	14.9	14.4	13.8	13.2
15°	21.2	20.8	20.4	20.0	19.6	19.0	18.4	17.7	17.0	16.3	15.6
17.5°	24.7	24.3	23.9	23.3	22.6	21.9	21.2	20.4	19.6	18.8	17.9
20°	28.3	27.8	27.1	26.4	25.6	24.8	23.9	23.0	22.2	21.4	20.5
22.5°	31.9	31.1	30.3	29.4	28.5	27.6	26.7	25.9	25.0	24.2	23.0
25°	37.9	36.1	34.2	32.4	31.4	30.5	29.7	28.9	27.7	26.5	25.3
27.5°	46.5	44.2	41.7	39.4	37.2	35.2	33.3	31.4	30.1	28.8	27.4
30°	54.6	51.5	48.5	45.6	42.8	40.1	37.6	35.3	33.2	31.2	29.6
32.5°	62.0	58.3	54.5	50.7	47.2	43.9	40.9	38.3	35.9	33.8	31.9
35°	68.9	64.3	59.4	54.8	50.7	46.9	43.6	40.6	38.2	35.8	33.4
37.5°	75.2	69.3	63.4	58.2	53.4	49.3	45.6	42.8	39.9	37.2	34.8
40°	80.9	73.5	66.8	60.8	55.7	51.1	47.7	44.4	41.2	38.7	36.6
42.5°	85.6	76.9	69.7	63.1	57.3	53.1	49.3	45.7	42.8	40.5	38.3
45°	89.6	80.1	71.9	65.0	59.2	54.7	50.7	47.2	44.7	42.3	39.8
47.5°	92.2	82.8	74.0	66.3	61.0	56.2	51.9	49.2	46.5	43.9	41.6
50°	93.6	84.7	76.3	69.1	63.2	57.7	53.9	51.1	48.2	45.7	43.3
52.5°	95.8	87.2	78.9	72.5	66.9	61.7	58.2	54.2	50.1	47.6	44.7
55°	98.5	90.2	82.2	76.2	70.9	67.0	63.8	59.7	55.0	50.5	46.2
57.5°	101.6	93.4	86.1	80.4	75.2	72.9	69.5	64.7	59.2	53.9	49.0
60°	105.1	96.9	90.3	84.8	80.9	79.1	75.6	69.1	62.6	56.7	51.3
62.5°	108.9	100.6	94.6	89.6	87.2	85.2	80.6	72.9	65.5	59.0	53.1
65°	112.8	104.9	99.1	94.5	93.8	91.6	84.9	76.2	68.1	60.9	54.4
67.5°	116.9	109.5	104.1	100.3	100.8	98.3	88.8	79.2	70.5	62.6	55.7
70°	118.5	112.4	108.1	106.5	107.4	103.8	92.4	81.9	72.6	64.1	56.7
72.5°	117.6	112.3	108.1	107.0	107.6	103.8	94.1	84.2	74.5	65.5	57.5
75°	117.0	112.3	108.2	107.2	107.1	102.6	94.5	85.4	75.6	66.7	58.6
77.5°	116.7	112.6	108.2	107.2	106.5	102.3	95.8	86.8	77.0	68.2	60.0
80°	116.5	112.9	108.3	107.1	106.0	102.7	97.9	88.5	78.7	70.1	61.4
82.5°	116.5	113.4	108.4	106.8	105.4	103.6	100.4	90.5	80.7	72.2	63.1
85°	116.7	114.0	108.6	106.4	104.9	105.0	103.5	92.9	83.1	74.8	65.1
87.5°	116.9	114.7	108.8	106.1	104.4	106.6	106.7	95.6	85.8	77.6	67.4
90°	<b>117.2</b>	<b>115.4</b>	<b>109.2</b>	<b>105.7</b>	<b>103.9</b>	<b>108.3</b>	<b>110.1</b>	<b>98.6</b>	<b>88.8</b>	<b>80.8</b>	<b>70.1</b>
92.5°	116.9	114.7	108.8	106.1	104.4	106.6	106.7	95.6	85.8	77.6	67.4
95°	116.7	114.0	108.6	106.4	104.9	105.0	103.5	92.9	83.1	74.8	65.1
97.5°	116.5	113.4	108.4	106.8	105.4	103.6	100.4	90.5	80.7	72.2	63.1
100°	116.5	112.9	108.3	107.1	106.0	102.7	97.9	88.5	78.7	70.1	61.4
102.5°	116.7	112.6	108.2	107.2	106.5	102.3	95.8	86.8	77.0	68.2	60.0
105°	117.0	112.3	108.2	107.2	107.1	102.6	94.5	85.4	75.6	66.7	58.6
107.5°	117.6	112.3	108.1	107.0	107.6	103.8	94.1	84.2	74.5	65.5	57.5
110°	118.5	112.4	108.1	106.5	107.4	103.8	92.4	81.9	72.6	64.1	56.7



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	116.9	109.5	104.1	100.3	100.8	98.3	88.8	79.2	70.5	62.6	55.7
115°	112.8	104.9	99.1	94.5	93.8	91.6	84.9	76.2	68.1	60.9	54.4
117.5°	108.9	100.6	94.6	89.6	87.2	85.2	80.6	72.9	65.5	59.0	53.1
120°	105.1	96.9	90.3	84.8	80.9	79.1	75.6	69.1	62.6	56.7	51.3
122.5°	101.6	93.4	86.1	80.4	75.2	72.9	69.5	64.7	59.2	53.9	49.0
125°	98.5	90.2	82.2	76.2	70.9	67.0	63.8	59.7	55.0	50.5	46.2
127.5°	95.8	87.2	78.9	72.5	66.9	61.7	58.2	54.2	50.1	47.6	44.7
130°	93.6	84.7	76.3	69.1	63.2	57.7	53.9	51.1	48.2	45.7	43.3
132.5°	92.2	82.8	74.0	66.3	61.0	56.2	51.9	49.2	46.5	43.9	41.6
135°	89.6	80.1	71.9	65.0	59.2	54.7	50.7	47.2	44.7	42.3	39.8
137.5°	85.6	76.9	69.7	63.1	57.3	53.1	49.3	45.7	42.8	40.5	38.3
140°	80.9	73.5	66.8	60.8	55.7	51.1	47.7	44.4	41.2	38.7	36.6
142.5°	75.2	69.3	63.4	58.2	53.4	49.3	45.6	42.8	39.9	37.2	34.8
145°	68.9	64.3	59.4	54.8	50.7	46.9	43.6	40.6	38.2	35.8	33.4
147.5°	62.0	58.3	54.5	50.7	47.2	43.9	40.9	38.3	35.9	33.8	31.9
150°	54.6	51.5	48.5	45.6	42.8	40.1	37.6	35.3	33.2	31.2	29.6
152.5°	46.5	44.2	41.7	39.4	37.2	35.2	33.3	31.4	30.1	28.8	27.4
155°	37.9	36.1	34.2	32.4	31.4	30.5	29.7	28.9	27.7	26.5	25.3
157.5°	31.9	31.1	30.3	29.4	28.5	27.6	26.7	25.9	25.0	24.2	23.0
160°	28.3	27.8	27.1	26.4	25.6	24.8	23.9	23.0	22.2	21.4	20.5
162.5°	24.7	24.3	23.9	23.3	22.6	21.9	21.2	20.4	19.6	18.8	17.9
165°	21.2	20.8	20.4	20.0	19.6	19.0	18.4	17.7	17.0	16.3	15.6
167.5°	17.8	17.4	17.0	16.7	16.3	15.9	15.4	14.9	14.4	13.8	13.2
170°	14.3	14.0	13.7	13.4	13.0	12.7	12.3	11.9	11.5	11.1	10.6
172.5°	10.8	10.6	10.4	10.1	9.9	9.6	9.3	9.0	8.6	8.3	8.0
175°	7.3	7.1	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.6	5.4
177.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
5°	5.1	4.9	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.3
7.5°	7.6	7.2	6.9	6.5	6.1	5.6	5.2	4.8	4.3	3.9	3.4
10°	10.2	9.7	9.1	8.6	8.0	7.5	6.9	6.3	5.7	5.1	4.5
12.5°	12.6	11.9	11.3	10.6	9.9	9.2	8.4	7.7	7.0	6.2	5.5
15°	14.8	14.1	13.3	12.5	11.7	10.9	10.0	9.2	8.3	7.4	6.6
17.5°	17.1	16.3	15.5	14.6	13.7	12.7	11.7	10.7	9.7	8.6	7.6
20°	19.6	18.7	17.6	16.5	15.4	14.3	13.2	12.0	10.8	9.7	8.5
22.5°	21.9	20.7	19.5	18.3	17.1	15.8	14.6	13.3	12.0	10.7	9.4
25°	24.0	22.7	21.4	20.0	18.7	17.3	15.9	14.5	13.0	11.5	10.1
27.5°	26.0	24.6	23.2	21.7	20.1	18.5	16.9	15.3	13.7	12.2	10.7
30°	28.0	26.5	24.7	22.9	21.1	19.5	17.9	16.3	14.7	13.1	11.5
32.5°	29.8	27.7	25.8	24.2	22.5	20.8	19.1	17.4	15.7	14.0	12.3
35°	31.1	29.2	27.5	25.7	23.9	22.1	20.3	18.5	16.7	14.9	12.9
37.5°	32.8	30.9	29.0	27.1	25.3	23.4	21.5	19.3	17.2	15.1	13.2
40°	34.5	32.4	30.5	28.6	26.5	24.2	21.9	19.8	17.9	15.9	13.8
42.5°	36.0	34.0	32.0	29.6	27.1	24.9	22.9	20.7	18.4	16.1	13.9
45°	37.7	35.5	32.9	30.4	28.1	25.8	23.3	20.9	18.7	16.6	14.5
47.5°	39.3	36.5	33.9	31.5	28.9	26.2	23.8	21.6	19.5	17.3	15.3
50°	40.5	37.7	35.0	32.2	29.4	27.0	24.6	22.4	20.2	18.0	15.9
52.5°	41.7	38.8	35.8	32.9	30.3	27.8	25.5	23.2	20.9	18.7	16.4
55°	42.9	39.8	36.7	33.8	31.2	28.8	26.4	24.0	21.5	19.0	16.4
57.5°	44.7	40.8	37.6	34.9	32.3	29.8	27.1	24.4	21.7	19.0	16.2
60°	46.4	42.2	38.8	36.1	33.5	30.5	27.6	24.9	21.9	18.9	16.1
62.5°	47.8	43.2	39.7	36.8	34.1	31.1	28.3	25.2	22.0	18.9	16.0
65°	48.8	44.1	40.3	37.1	33.8	31.3	28.9	25.4	21.8	18.5	15.3
67.5°	49.6	44.6	40.7	36.8	33.5	30.7	28.0	25.0	21.3	17.7	14.5
70°	50.2	45.0	40.7	36.4	32.9	29.6	26.4	23.2	20.2	16.9	13.5
72.5°	50.6	45.4	40.5	36.0	32.0	28.4	24.8	21.7	18.6	15.5	12.5
75°	51.3	45.6	40.3	35.3	31.2	27.2	23.7	20.4	17.1	13.9	11.5
77.5°	52.5	46.2	40.2	34.8	30.3	26.1	22.7	19.3	15.9	13.1	10.5
80°	53.7	46.7	40.2	34.5	29.5	25.1	21.7	18.5	15.2	12.4	9.0
82.5°	55.0	47.3	40.4	34.2	28.6	24.0	20.2	17.0	14.3	11.2	7.5
85°	56.5	48.1	40.8	34.1	28.0	22.8	18.8	15.7	13.1	10.0	6.7
87.5°	58.3	49.1	41.5	34.2	27.5	21.9	17.7	14.8	12.2	9.7	6.6
90°	60.4	50.6	42.6	34.6	27.5	21.3	16.9	14.2	11.5	9.8	7.1
92.5°	58.3	49.1	41.5	34.2	27.5	21.9	17.7	14.8	12.2	9.7	6.6
95°	56.5	48.1	40.8	34.1	28.0	22.8	18.8	15.7	13.1	10.0	6.7
97.5°	55.0	47.3	40.4	34.2	28.6	24.0	20.2	17.0	14.3	11.2	7.5
100°	53.7	46.7	40.2	34.5	29.5	25.1	21.7	18.5	15.2	12.4	9.0
102.5°	52.5	46.2	40.2	34.8	30.3	26.1	22.7	19.3	15.9	13.1	10.5
105°	51.3	45.6	40.3	35.3	31.2	27.2	23.7	20.4	17.1	13.9	11.5
107.5°	50.6	45.4	40.5	36.0	32.0	28.4	24.8	21.7	18.6	15.5	12.5
110°	50.2	45.0	40.7	36.4	32.9	29.6	26.4	23.2	20.2	16.9	13.5





TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	49.6	44.6	40.7	36.8	33.5	30.7	28.0	25.0	21.3	17.7	14.5
115°	48.8	44.1	40.3	37.1	33.8	31.3	28.9	25.4	21.8	18.5	15.3
117.5°	47.8	43.2	39.7	36.8	34.1	31.1	28.3	25.2	22.0	18.9	16.0
120°	46.4	42.2	38.8	36.1	33.5	30.5	27.6	24.9	21.9	18.9	16.1
122.5°	44.7	40.8	37.6	34.9	32.3	29.8	27.1	24.4	21.7	19.0	16.2
125°	42.9	39.8	36.7	33.8	31.2	28.8	26.4	24.0	21.5	19.0	16.4
127.5°	41.7	38.8	35.8	32.9	30.3	27.8	25.5	23.2	20.9	18.7	16.4
130°	40.5	37.7	35.0	32.2	29.4	27.0	24.6	22.4	20.2	18.0	15.9
132.5°	39.3	36.5	33.9	31.5	28.9	26.2	23.8	21.6	19.5	17.3	15.3
135°	37.7	35.5	32.9	30.4	28.1	25.8	23.3	20.9	18.7	16.6	14.5
137.5°	36.0	34.0	32.0	29.6	27.1	24.9	22.9	20.7	18.4	16.1	13.9
140°	34.5	32.4	30.5	28.6	26.5	24.2	21.9	19.8	17.9	15.9	13.8
142.5°	32.8	30.9	29.0	27.1	25.3	23.4	21.5	19.3	17.2	15.1	13.2
145°	31.1	29.2	27.5	25.7	23.9	22.1	20.3	18.5	16.7	14.9	12.9
147.5°	29.8	27.7	25.8	24.2	22.5	20.8	19.1	17.4	15.7	14.0	12.3
150°	28.0	26.5	24.7	22.9	21.1	19.5	17.9	16.3	14.7	13.1	11.5
152.5°	26.0	24.6	23.2	21.7	20.1	18.5	16.9	15.3	13.7	12.2	10.7
155°	24.0	22.7	21.4	20.0	18.7	17.3	15.9	14.5	13.0	11.5	10.1
157.5°	21.9	20.7	19.5	18.3	17.1	15.8	14.6	13.3	12.0	10.7	9.4
160°	19.6	18.7	17.6	16.5	15.4	14.3	13.2	12.0	10.8	9.7	8.5
162.5°	17.1	16.3	15.5	14.6	13.7	12.7	11.7	10.7	9.7	8.6	7.6
165°	14.8	14.1	13.3	12.5	11.7	10.9	10.0	9.2	8.3	7.4	6.6
167.5°	12.6	11.9	11.3	10.6	9.9	9.2	8.4	7.7	7.0	6.2	5.5
170°	10.2	9.7	9.1	8.6	8.0	7.5	6.9	6.3	5.7	5.1	4.5
172.5°	7.6	7.2	6.9	6.5	6.1	5.6	5.2	4.8	4.3	3.9	3.4
175°	5.1	4.9	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.3
177.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
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: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
5°	1.9	1.6	1.3	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.3
7.5°	2.9	2.4	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
10°	3.8	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
12.5°	4.7	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
15°	5.6	4.7	3.8	2.8	1.9	1.0	0.0	1.0	1.9	2.8	3.8
17.5°	6.5	5.4	4.3	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.3
20°	7.3	6.1	4.9	3.7	2.4	1.2	0.0	1.2	2.4	3.7	4.9
22.5°	8.0	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
25°	8.6	7.2	5.7	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.7
27.5°	9.2	7.7	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
30°	9.9	8.2	6.6	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.6
32.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
35°	11.0	9.1	7.3	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.3
37.5°	11.3	9.5	7.6	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.6
40°	11.7	9.7	7.7	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.7
42.5°	11.9	9.9	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0
45°	12.5	10.5	8.6	6.7	4.8	2.8	0.9	2.8	4.8	6.7	8.6
47.5°	13.2	11.2	9.1	7.1	5.0	2.9	0.9	2.9	5.0	7.1	9.1
50°	13.7	11.6	9.4	7.3	5.1	3.0	0.9	3.0	5.1	7.3	9.4
52.5°	14.2	11.7	9.4	7.2	5.0	3.0	0.9	3.0	5.0	7.2	9.4
55°	13.8	11.4	9.1	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.1
57.5°	13.4	11.1	9.0	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.0
60°	13.6	11.3	8.9	6.8	4.7	2.8	0.9	2.8	4.7	6.8	8.9
62.5°	13.2	10.7	8.4	6.3	4.4	2.6	0.9	2.6	4.4	6.3	8.4
65°	12.5	10.0	7.7	5.7	4.0	2.4	0.9	2.4	4.0	5.7	7.7
67.5°	11.6	9.0	6.8	5.0	3.4	2.1	0.9	2.1	3.4	5.0	6.8
70°	10.5	8.1	5.9	4.0	2.8	1.8	0.9	1.8	2.8	4.0	5.9
72.5°	9.7	7.4	5.1	3.2	2.3	1.6	0.9	1.6	2.3	3.2	5.1
75°	9.4	7.0	4.6	2.9	1.8	1.3	0.9	1.3	1.8	2.9	4.6
77.5°	8.2	6.2	3.8	2.0	0.7	0.1	0.0	0.1	0.7	2.0	3.8
80°	6.4	4.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
82.5°	4.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	4.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	6.4	4.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
102.5°	8.2	6.2	3.8	2.0	0.7	0.1	0.0	0.1	0.7	2.0	3.8
105°	9.4	7.0	4.6	2.9	1.8	1.3	0.9	1.3	1.8	2.9	4.6
107.5°	9.7	7.4	5.1	3.2	2.3	1.6	0.9	1.6	2.3	3.2	5.1
110°	10.5	8.1	5.9	4.0	2.8	1.8	0.9	1.8	2.8	4.0	5.9



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	11.6	9.0	6.8	5.0	3.4	2.1	0.9	2.1	3.4	5.0	6.8
115°	12.5	10.0	7.7	5.7	4.0	2.4	0.9	2.4	4.0	5.7	7.7
117.5°	13.2	10.7	8.4	6.3	4.4	2.6	0.9	2.6	4.4	6.3	8.4
120°	13.6	11.3	8.9	6.8	4.7	2.8	0.9	2.8	4.7	6.8	8.9
122.5°	13.4	11.1	9.0	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.0
125°	13.8	11.4	9.1	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.1
127.5°	14.2	11.7	9.4	7.2	5.0	3.0	0.9	3.0	5.0	7.2	9.4
130°	13.7	11.6	9.4	7.3	5.1	3.0	0.9	3.0	5.1	7.3	9.4
132.5°	13.2	11.2	9.1	7.1	5.0	2.9	0.9	2.9	5.0	7.1	9.1
135°	12.5	10.5	8.6	6.7	4.8	2.8	0.9	2.8	4.8	6.7	8.6
137.5°	11.9	9.9	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0
140°	11.7	9.7	7.7	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.7
142.5°	11.3	9.5	7.6	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.6
145°	11.0	9.1	7.3	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.3
147.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
150°	9.9	8.2	6.6	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.6
152.5°	9.2	7.7	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
155°	8.6	7.2	5.7	4.3	2.9	1.4	0.0	1.4	2.9	4.3	5.7
157.5°	8.0	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
160°	7.3	6.1	4.9	3.7	2.4	1.2	0.0	1.2	2.4	3.7	4.9
162.5°	6.5	5.4	4.3	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.3
165°	5.6	4.7	3.8	2.8	1.9	1.0	0.0	1.0	1.9	2.8	3.8
167.5°	4.7	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
170°	3.8	3.2	2.6	1.9	1.3	0.6	0.0	0.6	1.3	1.9	2.6
172.5°	2.9	2.4	2.0	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.0
175°	1.9	1.6	1.3	1.0	0.7	0.3	0.0	0.3	0.7	1.0	1.3
177.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	0.8	1.0	1.2	1.3	1.5	1.6	1.8	1.9	2.1	2.2	2.4
5°	1.6	1.9	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6
7.5°	2.4	2.9	3.4	3.9	4.3	4.8	5.2	5.6	6.1	6.5	6.9
10°	3.2	3.8	4.5	5.1	5.7	6.3	6.9	7.5	8.0	8.6	9.1
12.5°	3.9	4.7	5.5	6.2	7.0	7.7	8.4	9.2	9.9	10.6	11.3
15°	4.7	5.6	6.6	7.4	8.3	9.2	10.0	10.9	11.7	12.5	13.3
17.5°	5.4	6.5	7.6	8.6	9.7	10.7	11.7	12.7	13.7	14.6	15.5
20°	6.1	7.3	8.5	9.7	10.8	12.0	13.2	14.3	15.4	16.5	17.6
22.5°	6.7	8.0	9.4	10.7	12.0	13.3	14.6	15.8	17.1	18.3	19.5
25°	7.2	8.6	10.1	11.5	13.0	14.5	15.9	17.3	18.7	20.0	21.4
27.5°	7.7	9.2	10.7	12.2	13.7	15.3	16.9	18.5	20.1	21.7	23.2
30°	8.2	9.9	11.5	13.1	14.7	16.3	17.9	19.5	21.1	22.9	24.7
32.5°	8.8	10.5	12.3	14.0	15.7	17.4	19.1	20.8	22.5	24.2	25.8
35°	9.1	11.0	12.9	14.9	16.7	18.5	20.3	22.1	23.9	25.7	27.5
37.5°	9.5	11.3	13.2	15.1	17.2	19.3	21.5	23.4	25.3	27.1	29.0
40°	9.7	11.7	13.8	15.9	17.9	19.8	21.9	24.2	26.5	28.6	30.5
42.5°	9.9	11.9	13.9	16.1	18.4	20.7	22.9	24.9	27.1	29.6	32.0
45°	10.5	12.5	14.5	16.6	18.7	20.9	23.3	25.8	28.1	30.4	32.9
47.5°	11.2	13.2	15.3	17.3	19.5	21.6	23.8	26.2	28.9	31.5	33.9
50°	11.6	13.7	15.9	18.0	20.2	22.4	24.6	27.0	29.4	32.2	35.0
52.5°	11.7	14.2	16.4	18.7	20.9	23.2	25.5	27.8	30.3	32.9	35.8
55°	11.4	13.8	16.4	19.0	21.5	24.0	26.4	28.8	31.2	33.8	36.7
57.5°	11.1	13.4	16.2	19.0	21.7	24.4	27.1	29.8	32.3	34.9	37.6
60°	11.3	13.6	16.1	18.9	21.9	24.9	27.6	30.5	33.5	36.1	38.8
62.5°	10.7	13.2	16.0	18.9	22.0	25.2	28.3	31.1	34.1	36.8	39.7
65°	10.0	12.5	15.3	18.5	21.8	25.4	28.9	31.3	33.8	37.1	40.3
67.5°	9.0	11.6	14.5	17.7	21.3	25.0	28.0	30.7	33.5	36.8	40.7
70°	8.1	10.5	13.5	16.9	20.2	23.2	26.4	29.6	32.9	36.4	40.7
72.5°	7.4	9.7	12.5	15.5	18.6	21.7	24.8	28.4	32.0	36.0	40.5
75°	7.0	9.4	11.5	13.9	17.1	20.4	23.7	27.2	31.2	35.3	40.3
77.5°	6.2	8.2	10.5	13.1	15.9	19.3	22.7	26.1	30.3	34.8	40.2
80°	4.2	6.4	9.0	12.4	15.2	18.5	21.7	25.1	29.5	34.5	40.2
82.5°	2.1	4.5	7.5	11.2	14.3	17.0	20.2	24.0	28.6	34.2	40.4
85°	0.7	3.2	6.7	10.0	13.1	15.7	18.8	22.8	28.0	34.1	40.8
87.5°	0.3	3.1	6.6	9.7	12.2	14.8	17.7	21.9	27.5	34.2	41.5
90°	0.0	3.6	7.1	9.8	11.5	14.2	16.9	21.3	27.5	34.6	42.6
92.5°	0.3	3.1	6.6	9.7	12.2	14.8	17.7	21.9	27.5	34.2	41.5
95°	0.7	3.2	6.7	10.0	13.1	15.7	18.8	22.8	28.0	34.1	40.8
97.5°	2.1	4.5	7.5	11.2	14.3	17.0	20.2	24.0	28.6	34.2	40.4
100°	4.2	6.4	9.0	12.4	15.2	18.5	21.7	25.1	29.5	34.5	40.2
102.5°	6.2	8.2	10.5	13.1	15.9	19.3	22.7	26.1	30.3	34.8	40.2
105°	7.0	9.4	11.5	13.9	17.1	20.4	23.7	27.2	31.2	35.3	40.3
107.5°	7.4	9.7	12.5	15.5	18.6	21.7	24.8	28.4	32.0	36.0	40.5
110°	8.1	10.5	13.5	16.9	20.2	23.2	26.4	29.6	32.9	36.4	40.7



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	9.0	11.6	14.5	17.7	21.3	25.0	28.0	30.7	33.5	36.8	40.7
115°	10.0	12.5	15.3	18.5	21.8	25.4	28.9	31.3	33.8	37.1	40.3
117.5°	10.7	13.2	16.0	18.9	22.0	25.2	28.3	31.1	34.1	36.8	39.7
120°	11.3	13.6	16.1	18.9	21.9	24.9	27.6	30.5	33.5	36.1	38.8
122.5°	11.1	13.4	16.2	19.0	21.7	24.4	27.1	29.8	32.3	34.9	37.6
125°	11.4	13.8	16.4	19.0	21.5	24.0	26.4	28.8	31.2	33.8	36.7
127.5°	11.7	14.2	16.4	18.7	20.9	23.2	25.5	27.8	30.3	32.9	35.8
130°	11.6	13.7	15.9	18.0	20.2	22.4	24.6	27.0	29.4	32.2	35.0
132.5°	11.2	13.2	15.3	17.3	19.5	21.6	23.8	26.2	28.9	31.5	33.9
135°	10.5	12.5	14.5	16.6	18.7	20.9	23.3	25.8	28.1	30.4	32.9
137.5°	9.9	11.9	13.9	16.1	18.4	20.7	22.9	24.9	27.1	29.6	32.0
140°	9.7	11.7	13.8	15.9	17.9	19.8	21.9	24.2	26.5	28.6	30.5
142.5°	9.5	11.3	13.2	15.1	17.2	19.3	21.5	23.4	25.3	27.1	29.0
145°	9.1	11.0	12.9	14.9	16.7	18.5	20.3	22.1	23.9	25.7	27.5
147.5°	8.8	10.5	12.3	14.0	15.7	17.4	19.1	20.8	22.5	24.2	25.8
150°	8.2	9.9	11.5	13.1	14.7	16.3	17.9	19.5	21.1	22.9	24.7
152.5°	7.7	9.2	10.7	12.2	13.7	15.3	16.9	18.5	20.1	21.7	23.2
155°	7.2	8.6	10.1	11.5	13.0	14.5	15.9	17.3	18.7	20.0	21.4
157.5°	6.7	8.0	9.4	10.7	12.0	13.3	14.6	15.8	17.1	18.3	19.5
160°	6.1	7.3	8.5	9.7	10.8	12.0	13.2	14.3	15.4	16.5	17.6
162.5°	5.4	6.5	7.6	8.6	9.7	10.7	11.7	12.7	13.7	14.6	15.5
165°	4.7	5.6	6.6	7.4	8.3	9.2	10.0	10.9	11.7	12.5	13.3
167.5°	3.9	4.7	5.5	6.2	7.0	7.7	8.4	9.2	9.9	10.6	11.3
170°	3.2	3.8	4.5	5.1	5.7	6.3	6.9	7.5	8.0	8.6	9.1
172.5°	2.4	2.9	3.4	3.9	4.3	4.8	5.2	5.6	6.1	6.5	6.9
175°	1.6	1.9	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6
177.5°	0.8	1.0	1.2	1.3	1.5	1.6	1.8	1.9	2.1	2.2	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: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	2.5	2.6	2.7	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.5
5°	4.9	5.1	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.8	7.0
7.5°	7.2	7.6	8.0	8.3	8.6	9.0	9.3	9.6	9.9	10.1	10.4
10°	9.7	10.2	10.6	11.1	11.5	11.9	12.3	12.7	13.0	13.4	13.7
12.5°	11.9	12.6	13.2	13.8	14.4	14.9	15.4	15.9	16.3	16.7	17.0
15°	14.1	14.8	15.6	16.3	17.0	17.7	18.4	19.0	19.6	20.0	20.4
17.5°	16.3	17.1	17.9	18.8	19.6	20.4	21.2	21.9	22.6	23.3	23.9
20°	18.7	19.6	20.5	21.4	22.2	23.0	23.9	24.8	25.6	26.4	27.1
22.5°	20.7	21.9	23.0	24.2	25.0	25.9	26.7	27.6	28.5	29.4	30.3
25°	22.7	24.0	25.3	26.5	27.7	28.9	29.7	30.5	31.4	32.4	34.2
27.5°	24.6	26.0	27.4	28.8	30.1	31.4	33.3	35.2	37.2	39.4	41.7
30°	26.5	28.0	29.6	31.2	33.2	35.3	37.6	40.1	42.8	45.6	48.5
32.5°	27.7	29.8	31.9	33.8	35.9	38.3	40.9	43.9	47.2	50.7	54.5
35°	29.2	31.1	33.4	35.8	38.2	40.6	43.6	46.9	50.7	54.8	59.4
37.5°	30.9	32.8	34.8	37.2	39.9	42.8	45.6	49.3	53.4	58.2	63.4
40°	32.4	34.5	36.6	38.7	41.2	44.4	47.7	51.1	55.7	60.8	66.8
42.5°	34.0	36.0	38.3	40.5	42.8	45.7	49.3	53.1	57.3	63.1	69.7
45°	35.5	37.7	39.8	42.3	44.7	47.2	50.7	54.7	59.2	65.0	71.9
47.5°	36.5	39.3	41.6	43.9	46.5	49.2	51.9	56.2	61.0	66.3	74.0
50°	37.7	40.5	43.3	45.7	48.2	51.1	53.9	57.7	63.2	69.1	76.3
52.5°	38.8	41.7	44.7	47.6	50.1	54.2	58.2	61.7	66.9	72.5	78.9
55°	39.8	42.9	46.2	50.5	55.0	59.7	63.8	67.0	70.9	76.2	82.2
57.5°	40.8	44.7	49.0	53.9	59.2	64.7	69.5	72.9	75.2	80.4	86.1
60°	42.2	46.4	51.3	56.7	62.6	69.1	75.6	79.1	80.9	84.8	90.3
62.5°	43.2	47.8	53.1	59.0	65.5	72.9	80.6	85.2	87.2	89.6	94.6
65°	44.1	48.8	54.4	60.9	68.1	76.2	84.9	91.6	93.8	94.5	99.1
67.5°	44.6	49.6	55.7	62.6	70.5	79.2	88.8	98.3	100.8	100.3	104.1
70°	45.0	50.2	56.7	64.1	72.6	81.9	92.4	103.8	107.4	106.5	108.1
72.5°	45.4	50.6	57.5	65.5	74.5	84.2	94.1	103.8	107.6	107.0	108.1
75°	45.6	51.3	58.6	66.7	75.6	85.4	94.5	102.6	107.1	107.2	108.2
77.5°	46.2	52.5	60.0	68.2	77.0	86.8	95.8	102.3	106.5	107.2	108.2
80°	46.7	53.7	61.4	70.1	78.7	88.5	97.9	102.7	106.0	107.1	108.3
82.5°	47.3	55.0	63.1	72.2	80.7	90.5	100.4	103.6	105.4	106.8	108.4
85°	48.1	56.5	65.1	74.8	83.1	92.9	103.5	105.0	104.9	106.4	108.6
87.5°	49.1	58.3	67.4	77.6	85.8	95.6	106.7	106.6	104.4	106.1	108.8
90°	50.6	60.4	70.1	80.8	88.8	98.6	110.1	108.3	103.9	105.7	109.2
92.5°	49.1	58.3	67.4	77.6	85.8	95.6	106.7	106.6	104.4	106.1	108.8
95°	48.1	56.5	65.1	74.8	83.1	92.9	103.5	105.0	104.9	106.4	108.6
97.5°	47.3	55.0	63.1	72.2	80.7	90.5	100.4	103.6	105.4	106.8	108.4
100°	46.7	53.7	61.4	70.1	78.7	88.5	97.9	102.7	106.0	107.1	108.3
102.5°	46.2	52.5	60.0	68.2	77.0	86.8	95.8	102.3	106.5	107.2	108.2
105°	45.6	51.3	58.6	66.7	75.6	85.4	94.5	102.6	107.1	107.2	108.2
107.5°	45.4	50.6	57.5	65.5	74.5	84.2	94.1	103.8	107.6	107.0	108.1
110°	45.0	50.2	56.7	64.1	72.6	81.9	92.4	103.8	107.4	106.5	108.1



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	44.6	49.6	55.7	62.6	70.5	79.2	88.8	98.3	100.8	100.3	104.1
115°	44.1	48.8	54.4	60.9	68.1	76.2	84.9	91.6	93.8	94.5	99.1
117.5°	43.2	47.8	53.1	59.0	65.5	72.9	80.6	85.2	87.2	89.6	94.6
120°	42.2	46.4	51.3	56.7	62.6	69.1	75.6	79.1	80.9	84.8	90.3
122.5°	40.8	44.7	49.0	53.9	59.2	64.7	69.5	72.9	75.2	80.4	86.1
125°	39.8	42.9	46.2	50.5	55.0	59.7	63.8	67.0	70.9	76.2	82.2
127.5°	38.8	41.7	44.7	47.6	50.1	54.2	58.2	61.7	66.9	72.5	78.9
130°	37.7	40.5	43.3	45.7	48.2	51.1	53.9	57.7	63.2	69.1	76.3
132.5°	36.5	39.3	41.6	43.9	46.5	49.2	51.9	56.2	61.0	66.3	74.0
135°	35.5	37.7	39.8	42.3	44.7	47.2	50.7	54.7	59.2	65.0	71.9
137.5°	34.0	36.0	38.3	40.5	42.8	45.7	49.3	53.1	57.3	63.1	69.7
140°	32.4	34.5	36.6	38.7	41.2	44.4	47.7	51.1	55.7	60.8	66.8
142.5°	30.9	32.8	34.8	37.2	39.9	42.8	45.6	49.3	53.4	58.2	63.4
145°	29.2	31.1	33.4	35.8	38.2	40.6	43.6	46.9	50.7	54.8	59.4
147.5°	27.7	29.8	31.9	33.8	35.9	38.3	40.9	43.9	47.2	50.7	54.5
150°	26.5	28.0	29.6	31.2	33.2	35.3	37.6	40.1	42.8	45.6	48.5
152.5°	24.6	26.0	27.4	28.8	30.1	31.4	33.3	35.2	37.2	39.4	41.7
155°	22.7	24.0	25.3	26.5	27.7	28.9	29.7	30.5	31.4	32.4	34.2
157.5°	20.7	21.9	23.0	24.2	25.0	25.9	26.7	27.6	28.5	29.4	30.3
160°	18.7	19.6	20.5	21.4	22.2	23.0	23.9	24.8	25.6	26.4	27.1
162.5°	16.3	17.1	17.9	18.8	19.6	20.4	21.2	21.9	22.6	23.3	23.9
165°	14.1	14.8	15.6	16.3	17.0	17.7	18.4	19.0	19.6	20.0	20.4
167.5°	11.9	12.6	13.2	13.8	14.4	14.9	15.4	15.9	16.3	16.7	17.0
170°	9.7	10.2	10.6	11.1	11.5	11.9	12.3	12.7	13.0	13.4	13.7
172.5°	7.2	7.6	8.0	8.3	8.6	9.0	9.3	9.6	9.9	10.1	10.4
175°	4.9	5.1	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.8	7.0
177.5°	2.5	2.6	2.7	2.9	3.0	3.1	3.2	3.3	3.4	3.5	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: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.4
5°	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.8	7.9	7.9	8.9
7.5°	10.6	10.8	11.0	11.2	11.4	11.5	11.6	11.7	11.8	11.8	13.3
10°	14.0	14.3	14.6	14.9	15.1	15.3	15.4	15.6	15.7	15.8	17.7
12.5°	17.4	17.8	18.1	18.4	18.7	19.0	19.2	19.4	19.6	19.7	22.1
15°	20.8	21.2	21.6	22.0	22.4	22.7	23.0	23.3	23.5	23.7	26.5
17.5°	24.3	24.7	25.1	25.5	26.0	26.4	26.8	27.1	27.4	27.6	30.9
20°	27.8	28.3	28.7	29.0	29.5	30.0	30.5	30.9	31.3	31.6	35.2
22.5°	31.1	31.9	32.3	32.7	33.1	33.7	34.2	34.7	35.1	35.5	39.6
25°	36.1	37.9	39.6	41.0	42.4	43.9	45.4	46.7	47.8	48.7	53.4
27.5°	44.2	46.5	48.7	50.8	52.7	54.7	56.9	58.8	60.5	61.9	67.4
30°	51.5	54.6	57.3	60.0	62.7	65.2	68.1	70.8	73.1	75.2	81.4
32.5°	58.3	62.0	65.5	68.8	72.2	75.5	79.1	82.6	85.7	88.4	95.5
35°	64.3	68.9	73.4	77.3	81.3	85.5	89.8	94.3	98.1	101.6	109.6
37.5°	69.3	75.2	80.6	85.5	90.3	95.2	100.4	105.8	110.5	114.8	123.7
40°	73.5	80.9	87.3	93.4	98.8	104.6	110.7	117.1	122.9	128.1	137.9
42.5°	76.9	85.6	93.7	101.2	107.1	113.7	121.1	128.3	135.2	141.3	152.1
45°	80.1	89.6	99.6	107.9	115.3	122.6	130.9	139.4	147.4	154.5	166.3
47.5°	82.8	92.2	102.8	111.3	119.0	126.2	134.8	144.2	153.8	162.9	176.1
50°	84.7	93.6	103.6	112.7	120.9	128.6	137.9	148.5	159.9	171.3	185.9
52.5°	87.2	95.8	105.1	114.2	122.8	131.1	141.0	152.7	166.0	179.7	195.8
55°	90.2	98.5	107.0	115.9	124.6	133.6	144.1	156.8	171.9	188.1	205.7
57.5°	93.4	101.6	109.5	117.7	126.6	136.1	147.1	160.8	177.7	196.4	215.6
60°	96.9	105.1	112.8	119.9	128.6	138.5	150.1	164.7	183.5	204.8	225.5
62.5°	100.6	108.9	115.9	122.6	130.8	140.9	153.1	168.5	189.2	213.2	235.4
65°	104.9	112.8	119.6	125.6	133.1	143.3	156.0	172.3	194.8	221.6	245.4
67.5°	109.5	116.9	123.6	128.9	135.5	145.8	159.0	176.1	200.4	230.0	255.3
70°	112.4	118.5	124.5	129.1	134.7	144.4	157.4	174.7	199.0	228.8	255.9
72.5°	112.3	117.6	123.5	128.0	133.2	142.6	155.6	173.3	197.7	227.6	256.3
75°	112.3	117.0	122.6	127.1	131.9	141.0	153.8	171.9	196.4	226.4	257.8
77.5°	112.6	116.7	121.8	126.2	130.7	139.4	152.0	170.7	195.2	225.2	257.9
80°	112.9	116.5	121.1	125.4	129.6	138.0	150.4	169.6	194.0	224.1	258.0
82.5°	113.4	116.5	120.5	124.6	128.6	136.6	148.8	168.5	192.9	222.9	258.1
85°	114.0	116.7	119.9	123.8	127.7	135.4	147.3	167.6	191.9	221.7	258.2
87.5°	114.7	116.9	119.4	123.1	126.8	134.2	146.0	166.7	190.9	220.5	258.3
90°	115.4	117.2	119.0	122.5	126.1	133.2	144.7	166.0	190.0	219.3	258.4
92.5°	114.7	116.9	119.4	123.1	126.8	134.2	146.0	166.7	190.9	220.5	258.3
95°	114.0	116.7	119.9	123.8	127.7	135.4	147.3	167.6	191.9	221.7	258.2
97.5°	113.4	116.5	120.5	124.6	128.6	136.6	148.8	168.5	192.9	222.9	258.1
100°	112.9	116.5	121.1	125.4	129.6	138.0	150.4	169.6	194.0	224.1	258.0
102.5°	112.6	116.7	121.8	126.2	130.7	139.4	152.0	170.7	195.2	225.2	257.9
105°	112.3	117.0	122.6	127.1	131.9	141.0	153.8	171.9	196.4	226.4	257.8
107.5°	112.3	117.6	123.5	128.0	133.2	142.6	155.6	173.3	197.7	227.6	256.3
110°	112.4	118.5	124.5	129.1	134.7	144.4	157.4	174.7	199.0	228.8	255.9





TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	109.5	116.9	123.6	128.9	135.5	145.8	159.0	176.1	200.4	230.0	255.3
115°	104.9	112.8	119.6	125.6	133.1	143.3	156.0	172.3	194.8	221.6	245.4
117.5°	100.6	108.9	115.9	122.6	130.8	140.9	153.1	168.5	189.2	213.2	235.4
120°	96.9	105.1	112.8	119.9	128.6	138.5	150.1	164.7	183.5	204.8	225.5
122.5°	93.4	101.6	109.5	117.7	126.6	136.1	147.1	160.8	177.7	196.4	215.6
125°	90.2	98.5	107.0	115.9	124.6	133.6	144.1	156.8	171.9	188.1	205.7
127.5°	87.2	95.8	105.1	114.2	122.8	131.1	141.0	152.7	166.0	179.7	195.8
130°	84.7	93.6	103.6	112.7	120.9	128.6	137.9	148.5	159.9	171.3	185.9
132.5°	82.8	92.2	102.8	111.3	119.0	126.2	134.8	144.2	153.8	162.9	176.1
135°	80.1	89.6	99.6	107.9	115.3	122.6	130.9	139.4	147.4	154.5	166.3
137.5°	76.9	85.6	93.7	101.2	107.1	113.7	121.1	128.3	135.2	141.3	152.1
140°	73.5	80.9	87.3	93.4	98.8	104.6	110.7	117.1	122.9	128.1	137.9
142.5°	69.3	75.2	80.6	85.5	90.3	95.2	100.4	105.8	110.5	114.8	123.7
145°	64.3	68.9	73.4	77.3	81.3	85.5	89.8	94.3	98.1	101.6	109.6
147.5°	58.3	62.0	65.5	68.8	72.2	75.5	79.1	82.6	85.7	88.4	95.5
150°	51.5	54.6	57.3	60.0	62.7	65.2	68.1	70.8	73.1	75.2	81.4
152.5°	44.2	46.5	48.7	50.8	52.7	54.7	56.9	58.8	60.5	61.9	67.4
155°	36.1	37.9	39.6	41.0	42.4	43.9	45.4	46.7	47.8	48.7	53.4
157.5°	31.1	31.9	32.3	32.7	33.1	33.7	34.2	34.7	35.1	35.5	39.6
160°	27.8	28.3	28.7	29.0	29.5	30.0	30.5	30.9	31.3	31.6	35.2
162.5°	24.3	24.7	25.1	25.5	26.0	26.4	26.8	27.1	27.4	27.6	30.9
165°	20.8	21.2	21.6	22.0	22.4	22.7	23.0	23.3	23.5	23.7	26.5
167.5°	17.4	17.8	18.1	18.4	18.7	19.0	19.2	19.4	19.6	19.7	22.1
170°	14.0	14.3	14.6	14.9	15.1	15.3	15.4	15.6	15.7	15.8	17.7
172.5°	10.6	10.8	11.0	11.2	11.4	11.5	11.6	11.7	11.8	11.8	13.3
175°	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.8	7.9	7.9	8.9
177.5°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.4
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: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	4.9	5.4	5.9	6.3	6.8	7.2	7.6	8.0	8.4	8.8	9.1
5°	9.8	10.8	11.7	12.6	13.5	14.3	15.2	16.0	16.7	17.5	18.2
7.5°	14.7	16.1	17.5	18.8	20.1	21.4	22.7	24.4	26.0	27.5	29.0
10°	19.6	21.4	23.2	25.0	26.9	29.2	31.5	33.7	35.8	37.9	40.0
12.5°	24.4	26.7	29.0	31.5	34.4	37.4	40.2	42.9	45.5	47.9	50.3
15°	29.3	32.0	34.8	38.4	42.0	45.5	48.8	51.8	54.7	57.6	60.7
17.5°	34.0	37.2	41.1	45.3	49.5	53.4	56.9	60.3	63.6	66.9	70.2
20°	38.8	42.5	47.4	52.2	56.9	60.8	64.6	68.4	72.3	76.1	79.8
22.5°	43.6	48.1	53.6	59.1	63.7	67.9	72.1	76.5	80.8	85.0	88.9
25°	57.9	63.1	68.7	73.8	77.6	81.2	84.5	87.7	90.6	93.2	97.4
27.5°	72.6	78.9	85.2	90.2	94.5	98.3	101.7	104.8	107.4	109.9	111.6
30°	87.4	94.7	101.8	106.7	111.7	114.9	118.2	121.0	123.6	125.4	126.9
32.5°	102.5	110.5	117.7	123.2	127.7	131.0	134.0	136.7	138.7	140.2	142.5
35°	117.6	126.3	133.7	139.6	143.5	146.9	149.3	151.6	153.0	154.8	157.9
37.5°	132.7	142.2	149.6	155.9	158.9	161.6	164.0	165.6	167.0	169.3	172.5
40°	147.8	158.0	165.6	171.3	173.9	176.2	178.2	179.1	180.6	182.9	187.6
42.5°	163.0	173.8	181.6	186.3	188.5	190.4	191.5	192.1	193.7	196.8	201.9
45°	178.1	189.3	197.5	201.0	202.6	204.1	204.4	204.9	205.8	210.5	216.6
47.5°	189.3	201.7	212.2	216.7	219.9	221.7	221.0	218.7	218.8	223.9	231.0
50°	200.4	214.2	226.7	234.0	240.6	245.8	249.2	251.3	254.4	256.2	256.4
52.5°	211.5	227.0	241.6	252.3	262.7	272.0	280.2	287.3	296.5	301.5	301.7
55°	222.6	240.2	257.3	271.7	286.1	300.2	313.6	327.5	341.4	348.6	343.9
57.5°	233.7	253.7	273.7	292.2	310.9	330.2	349.4	370.4	387.3	393.2	383.4
60°	244.9	267.4	290.7	313.5	337.1	361.9	387.2	415.7	434.3	433.6	420.0
62.5°	256.0	281.3	308.2	335.6	364.6	395.5	427.3	463.2	482.4	471.9	453.8
65°	267.2	295.4	326.2	358.3	393.1	430.4	469.8	510.0	531.0	508.4	485.2
67.5°	278.3	309.6	344.5	381.6	422.4	466.3	513.7	556.4	570.2	542.9	514.4
70°	281.7	314.0	350.2	390.1	435.1	484.4	539.2	586.7	599.1	573.6	543.5
72.5°	284.9	317.4	353.7	394.7	440.7	490.4	544.8	590.0	598.4	578.9	556.1
75°	288.1	320.5	356.9	399.0	445.8	495.6	549.0	593.0	600.1	587.1	567.3
77.5°	291.3	323.4	359.8	402.9	450.2	499.9	551.7	595.7	603.9	597.8	579.0
80°	295.6	326.1	362.3	406.4	454.0	503.3	553.2	598.1	609.2	610.3	591.4
82.5°	298.3	329.4	365.8	409.6	457.3	506.0	553.5	599.9	615.8	624.3	604.3
85°	301.0	331.1	367.0	413.2	461.0	509.3	554.2	602.8	622.9	639.2	617.7
87.5°	303.6	332.9	368.2	414.8	462.3	509.5	551.4	602.0	630.6	654.7	631.5
90°	306.3	334.7	369.4	416.4	463.5	509.7	548.7	601.1	637.5	669.5	646.4
92.5°	303.6	332.9	368.2	414.8	462.3	509.5	551.4	602.0	630.6	654.7	631.5
95°	301.0	331.1	367.0	413.2	461.0	509.3	554.2	602.8	622.9	639.2	617.7
97.5°	298.3	329.4	365.8	409.6	457.3	506.0	553.5	599.9	615.8	624.3	604.3
100°	295.6	326.1	362.3	406.4	454.0	503.3	553.2	598.1	609.2	610.3	591.4
102.5°	291.3	323.4	359.8	402.9	450.2	499.9	551.7	595.7	603.9	597.8	579.0
105°	288.1	320.5	356.9	399.0	445.8	495.6	549.0	593.0	600.1	587.1	567.3
107.5°	284.9	317.4	353.7	394.7	440.7	490.4	544.8	590.0	598.4	578.9	556.1
110°	281.7	314.0	350.2	390.1	435.1	484.4	539.2	586.7	599.1	573.6	543.5



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	278.3	309.6	344.5	381.6	422.4	466.3	513.7	556.4	570.2	542.9	514.4
115°	267.2	295.4	326.2	358.3	393.1	430.4	469.8	510.0	531.0	508.4	485.2
117.5°	256.0	281.3	308.2	335.6	364.6	395.5	427.3	463.2	482.4	471.9	453.8
120°	244.9	267.4	290.7	313.5	337.1	361.9	387.2	415.7	434.3	433.6	420.0
122.5°	233.7	253.7	273.7	292.2	310.9	330.2	349.4	370.4	387.3	393.2	383.4
125°	222.6	240.2	257.3	271.7	286.1	300.2	313.6	327.5	341.4	348.6	343.9
127.5°	211.5	227.0	241.6	252.3	262.7	272.0	280.2	287.3	296.5	301.5	301.7
130°	200.4	214.2	226.7	234.0	240.6	245.8	249.2	251.3	254.4	256.2	256.4
132.5°	189.3	201.7	212.2	216.7	219.9	221.7	221.0	218.7	218.8	223.9	231.0
135°	178.1	189.3	197.5	201.0	202.6	204.1	204.4	204.9	205.8	210.5	216.6
137.5°	163.0	173.8	181.6	186.3	188.5	190.4	191.5	192.1	193.7	196.8	201.9
140°	147.8	158.0	165.6	171.3	173.9	176.2	178.2	179.1	180.6	182.9	187.6
142.5°	132.7	142.2	149.6	155.9	158.9	161.6	164.0	165.6	167.0	169.3	172.5
145°	117.6	126.3	133.7	139.6	143.5	146.9	149.3	151.6	153.0	154.8	157.9
147.5°	102.5	110.5	117.7	123.2	127.7	131.0	134.0	136.7	138.7	140.2	142.5
150°	87.4	94.7	101.8	106.7	111.7	114.9	118.2	121.0	123.6	125.4	126.9
152.5°	72.6	78.9	85.2	90.2	94.5	98.3	101.7	104.8	107.4	109.9	111.6
155°	57.9	63.1	68.7	73.8	77.6	81.2	84.5	87.7	90.6	93.2	97.4
157.5°	43.6	48.1	53.6	59.1	63.7	67.9	72.1	76.5	80.8	85.0	88.9
160°	38.8	42.5	47.4	52.2	56.9	60.8	64.6	68.4	72.3	76.1	79.8
162.5°	34.0	37.2	41.1	45.3	49.5	53.4	56.9	60.3	63.6	66.9	70.2
165°	29.3	32.0	34.8	38.4	42.0	45.5	48.8	51.8	54.7	57.6	60.7
167.5°	24.4	26.7	29.0	31.5	34.4	37.4	40.2	42.9	45.5	47.9	50.3
170°	19.6	21.4	23.2	25.0	26.9	29.2	31.5	33.7	35.8	37.9	40.0
172.5°	14.7	16.1	17.5	18.8	20.1	21.4	22.7	24.4	26.0	27.5	29.0
175°	9.8	10.8	11.7	12.6	13.5	14.3	15.2	16.0	16.7	17.5	18.2
177.5°	4.9	5.4	5.9	6.3	6.8	7.2	7.6	8.0	8.4	8.8	9.1
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: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	9.5	9.8	10.1	10.4	10.6	10.9	11.1	11.3	11.5	11.6	11.8
5°	19.1	20.0	20.9	21.7	22.5	23.2	23.9	24.5	25.0	25.6	26.0
7.5°	30.5	31.8	33.1	34.4	35.5	36.6	37.6	38.6	39.4	40.2	40.9
10°	41.7	43.5	45.2	46.8	48.3	49.8	51.1	52.4	53.6	54.7	55.7
12.5°	52.5	54.7	56.8	58.9	60.8	62.7	64.5	66.1	67.6	69.2	70.6
15°	63.1	65.7	68.3	70.8	73.1	75.6	77.9	80.1	82.2	84.1	86.1
17.5°	73.4	76.9	79.6	82.5	85.4	88.2	91.0	93.9	96.6	99.3	101.8
20°	83.4	86.9	90.4	93.7	97.0	100.3	103.6	106.8	110.0	112.9	115.6
22.5°	92.8	96.6	100.2	103.8	107.5	111.6	115.6	119.3	122.7	125.1	127.1
25°	101.2	104.9	109.1	113.6	118.5	123.2	127.5	131.2	134.3	137.2	140.1
27.5°	113.0	115.1	118.6	124.2	130.1	135.5	140.9	145.2	149.6	153.4	156.6
30°	129.4	132.7	136.2	140.6	144.9	150.3	156.7	162.3	167.4	171.8	175.7
32.5°	145.8	149.6	154.4	159.2	165.0	170.5	176.0	181.5	186.9	190.9	194.6
35°	161.6	166.7	172.1	178.4	184.7	191.1	197.2	201.7	205.6	210.6	217.0
37.5°	177.6	183.3	190.1	197.1	204.4	210.9	216.4	221.8	228.0	234.6	240.9
40°	193.1	200.2	207.7	215.7	223.1	229.8	236.7	243.7	251.5	259.8	268.6
42.5°	209.0	216.6	225.3	233.7	241.6	249.4	257.2	266.6	276.9	288.1	300.1
45°	224.1	233.2	242.5	251.6	260.2	268.6	279.1	290.1	303.6	318.2	335.7
47.5°	239.7	249.3	259.7	269.2	278.2	289.2	301.2	315.5	332.1	350.7	375.9
50°	256.5	265.8	276.7	286.0	297.0	309.2	324.1	341.5	361.8	389.6	420.0
52.5°	299.4	299.5	300.1	302.9	315.8	330.0	347.1	367.5	396.7	429.8	467.0
55°	339.0	335.8	334.3	336.1	341.8	351.2	368.9	397.9	432.1	471.3	517.8
57.5°	374.9	368.8	365.8	366.6	371.7	382.8	401.7	428.6	468.4	516.3	569.2
60°	407.7	398.9	394.8	394.7	400.4	413.2	437.2	470.3	511.2	559.8	622.4
62.5°	438.4	427.5	421.0	419.3	427.4	445.2	472.7	509.2	556.0	612.9	675.7
65°	467.0	454.0	445.5	444.1	453.4	473.4	505.7	548.3	601.0	662.6	731.4
67.5°	493.7	478.3	467.5	468.0	479.7	502.5	537.1	582.6	641.9	710.3	786.9
70°	519.5	501.0	487.1	490.1	503.0	528.9	567.1	617.9	680.8	753.8	840.4
72.5°	535.0	518.1	507.6	511.6	524.1	553.2	592.7	648.1	715.8	796.0	884.9
75°	546.5	530.8	525.7	532.3	547.3	576.3	618.1	674.5	745.3	832.4	920.0
77.5°	558.4	544.5	544.1	551.8	568.6	600.0	644.9	702.8	775.7	861.2	943.9
80°	570.6	559.1	562.7	570.4	588.1	621.5	667.7	725.2	800.3	884.9	970.7
82.5°	583.2	574.3	581.4	588.2	605.8	641.0	686.9	742.2	818.5	903.7	990.8
85°	596.4	590.0	600.0	605.3	622.1	658.5	702.7	754.5	830.8	917.4	1004.3
87.5°	609.7	606.0	618.7	622.0	637.7	675.0	716.7	764.0	839.9	928.5	1014.2
90°	624.2	622.4	636.6	638.4	651.7	688.1	726.3	768.0	839.9	928.7	1012.2
92.5°	609.7	606.0	618.7	622.0	637.7	675.0	716.7	764.0	839.9	928.5	1014.2
95°	596.4	590.0	600.0	605.3	622.1	658.5	702.7	754.5	830.8	917.4	1004.3
97.5°	583.2	574.3	581.4	588.2	605.8	641.0	686.9	742.2	818.5	903.7	990.8
100°	570.6	559.1	562.7	570.4	588.1	621.5	667.7	725.2	800.3	884.9	970.7
102.5°	558.4	544.5	544.1	551.8	568.6	600.0	644.9	702.8	775.7	861.2	943.9
105°	546.5	530.8	525.7	532.3	547.3	576.3	618.1	674.5	745.3	832.4	920.0
107.5°	535.0	518.1	507.6	511.6	524.1	553.2	592.7	648.1	715.8	796.0	884.9
110°	519.5	501.0	487.1	490.1	503.0	528.9	567.1	617.9	680.8	753.8	840.4



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	493.7	478.3	467.5	468.0	479.7	502.5	537.1	582.6	641.9	710.3	786.9
115°	467.0	454.0	445.5	444.1	453.4	473.4	505.7	548.3	601.0	662.6	731.4
117.5°	438.4	427.5	421.0	419.3	427.4	445.2	472.7	509.2	556.0	612.9	675.7
120°	407.7	398.9	394.8	394.7	400.4	413.2	437.2	470.3	511.2	559.8	622.4
122.5°	374.9	368.8	365.8	366.6	371.7	382.8	401.7	428.6	468.4	516.3	569.2
125°	339.0	335.8	334.3	336.1	341.8	351.2	368.9	397.9	432.1	471.3	517.8
127.5°	299.4	299.5	300.1	302.9	315.8	330.0	347.1	367.5	396.7	429.8	467.0
130°	256.5	265.8	276.7	286.0	297.0	309.2	324.1	341.5	361.8	389.6	420.0
132.5°	239.7	249.3	259.7	269.2	278.2	289.2	301.2	315.5	332.1	350.7	375.9
135°	224.1	233.2	242.5	251.6	260.2	268.6	279.1	290.1	303.6	318.2	335.7
137.5°	209.0	216.6	225.3	233.7	241.6	249.4	257.2	266.6	276.9	288.1	300.1
140°	193.1	200.2	207.7	215.7	223.1	229.8	236.7	243.7	251.5	259.8	268.6
142.5°	177.6	183.3	190.1	197.1	204.4	210.9	216.4	221.8	228.0	234.6	240.9
145°	161.6	166.7	172.1	178.4	184.7	191.1	197.2	201.7	205.6	210.6	217.0
147.5°	145.8	149.6	154.4	159.2	165.0	170.5	176.0	181.5	186.9	190.9	194.6
150°	129.4	132.7	136.2	140.6	144.9	150.3	156.7	162.3	167.4	171.8	175.7
152.5°	113.0	115.1	118.6	124.2	130.1	135.5	140.9	145.2	149.6	153.4	156.6
155°	101.2	104.9	109.1	113.6	118.5	123.2	127.5	131.2	134.3	137.2	140.1
157.5°	92.8	96.6	100.2	103.8	107.5	111.6	115.6	119.3	122.7	125.1	127.1
160°	83.4	86.9	90.4	93.7	97.0	100.3	103.6	106.8	110.0	112.9	115.6
162.5°	73.4	76.9	79.6	82.5	85.4	88.2	91.0	93.9	96.6	99.3	101.8
165°	63.1	65.7	68.3	70.8	73.1	75.6	77.9	80.1	82.2	84.1	86.1
167.5°	52.5	54.7	56.8	58.9	60.8	62.7	64.5	66.1	67.6	69.2	70.6
170°	41.7	43.5	45.2	46.8	48.3	49.8	51.1	52.4	53.6	54.7	55.7
172.5°	30.5	31.8	33.1	34.4	35.5	36.6	37.6	38.6	39.4	40.2	40.9
175°	19.1	20.0	20.9	21.7	22.5	23.2	23.9	24.5	25.0	25.6	26.0
177.5°	9.5	9.8	10.1	10.4	10.6	10.9	11.1	11.3	11.5	11.6	11.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231939

CATALOG NUMBER: FVS4WM-2-LD4-50-2STD-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°	11.9	12.0	12.1	12.1	12.1	12.1	12.5	12.3	12.2	12.0	11.8
5°	26.4	26.7	27.0	27.3	27.4	27.5	27.6	27.6	27.9	27.6	27.3
7.5°	41.6	42.1	42.6	43.0	43.3	43.6	43.7	43.7	43.7	44.0	43.5
10°	56.6	57.4	58.1	58.7	59.2	59.5	59.7	59.9	59.8	60.3	59.7
12.5°	72.0	73.2	74.3	75.3	76.2	76.8	77.4	77.8	78.0	78.0	78.3
15°	88.0	89.9	91.6	93.2	94.7	96.0	97.1	98.0	98.7	99.2	100.0
17.5°	104.2	106.2	108.0	109.6	111.0	112.2	113.1	113.9	114.4	114.8	115.3
20°	118.1	120.0	121.0	121.6	122.0	122.1	121.9	121.5	121.0	120.2	119.4
22.5°	128.7	129.8	131.0	132.0	132.5	132.7	132.5	132.0	131.2	130.0	128.9
25°	142.5	144.3	145.5	146.5	147.0	146.9	146.3	145.3	143.9	142.2	140.1
27.5°	159.3	161.3	162.6	163.7	164.6	165.2	165.3	165.0	164.2	162.9	161.2
30°	178.2	180.7	182.8	184.5	187.9	190.8	193.2	195.1	196.3	196.8	196.6
32.5°	198.5	203.8	208.8	213.5	218.4	223.1	227.2	230.5	233.1	234.9	235.7
35°	223.4	230.5	237.7	244.5	251.3	259.4	266.9	273.4	279.0	283.4	286.6
37.5°	249.6	258.8	270.0	281.0	291.4	303.3	314.5	324.6	333.3	340.5	346.1
40°	279.2	291.7	307.2	323.0	338.2	354.4	371.0	385.7	398.5	409.0	417.3
42.5°	315.0	330.6	349.8	373.3	395.4	416.3	437.3	456.1	472.5	486.2	497.1
45°	354.8	379.4	403.3	431.3	458.8	487.2	511.9	537.1	559.0	577.3	592.0
47.5°	403.2	433.1	463.3	495.2	531.7	565.7	600.0	633.0	662.1	686.7	706.6
50°	454.4	490.1	530.9	570.6	615.4	659.4	702.0	743.4	778.5	807.3	829.5
52.5°	509.4	554.4	604.8	655.6	711.4	768.1	818.9	869.9	913.5	949.5	977.4
55°	567.4	624.1	683.5	749.4	817.4	890.4	954.8	999.5	1037.6	1071.9	1101.3
57.5°	629.5	695.6	766.3	845.7	931.5	992.0	1046.8	1093.0	1135.4	1174.7	1209.7
60°	691.0	765.3	849.2	933.7	1009.5	1071.2	1123.2	1171.9	1217.8	1261.2	1300.9
62.5°	747.2	831.7	925.4	1014.8	1080.9	1140.0	1188.9	1235.9	1282.6	1327.7	1369.7
65°	807.7	898.9	1001.3	1076.3	1138.6	1193.4	1241.5	1286.1	1334.2	1383.5	1426.7
67.5°	873.5	975.9	1056.3	1123.3	1181.8	1234.8	1286.4	1337.7	1386.2	1434.2	1475.5
70°	934.9	1024.0	1099.4	1159.8	1215.1	1271.2	1327.4	1382.1	1434.0	1481.0	1520.3
72.5°	978.0	1063.7	1134.9	1191.3	1245.7	1301.1	1361.8	1420.6	1478.4	1525.4	1560.3
75°	1009.8	1093.2	1159.9	1217.1	1274.5	1332.0	1390.6	1452.1	1508.6	1562.2	1602.4
77.5°	1034.2	1120.9	1177.7	1238.4	1298.8	1359.6	1418.6	1474.0	1536.3	1594.1	1641.4
80°	1059.0	1134.7	1191.2	1254.4	1316.5	1382.4	1438.5	1498.2	1557.9	1618.9	1663.4
82.5°	1081.0	1148.5	1207.3	1267.8	1329.3	1390.5	1451.2	1514.5	1578.3	1643.8	1682.1
85°	1096.6	1157.6	1217.4	1277.2	1340.4	1402.7	1461.8	1521.7	1588.3	1654.8	1703.2
87.5°	1109.0	1161.9	1221.2	1279.8	1344.0	1411.1	1471.8	1534.8	1596.8	1661.1	1696.4
90°	1107.2	1161.4	1219.1	1275.9	1339.8	1411.8	1472.1	1536.1	1598.2	1662.1	1689.7
92.5°	1109.0	1161.9	1221.2	1279.8	1344.0	1411.1	1471.8	1534.8	1596.8	1661.1	1696.4
95°	1096.6	1157.6	1217.4	1277.2	1340.4	1402.7	1461.8	1521.7	1588.3	1654.8	1703.2
97.5°	1081.0	1148.5	1207.3	1267.8	1329.3	1390.5	1451.2	1514.5	1578.3	1643.8	1682.1
100°	1059.0	1134.7	1191.2	1254.4	1316.5	1382.4	1438.5	1498.2	1557.9	1618.9	1663.4
102.5°	1034.2	1120.9	1177.7	1238.4	1298.8	1359.6	1418.6	1474.0	1536.3	1594.1	1641.4
105°	1009.8	1093.2	1159.9	1217.1	1274.5	1332.0	1390.6	1452.1	1508.6	1562.2	1602.4
107.5°	978.0	1063.7	1134.9	1191.3	1245.7	1301.1	1361.8	1420.6	1478.4	1525.4	1560.3
110°	934.9	1024.0	1099.4	1159.8	1215.1	1271.2	1327.4	1382.1	1434.0	1481.0	1520.3



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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°	873.5	975.9	1056.3	1123.3	1181.8	1234.8	1286.4	1337.7	1386.2	1434.2	1475.5
115°	807.7	898.9	1001.3	1076.3	1138.6	1193.4	1241.5	1286.1	1334.2	1383.5	1426.7
117.5°	747.2	831.7	925.4	1014.8	1080.9	1140.0	1188.9	1235.9	1282.6	1327.7	1369.7
120°	691.0	765.3	849.2	933.7	1009.5	1071.2	1123.2	1171.9	1217.8	1261.2	1300.9
122.5°	629.5	695.6	766.3	845.7	931.5	992.0	1046.8	1093.0	1135.4	1174.7	1209.7
125°	567.4	624.1	683.5	749.4	817.4	890.4	954.8	999.5	1037.6	1071.9	1101.3
127.5°	509.4	554.4	604.8	655.6	711.4	768.1	818.9	869.9	913.5	949.5	977.4
130°	454.4	490.1	530.9	570.6	615.4	659.4	702.0	743.4	778.5	807.3	829.5
132.5°	403.2	433.1	463.3	495.2	531.7	565.7	600.0	633.0	662.1	686.7	706.6
135°	354.8	379.4	403.3	431.3	458.8	487.2	511.9	537.1	559.0	577.3	592.0
137.5°	315.0	330.6	349.8	373.3	395.4	416.3	437.3	456.1	472.5	486.2	497.1
140°	279.2	291.7	307.2	323.0	338.2	354.4	371.0	385.7	398.5	409.0	417.3
142.5°	249.6	258.8	270.0	281.0	291.4	303.3	314.5	324.6	333.3	340.5	346.1
145°	223.4	230.5	237.7	244.5	251.3	259.4	266.9	273.4	279.0	283.4	286.6
147.5°	198.5	203.8	208.8	213.5	218.4	223.1	227.2	230.5	233.1	234.9	235.7
150°	178.2	180.7	182.8	184.5	187.9	190.8	193.2	195.1	196.3	196.8	196.6
152.5°	159.3	161.3	162.6	163.7	164.6	165.2	165.3	165.0	164.2	162.9	161.2
155°	142.5	144.3	145.5	146.5	147.0	146.9	146.3	145.3	143.9	142.2	140.1
157.5°	128.7	129.8	131.0	132.0	132.5	132.7	132.5	132.0	131.2	130.0	128.9
160°	118.1	120.0	121.0	121.6	122.0	122.1	121.9	121.5	121.0	120.2	119.4
162.5°	104.2	106.2	108.0	109.6	111.0	112.2	113.1	113.9	114.4	114.8	115.3
165°	88.0	89.9	91.6	93.2	94.7	96.0	97.1	98.0	98.7	99.2	100.0
167.5°	72.0	73.2	74.3	75.3	76.2	76.8	77.4	77.8	78.0	78.0	78.3
170°	56.6	57.4	58.1	58.7	59.2	59.5	59.7	59.9	59.8	60.3	59.7
172.5°	41.6	42.1	42.6	43.0	43.3	43.6	43.7	43.7	43.7	44.0	43.5
175°	26.4	26.7	27.0	27.3	27.4	27.5	27.6	27.6	27.9	27.6	27.3
177.5°	11.9	12.0	12.1	12.1	12.1	12.1	12.5	12.3	12.2	12.0	11.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	0.0	0.0
2.5°	11.7	11.5
5°	26.9	26.6
7.5°	43.1	42.6
10°	59.2	58.6
12.5°	77.7	77.2
15°	99.7	99.4
17.5°	114.9	114.5
20°	118.3	117.2
22.5°	127.1	125.2
25°	137.8	135.0
27.5°	159.2	156.3
30°	196.0	193.6
32.5°	236.2	234.4
35°	289.2	288.6
37.5°	350.8	351.6
40°	424.4	426.2
42.5°	506.6	509.7
45°	604.8	609.1
47.5°	724.3	730.7
50°	848.3	854.2
52.5°	1001.2	1007.8
55°	1128.7	1140.9
57.5°	1243.2	1261.7
60°	1339.2	1363.8
62.5°	1407.6	1440.2
65°	1463.8	1495.2
67.5°	1510.4	1539.6
70°	1551.8	1576.9
72.5°	1586.2	1605.3
75°	1627.1	1643.5
77.5°	1660.1	1669.2
80°	1681.1	1687.0
82.5°	1696.4	1697.7
85°	1708.6	1697.7
87.5°	1717.2	1709.2
90°	1717.2	1729.6
92.5°	1717.2	1709.2
95°	1708.6	1697.7
97.5°	1696.4	1697.7
100°	1681.1	1687.0
102.5°	1660.1	1669.2
105°	1627.1	1643.5
107.5°	1586.2	1605.3
110°	1551.8	1576.9





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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1510.4	1539.6
115°	1463.8	1495.2
117.5°	1407.6	1440.2
120°	1339.2	1363.8
122.5°	1243.2	1261.7
125°	1128.7	1140.9
127.5°	1001.2	1007.8
130°	848.3	854.2
132.5°	724.3	730.7
135°	604.8	609.1
137.5°	506.6	509.7
140°	424.4	426.2
142.5°	350.8	351.6
145°	289.2	288.6
147.5°	236.2	234.4
150°	196.0	193.6
152.5°	159.2	156.3
155°	137.8	135.0
157.5°	127.1	125.2
160°	118.3	117.2
162.5°	114.9	114.5
165°	99.7	99.4
167.5°	77.7	77.2
170°	59.2	58.6
172.5°	43.1	42.6
175°	26.9	26.6
177.5°	11.7	11.5
180°	0.0	0.0

(END OF REPORT)