

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: P231977

Luminaire Tested: **FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

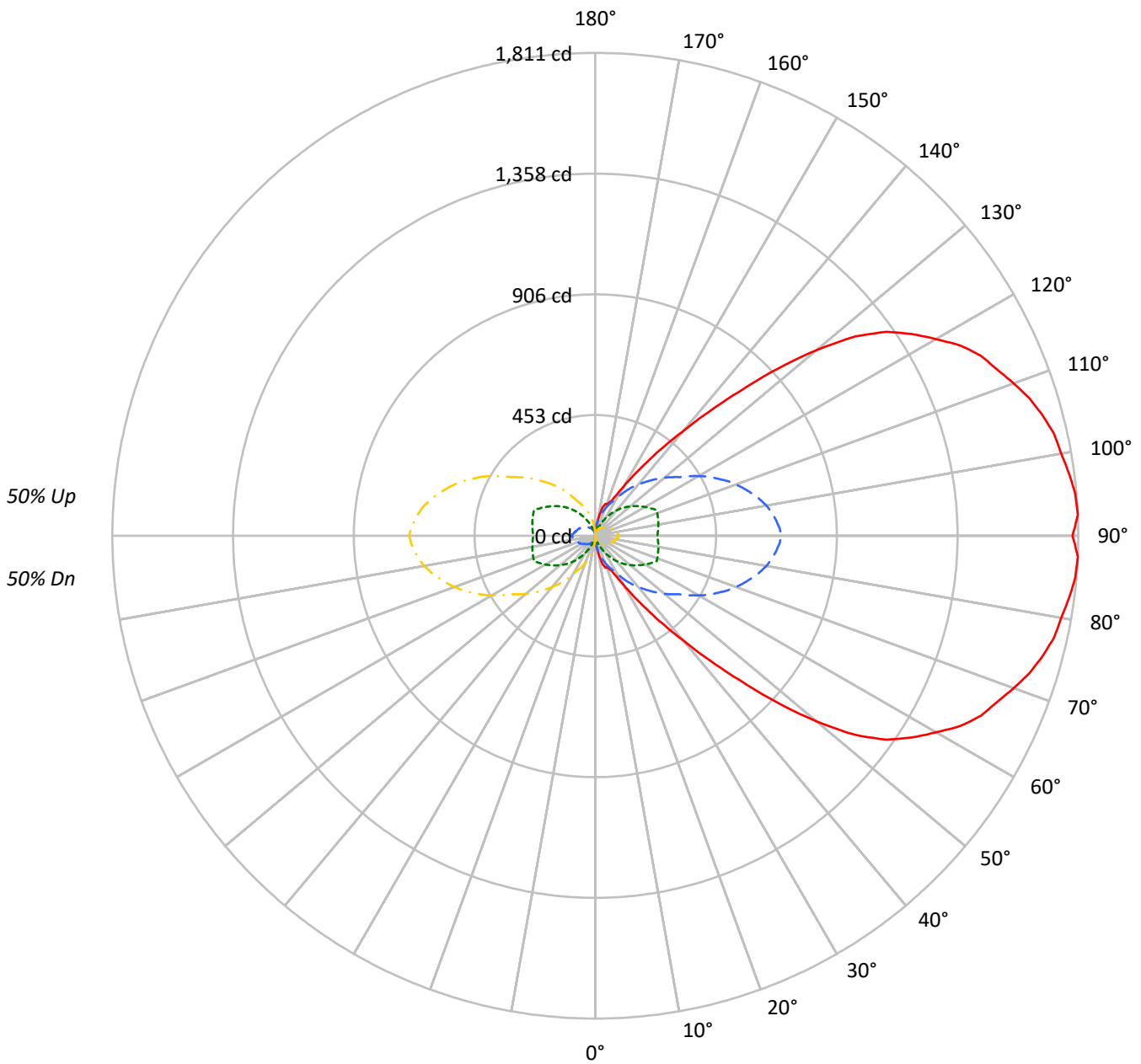
Lumens per Lamp: N/A
Luminaire Lumens: 4222.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 24.27 / 15.48 / 16.37
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15	15	15	15
5°	377	137	0	137
10°	781	259	0	259
15°	1222	386	0	386
20°	1259	521	0	521
25°	1364	800	0	800
30°	1905	1243	0	1243
35°	2868	1737	9	1737
40°	4210	2296	8	2296
45°	6157	2947	8	2947
50°	8554	3672	8	3672
55°	10413	4570	8	4570
60°	11489	5716	8	5716
65°	12502	7246	8	7246
70°	13250	8923	8	8923
75°	14077	10894	8	10894
80°	14797	14248	0	14248
85°	15649	21119	0	21119



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.0
10°-20°	13.5	0.3
20°-30°	35.8	0.8
30°-40°	83.1	2.0
40°-50°	166.4	3.9
50°-60°	296.7	7.0
60°-70°	428.6	10.2
70°-80°	519.4	12.3
80°-90°	565.7	13.4
90°-100°	565.7	13.4
100°-110°	519.4	12.3
110°-120°	428.6	10.2
120°-130°	296.7	7.0
130°-140°	166.4	3.9
140°-150°	83.1	2.0
150°-160°	35.8	0.8
160°-170°	13.5	0.3
170°-180°	1.8	0.0
0°-30°	51.1	1.2
0°-40°	134.2	3.2
0°-60°	597.3	14.1
0°-90°	2111.0	50.0
90°-120°	1513.7	35.9
90°-150°	2059.9	48.8
90°-180°	2111.0	50.0
0°-180°	4222.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	28	9	0	9	28	4
15°	113	25	0	25	113	31
25°	145	50	0	50	145	73
35°	336	99	1	99	336	222
45°	767	149	1	149	767	611
55°	1334	194	1	194	1334	1180
65°	1596	238	1	238	1596	1575
75°	1738	244	1	244	1738	1833
85°	1806	236	0	236	1806	1468
90°	1790	232	0	232	1790	987
95°	1806	236	0	236	1806	1468
105°	1738	244	1	244	1738	1833
115°	1596	238	1	238	1596	1575
125°	1334	194	1	194	1334	1180
135°	767	149	1	149	767	611
145°	336	99	1	99	336	222
155°	145	50	0	50	145	73
165°	113	25	0	25	113	31
175°	28	9	0	9	28	4
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	12.7	12.9	13.0	13.2	13.4	13.5	13.7	13.3	13.3	13.3	13.3
5°	28.4	28.7	29.1	29.4	29.7	29.3	29.3	29.3	29.1	28.9	28.7
7.5°	50.0	50.4	50.8	51.2	50.6	50.4	50.1	49.8	49.3	48.7	48.0
10°	65.7	66.2	66.7	67.2	66.7	66.7	66.5	66.2	65.8	65.3	64.7
12.5°	90.2	90.5	90.9	90.2	89.7	89.1	88.3	87.2	86.0	84.7	83.2
15°	112.8	112.9	113.1	112.1	111.4	110.4	109.3	107.9	106.3	104.6	102.7
17.5°	125.5	125.9	126.3	125.8	125.5	125.0	124.3	123.4	122.2	120.9	119.2
20°	125.5	126.8	128.2	129.3	130.4	131.3	131.9	132.3	132.4	132.2	131.6
22.5°	134.3	136.6	138.9	140.3	141.7	142.9	143.6	143.9	143.8	143.2	142.1
25°	145.1	148.5	151.4	154.1	156.3	158.2	159.5	160.4	160.6	160.2	159.2
27.5°	173.6	177.2	179.5	181.4	182.8	183.5	183.7	183.2	182.2	180.7	179.3
30°	213.8	216.9	218.1	218.9	218.9	218.0	216.4	214.2	211.3	207.9	205.4
32.5°	270.6	272.6	271.6	270.1	267.3	263.4	258.6	252.9	246.5	240.5	235.7
35°	336.3	336.8	333.6	329.6	324.1	317.2	309.2	300.1	290.1	281.0	271.8
37.5°	418.7	417.1	410.3	402.6	392.8	381.2	368.1	353.6	338.6	325.8	312.5
40°	510.9	507.2	497.1	485.8	471.8	455.5	437.1	416.8	396.7	377.4	357.5
42.5°	630.5	623.7	607.9	590.4	569.3	545.0	518.0	488.6	462.5	436.1	408.6
45°	766.8	756.7	735.2	711.6	683.5	651.2	615.4	580.9	541.3	504.0	467.4
47.5°	928.6	913.6	884.1	852.1	814.5	772.2	725.7	678.3	631.5	583.0	540.7
50°	1084.5	1068.8	1036.9	1001.2	957.8	906.9	848.9	790.2	731.0	674.1	622.5
52.5°	1226.7	1217.8	1190.9	1157.9	1113.5	1057.0	988.0	918.2	844.7	774.2	710.3
55°	1333.5	1332.4	1316.0	1293.5	1260.3	1215.5	1155.6	1070.5	973.9	887.1	803.6
57.5°	1408.1	1410.3	1401.4	1388.9	1369.6	1343.3	1298.1	1210.3	1120.7	1007.8	904.3
60°	1474.7	1476.4	1468.3	1458.1	1443.7	1425.4	1382.3	1312.6	1223.3	1118.4	1008.9
62.5°	1544.4	1540.4	1531.4	1518.3	1502.1	1483.6	1444.6	1386.1	1304.5	1208.6	1095.7
65°	1596.3	1589.8	1579.4	1566.0	1550.5	1535.0	1506.7	1462.0	1383.4	1283.1	1169.0
67.5°	1629.7	1628.2	1621.6	1608.7	1589.2	1575.5	1561.4	1530.2	1471.7	1368.5	1242.5
70°	1669.9	1665.3	1657.1	1646.5	1634.9	1616.1	1596.8	1578.4	1544.3	1456.5	1321.0
72.5°	1708.1	1702.1	1691.4	1676.6	1662.3	1646.5	1628.8	1609.2	1579.8	1505.7	1385.7
75°	1737.5	1730.7	1719.8	1704.2	1685.7	1668.2	1650.9	1634.3	1610.8	1544.8	1429.0
77.5°	1762.0	1755.2	1743.6	1722.8	1701.6	1682.2	1671.8	1657.9	1635.1	1585.2	1470.0
80°	1773.8	1774.9	1763.1	1735.8	1711.4	1698.8	1685.0	1679.6	1659.6	1623.0	1505.0
82.5°	1791.4	1788.7	1772.5	1750.5	1731.5	1717.0	1698.2	1689.1	1674.8	1636.5	1538.3
85°	1806.2	1789.6	1766.7	1762.3	1749.2	1733.9	1710.6	1693.3	1681.3	1645.2	1561.5
87.5°	1811.1	1781.6	1783.4	1769.6	1747.9	1736.5	1715.2	1697.9	1685.9	1651.4	1572.1
90°	1789.5	1782.6	1783.6	1763.0	1735.6	1733.6	1715.0	1702.2	1687.5	1652.2	1567.9
92.5°	1811.1	1781.6	1783.4	1769.6	1747.9	1736.5	1715.2	1697.9	1685.9	1651.4	1572.1
95°	1806.2	1789.6	1766.7	1762.3	1749.2	1733.9	1710.6	1693.3	1681.3	1645.2	1561.5
97.5°	1791.4	1788.7	1772.5	1750.5	1731.5	1717.0	1698.2	1689.1	1674.8	1636.5	1538.3
100°	1773.8	1774.9	1763.1	1735.8	1711.4	1698.8	1685.0	1679.6	1659.6	1623.0	1505.0
102.5°	1762.0	1755.2	1743.6	1722.8	1701.6	1682.2	1671.8	1657.9	1635.1	1585.2	1470.0
105°	1737.5	1730.7	1719.8	1704.2	1685.7	1668.2	1650.9	1634.3	1610.8	1544.8	1429.0
107.5°	1708.1	1702.1	1691.4	1676.6	1662.3	1646.5	1628.8	1609.2	1579.8	1505.7	1385.7
110°	1669.9	1665.3	1657.1	1646.5	1634.9	1616.1	1596.8	1578.4	1544.3	1456.5	1321.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1629.7	1628.2	1621.6	1608.7	1589.2	1575.5	1561.4	1530.2	1471.7	1368.5	1242.5
115°	1596.3	1589.8	1579.4	1566.0	1550.5	1535.0	1506.7	1462.0	1383.4	1283.1	1169.0
117.5°	1544.4	1540.4	1531.4	1518.3	1502.1	1483.6	1444.6	1386.1	1304.5	1208.6	1095.7
120°	1474.7	1476.4	1468.3	1458.1	1443.7	1425.4	1382.3	1312.6	1223.3	1118.4	1008.9
122.5°	1408.1	1410.3	1401.4	1388.9	1369.6	1343.3	1298.1	1210.3	1120.7	1007.8	904.3
125°	1333.5	1332.4	1316.0	1293.5	1260.3	1215.5	1155.6	1070.5	973.9	887.1	803.6
127.5°	1226.7	1217.8	1190.9	1157.9	1113.5	1057.0	988.0	918.2	844.7	774.2	710.3
130°	1084.5	1068.8	1036.9	1001.2	957.8	906.9	848.9	790.2	731.0	674.1	622.5
132.5°	928.6	913.6	884.1	852.1	814.5	772.2	725.7	678.3	631.5	583.0	540.7
135°	766.8	756.7	735.2	711.6	683.5	651.2	615.4	580.9	541.3	504.0	467.4
137.5°	630.5	623.7	607.9	590.4	569.3	545.0	518.0	488.6	462.5	436.1	408.6
140°	510.9	507.2	497.1	485.8	471.8	455.5	437.1	416.8	396.7	377.4	357.5
142.5°	418.7	417.1	410.3	402.6	392.8	381.2	368.1	353.6	338.6	325.8	312.5
145°	336.3	336.8	333.6	329.6	324.1	317.2	309.2	300.1	290.1	281.0	271.8
147.5°	270.6	272.6	271.6	270.1	267.3	263.4	258.6	252.9	246.5	240.5	235.7
150°	213.8	216.9	218.1	218.9	218.9	218.0	216.4	214.2	211.3	207.9	205.4
152.5°	173.6	177.2	179.5	181.4	182.8	183.5	183.7	183.2	182.2	180.7	179.3
155°	145.1	148.5	151.4	154.1	156.3	158.2	159.5	160.4	160.6	160.2	159.2
157.5°	134.3	136.6	138.9	140.3	141.7	142.9	143.6	143.9	143.8	143.2	142.1
160°	125.5	126.8	128.2	129.3	130.4	131.3	131.9	132.3	132.4	132.2	131.6
162.5°	125.5	125.9	126.3	125.8	125.5	125.0	124.3	123.4	122.2	120.9	119.2
165°	112.8	112.9	113.1	112.1	111.4	110.4	109.3	107.9	106.3	104.6	102.7
167.5°	90.2	90.5	90.9	90.2	89.7	89.1	88.3	87.2	86.0	84.7	83.2
170°	65.7	66.2	66.7	67.2	66.7	66.7	66.5	66.2	65.8	65.3	64.7
172.5°	50.0	50.4	50.8	51.2	50.6	50.4	50.1	49.8	49.3	48.7	48.0
175°	28.4	28.7	29.1	29.4	29.7	29.3	29.3	29.3	29.1	28.9	28.7
177.5°	12.7	12.9	13.0	13.2	13.4	13.5	13.7	13.3	13.3	13.3	13.3
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	13.2	13.1	13.0	12.8	12.7	12.5	12.3	12.1	11.8	11.6	11.3
5°	28.4	28.0	27.6	27.1	26.6	26.0	25.4	24.7	23.9	23.1	22.3
7.5°	47.2	46.2	45.2	44.1	43.0	41.7	40.3	38.9	37.3	36.0	34.8
10°	63.9	63.0	62.1	61.0	59.8	58.5	56.9	55.0	52.9	50.8	48.6
12.5°	81.5	79.7	77.7	75.7	73.7	72.1	70.3	68.5	66.5	64.4	62.2
15°	100.6	98.4	96.0	93.5	90.7	87.9	85.0	82.0	78.9	76.3	73.6
17.5°	117.4	115.3	112.6	109.5	106.4	103.1	99.7	96.3	92.7	89.0	85.4
20°	130.7	128.8	126.2	123.4	120.3	116.9	113.1	109.1	105.1	101.0	96.9
22.5°	140.8	139.8	138.2	136.0	133.3	129.6	125.5	121.1	116.5	111.9	107.3
25°	157.9	155.8	153.1	149.7	146.4	142.8	138.5	133.5	128.2	122.5	117.2
27.5°	177.9	175.7	172.7	168.9	164.5	159.3	154.2	147.8	141.3	134.2	127.5
30°	202.4	198.9	195.4	190.8	185.8	179.8	173.1	165.5	158.1	151.7	145.0
32.5°	230.5	224.8	219.8	214.8	209.3	202.8	195.2	187.2	179.3	171.1	163.6
35°	262.2	253.3	246.5	239.4	232.5	225.5	218.0	209.3	200.2	191.2	182.1
37.5°	298.7	286.9	275.6	265.8	256.5	247.7	239.2	230.5	221.0	210.8	200.9
40°	338.5	322.9	308.3	295.3	282.7	271.1	261.0	250.8	240.9	230.3	219.2
42.5°	384.9	364.1	344.1	327.7	312.4	297.3	283.2	271.8	260.2	249.1	237.5
45°	439.1	410.0	385.4	361.9	342.2	324.2	308.3	292.8	280.1	267.3	255.1
47.5°	500.6	462.1	430.1	399.8	374.7	352.2	333.2	316.1	299.9	285.9	272.3
50°	569.8	523.0	478.0	441.8	409.4	381.7	358.1	338.5	320.9	304.4	289.3
52.5°	646.7	588.8	534.0	486.0	445.9	412.2	384.0	360.7	341.9	323.1	310.4
55°	728.6	657.5	594.2	534.6	484.4	443.6	409.3	383.2	365.2	349.3	336.4
57.5°	814.2	729.9	654.5	587.2	526.1	475.6	442.6	415.6	392.3	374.3	360.2
60°	900.0	804.2	716.0	637.7	574.4	520.7	477.6	447.8	421.7	399.8	382.9
62.5°	982.6	873.9	779.4	697.2	624.5	562.7	514.6	479.0	451.3	424.5	404.6
65°	1049.9	944.1	843.6	752.8	674.0	605.7	549.1	506.4	479.7	451.1	427.9
67.5°	1121.4	1010.3	904.1	805.5	718.2	643.0	582.0	535.9	504.9	477.7	450.3
70°	1190.2	1068.6	960.0	850.9	759.2	680.2	613.8	562.2	526.9	503.4	471.9
72.5°	1247.4	1119.5	1001.7	892.3	793.8	711.0	640.4	585.9	546.8	526.1	493.3
75°	1292.4	1161.1	1037.4	925.0	820.2	736.6	665.4	608.9	568.9	542.6	510.2
77.5°	1320.1	1190.4	1065.2	953.7	849.6	762.3	690.1	631.8	589.2	559.2	526.8
80°	1351.6	1218.8	1097.3	980.9	874.4	782.6	709.8	651.0	607.4	575.7	543.0
82.5°	1383.0	1243.0	1121.0	1000.8	892.7	797.4	725.0	666.8	623.6	591.8	558.4
85°	1398.3	1257.5	1136.2	1013.3	904.5	807.2	736.1	679.6	638.2	607.3	572.7
87.5°	1398.9	1266.9	1146.9	1021.9	912.9	814.3	745.0	690.7	651.7	622.6	586.7
90°	1386.5	1258.0	1140.4	1016.8	909.9	813.8	748.2	698.1	662.8	635.4	597.1
92.5°	1398.9	1266.9	1146.9	1021.9	912.9	814.3	745.0	690.7	651.7	622.6	586.7
95°	1398.3	1257.5	1136.2	1013.3	904.5	807.2	736.1	679.6	638.2	607.3	572.7
97.5°	1383.0	1243.0	1121.0	1000.8	892.7	797.4	725.0	666.8	623.6	591.8	558.4
100°	1351.6	1218.8	1097.3	980.9	874.4	782.6	709.8	651.0	607.4	575.7	543.0
102.5°	1320.1	1190.4	1065.2	953.7	849.6	762.3	690.1	631.8	589.2	559.2	526.8
105°	1292.4	1161.1	1037.4	925.0	820.2	736.6	665.4	608.9	568.9	542.6	510.2
107.5°	1247.4	1119.5	1001.7	892.3	793.8	711.0	640.4	585.9	546.8	526.1	493.3
110°	1190.2	1068.6	960.0	850.9	759.2	680.2	613.8	562.2	526.9	503.4	471.9



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1121.4	1010.3	904.1	805.5	718.2	643.0	582.0	535.9	504.9	477.7	450.3
115°	1049.9	944.1	843.6	752.8	674.0	605.7	549.1	506.4	479.7	451.1	427.9
117.5°	982.6	873.9	779.4	697.2	624.5	562.7	514.6	479.0	451.3	424.5	404.6
120°	900.0	804.2	716.0	637.7	574.4	520.7	477.6	447.8	421.7	399.8	382.9
122.5°	814.2	729.9	654.5	587.2	526.1	475.6	442.6	415.6	392.3	374.3	360.2
125°	728.6	657.5	594.2	534.6	484.4	443.6	409.3	383.2	365.2	349.3	336.4
127.5°	646.7	588.8	534.0	486.0	445.9	412.2	384.0	360.7	341.9	323.1	310.4
130°	569.8	523.0	478.0	441.8	409.4	381.7	358.1	338.5	320.9	304.4	289.3
132.5°	500.6	462.1	430.1	399.8	374.7	352.2	333.2	316.1	299.9	285.9	272.3
135°	439.1	410.0	385.4	361.9	342.2	324.2	308.3	292.8	280.1	267.3	255.1
137.5°	384.9	364.1	344.1	327.7	312.4	297.3	283.2	271.8	260.2	249.1	237.5
140°	338.5	322.9	308.3	295.3	282.7	271.1	261.0	250.8	240.9	230.3	219.2
142.5°	298.7	286.9	275.6	265.8	256.5	247.7	239.2	230.5	221.0	210.8	200.9
145°	262.2	253.3	246.5	239.4	232.5	225.5	218.0	209.3	200.2	191.2	182.1
147.5°	230.5	224.8	219.8	214.8	209.3	202.8	195.2	187.2	179.3	171.1	163.6
150°	202.4	198.9	195.4	190.8	185.8	179.8	173.1	165.5	158.1	151.7	145.0
152.5°	177.9	175.7	172.7	168.9	164.5	159.3	154.2	147.8	141.3	134.2	127.5
155°	157.9	155.8	153.1	149.7	146.4	142.8	138.5	133.5	128.2	122.5	117.2
157.5°	140.8	139.8	138.2	136.0	133.3	129.6	125.5	121.1	116.5	111.9	107.3
160°	130.7	128.8	126.2	123.4	120.3	116.9	113.1	109.1	105.1	101.0	96.9
162.5°	117.4	115.3	112.6	109.5	106.4	103.1	99.7	96.3	92.7	89.0	85.4
165°	100.6	98.4	96.0	93.5	90.7	87.9	85.0	82.0	78.9	76.3	73.6
167.5°	81.5	79.7	77.7	75.7	73.7	72.1	70.3	68.5	66.5	64.4	62.2
170°	63.9	63.0	62.1	61.0	59.8	58.5	56.9	55.0	52.9	50.8	48.6
172.5°	47.2	46.2	45.2	44.1	43.0	41.7	40.3	38.9	37.3	36.0	34.8
175°	28.4	28.0	27.6	27.1	26.6	26.0	25.4	24.7	23.9	23.1	22.3
177.5°	13.2	13.1	13.0	12.8	12.7	12.5	12.3	12.1	11.8	11.6	11.3
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	11.0	10.6	10.3	9.9	9.6	9.2	8.8	8.3	7.9	7.4	7.0
5°	21.4	20.5	19.5	18.8	18.0	17.2	16.4	15.6	14.7	13.8	12.9
7.5°	33.4	32.0	30.6	29.0	27.5	25.8	24.1	22.8	21.5	20.2	18.8
10°	46.3	44.0	41.7	39.5	37.4	35.3	33.0	30.7	28.3	26.5	24.7
12.5°	59.5	56.6	53.6	50.6	47.5	44.6	41.8	38.9	36.0	33.0	30.5
15°	70.9	68.0	65.4	61.4	57.9	54.2	50.5	47.1	43.6	40.0	36.4
17.5°	82.1	78.4	74.9	71.3	67.5	63.5	59.3	55.2	51.1	46.9	42.7
20°	92.8	88.7	84.6	80.5	76.3	72.0	67.6	63.0	58.5	53.8	49.0
22.5°	102.7	98.3	93.9	89.6	84.9	80.1	75.2	70.4	65.6	60.6	55.3
25°	111.7	106.8	102.0	97.5	94.4	90.6	86.4	82.1	77.8	73.3	68.2
27.5°	122.5	118.6	115.3	112.0	108.7	105.4	101.1	96.6	92.0	87.2	82.0
30°	139.4	134.1	129.6	126.2	122.6	119.2	115.4	110.8	106.3	100.9	95.7
32.5°	156.2	149.9	144.3	139.7	136.1	132.5	128.8	124.6	119.7	114.5	108.9
35°	173.7	165.6	159.0	153.2	149.1	145.4	141.8	138.2	133.1	127.9	122.1
37.5°	191.0	182.0	173.4	167.1	161.7	157.9	154.3	150.5	146.1	141.2	135.2
40°	208.5	198.0	188.7	180.1	174.3	169.8	166.4	162.7	158.7	153.9	148.1
42.5°	225.5	214.3	203.4	194.1	186.7	181.1	178.0	174.6	170.9	166.4	160.9
45°	242.5	229.8	218.4	207.9	198.5	193.0	189.1	186.2	182.7	178.6	173.6
47.5°	258.9	245.6	232.9	221.8	211.3	206.1	204.9	205.1	204.9	203.3	198.9
50°	275.0	261.7	252.9	246.0	240.3	235.8	233.6	233.0	233.5	233.2	227.5
52.5°	299.8	291.1	283.2	276.5	270.8	266.0	263.0	261.2	261.3	263.7	256.2
55°	326.1	318.4	311.7	305.6	300.7	296.4	292.5	289.4	288.4	293.1	285.2
57.5°	350.1	343.5	338.8	333.6	329.8	326.1	322.1	317.9	315.3	321.5	314.5
60°	371.5	366.6	363.4	360.4	357.7	355.3	351.9	346.6	343.3	349.4	344.1
62.5°	392.7	387.9	386.6	385.8	384.7	383.8	381.4	375.7	371.3	376.9	373.9
65°	413.0	407.3	408.2	410.0	410.8	411.6	410.3	404.9	399.4	404.0	404.0
67.5°	431.8	424.8	428.3	432.8	435.9	438.5	438.8	434.1	427.6	430.8	434.1
70°	450.0	442.6	447.2	453.4	456.3	457.8	457.0	452.1	445.2	444.2	442.3
72.5°	467.0	454.6	454.7	459.4	463.2	465.2	465.2	462.6	458.3	455.8	447.9
75°	479.6	463.7	461.3	465.5	469.9	472.5	473.2	472.3	470.9	468.6	453.9
77.5°	491.5	472.7	468.1	471.7	476.6	479.9	481.0	481.5	483.2	482.3	460.3
80°	502.7	481.4	475.2	478.0	483.2	487.2	488.7	490.3	495.2	496.7	466.9
82.5°	513.0	489.9	482.5	484.3	489.8	494.6	496.2	498.7	507.0	511.5	475.7
85°	522.6	498.1	489.9	490.8	496.4	501.9	503.6	506.7	518.5	527.4	480.9
87.5°	531.7	506.2	497.4	497.2	503.0	509.3	511.2	515.1	530.4	541.7	486.1
90°	539.3	513.8	505.0	504.0	509.9	516.7	518.7	523.6	542.2	556.0	491.3
92.5°	531.7	506.2	497.4	497.2	503.0	509.3	511.2	515.1	530.4	541.7	486.1
95°	522.6	498.1	489.9	490.8	496.4	501.9	503.6	506.7	518.5	527.4	480.9
97.5°	513.0	489.9	482.5	484.3	489.8	494.6	496.2	498.7	507.0	511.5	475.7
100°	502.7	481.4	475.2	478.0	483.2	487.2	488.7	490.3	495.2	496.7	466.9
102.5°	491.5	472.7	468.1	471.7	476.6	479.9	481.0	481.5	483.2	482.3	460.3
105°	479.6	463.7	461.3	465.5	469.9	472.5	473.2	472.3	470.9	468.6	453.9
107.5°	467.0	454.6	454.7	459.4	463.2	465.2	465.2	462.6	458.3	455.8	447.9
110°	450.0	442.6	447.2	453.4	456.3	457.8	457.0	452.1	445.2	444.2	442.3



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	431.8	424.8	428.3	432.8	435.9	438.5	438.8	434.1	427.6	430.8	434.1
115°	413.0	407.3	408.2	410.0	410.8	411.6	410.3	404.9	399.4	404.0	404.0
117.5°	392.7	387.9	386.6	385.8	384.7	383.8	381.4	375.7	371.3	376.9	373.9
120°	371.5	366.6	363.4	360.4	357.7	355.3	351.9	346.6	343.3	349.4	344.1
122.5°	350.1	343.5	338.8	333.6	329.8	326.1	322.1	317.9	315.3	321.5	314.5
125°	326.1	318.4	311.7	305.6	300.7	296.4	292.5	289.4	288.4	293.1	285.2
127.5°	299.8	291.1	283.2	276.5	270.8	266.0	263.0	261.2	261.3	263.7	256.2
130°	275.0	261.7	252.9	246.0	240.3	235.8	233.6	233.0	233.5	233.2	227.5
132.5°	258.9	245.6	232.9	221.8	211.3	206.1	204.9	205.1	204.9	203.3	198.9
135°	242.5	229.8	218.4	207.9	198.5	193.0	189.1	186.2	182.7	178.6	173.6
137.5°	225.5	214.3	203.4	194.1	186.7	181.1	178.0	174.6	170.9	166.4	160.9
140°	208.5	198.0	188.7	180.1	174.3	169.8	166.4	162.7	158.7	153.9	148.1
142.5°	191.0	182.0	173.4	167.1	161.7	157.9	154.3	150.5	146.1	141.2	135.2
145°	173.7	165.6	159.0	153.2	149.1	145.4	141.8	138.2	133.1	127.9	122.1
147.5°	156.2	149.9	144.3	139.7	136.1	132.5	128.8	124.6	119.7	114.5	108.9
150°	139.4	134.1	129.6	126.2	122.6	119.2	115.4	110.8	106.3	100.9	95.7
152.5°	122.5	118.6	115.3	112.0	108.7	105.4	101.1	96.6	92.0	87.2	82.0
155°	111.7	106.8	102.0	97.5	94.4	90.6	86.4	82.1	77.8	73.3	68.2
157.5°	102.7	98.3	93.9	89.6	84.9	80.1	75.2	70.4	65.6	60.6	55.3
160°	92.8	88.7	84.6	80.5	76.3	72.0	67.6	63.0	58.5	53.8	49.0
162.5°	82.1	78.4	74.9	71.3	67.5	63.5	59.3	55.2	51.1	46.9	42.7
165°	70.9	68.0	65.4	61.4	57.9	54.2	50.5	47.1	43.6	40.0	36.4
167.5°	59.5	56.6	53.6	50.6	47.5	44.6	41.8	38.9	36.0	33.0	30.5
170°	46.3	44.0	41.7	39.5	37.4	35.3	33.0	30.7	28.3	26.5	24.7
172.5°	33.4	32.0	30.6	29.0	27.5	25.8	24.1	22.8	21.5	20.2	18.8
175°	21.4	20.5	19.5	18.8	18.0	17.2	16.4	15.6	14.7	13.8	12.9
177.5°	11.0	10.6	10.3	9.9	9.6	9.2	8.8	8.3	7.9	7.4	7.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	6.5	6.0	5.5	5.0	5.0	4.9	4.9	4.8	4.7	4.6	4.5
5°	12.0	11.0	10.1	9.1	9.0	8.8	8.7	8.5	8.4	8.2	8.0
7.5°	17.4	16.0	14.6	13.1	12.9	12.7	12.5	12.2	12.0	11.7	11.4
10°	22.8	21.0	19.1	17.1	16.9	16.6	16.2	15.9	15.5	15.2	15.1
12.5°	28.2	25.9	23.6	21.2	20.8	20.4	20.0	19.5	19.2	19.1	19.0
15°	33.6	30.8	28.0	25.2	24.7	24.3	23.7	23.2	23.2	23.1	23.0
17.5°	38.8	35.7	32.5	29.2	28.7	28.1	27.4	27.2	27.2	27.2	27.0
20°	44.2	40.5	36.9	33.3	32.6	31.9	31.1	31.3	31.3	31.3	30.9
22.5°	49.9	45.4	41.4	37.3	36.5	35.6	35.2	35.3	35.4	35.2	34.8
25°	62.8	57.9	53.9	49.7	49.1	48.3	48.0	47.8	47.2	45.7	44.0
27.5°	76.2	70.6	66.5	62.1	61.9	61.4	61.6	61.7	60.4	58.4	56.0
30°	89.5	83.2	79.0	74.5	74.7	74.7	75.3	75.7	73.4	70.8	67.0
32.5°	102.7	96.0	91.4	86.9	87.6	88.2	89.2	89.0	86.0	82.2	77.2
35°	115.7	108.8	103.8	99.4	100.6	101.7	103.2	102.0	98.4	92.8	86.5
37.5°	128.7	121.5	116.2	111.8	113.6	115.4	117.2	114.8	110.7	102.6	94.5
40°	141.6	134.2	128.5	124.2	126.7	129.1	131.4	127.4	121.1	111.8	101.6
42.5°	154.3	146.8	140.8	136.6	139.8	142.9	145.6	139.8	131.3	120.8	107.9
45°	166.8	159.3	153.0	149.0	153.0	156.7	158.5	152.1	141.0	127.8	113.4
47.5°	189.6	178.4	167.9	160.1	160.6	161.9	161.3	154.6	142.8	129.6	115.8
50°	214.3	198.5	183.1	171.2	167.8	166.3	162.7	154.4	141.9	128.3	115.3
52.5°	239.8	219.2	198.5	182.4	174.8	170.2	164.0	154.0	141.2	127.5	115.5
55°	266.1	240.4	214.2	193.5	181.5	173.9	165.1	153.7	140.6	127.1	116.3
57.5°	293.0	262.1	230.1	204.6	187.9	177.2	166.1	153.5	140.3	127.3	117.6
60°	320.5	284.2	246.2	215.7	194.2	180.2	167.0	153.5	140.4	128.5	119.9
62.5°	348.5	306.7	262.4	226.9	200.2	183.0	167.7	153.7	140.8	130.0	123.5
65°	376.9	329.4	278.7	238.0	206.1	185.6	168.4	153.9	141.5	132.0	127.7
67.5°	405.6	352.4	295.2	249.1	211.9	188.0	169.1	154.3	142.4	134.3	132.4
70°	408.3	352.5	294.3	247.2	210.4	186.4	167.5	153.0	141.5	134.3	134.0
72.5°	408.7	351.5	293.3	245.4	208.9	184.9	165.8	151.4	140.3	133.4	133.4
75°	409.0	350.2	293.9	243.5	207.5	183.4	164.2	150.0	139.2	132.5	132.6
77.5°	408.9	348.7	292.1	241.7	206.3	182.0	162.7	148.8	138.3	131.7	131.6
80°	408.6	348.7	290.4	239.8	205.1	180.7	161.3	147.6	137.4	130.9	130.5
82.5°	409.6	345.8	288.6	238.0	203.9	179.5	160.0	146.6	136.7	130.2	129.3
85°	407.7	343.0	286.9	236.1	202.9	178.4	158.9	145.6	136.2	129.6	128.1
87.5°	405.9	340.1	285.1	234.3	201.9	177.4	157.8	144.8	135.7	129.0	126.8
90°	404.0	337.3	283.4	232.4	201.0	176.5	156.9	144.1	135.3	128.5	125.5
92.5°	405.9	340.1	285.1	234.3	201.9	177.4	157.8	144.8	135.7	129.0	126.8
95°	407.7	343.0	286.9	236.1	202.9	178.4	158.9	145.6	136.2	129.6	128.1
97.5°	409.6	345.8	288.6	238.0	203.9	179.5	160.0	146.6	136.7	130.2	129.3
100°	408.6	348.7	290.4	239.8	205.1	180.7	161.3	147.6	137.4	130.9	130.5
102.5°	408.9	348.7	292.1	241.7	206.3	182.0	162.7	148.8	138.3	131.7	131.6
105°	409.0	350.2	293.9	243.5	207.5	183.4	164.2	150.0	139.2	132.5	132.6
107.5°	408.7	351.5	293.3	245.4	208.9	184.9	165.8	151.4	140.3	133.4	133.4
110°	408.3	352.5	294.3	247.2	210.4	186.4	167.5	153.0	141.5	134.3	134.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	405.6	352.4	295.2	249.1	211.9	188.0	169.1	154.3	142.4	134.3	132.4
115°	376.9	329.4	278.7	238.0	206.1	185.6	168.4	153.9	141.5	132.0	127.7
117.5°	348.5	306.7	262.4	226.9	200.2	183.0	167.7	153.7	140.8	130.0	123.5
120°	320.5	284.2	246.2	215.7	194.2	180.2	167.0	153.5	140.4	128.5	119.9
122.5°	293.0	262.1	230.1	204.6	187.9	177.2	166.1	153.5	140.3	127.3	117.6
125°	266.1	240.4	214.2	193.5	181.5	173.9	165.1	153.7	140.6	127.1	116.3
127.5°	239.8	219.2	198.5	182.4	174.8	170.2	164.0	154.0	141.2	127.5	115.5
130°	214.3	198.5	183.1	171.2	167.8	166.3	162.7	154.4	141.9	128.3	115.3
132.5°	189.6	178.4	167.9	160.1	160.6	161.9	161.3	154.6	142.8	129.6	115.8
135°	166.8	159.3	153.0	149.0	153.0	156.7	158.5	152.1	141.0	127.8	113.4
137.5°	154.3	146.8	140.8	136.6	139.8	142.9	145.6	139.8	131.3	120.8	107.9
140°	141.6	134.2	128.5	124.2	126.7	129.1	131.4	127.4	121.1	111.8	101.6
142.5°	128.7	121.5	116.2	111.8	113.6	115.4	117.2	114.8	110.7	102.6	94.5
145°	115.7	108.8	103.8	99.4	100.6	101.7	103.2	102.0	98.4	92.8	86.5
147.5°	102.7	96.0	91.4	86.9	87.6	88.2	89.2	89.0	86.0	82.2	77.2
150°	89.5	83.2	79.0	74.5	74.7	74.7	75.3	75.7	73.4	70.8	67.0
152.5°	76.2	70.6	66.5	62.1	61.9	61.4	61.6	61.7	60.4	58.4	56.0
155°	62.8	57.9	53.9	49.7	49.1	48.3	48.0	47.8	47.2	45.7	44.0
157.5°	49.9	45.4	41.4	37.3	36.5	35.6	35.2	35.3	35.4	35.2	34.8
160°	44.2	40.5	36.9	33.3	32.6	31.9	31.1	31.3	31.3	31.3	30.9
162.5°	38.8	35.7	32.5	29.2	28.7	28.1	27.4	27.2	27.2	27.2	27.0
165°	33.6	30.8	28.0	25.2	24.7	24.3	23.7	23.2	23.2	23.1	23.0
167.5°	28.2	25.9	23.6	21.2	20.8	20.4	20.0	19.5	19.2	19.1	19.0
170°	22.8	21.0	19.1	17.1	16.9	16.6	16.2	15.9	15.5	15.2	15.1
172.5°	17.4	16.0	14.6	13.1	12.9	12.7	12.5	12.2	12.0	11.7	11.4
175°	12.0	11.0	10.1	9.1	9.0	8.8	8.7	8.5	8.4	8.2	8.0
177.5°	6.5	6.0	5.5	5.0	5.0	4.9	4.9	4.8	4.7	4.6	4.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	4.4	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.2	3.1
5°	7.8	7.5	7.3	7.1	6.8	6.6	6.5	6.3	6.1	5.8	5.6
7.5°	11.1	10.9	10.8	10.6	10.3	10.1	9.9	9.6	9.3	8.9	8.6
10°	14.9	14.7	14.5	14.3	14.0	13.6	13.3	12.8	12.4	11.9	11.5
12.5°	18.8	18.6	18.3	17.9	17.5	17.1	16.6	16.1	15.6	15.0	14.4
15°	22.8	22.4	22.0	21.6	21.1	20.5	20.0	19.4	18.7	18.0	17.2
17.5°	26.6	26.2	25.7	25.2	24.6	24.0	23.4	22.5	21.6	20.7	19.8
20°	30.5	30.0	29.5	28.9	28.2	27.4	26.4	25.4	24.4	23.3	22.3
22.5°	34.3	33.8	33.2	32.5	31.5	30.4	29.3	28.2	27.1	25.9	24.9
25°	42.0	40.1	38.0	35.8	34.6	33.4	32.2	31.0	30.0	28.9	27.8
27.5°	53.1	50.2	46.9	43.8	40.9	38.3	36.0	34.2	33.1	31.8	30.2
30°	63.2	58.8	54.5	50.6	47.0	44.0	41.5	39.1	36.7	34.5	32.6
32.5°	71.8	66.1	60.9	56.1	52.1	48.8	45.6	42.6	39.9	37.6	35.4
35°	79.3	72.3	66.3	60.8	56.5	52.5	48.7	45.4	42.7	40.0	37.2
37.5°	85.7	77.9	70.6	65.1	59.9	55.3	51.2	48.0	44.8	41.7	38.9
40°	91.3	82.5	74.8	68.4	62.7	57.5	53.7	50.0	46.4	43.4	40.8
42.5°	96.5	86.2	78.4	71.2	64.7	59.9	55.7	51.6	48.2	45.3	42.7
45°	101.0	90.2	81.2	73.4	67.0	62.0	57.4	53.4	50.1	47.3	44.6
47.5°	103.6	93.4	83.8	75.1	69.2	63.8	59.0	55.4	52.1	49.2	46.5
50°	103.9	95.2	87.2	79.6	72.9	65.9	61.1	57.3	54.1	51.3	48.4
52.5°	105.8	98.4	92.1	86.4	80.4	73.8	67.3	61.4	56.3	53.5	50.2
55°	108.6	103.2	98.5	94.2	88.6	81.9	75.0	68.6	62.9	57.4	52.3
57.5°	112.3	109.1	106.2	102.7	97.4	89.8	82.3	75.2	68.6	62.1	56.8
60°	116.9	116.0	114.7	111.6	105.8	97.5	89.1	81.2	73.5	66.5	60.6
62.5°	122.4	123.9	124.0	121.0	114.0	104.8	95.5	86.5	77.6	70.3	63.4
65°	129.0	132.5	133.9	130.8	122.1	111.8	101.4	91.2	81.7	73.6	65.7
67.5°	136.3	141.5	143.4	140.3	130.1	118.6	107.0	95.5	85.5	76.3	67.7
70°	139.8	146.9	150.7	148.2	137.7	125.1	112.1	99.5	88.9	78.7	69.5
72.5°	138.9	145.7	149.6	147.1	138.7	127.9	115.4	103.1	92.1	80.9	71.0
75°	137.6	144.5	148.9	146.8	139.8	129.6	117.4	105.6	94.3	83.2	73.0
77.5°	136.0	143.4	148.4	147.3	141.7	131.8	119.9	108.4	97.0	85.6	75.3
80°	134.2	142.1	148.1	148.2	144.2	134.5	122.9	111.7	99.9	88.3	77.7
82.5°	132.2	140.9	147.9	149.6	147.3	137.6	126.4	115.3	103.2	91.4	80.3
85°	130.1	139.5	147.7	151.3	150.6	141.0	130.3	119.3	107.0	94.8	83.2
87.5°	127.8	138.0	147.5	153.1	154.2	144.9	134.6	123.7	111.1	98.7	86.5
90°	125.5	136.3	147.1	154.9	157.9	149.0	139.2	128.5	115.7	103.0	90.2
92.5°	127.8	138.0	147.5	153.1	154.2	144.9	134.6	123.7	111.1	98.7	86.5
95°	130.1	139.5	147.7	151.3	150.6	141.0	130.3	119.3	107.0	94.8	83.2
97.5°	132.2	140.9	147.9	149.6	147.3	137.6	126.4	115.3	103.2	91.4	80.3
100°	134.2	142.1	148.1	148.2	144.2	134.5	122.9	111.7	99.9	88.3	77.7
102.5°	136.0	143.4	148.4	147.3	141.7	131.8	119.9	108.4	97.0	85.6	75.3
105°	137.6	144.5	148.9	146.8	139.8	129.6	117.4	105.6	94.3	83.2	73.0
107.5°	138.9	145.7	149.6	147.1	138.7	127.9	115.4	103.1	92.1	80.9	71.0
110°	139.8	146.9	150.7	148.2	137.7	125.1	112.1	99.5	88.9	78.7	69.5



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	136.3	141.5	143.4	140.3	130.1	118.6	107.0	95.5	85.5	76.3	67.7
115°	129.0	132.5	133.9	130.8	122.1	111.8	101.4	91.2	81.7	73.6	65.7
117.5°	122.4	123.9	124.0	121.0	114.0	104.8	95.5	86.5	77.6	70.3	63.4
120°	116.9	116.0	114.7	111.6	105.8	97.5	89.1	81.2	73.5	66.5	60.6
122.5°	112.3	109.1	106.2	102.7	97.4	89.8	82.3	75.2	68.6	62.1	56.8
125°	108.6	103.2	98.5	94.2	88.6	81.9	75.0	68.6	62.9	57.4	52.3
127.5°	105.8	98.4	92.1	86.4	80.4	73.8	67.3	61.4	56.3	53.5	50.2
130°	103.9	95.2	87.2	79.6	72.9	65.9	61.1	57.3	54.1	51.3	48.4
132.5°	103.6	93.4	83.8	75.1	69.2	63.8	59.0	55.4	52.1	49.2	46.5
135°	101.0	90.2	81.2	73.4	67.0	62.0	57.4	53.4	50.1	47.3	44.6
137.5°	96.5	86.2	78.4	71.2	64.7	59.9	55.7	51.6	48.2	45.3	42.7
140°	91.3	82.5	74.8	68.4	62.7	57.5	53.7	50.0	46.4	43.4	40.8
142.5°	85.7	77.9	70.6	65.1	59.9	55.3	51.2	48.0	44.8	41.7	38.9
145°	79.3	72.3	66.3	60.8	56.5	52.5	48.7	45.4	42.7	40.0	37.2
147.5°	71.8	66.1	60.9	56.1	52.1	48.8	45.6	42.6	39.9	37.6	35.4
150°	63.2	58.8	54.5	50.6	47.0	44.0	41.5	39.1	36.7	34.5	32.6
152.5°	53.1	50.2	46.9	43.8	40.9	38.3	36.0	34.2	33.1	31.8	30.2
155°	42.0	40.1	38.0	35.8	34.6	33.4	32.2	31.0	30.0	28.9	27.8
157.5°	34.3	33.8	33.2	32.5	31.5	30.4	29.3	28.2	27.1	25.9	24.9
160°	30.5	30.0	29.5	28.9	28.2	27.4	26.4	25.4	24.4	23.3	22.3
162.5°	26.6	26.2	25.7	25.2	24.6	24.0	23.4	22.5	21.6	20.7	19.8
165°	22.8	22.4	22.0	21.6	21.1	20.5	20.0	19.4	18.7	18.0	17.2
167.5°	18.8	18.6	18.3	17.9	17.5	17.1	16.6	16.1	15.6	15.0	14.4
170°	14.9	14.7	14.5	14.3	14.0	13.6	13.3	12.8	12.4	12.0	11.5
172.5°	11.1	10.9	10.8	10.6	10.3	10.1	9.9	9.6	9.3	8.9	8.6
175°	7.8	7.5	7.3	7.1	6.8	6.6	6.5	6.3	6.1	5.8	5.6
177.5°	4.4	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.2	3.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.9	2.8	2.6	2.4	2.3	2.1	1.9	1.8	1.6	1.4	1.2
5°	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.8	2.4
7.5°	8.2	7.8	7.4	7.0	6.5	6.1	5.6	5.1	4.7	4.2	3.7
10°	11.0	10.4	9.9	9.3	8.7	8.1	7.5	6.9	6.2	5.6	4.9
12.5°	13.7	13.1	12.4	11.7	10.9	10.1	9.3	8.5	7.7	6.9	6.0
15°	16.4	15.5	14.6	13.7	12.8	11.9	11.0	10.0	9.0	8.1	7.1
17.5°	18.8	17.8	16.8	15.8	14.7	13.7	12.6	11.6	10.5	9.4	8.3
20°	21.2	20.1	19.0	18.0	16.9	15.7	14.5	13.2	12.0	10.7	9.4
22.5°	23.8	22.7	21.5	20.2	18.8	17.5	16.1	14.6	13.2	11.8	10.3
25°	26.5	25.0	23.6	22.1	20.6	19.1	17.6	16.1	14.4	12.8	11.1
27.5°	28.7	27.2	25.6	24.0	22.3	20.5	18.7	16.9	15.2	13.5	11.8
30°	31.0	29.3	27.3	25.3	23.3	21.6	19.8	18.1	16.3	14.5	12.7
32.5°	33.0	30.6	28.6	26.7	24.9	23.0	21.1	19.3	17.4	15.4	13.6
35°	34.6	32.4	30.4	28.4	26.4	24.4	22.3	20.2	18.2	16.2	14.3
37.5°	36.6	34.3	32.2	30.0	27.6	25.3	23.0	21.0	19.0	17.0	14.9
40°	38.4	36.1	33.7	31.1	28.6	26.3	24.2	21.8	19.5	17.2	15.1
42.5°	40.2	37.6	35.0	32.5	30.0	27.3	24.6	22.1	20.0	17.9	15.8
45°	41.9	39.2	36.5	33.8	31.0	28.2	25.6	23.1	20.8	18.6	16.4
47.5°	43.7	40.8	37.9	35.0	32.2	29.4	26.8	24.1	21.4	18.8	16.2
50°	45.3	42.4	39.4	36.4	33.4	30.5	27.6	24.6	21.5	18.9	16.6
52.5°	47.1	44.1	40.9	37.7	34.5	31.3	28.1	25.1	22.3	19.6	17.1
55°	49.1	45.7	42.2	38.8	35.4	31.9	28.8	25.8	22.9	20.2	17.6
57.5°	51.9	47.2	43.4	39.8	36.2	32.8	29.5	26.4	23.3	20.5	17.6
60°	54.7	49.5	44.9	40.8	37.1	33.5	30.1	26.5	23.3	20.2	17.3
62.5°	56.9	51.2	46.3	41.9	37.9	34.1	30.0	26.4	23.1	19.9	17.1
65°	58.7	52.7	47.4	42.7	38.3	33.9	30.0	26.4	22.6	19.4	16.5
67.5°	60.2	53.9	48.3	43.2	38.3	33.7	29.9	25.7	22.2	18.9	15.4
70°	61.7	55.0	49.0	43.4	38.2	33.6	28.9	24.8	21.6	17.7	14.5
72.5°	63.0	56.1	49.6	43.7	38.2	33.0	27.8	24.0	20.0	16.7	13.8
75°	64.5	57.2	50.1	44.0	38.2	32.2	27.3	22.9	18.8	15.4	12.6
77.5°	66.4	58.2	50.7	44.2	38.0	31.5	26.7	22.0	17.6	14.1	11.0
80°	68.3	59.3	51.1	44.0	37.0	30.8	25.8	21.2	16.6	13.0	9.6
82.5°	70.3	60.4	51.7	43.8	36.2	29.8	24.5	19.8	15.7	12.0	8.2
85°	72.6	61.7	52.4	43.9	35.8	29.0	23.5	18.9	15.3	11.7	8.0
87.5°	75.3	63.5	53.4	44.2	35.8	28.5	22.8	18.5	15.3	12.0	8.6
90°	78.4	65.7	54.9	45.1	36.3	28.4	22.6	18.6	15.7	12.7	9.8
92.5°	75.3	63.5	53.4	44.2	35.8	28.5	22.8	18.5	15.3	12.0	8.6
95°	72.6	61.7	52.4	43.9	35.8	29.0	23.5	18.9	15.3	11.7	8.0
97.5°	70.3	60.4	51.7	43.8	36.2	29.8	24.5	19.8	15.7	12.0	8.2
100°	68.3	59.3	51.1	44.0	37.0	30.8	25.8	21.2	16.6	13.0	9.6
102.5°	66.4	58.2	50.7	44.2	38.0	31.5	26.7	22.0	17.6	14.1	11.0
105°	64.5	57.2	50.1	44.0	38.2	32.2	27.3	22.9	18.8	15.4	12.6
107.5°	63.0	56.1	49.6	43.7	38.2	33.0	27.8	24.0	20.0	16.7	13.8
110°	61.7	55.0	49.0	43.4	38.2	33.6	28.9	24.8	21.6	17.7	14.5



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	60.2	53.9	48.3	43.2	38.3	33.7	29.9	25.7	22.2	18.9	15.4
115°	58.7	52.7	47.4	42.7	38.3	33.9	30.0	26.4	22.6	19.4	16.5
117.5°	56.9	51.2	46.3	41.9	37.9	34.1	30.0	26.4	23.1	19.9	17.1
120°	54.7	49.5	44.9	40.8	37.1	33.5	30.1	26.5	23.3	20.2	17.3
122.5°	51.9	47.2	43.4	39.8	36.2	32.8	29.5	26.4	23.3	20.5	17.6
125°	49.1	45.7	42.2	38.8	35.4	31.9	28.8	25.8	22.9	20.2	17.6
127.5°	47.1	44.1	40.9	37.7	34.5	31.3	28.1	25.1	22.3	19.6	17.1
130°	45.3	42.4	39.4	36.4	33.4	30.5	27.6	24.6	21.5	18.9	16.6
132.5°	43.7	40.8	37.9	35.0	32.2	29.4	26.8	24.1	21.4	18.8	16.2
135°	41.9	39.2	36.5	33.8	31.0	28.2	25.6	23.1	20.8	18.6	16.4
137.5°	40.2	37.6	35.0	32.5	30.0	27.3	24.6	22.1	20.0	17.9	15.8
140°	38.4	36.1	33.7	31.1	28.6	26.3	24.2	21.8	19.5	17.2	15.1
142.5°	36.6	34.3	32.2	30.0	27.6	25.3	23.0	21.0	19.0	17.0	14.9
145°	34.6	32.4	30.4	28.4	26.4	24.4	22.3	20.2	18.2	16.2	14.3
147.5°	33.0	30.6	28.6	26.7	24.9	23.0	21.1	19.3	17.4	15.4	13.6
150°	31.0	29.3	27.3	25.3	23.3	21.6	19.8	18.1	16.3	14.5	12.7
152.5°	28.7	27.2	25.6	24.0	22.3	20.5	18.7	16.9	15.2	13.5	11.8
155°	26.5	25.0	23.6	22.1	20.6	19.1	17.6	16.1	14.4	12.8	11.1
157.5°	23.8	22.7	21.5	20.2	18.8	17.5	16.1	14.6	13.2	11.8	10.3
160°	21.2	20.1	19.0	18.0	16.9	15.7	14.5	13.2	12.0	10.7	9.4
162.5°	18.8	17.8	16.8	15.8	14.7	13.7	12.6	11.6	10.5	9.4	8.3
165°	16.4	15.5	14.6	13.7	12.8	11.9	11.0	10.0	9.0	8.1	7.1
167.5°	13.7	13.1	12.4	11.7	10.9	10.1	9.3	8.5	7.7	6.9	6.0
170°	11.0	10.4	9.9	9.3	8.7	8.1	7.5	6.9	6.2	5.6	4.9
172.5°	8.2	7.8	7.4	7.0	6.5	6.1	5.6	5.1	4.7	4.2	3.7
175°	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.8	2.4
177.5°	2.9	2.8	2.6	2.4	2.3	2.1	1.9	1.8	1.6	1.4	1.2
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.1	0.9	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
7.5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
10°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
12.5°	5.2	4.3	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
15°	6.1	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
17.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
20°	8.0	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
22.5°	8.9	7.4	5.9	4.5	3.0	1.5	0.0	1.5	3.0	4.5	5.9
25°	9.5	7.9	6.3	4.7	3.2	1.6	0.0	1.6	3.2	4.7	6.3
27.5°	10.2	8.5	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
30°	10.9	9.1	7.3	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.3
32.5°	11.7	9.9	8.1	6.3	4.6	2.8	1.0	2.8	4.6	6.3	8.1
35°	12.4	10.5	8.6	6.7	4.8	2.9	1.0	2.9	4.8	6.7	8.6
37.5°	12.8	10.8	8.8	6.8	4.8	2.9	1.0	2.9	4.8	6.8	8.8
40°	13.1	11.1	9.1	7.0	5.0	3.0	1.0	3.0	5.0	7.0	9.1
42.5°	13.6	11.5	9.4	7.3	5.2	3.1	1.0	3.1	5.2	7.3	9.4
45°	14.0	11.7	9.4	7.3	5.2	3.1	1.0	3.1	5.2	7.3	9.4
47.5°	13.9	11.7	9.6	7.4	5.3	3.1	1.0	3.1	5.3	7.4	9.6
50°	14.3	12.1	9.8	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.8
52.5°	14.8	12.4	10.1	7.8	5.6	3.3	1.0	3.3	5.6	7.8	10.1
55°	15.2	12.6	10.1	7.7	5.4	3.2	1.0	3.2	5.4	7.7	10.1
57.5°	14.8	12.3	10.0	7.7	5.4	3.2	1.0	3.2	5.4	7.7	10.0
60°	14.8	12.4	9.9	7.5	5.2	3.1	1.0	3.1	5.2	7.5	9.9
62.5°	14.4	11.8	9.3	7.0	4.9	2.9	1.0	2.9	4.9	7.0	9.3
65°	13.5	10.9	8.5	6.3	4.4	2.6	1.0	2.6	4.4	6.3	8.5
67.5°	12.4	9.9	7.7	5.9	4.2	2.6	1.0	2.6	4.2	5.9	7.7
70°	11.6	9.3	7.4	5.8	4.1	2.5	1.0	2.5	4.1	5.8	7.4
72.5°	11.0	8.6	6.8	5.1	3.4	2.1	1.0	2.1	3.4	5.1	6.8
75°	9.9	7.6	5.7	4.0	2.8	1.8	1.0	1.8	2.8	4.0	5.7
77.5°	8.5	6.9	4.9	3.0	1.1	0.2	0.0	0.2	1.1	3.0	4.9
80°	7.0	5.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
82.5°	5.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	5.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	7.0	5.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
102.5°	8.5	6.9	4.9	3.0	1.1	0.2	0.0	0.2	1.1	3.0	4.9
105°	9.9	7.6	5.7	4.0	2.8	1.8	1.0	1.8	2.8	4.0	5.7
107.5°	11.0	8.6	6.8	5.1	3.4	2.1	1.0	2.1	3.4	5.1	6.8
110°	11.6	9.3	7.4	5.8	4.1	2.5	1.0	2.5	4.1	5.8	7.4



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	12.4	9.9	7.7	5.9	4.2	2.6	1.0	2.6	4.2	5.9	7.7
115°	13.5	10.9	8.5	6.3	4.4	2.6	1.0	2.6	4.4	6.3	8.5
117.5°	14.4	11.8	9.3	7.0	4.9	2.9	1.0	2.9	4.9	7.0	9.3
120°	14.8	12.4	9.9	7.5	5.2	3.1	1.0	3.1	5.2	7.5	9.9
122.5°	14.8	12.3	10.0	7.7	5.4	3.2	1.0	3.2	5.4	7.7	10.0
125°	15.2	12.6	10.1	7.7	5.4	3.2	1.0	3.2	5.4	7.7	10.1
127.5°	14.8	12.4	10.1	7.8	5.6	3.3	1.0	3.3	5.6	7.8	10.1
130°	14.3	12.1	9.8	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.8
132.5°	13.9	11.7	9.6	7.4	5.3	3.1	1.0	3.1	5.3	7.4	9.6
135°	14.0	11.7	9.4	7.3	5.2	3.1	1.0	3.1	5.2	7.3	9.4
137.5°	13.6	11.5	9.4	7.3	5.2	3.1	1.0	3.1	5.2	7.3	9.4
140°	13.1	11.1	9.1	7.0	5.0	3.0	1.0	3.0	5.0	7.0	9.1
142.5°	12.8	10.8	8.8	6.8	4.8	2.9	1.0	2.9	4.8	6.8	8.8
145°	12.4	10.5	8.6	6.7	4.8	2.9	1.0	2.9	4.8	6.7	8.6
147.5°	11.7	9.9	8.1	6.3	4.6	2.8	1.0	2.8	4.6	6.3	8.1
150°	10.9	9.1	7.3	5.5	3.6	1.8	0.0	1.8	3.6	5.5	7.3
152.5°	10.2	8.5	6.8	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.8
155°	9.5	7.9	6.3	4.7	3.2	1.6	0.0	1.6	3.2	4.7	6.3
157.5°	8.9	7.4	5.9	4.5	3.0	1.5	0.0	1.5	3.0	4.5	5.9
160°	8.0	6.7	5.4	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.4
162.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
165°	6.1	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
167.5°	5.2	4.3	3.5	2.6	1.7	0.9	0.0	0.9	1.7	2.6	3.5
170°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
172.5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.1
175°	2.1	1.7	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
177.5°	1.1	0.9	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.9	1.1	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.4	2.6
5°	1.7	2.1	2.4	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9
7.5°	2.6	3.1	3.7	4.2	4.7	5.1	5.6	6.1	6.5	7.0	7.4
10°	3.5	4.2	4.9	5.6	6.2	6.9	7.5	8.1	8.7	9.3	9.9
12.5°	4.3	5.2	6.0	6.9	7.7	8.5	9.3	10.1	10.9	11.7	12.4
15°	5.1	6.1	7.1	8.1	9.0	10.0	11.0	11.9	12.8	13.7	14.6
17.5°	6.0	7.1	8.3	9.4	10.5	11.6	12.6	13.7	14.7	15.8	16.8
20°	6.7	8.0	9.4	10.7	12.0	13.2	14.5	15.7	16.9	18.0	19.0
22.5°	7.4	8.9	10.3	11.8	13.2	14.6	16.1	17.5	18.8	20.2	21.5
25°	7.9	9.5	11.1	12.8	14.4	16.1	17.6	19.1	20.6	22.1	23.6
27.5°	8.5	10.2	11.8	13.5	15.2	16.9	18.7	20.5	22.3	24.0	25.6
30°	9.1	10.9	12.7	14.5	16.3	18.1	19.8	21.6	23.3	25.3	27.3
32.5°	9.9	11.7	13.6	15.4	17.4	19.3	21.1	23.0	24.9	26.7	28.6
35°	10.5	12.4	14.3	16.2	18.2	20.2	22.3	24.4	26.4	28.4	30.4
37.5°	10.8	12.8	14.9	17.0	19.0	21.0	23.0	25.3	27.6	30.0	32.2
40°	11.1	13.1	15.1	17.2	19.5	21.8	24.2	26.3	28.6	31.1	33.7
42.5°	11.5	13.6	15.8	17.9	20.0	22.1	24.6	27.3	30.0	32.5	35.0
45°	11.7	14.0	16.4	18.6	20.8	23.1	25.6	28.2	31.0	33.8	36.5
47.5°	11.7	13.9	16.2	18.8	21.4	24.1	26.8	29.4	32.2	35.0	37.9
50°	12.1	14.3	16.6	18.9	21.5	24.6	27.6	30.5	33.4	36.4	39.4
52.5°	12.4	14.8	17.1	19.6	22.3	25.1	28.1	31.3	34.5	37.7	40.9
55°	12.6	15.2	17.6	20.2	22.9	25.8	28.8	31.9	35.4	38.8	42.2
57.5°	12.3	14.8	17.6	20.5	23.3	26.4	29.5	32.8	36.2	39.8	43.4
60°	12.4	14.8	17.3	20.2	23.3	26.5	30.1	33.5	37.1	40.8	44.9
62.5°	11.8	14.4	17.1	19.9	23.1	26.4	30.0	34.1	37.9	41.9	46.3
65°	10.9	13.5	16.5	19.4	22.6	26.4	30.0	33.9	38.3	42.7	47.4
67.5°	9.9	12.4	15.4	18.9	22.2	25.7	29.9	33.7	38.3	43.2	48.3
70°	9.3	11.6	14.5	17.7	21.6	24.8	28.9	33.6	38.2	43.4	49.0
72.5°	8.6	11.0	13.8	16.7	20.0	24.0	27.8	33.0	38.2	43.7	49.6
75°	7.6	9.9	12.6	15.4	18.8	22.9	27.3	32.2	38.2	44.0	50.1
77.5°	6.9	8.5	11.0	14.1	17.6	22.0	26.7	31.5	38.0	44.2	50.7
80°	5.2	7.0	9.6	13.0	16.6	21.2	25.8	30.8	37.0	44.0	51.1
82.5°	3.0	5.2	8.2	12.0	15.7	19.8	24.5	29.8	36.2	43.8	51.7
85°	1.1	4.4	8.0	11.7	15.3	18.9	23.5	29.0	35.8	43.9	52.4
87.5°	0.4	4.9	8.6	12.0	15.3	18.5	22.8	28.5	35.8	44.2	53.4
90°	0.0	5.9	9.8	12.7	15.7	18.6	22.6	28.4	36.3	45.1	54.9
92.5°	0.4	4.9	8.6	12.0	15.3	18.5	22.8	28.5	35.8	44.2	53.4
95°	1.1	4.4	8.0	11.7	15.3	18.9	23.5	29.0	35.8	43.9	52.4
97.5°	3.0	5.2	8.2	12.0	15.7	19.8	24.5	29.8	36.2	43.8	51.7
100°	5.2	7.0	9.6	13.0	16.6	21.2	25.8	30.8	37.0	44.0	51.1
102.5°	6.9	8.5	11.0	14.1	17.6	22.0	26.7	31.5	38.0	44.2	50.7
105°	7.6	9.9	12.6	15.4	18.8	22.9	27.3	32.2	38.2	44.0	50.1
107.5°	8.6	11.0	13.8	16.7	20.0	24.0	27.8	33.0	38.2	43.7	49.6
110°	9.3	11.6	14.5	17.7	21.6	24.8	28.9	33.6	38.2	43.4	49.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	9.9	12.4	15.4	18.9	22.2	25.7	29.9	33.7	38.3	43.2	48.3
115°	10.9	13.5	16.5	19.4	22.6	26.4	30.0	33.9	38.3	42.7	47.4
117.5°	11.8	14.4	17.1	19.9	23.1	26.4	30.0	34.1	37.9	41.9	46.3
120°	12.4	14.8	17.3	20.2	23.3	26.5	30.1	33.5	37.1	40.8	44.9
122.5°	12.3	14.8	17.6	20.5	23.3	26.4	29.5	32.8	36.2	39.8	43.4
125°	12.6	15.2	17.6	20.2	22.9	25.8	28.8	31.9	35.4	38.8	42.2
127.5°	12.4	14.8	17.1	19.6	22.3	25.1	28.1	31.3	34.5	37.7	40.9
130°	12.1	14.3	16.6	18.9	21.5	24.6	27.6	30.5	33.4	36.4	39.4
132.5°	11.7	13.9	16.2	18.8	21.4	24.1	26.8	29.4	32.2	35.0	37.9
135°	11.7	14.0	16.4	18.6	20.8	23.1	25.6	28.2	31.0	33.8	36.5
137.5°	11.5	13.6	15.8	17.9	20.0	22.1	24.6	27.3	30.0	32.5	35.0
140°	11.1	13.1	15.1	17.2	19.5	21.8	24.2	26.3	28.6	31.1	33.7
142.5°	10.8	12.8	14.9	17.0	19.0	21.0	23.0	25.3	27.6	30.0	32.2
145°	10.5	12.4	14.3	16.2	18.2	20.2	22.3	24.4	26.4	28.4	30.4
147.5°	9.9	11.7	13.6	15.4	17.4	19.3	21.1	23.0	24.9	26.7	28.6
150°	9.1	10.9	12.7	14.5	16.3	18.1	19.8	21.6	23.3	25.3	27.3
152.5°	8.5	10.2	11.8	13.5	15.2	16.9	18.7	20.5	22.3	24.0	25.6
155°	7.9	9.5	11.1	12.8	14.4	16.1	17.6	19.1	20.6	22.1	23.6
157.5°	7.4	8.9	10.3	11.8	13.2	14.6	16.1	17.5	18.8	20.2	21.5
160°	6.7	8.0	9.4	10.7	12.0	13.2	14.5	15.7	16.9	18.0	19.0
162.5°	6.0	7.1	8.3	9.4	10.5	11.6	12.6	13.7	14.7	15.8	16.8
165°	5.1	6.1	7.1	8.1	9.0	10.0	11.0	11.9	12.8	13.7	14.6
167.5°	4.3	5.2	6.0	6.9	7.7	8.5	9.3	10.1	10.9	11.7	12.4
170°	3.5	4.2	4.9	5.6	6.2	6.9	7.5	8.1	8.7	9.3	9.9
172.5°	2.6	3.1	3.7	4.2	4.7	5.1	5.6	6.1	6.5	7.0	7.4
175°	1.7	2.1	2.4	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9
177.5°	0.9	1.1	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.4	2.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.8	2.9	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.1	4.2
5°	5.1	5.4	5.6	5.8	6.1	6.3	6.5	6.6	6.8	7.1	7.3
7.5°	7.8	8.2	8.6	8.9	9.3	9.6	9.9	10.1	10.3	10.6	10.8
10°	10.4	11.0	11.5	11.9	12.4	12.8	13.3	13.6	14.0	14.3	14.5
12.5°	13.1	13.7	14.4	15.0	15.6	16.1	16.6	17.1	17.5	17.9	18.3
15°	15.5	16.4	17.2	18.0	18.7	19.4	20.0	20.5	21.1	21.6	22.0
17.5°	17.8	18.8	19.8	20.7	21.6	22.5	23.4	24.0	24.6	25.2	25.7
20°	20.1	21.2	22.3	23.3	24.4	25.4	26.4	27.4	28.2	28.9	29.5
22.5°	22.7	23.8	24.9	25.9	27.1	28.2	29.3	30.4	31.5	32.5	33.2
25°	25.0	26.5	27.8	28.9	30.0	31.0	32.2	33.4	34.6	35.8	38.0
27.5°	27.2	28.7	30.2	31.8	33.1	34.2	36.0	38.3	40.9	43.8	46.9
30°	29.3	31.0	32.6	34.5	36.7	39.1	41.5	44.0	47.0	50.6	54.5
32.5°	30.6	33.0	35.4	37.6	39.9	42.6	45.6	48.8	52.1	56.1	60.9
35°	32.4	34.6	37.2	40.0	42.7	45.4	48.7	52.5	56.5	60.8	66.3
37.5°	34.3	36.6	38.9	41.7	44.8	48.0	51.2	55.3	59.9	65.1	70.6
40°	36.1	38.4	40.8	43.4	46.4	50.0	53.7	57.5	62.7	68.4	74.8
42.5°	37.6	40.2	42.7	45.3	48.2	51.6	55.7	59.9	64.7	71.2	78.4
45°	39.2	41.9	44.6	47.3	50.1	53.4	57.4	62.0	67.0	73.4	81.2
47.5°	40.8	43.7	46.5	49.2	52.1	55.4	59.0	63.8	69.2	75.1	83.8
50°	42.4	45.3	48.4	51.3	54.1	57.3	61.1	65.9	72.9	79.6	87.2
52.5°	44.1	47.1	50.2	53.5	56.3	61.4	67.3	73.8	80.4	86.4	92.1
55°	45.7	49.1	52.3	57.4	62.9	68.6	75.0	81.9	88.6	94.2	98.5
57.5°	47.2	51.9	56.8	62.1	68.6	75.2	82.3	89.8	97.4	102.7	106.2
60°	49.5	54.7	60.6	66.5	73.5	81.2	89.1	97.5	105.8	111.6	114.7
62.5°	51.2	56.9	63.4	70.3	77.6	86.5	95.5	104.8	114.0	121.0	124.0
65°	52.7	58.7	65.7	73.6	81.7	91.2	101.4	111.8	122.1	130.8	133.9
67.5°	53.9	60.2	67.7	76.3	85.5	95.5	107.0	118.6	130.1	140.3	143.4
70°	55.0	61.7	69.5	78.7	88.9	99.5	112.1	125.1	137.7	148.2	150.7
72.5°	56.1	63.0	71.0	80.9	92.1	103.1	115.4	127.9	138.7	147.1	149.6
75°	57.2	64.5	73.0	83.2	94.3	105.6	117.4	129.6	139.8	146.8	148.9
77.5°	58.2	66.4	75.3	85.6	97.0	108.4	119.9	131.8	141.7	147.3	148.4
80°	59.3	68.3	77.7	88.3	99.9	111.7	122.9	134.5	144.2	148.2	148.1
82.5°	60.4	70.3	80.3	91.4	103.2	115.3	126.4	137.6	147.3	149.6	147.9
85°	61.7	72.6	83.2	94.8	107.0	119.3	130.3	141.0	150.6	151.3	147.7
87.5°	63.5	75.3	86.5	98.7	111.1	123.7	134.6	144.9	154.2	153.1	147.5
90°	65.7	78.4	90.2	103.0	115.7	128.5	139.2	149.0	157.9	154.9	147.1
92.5°	63.5	75.3	86.5	98.7	111.1	123.7	134.6	144.9	154.2	153.1	147.5
95°	61.7	72.6	83.2	94.8	107.0	119.3	130.3	141.0	150.6	151.3	147.7
97.5°	60.4	70.3	80.3	91.4	103.2	115.3	126.4	137.6	147.3	149.6	147.9
100°	59.3	68.3	77.7	88.3	99.9	111.7	122.9	134.5	144.2	148.2	148.1
102.5°	58.2	66.4	75.3	85.6	97.0	108.4	119.9	131.8	141.7	147.3	148.4
105°	57.2	64.5	73.0	83.2	94.3	105.6	117.4	129.6	139.8	146.8	148.9
107.5°	56.1	63.0	71.0	80.9	92.1	103.1	115.4	127.9	138.7	147.1	149.6
110°	55.0	61.7	69.5	78.7	88.9	99.5	112.1	125.1	137.7	148.2	150.7



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	53.9	60.2	67.7	76.3	85.5	95.5	107.0	118.6	130.1	140.3	143.4
115°	52.7	58.7	65.7	73.6	81.7	91.2	101.4	111.8	122.1	130.8	133.9
117.5°	51.2	56.9	63.4	70.3	77.6	86.5	95.5	104.8	114.0	121.0	124.0
120°	49.5	54.7	60.6	66.5	73.5	81.2	89.1	97.5	105.8	111.6	114.7
122.5°	47.2	51.9	56.8	62.1	68.6	75.2	82.3	89.8	97.4	102.7	106.2
125°	45.7	49.1	52.3	57.4	62.9	68.6	75.0	81.9	88.6	94.2	98.5
127.5°	44.1	47.1	50.2	53.5	56.3	61.4	67.3	73.8	80.4	86.4	92.1
130°	42.4	45.3	48.4	51.3	54.1	57.3	61.1	65.9	72.9	79.6	87.2
132.5°	40.8	43.7	46.5	49.2	52.1	55.4	59.0	63.8	69.2	75.1	83.8
135°	39.2	41.9	44.6	47.3	50.1	53.4	57.4	62.0	67.0	73.4	81.2
137.5°	37.6	40.2	42.7	45.3	48.2	51.6	55.7	59.9	64.7	71.2	78.4
140°	36.1	38.4	40.8	43.4	46.4	50.0	53.7	57.5	62.7	68.4	74.8
142.5°	34.3	36.6	38.9	41.7	44.8	48.0	51.2	55.3	59.9	65.1	70.6
145°	32.4	34.6	37.2	40.0	42.7	45.4	48.7	52.5	56.5	60.8	66.3
147.5°	30.6	33.0	35.4	37.6	39.9	42.6	45.6	48.8	52.1	56.1	60.9
150°	29.3	31.0	32.6	34.5	36.7	39.1	41.5	44.0	47.0	50.6	54.5
152.5°	27.2	28.7	30.2	31.8	33.1	34.2	36.0	38.3	40.9	43.8	46.9
155°	25.0	26.5	27.8	28.9	30.0	31.0	32.2	33.4	34.6	35.8	38.0
157.5°	22.7	23.8	24.9	25.9	27.1	28.2	29.3	30.4	31.5	32.5	33.2
160°	20.1	21.2	22.3	23.3	24.4	25.4	26.4	27.4	28.2	28.9	29.5
162.5°	17.8	18.8	19.8	20.7	21.6	22.5	23.4	24.0	24.6	25.2	25.7
165°	15.5	16.4	17.2	18.0	18.7	19.4	20.0	20.5	21.1	21.6	22.0
167.5°	13.1	13.7	14.4	15.0	15.6	16.1	16.6	17.1	17.5	17.9	18.3
170°	10.4	11.0	11.5	11.9	12.4	12.8	13.3	13.6	14.0	14.3	14.5
172.5°	7.8	8.2	8.6	8.9	9.3	9.6	9.9	10.1	10.3	10.6	10.8
175°	5.1	5.4	5.6	5.8	6.1	6.3	6.5	6.6	6.8	7.1	7.3
177.5°	2.8	2.9	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.1	4.2
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.5
5°	7.5	7.8	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.1	10.1
7.5°	10.9	11.1	11.4	11.7	12.0	12.2	12.5	12.7	12.9	13.1	14.6
10°	14.7	14.9	15.1	15.2	15.5	15.9	16.2	16.6	16.9	17.1	19.1
12.5°	18.6	18.8	19.0	19.1	19.2	19.5	20.0	20.4	20.8	21.2	23.6
15°	22.4	22.8	23.0	23.1	23.2	23.2	23.7	24.3	24.7	25.2	28.0
17.5°	26.2	26.6	27.0	27.2	27.2	27.2	27.4	28.1	28.7	29.2	32.5
20°	30.0	30.5	30.9	31.3	31.3	31.3	31.1	31.9	32.6	33.3	36.9
22.5°	33.8	34.3	34.8	35.2	35.4	35.3	35.2	35.6	36.5	37.3	41.4
25°	40.1	42.0	44.0	45.7	47.2	47.8	48.0	48.3	49.1	49.7	53.9
27.5°	50.2	53.1	56.0	58.4	60.4	61.7	61.6	61.4	61.9	62.1	66.5
30°	58.8	63.2	67.0	70.8	73.4	75.7	75.3	74.7	74.7	74.5	79.0
32.5°	66.1	71.8	77.2	82.2	86.0	89.0	89.2	88.2	87.6	86.9	91.4
35°	72.3	79.3	86.5	92.8	98.4	102.0	103.2	101.7	100.6	99.4	103.8
37.5°	77.9	85.7	94.5	102.6	110.7	114.8	117.2	115.4	113.6	111.8	116.2
40°	82.5	91.3	101.6	111.8	121.1	127.4	131.4	129.1	126.7	124.2	128.5
42.5°	86.2	96.5	107.9	120.8	131.3	139.8	145.6	142.9	139.8	136.6	140.8
45°	90.2	101.0	113.4	127.8	141.0	152.1	158.5	156.7	153.0	149.0	153.0
47.5°	93.4	103.6	115.8	129.6	142.8	154.6	161.3	161.9	160.6	160.1	167.9
50°	95.2	103.9	115.3	128.3	141.9	154.4	162.7	166.3	167.8	171.2	183.1
52.5°	98.4	105.8	115.5	127.5	141.2	154.0	164.0	170.2	174.8	182.4	198.5
55°	103.2	108.6	116.3	127.1	140.6	153.7	165.1	173.9	181.5	193.5	214.2
57.5°	109.1	112.3	117.6	127.3	140.3	153.5	166.1	177.2	187.9	204.6	230.1
60°	116.0	116.9	119.9	128.5	140.4	153.5	167.0	180.2	194.2	215.7	246.2
62.5°	123.9	122.4	123.5	130.0	140.8	153.7	167.7	183.0	200.2	226.9	262.4
65°	132.5	129.0	127.7	132.0	141.5	153.9	168.4	185.6	206.1	238.0	278.7
67.5°	141.5	136.3	132.4	134.3	142.4	154.3	169.1	188.0	211.9	249.1	295.2
70°	146.9	139.8	134.0	134.3	141.5	153.0	167.5	186.4	210.4	247.2	294.3
72.5°	145.7	138.9	133.4	133.4	140.3	151.4	165.8	184.9	208.9	245.4	293.3
75°	144.5	137.6	132.6	132.5	139.2	150.0	164.2	183.4	207.5	243.5	293.9
77.5°	143.4	136.0	131.6	131.7	138.3	148.8	162.7	182.0	206.3	241.7	292.1
80°	142.1	134.2	130.5	130.9	137.4	147.6	161.3	180.7	205.1	239.8	290.4
82.5°	140.9	132.2	129.3	130.2	136.7	146.6	160.0	179.5	203.9	238.0	288.6
85°	139.5	130.1	128.1	129.6	136.2	145.6	158.9	178.4	202.9	236.1	286.9
87.5°	138.0	127.8	126.8	129.0	135.7	144.8	157.8	177.4	201.9	234.3	285.1
90°	136.3	125.5	125.5	128.5	135.3	144.1	156.9	176.5	201.0	232.4	283.4
92.5°	138.0	127.8	126.8	129.0	135.7	144.8	157.8	177.4	201.9	234.3	285.1
95°	139.5	130.1	128.1	129.6	136.2	145.6	158.9	178.4	202.9	236.1	286.9
97.5°	140.9	132.2	129.3	130.2	136.7	146.6	160.0	179.5	203.9	238.0	288.6
100°	142.1	134.2	130.5	130.9	137.4	147.6	161.3	180.7	205.1	239.8	290.4
102.5°	143.4	136.0	131.6	131.7	138.3	148.8	162.7	182.0	206.3	241.7	292.1
105°	144.5	137.6	132.6	132.5	139.2	150.0	164.2	183.4	207.5	243.5	293.9
107.5°	145.7	138.9	133.4	133.4	140.3	151.4	165.8	184.9	208.9	245.4	293.3
110°	146.9	139.8	134.0	134.3	141.5	153.0	167.5	186.4	210.4	247.2	294.3



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	141.5	136.3	132.4	134.3	142.4	154.3	169.1	188.0	211.9	249.1	295.2
115°	132.5	129.0	127.7	132.0	141.5	153.9	168.4	185.6	206.1	238.0	278.7
117.5°	123.9	122.4	123.5	130.0	140.8	153.7	167.7	183.0	200.2	226.9	262.4
120°	116.0	116.9	119.9	128.5	140.4	153.5	167.0	180.2	194.2	215.7	246.2
122.5°	109.1	112.3	117.6	127.3	140.3	153.5	166.1	177.2	187.9	204.6	230.1
125°	103.2	108.6	116.3	127.1	140.6	153.7	165.1	173.9	181.5	193.5	214.2
127.5°	98.4	105.8	115.5	127.5	141.2	154.0	164.0	170.2	174.8	182.4	198.5
130°	95.2	103.9	115.3	128.3	141.9	154.4	162.7	166.3	167.8	171.2	183.1
132.5°	93.4	103.6	115.8	129.6	142.8	154.6	161.3	161.9	160.6	160.1	167.9
135°	90.2	101.0	113.4	127.8	141.0	152.1	158.5	156.7	153.0	149.0	153.0
137.5°	86.2	96.5	107.9	120.8	131.3	139.8	145.6	142.9	139.8	136.6	140.8
140°	82.5	91.3	101.6	111.8	121.1	127.4	131.4	129.1	126.7	124.2	128.5
142.5°	77.9	85.7	94.5	102.6	110.7	114.8	117.2	115.4	113.6	111.8	116.2
145°	72.3	79.3	86.5	92.8	98.4	102.0	103.2	101.7	100.6	99.4	103.8
147.5°	66.1	71.8	77.2	82.2	86.0	89.0	89.2	88.2	87.6	86.9	91.4
150°	58.8	63.2	67.0	70.8	73.4	75.7	75.3	74.7	74.7	74.5	79.0
152.5°	50.2	53.1	56.0	58.4	60.4	61.7	61.6	61.4	61.9	62.1	66.5
155°	40.1	42.0	44.0	45.7	47.2	47.8	48.0	48.3	49.1	49.7	53.9
157.5°	33.8	34.3	34.8	35.2	35.4	35.3	35.2	35.6	36.5	37.3	41.4
160°	30.0	30.5	30.9	31.3	31.3	31.3	31.1	31.9	32.6	33.3	36.9
162.5°	26.2	26.6	27.0	27.2	27.2	27.2	27.4	28.1	28.7	29.2	32.5
165°	22.4	22.8	23.0	23.1	23.2	23.2	23.7	24.3	24.7	25.2	28.0
167.5°	18.6	18.8	19.0	19.1	19.2	19.5	20.0	20.4	20.8	21.2	23.6
170°	14.7	14.9	15.1	15.2	15.5	15.9	16.2	16.6	16.9	17.1	19.1
172.5°	10.9	11.1	11.4	11.7	12.0	12.2	12.5	12.7	12.9	13.1	14.6
175°	7.5	7.8	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.1	10.1
177.5°	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	6.0	6.5	7.0	7.4	7.9	8.3	8.8	9.2	9.6	9.9	10.3
5°	11.0	12.0	12.9	13.8	14.7	15.6	16.4	17.2	18.0	18.8	19.5
7.5°	16.0	17.4	18.8	20.2	21.5	22.8	24.1	25.8	27.5	29.0	30.6
10°	21.0	22.8	24.7	26.5	28.3	30.7	33.0	35.3	37.4	39.5	41.7
12.5°	25.9	28.2	30.5	33.0	36.0	38.9	41.8	44.6	47.5	50.6	53.6
15°	30.8	33.6	36.4	40.0	43.6	47.1	50.5	54.2	57.9	61.4	65.4
17.5°	35.7	38.8	42.7	46.9	51.1	55.2	59.3	63.5	67.5	71.3	74.9
20°	40.5	44.2	49.0	53.8	58.5	63.0	67.6	72.0	76.3	80.5	84.6
22.5°	45.4	49.9	55.3	60.6	65.6	70.4	75.2	80.1	84.9	89.6	93.9
25°	57.9	62.8	68.2	73.3	77.8	82.1	86.4	90.6	94.4	97.5	102.0
27.5°	70.6	76.2	82.0	87.2	92.0	96.6	101.1	105.4	108.7	112.0	115.3
30°	83.2	89.5	95.7	100.9	106.3	110.8	115.4	119.2	122.6	126.2	129.6
32.5°	96.0	102.7	108.9	114.5	119.7	124.6	128.8	132.5	136.1	139.7	144.3
35°	108.8	115.7	122.1	127.9	133.1	138.2	141.8	145.4	149.1	153.2	159.0
37.5°	121.5	128.7	135.2	141.2	146.1	150.5	154.3	157.9	161.7	167.1	173.4
40°	134.2	141.6	148.1	153.9	158.7	162.7	166.4	169.8	174.3	180.1	188.7
42.5°	146.8	154.3	160.9	166.4	170.9	174.6	178.0	181.1	186.7	194.1	203.4
45°	159.3	166.8	173.6	178.6	182.7	186.2	189.1	193.0	198.5	207.9	218.4
47.5°	178.4	189.6	198.9	203.3	204.9	205.1	204.9	206.1	211.3	221.8	232.9
50°	198.5	214.3	227.5	233.2	233.5	233.0	233.6	235.8	240.3	246.0	252.9
52.5°	219.2	239.8	256.2	263.7	261.3	261.2	263.0	266.0	270.8	276.5	283.2
55°	240.4	266.1	285.2	293.1	288.4	289.4	292.5	296.4	300.7	305.6	311.7
57.5°	262.1	293.0	314.5	321.5	315.3	317.9	322.1	326.1	329.8	333.6	338.8
60°	284.2	320.5	344.1	349.4	343.3	346.6	351.9	355.3	357.7	360.4	363.4
62.5°	306.7	348.5	373.9	376.9	371.3	375.7	381.4	383.8	384.7	385.8	386.6
65°	329.4	376.9	404.0	404.0	399.4	404.9	410.3	411.6	410.8	410.0	408.2
67.5°	352.4	405.6	434.1	430.8	427.6	434.1	438.8	438.5	435.9	432.8	428.3
70°	352.5	408.3	442.3	444.2	445.2	452.1	457.0	457.8	456.3	453.4	447.2
72.5°	351.5	408.7	447.9	455.8	458.3	462.6	465.2	465.2	463.2	459.4	454.7
75°	350.2	409.0	453.9	468.6	470.9	472.3	473.2	472.5	469.9	465.5	461.3
77.5°	348.7	408.9	460.3	482.3	483.2	481.5	481.0	479.9	476.6	471.7	468.1
80°	348.7	408.6	466.9	496.7	495.2	490.3	488.7	487.2	483.2	478.0	475.2
82.5°	345.8	409.6	475.7	511.5	507.0	498.7	496.2	494.6	489.8	484.3	482.5
85°	343.0	407.7	480.9	527.4	518.5	506.7	503.6	501.9	496.4	490.8	489.9
87.5°	340.1	405.9	486.1	541.7	530.4	515.1	511.2	509.3	503.0	497.2	497.4
90°	337.3	404.0	491.3	556.0	542.2	523.6	518.7	516.7	509.9	504.0	505.0
92.5°	340.1	405.9	486.1	541.7	530.4	515.1	511.2	509.3	503.0	497.2	497.4
95°	343.0	407.7	480.9	527.4	518.5	506.7	503.6	501.9	496.4	490.8	489.9
97.5°	345.8	409.6	475.7	511.5	507.0	498.7	496.2	494.6	489.8	484.3	482.5
100°	348.7	408.6	466.9	496.7	495.2	490.3	488.7	487.2	483.2	478.0	475.2
102.5°	348.7	408.9	460.3	482.3	483.2	481.5	481.0	479.9	476.6	471.7	468.1
105°	350.2	409.0	453.9	468.6	470.9	472.3	473.2	472.5	469.9	465.5	461.3
107.5°	351.5	408.7	447.9	455.8	458.3	462.6	465.2	465.2	463.2	459.4	454.7
110°	352.5	408.3	442.3	444.2	445.2	452.1	457.0	457.8	456.3	453.4	447.2



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	352.4	405.6	434.1	430.8	427.6	434.1	438.8	438.5	435.9	432.8	428.3
115°	329.4	376.9	404.0	404.0	399.4	404.9	410.3	411.6	410.8	410.0	408.2
117.5°	306.7	348.5	373.9	376.9	371.3	375.7	381.4	383.8	384.7	385.8	386.6
120°	284.2	320.5	344.1	349.4	343.3	346.6	351.9	355.3	357.7	360.4	363.4
122.5°	262.1	293.0	314.5	321.5	315.3	317.9	322.1	326.1	329.8	333.6	338.8
125°	240.4	266.1	285.2	293.1	288.4	289.4	292.5	296.4	300.7	305.6	311.7
127.5°	219.2	239.8	256.2	263.7	261.3	261.2	263.0	266.0	270.8	276.5	283.2
130°	198.5	214.3	227.5	233.2	233.5	233.0	233.6	235.8	240.3	246.0	252.9
132.5°	178.4	189.6	198.9	203.3	204.9	205.1	204.9	206.1	211.3	221.8	232.9
135°	159.3	166.8	173.6	178.6	182.7	186.2	189.1	193.0	198.5	207.9	218.4
137.5°	146.8	154.3	160.9	166.4	170.9	174.6	178.0	181.1	186.7	194.1	203.4
140°	134.2	141.6	148.1	153.9	158.7	162.7	166.4	169.8	174.3	180.1	188.7
142.5°	121.5	128.7	135.2	141.2	146.1	150.5	154.3	157.9	161.7	167.1	173.4
145°	108.8	115.7	122.1	127.9	133.1	138.2	141.8	145.4	149.1	153.2	159.0
147.5°	96.0	102.7	108.9	114.5	119.7	124.6	128.8	132.5	136.1	139.7	144.3
150°	83.2	89.5	95.7	100.9	106.3	110.8	115.4	119.2	122.6	126.2	129.6
152.5°	70.6	76.2	82.0	87.2	92.0	96.6	101.1	105.4	108.7	112.0	115.3
155°	57.9	62.8	68.2	73.3	77.8	82.1	86.4	90.6	94.4	97.5	102.0
157.5°	45.4	49.9	55.3	60.6	65.6	70.4	75.2	80.1	84.9	89.6	93.9
160°	40.5	44.2	49.0	53.8	58.5	63.0	67.6	72.0	76.3	80.5	84.6
162.5°	35.7	38.8	42.7	46.9	51.1	55.2	59.3	63.5	67.5	71.3	74.9
165°	30.8	33.6	36.4	40.0	43.6	47.1	50.5	54.2	57.9	61.4	65.4
167.5°	25.9	28.2	30.5	33.0	36.0	38.9	41.8	44.6	47.5	50.6	53.6
170°	21.0	22.8	24.7	26.5	28.3	30.7	33.0	35.3	37.4	39.5	41.7
172.5°	16.0	17.4	18.8	20.2	21.5	22.8	24.1	25.8	27.5	29.0	30.6
175°	11.0	12.0	12.9	13.8	14.7	15.6	16.4	17.2	18.0	18.8	19.5
177.5°	6.0	6.5	7.0	7.4	7.9	8.3	8.8	9.2	9.6	9.9	10.3
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	10.6	11.0	11.3	11.6	11.8	12.1	12.3	12.5	12.7	12.8	13.0
5°	20.5	21.4	22.3	23.1	23.9	24.7	25.4	26.0	26.6	27.1	27.6
7.5°	32.0	33.4	34.8	36.0	37.3	38.9	40.3	41.7	43.0	44.1	45.2
10°	44.0	46.3	48.6	50.8	52.9	55.0	56.9	58.5	59.8	61.0	62.1
12.5°	56.6	59.5	62.2	64.4	66.5	68.5	70.3	72.1	73.7	75.7	77.7
15°	68.0	70.9	73.6	76.3	78.9	82.0	85.0	87.9	90.7	93.5	96.0
17.5°	78.4	82.1	85.4	89.0	92.7	96.3	99.7	103.1	106.4	109.5	112.6
20°	88.7	92.8	96.9	101.0	105.1	109.1	113.1	116.9	120.3	123.4	126.2
22.5°	98.3	102.7	107.3	111.9	116.5	121.1	125.5	129.6	133.3	136.0	138.2
25°	106.8	111.7	117.2	122.5	128.2	133.5	138.5	142.8	146.4	149.7	153.1
27.5°	118.6	122.5	127.5	134.2	141.3	147.8	154.2	159.3	164.5	168.9	172.7
30°	134.1	139.4	145.0	151.7	158.1	165.5	173.1	179.8	185.8	190.8	195.4
32.5°	149.9	156.2	163.6	171.1	179.3	187.2	195.2	202.8	209.3	214.8	219.8
35°	165.6	173.7	182.1	191.2	200.2	209.3	218.0	225.5	232.5	239.4	246.5
37.5°	182.0	191.0	200.9	210.8	221.0	230.5	239.2	247.7	256.5	265.8	275.6
40°	198.0	208.5	219.2	230.3	240.9	250.8	261.0	271.1	282.7	295.3	308.3
42.5°	214.3	225.5	237.5	249.1	260.2	271.8	283.2	297.3	312.4	327.7	344.1
45°	229.8	242.5	255.1	267.3	280.1	292.8	308.3	324.2	342.2	361.9	385.4
47.5°	245.6	258.9	272.3	285.9	299.9	316.1	333.2	352.2	374.7	399.8	430.1
50°	261.7	275.0	289.3	304.4	320.9	338.5	358.1	381.7	409.4	441.8	478.0
52.5°	291.1	299.8	310.4	323.1	341.9	360.7	384.0	412.2	445.9	486.0	534.0
55°	318.4	326.1	336.4	349.3	365.2	383.2	409.3	443.6	484.4	534.6	594.2
57.5°	343.5	350.1	360.2	374.3	392.3	415.6	442.6	475.6	526.1	587.2	654.5
60°	366.6	371.5	382.9	399.8	421.7	447.8	477.6	520.7	574.4	637.7	716.0
62.5°	387.9	392.7	404.6	424.5	451.3	479.0	514.6	562.7	624.5	697.2	779.4
65°	407.3	413.0	427.9	451.1	479.7	506.4	549.1	605.7	674.0	752.8	843.6
67.5°	424.8	431.8	450.3	477.7	504.9	535.9	582.0	643.0	718.2	805.5	904.1
70°	442.6	450.0	471.9	503.4	526.9	562.2	613.8	680.2	759.2	850.9	960.0
72.5°	454.6	467.0	493.3	526.1	546.8	585.9	640.4	711.0	793.8	892.3	1001.7
75°	463.7	479.6	510.2	542.6	568.9	608.9	665.4	736.6	820.2	925.0	1037.4
77.5°	472.7	491.5	526.8	559.2	589.2	631.8	690.1	762.3	849.6	953.7	1065.2
80°	481.4	502.7	543.0	575.7	607.4	651.0	709.8	782.6	874.4	980.9	1097.3
82.5°	489.9	513.0	558.4	591.8	623.6	666.8	725.0	797.4	892.7	1000.8	1121.0
85°	498.1	522.6	572.7	607.3	638.2	679.6	736.1	807.2	904.5	1013.3	1136.2
87.5°	506.2	531.7	586.7	622.6	651.7	690.7	745.0	814.3	912.9	1021.9	1146.9
90°	513.8	539.3	597.1	635.4	662.8	698.1	748.2	813.8	909.9	1016.8	1140.4
92.5°	506.2	531.7	586.7	622.6	651.7	690.7	745.0	814.3	912.9	1021.9	1146.9
95°	498.1	522.6	572.7	607.3	638.2	679.6	736.1	807.2	904.5	1013.3	1136.2
97.5°	489.9	513.0	558.4	591.8	623.6	666.8	725.0	797.4	892.7	1000.8	1121.0
100°	481.4	502.7	543.0	575.7	607.4	651.0	709.8	782.6	874.4	980.9	1097.3
102.5°	472.7	491.5	526.8	559.2	589.2	631.8	690.1	762.3	849.6	953.7	1065.2
105°	463.7	479.6	510.2	542.6	568.9	608.9	665.4	736.6	820.2	925.0	1037.4
107.5°	454.6	467.0	493.3	526.1	546.8	585.9	640.4	711.0	793.8	892.3	1001.7
110°	442.6	450.0	471.9	503.4	526.9	562.2	613.8	680.2	759.2	850.9	960.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	424.8	431.8	450.3	477.7	504.9	535.9	582.0	643.0	718.2	805.5	904.1
115°	407.3	413.0	427.9	451.1	479.7	506.4	549.1	605.7	674.0	752.8	843.6
117.5°	387.9	392.7	404.6	424.5	451.3	479.0	514.6	562.7	624.5	697.2	779.4
120°	366.6	371.5	382.9	399.8	421.7	447.8	477.6	520.7	574.4	637.7	716.0
122.5°	343.5	350.1	360.2	374.3	392.3	415.6	442.6	475.6	526.1	587.2	654.5
125°	318.4	326.1	336.4	349.3	365.2	383.2	409.3	443.6	484.4	534.6	594.2
127.5°	291.1	299.8	310.4	323.1	341.9	360.7	384.0	412.2	445.9	486.0	534.0
130°	261.7	275.0	289.3	304.4	320.9	338.5	358.1	381.7	409.4	441.8	478.0
132.5°	245.6	258.9	272.3	285.9	299.9	316.1	333.2	352.2	374.7	399.8	430.1
135°	229.8	242.5	255.1	267.3	280.1	292.8	308.3	324.2	342.2	361.9	385.4
137.5°	214.3	225.5	237.5	249.1	260.2	271.8	283.2	297.3	312.4	327.7	344.1
140°	198.0	208.5	219.2	230.3	240.9	250.8	261.0	271.1	282.7	295.3	308.3
142.5°	182.0	191.0	200.9	210.8	221.0	230.5	239.2	247.7	256.5	265.8	275.6
145°	165.6	173.7	182.1	191.2	200.2	209.3	218.0	225.5	232.5	239.4	246.5
147.5°	149.9	156.2	163.6	171.1	179.3	187.2	195.2	202.8	209.3	214.8	219.8
150°	134.1	139.4	145.0	151.7	158.1	165.5	173.1	179.8	185.8	190.8	195.4
152.5°	118.6	122.5	127.5	134.2	141.3	147.8	154.2	159.3	164.5	168.9	172.7
155°	106.8	111.7	117.2	122.5	128.2	133.5	138.5	142.8	146.4	149.7	153.1
157.5°	98.3	102.7	107.3	111.9	116.5	121.1	125.5	129.6	133.3	136.0	138.2
160°	88.7	92.8	96.9	101.0	105.1	109.1	113.1	116.9	120.3	123.4	126.2
162.5°	78.4	82.1	85.4	89.0	92.7	96.3	99.7	103.1	106.4	109.5	112.6
165°	68.0	70.9	73.6	76.3	78.9	82.0	85.0	87.9	90.7	93.5	96.0
167.5°	56.6	59.5	62.2	64.4	66.5	68.5	70.3	72.1	73.7	75.7	77.7
170°	44.0	46.3	48.6	50.8	52.9	55.0	56.9	58.5	59.8	61.0	62.1
172.5°	32.0	33.4	34.8	36.0	37.3	38.9	40.3	41.7	43.0	44.1	45.2
175°	20.5	21.4	22.3	23.1	23.9	24.7	25.4	26.0	26.6	27.1	27.6
177.5°	10.6	11.0	11.3	11.6	11.8	12.1	12.3	12.5	12.7	12.8	13.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231977

CATALOG NUMBER: FVS4WM-4-LD4-35-1HI-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	13.1	13.2	13.3	13.3	13.3	13.3	13.7	13.5	13.4	13.2	13.0
5°	28.0	28.4	28.7	28.9	29.1	29.3	29.3	29.3	29.7	29.4	29.1
7.5°	46.2	47.2	48.0	48.7	49.3	49.8	50.1	50.4	50.6	51.2	50.8
10°	63.0	63.9	64.7	65.3	65.8	66.2	66.5	66.7	66.7	67.2	66.7
12.5°	79.7	81.5	83.2	84.7	86.0	87.2	88.3	89.1	89.7	90.2	90.9
15°	98.4	100.6	102.7	104.6	106.3	107.9	109.3	110.4	111.4	112.1	113.1
17.5°	115.3	117.4	119.2	120.9	122.2	123.4	124.3	125.0	125.5	125.8	126.3
20°	128.8	130.7	131.6	132.2	132.4	132.3	131.9	131.3	130.4	129.3	128.2
22.5°	139.8	140.8	142.1	143.2	143.8	143.9	143.6	142.9	141.7	140.3	138.9
25°	155.8	157.9	159.2	160.2	160.6	160.4	159.5	158.2	156.3	154.1	151.4
27.5°	175.7	177.9	179.3	180.7	182.2	183.2	183.7	183.5	182.8	181.4	179.5
30°	198.9	202.4	205.4	207.9	211.3	214.2	216.4	218.0	218.9	218.9	218.1
32.5°	224.8	230.5	235.7	240.5	246.5	252.9	258.6	263.4	267.3	270.1	271.6
35°	253.3	262.2	271.8	281.0	290.1	300.1	309.2	317.2	324.1	329.6	333.6
37.5°	286.9	298.7	312.5	325.8	338.6	353.6	368.1	381.2	392.8	402.6	410.3
40°	322.9	338.5	357.5	377.4	396.7	416.8	437.1	455.5	471.8	485.8	497.1
42.5°	364.1	384.9	408.6	436.1	462.5	488.6	518.0	545.0	569.3	590.4	607.9
45°	410.0	439.1	467.4	504.0	541.3	580.9	615.4	651.2	683.5	711.6	735.2
47.5°	462.1	500.6	540.7	583.0	631.5	678.3	725.7	772.2	814.5	852.1	884.1
50°	523.0	569.8	622.5	674.1	731.0	790.2	848.9	906.9	957.8	1001.2	1036.9
52.5°	588.8	646.7	710.3	774.2	844.7	918.2	988.0	1057.0	1113.5	1157.9	1190.9
55°	657.5	728.6	803.6	887.1	973.9	1070.5	1155.6	1215.5	1260.3	1293.5	1316.0
57.5°	729.9	814.2	904.3	1007.8	1120.7	1210.3	1298.1	1343.3	1369.6	1388.9	1401.4
60°	804.2	900.0	1008.9	1118.4	1223.3	1312.6	1382.3	1425.4	1443.7	1458.1	1468.3
62.5°	873.9	982.6	1095.7	1208.6	1304.5	1386.1	1444.6	1483.6	1502.1	1518.3	1531.4
65°	944.1	1049.9	1169.0	1283.1	1383.4	1462.0	1506.7	1535.0	1550.5	1566.0	1579.4
67.5°	1010.3	1121.4	1242.5	1368.5	1471.7	1530.2	1561.4	1575.5	1589.2	1608.7	1621.6
70°	1068.6	1190.2	1321.0	1456.5	1544.3	1578.4	1596.8	1616.1	1634.9	1646.5	1657.1
72.5°	1119.5	1247.4	1385.7	1505.7	1579.8	1609.2	1628.8	1646.5	1662.3	1676.6	1691.4
75°	1161.1	1292.4	1429.0	1544.8	1610.8	1634.3	1650.9	1668.2	1685.7	1704.2	1719.8
77.5°	1190.4	1320.1	1470.0	1585.2	1635.1	1657.9	1671.8	1682.2	1701.6	1722.8	1743.6
80°	1218.8	1351.6	1505.0	1623.0	1659.6	1679.6	1685.0	1698.8	1711.4	1735.8	1763.1
82.5°	1243.0	1383.0	1538.3	1636.5	1674.8	1689.1	1698.2	1717.0	1731.5	1750.5	1772.5
85°	1257.5	1398.3	1561.5	1645.2	1681.3	1693.3	1710.6	1733.9	1749.2	1762.3	1766.7
87.5°	1266.9	1398.9	1572.1	1651.4	1685.9	1697.9	1715.2	1736.5	1747.9	1769.6	1783.4
90°	1258.0	1386.5	1567.9	1652.2	1687.5	1702.2	1715.0	1733.6	1735.6	1763.0	1783.6
92.5°	1266.9	1398.9	1572.1	1651.4	1685.9	1697.9	1715.2	1736.5	1747.9	1769.6	1783.4
95°	1257.5	1398.3	1561.5	1645.2	1681.3	1693.3	1710.6	1733.9	1749.2	1762.3	1766.7
97.5°	1243.0	1383.0	1538.3	1636.5	1674.8	1689.1	1698.2	1717.0	1731.5	1750.5	1772.5
100°	1218.8	1351.6	1505.0	1623.0	1659.6	1679.6	1685.0	1698.8	1711.4	1735.8	1763.1
102.5°	1190.4	1320.1	1470.0	1585.2	1635.1	1657.9	1671.8	1682.2	1701.6	1722.8	1743.6
105°	1161.1	1292.4	1429.0	1544.8	1610.8	1634.3	1650.9	1668.2	1685.7	1704.2	1719.8
107.5°	1119.5	1247.4	1385.7	1505.7	1579.8	1609.2	1628.8	1646.5	1662.3	1676.6	1691.4
110°	1068.6	1190.2	1321.0	1456.5	1544.3	1578.4	1596.8	1616.1	1634.9	1646.5	1657.1



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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°	1010.3	1121.4	1242.5	1368.5	1471.7	1530.2	1561.4	1575.5	1589.2	1608.7	1621.6
115°	944.1	1049.9	1169.0	1283.1	1383.4	1462.0	1506.7	1535.0	1550.5	1566.0	1579.4
117.5°	873.9	982.6	1095.7	1208.6	1304.5	1386.1	1444.6	1483.6	1502.1	1518.3	1531.4
120°	804.2	900.0	1008.9	1118.4	1223.3	1312.6	1382.3	1425.4	1443.7	1458.1	1468.3
122.5°	729.9	814.2	904.3	1007.8	1120.7	1210.3	1298.1	1343.3	1369.6	1388.9	1401.4
125°	657.5	728.6	803.6	887.1	973.9	1070.5	1155.6	1215.5	1260.3	1293.5	1316.0
127.5°	588.8	646.7	710.3	774.2	844.7	918.2	988.0	1057.0	1113.5	1157.9	1190.9
130°	523.0	569.8	622.5	674.1	731.0	790.2	848.9	906.9	957.8	1001.2	1036.9
132.5°	462.1	500.6	540.7	583.0	631.5	678.3	725.7	772.2	814.5	852.1	884.1
135°	410.0	439.1	467.4	504.0	541.3	580.9	615.4	651.2	683.5	711.6	735.2
137.5°	364.1	384.9	408.6	436.1	462.5	488.6	518.0	545.0	569.3	590.4	607.9
140°	322.9	338.5	357.5	377.4	396.7	416.8	437.1	455.5	471.8	485.8	497.1
142.5°	286.9	298.7	312.5	325.8	338.6	353.6	368.1	381.2	392.8	402.6	410.3
145°	253.3	262.2	271.8	281.0	290.1	300.1	309.2	317.2	324.1	329.6	333.6
147.5°	224.8	230.5	235.7	240.5	246.5	252.9	258.6	263.4	267.3	270.1	271.6
150°	198.9	202.4	205.4	207.9	211.3	214.2	216.4	218.0	218.9	218.9	218.1
152.5°	175.7	177.9	179.3	180.7	182.2	183.2	183.7	183.5	182.8	181.4	179.5
155°	155.8	157.9	159.2	160.2	160.6	160.4	159.5	158.2	156.3	154.1	151.4
157.5°	139.8	140.8	142.1	143.2	143.8	143.9	143.6	142.9	141.7	140.3	138.9
160°	128.8	130.7	131.6	132.2	132.4	132.3	131.9	131.3	130.4	129.3	128.2
162.5°	115.3	117.4	119.2	120.9	122.2	123.4	124.3	125.0	125.5	125.8	126.3
165°	98.4	100.6	102.7	104.6	106.3	107.9	109.3	110.4	111.4	112.1	113.1
167.5°	79.7	81.5	83.2	84.7	86.0	87.2	88.3	89.1	89.7	90.2	90.9
170°	63.0	63.9	64.7	65.3	65.8	66.2	66.5	66.7	66.7	67.2	66.7
172.5°	46.2	47.2	48.0	48.7	49.3	49.8	50.1	50.4	50.6	51.2	50.8
175°	28.0	28.4	28.7	28.9	29.1	29.3	29.3	29.3	29.7	29.4	29.1
177.5°	13.1	13.2	13.3	13.3	13.3	13.3	13.7	13.5	13.4	13.2	13.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1.0	1.0
2.5°	12.9	12.7
5°	28.7	28.4
7.5°	50.4	50.0
10°	66.2	65.7
12.5°	90.5	90.2
15°	112.9	112.8
17.5°	125.9	125.5
20°	126.8	125.5
22.5°	136.6	134.3
25°	148.5	145.1
27.5°	177.2	173.6
30°	216.9	213.8
32.5°	272.6	270.6
35°	336.8	336.3
37.5°	417.1	418.7
40°	507.2	510.9
42.5°	623.7	630.5
45°	756.7	766.8
47.5°	913.6	928.6
50°	1068.8	1084.5
52.5°	1217.8	1226.7
55°	1332.4	1333.5
57.5°	1410.3	1408.1
60°	1476.4	1474.7
62.5°	1540.4	1544.4
65°	1589.8	1596.3
67.5°	1628.2	1629.7
70°	1665.3	1669.9
72.5°	1702.1	1708.1
75°	1730.7	1737.5
77.5°	1755.2	1762.0
80°	1774.9	1773.8
82.5°	1788.7	1791.4
85°	1789.6	1806.2
87.5°	1781.6	1811.1
90°	1782.6	1789.5
92.5°	1781.6	1811.1
95°	1789.6	1806.2
97.5°	1788.7	1791.4
100°	1774.9	1773.8
102.5°	1755.2	1762.0
105°	1730.7	1737.5
107.5°	1702.1	1708.1
110°	1665.3	1669.9



TEST NUMBER: P231977

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CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1628.2	1629.7
115°	1589.8	1596.3
117.5°	1540.4	1544.4
120°	1476.4	1474.7
122.5°	1410.3	1408.1
125°	1332.4	1333.5
127.5°	1217.8	1226.7
130°	1068.8	1084.5
132.5°	913.6	928.6
135°	756.7	766.8
137.5°	623.7	630.5
140°	507.2	510.9
142.5°	417.1	418.7
145°	336.8	336.3
147.5°	272.6	270.6
150°	216.9	213.8
152.5°	177.2	173.6
155°	148.5	145.1
157.5°	136.6	134.3
160°	126.8	125.5
162.5°	125.9	125.5
165°	112.9	112.8
167.5°	90.5	90.2
170°	66.2	65.7
172.5°	50.4	50.0
175°	28.7	28.4
177.5°	12.9	12.7
180°	1.0	1.0

(END OF REPORT)