

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: P231978

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-40-1HI-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH PA187 LENS
Light Source: (84) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

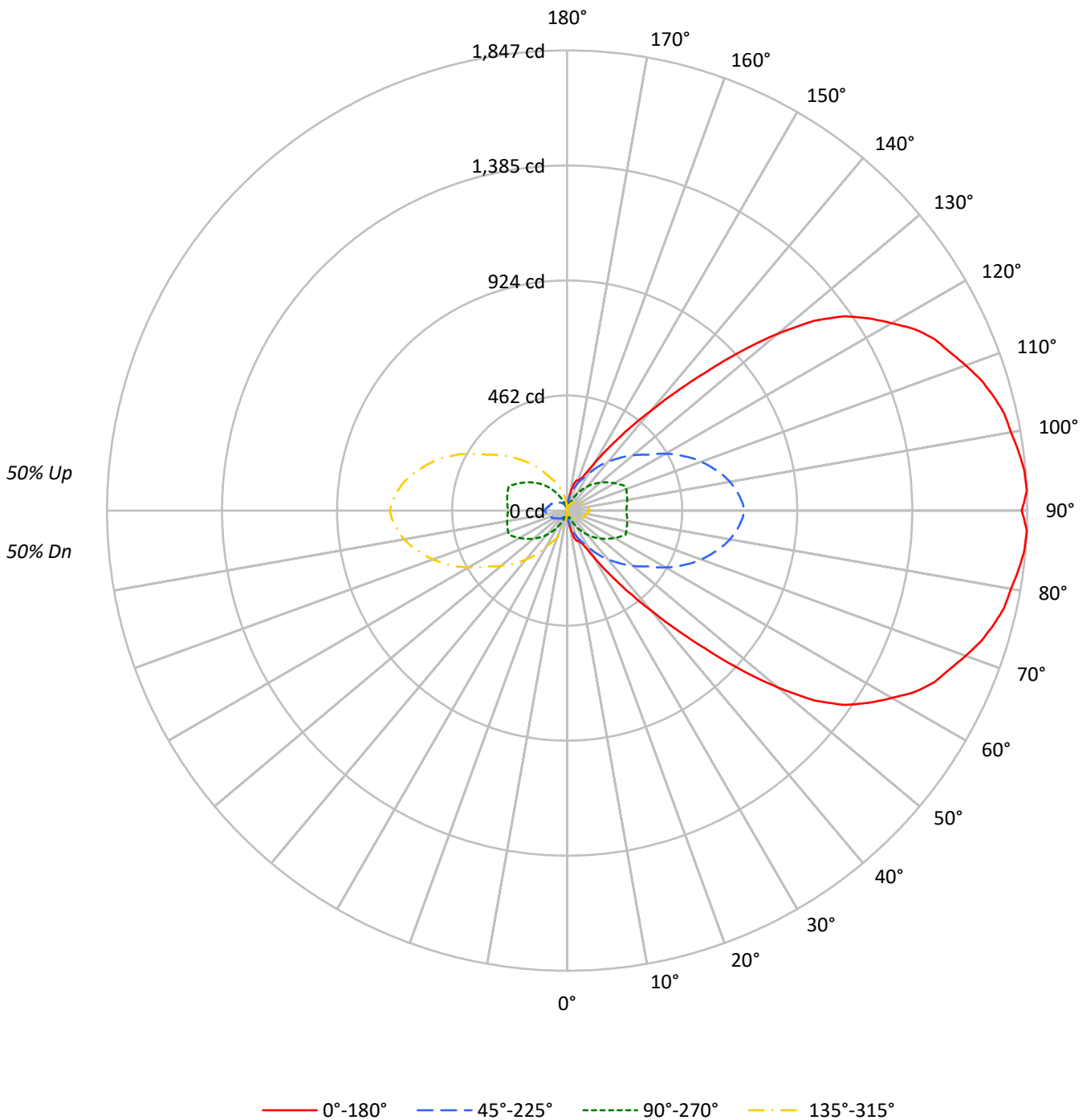
Lumens per Lamp: N/A
Luminaire Lumens: 4305.9 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 24.39 / 15.58 / 16.47
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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





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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°	385	139	0	139
10°	796	264	0	264
15°	1246	394	0	394
20°	1284	530	0	530
25°	1391	816	0	816
30°	1942	1268	0	1268
35°	2926	1770	9	1770
40°	4293	2342	8	2342
45°	6279	3007	8	3007
50°	8724	3747	8	3747
55°	10621	4660	8	4660
60°	11718	5830	8	5830
65°	12751	7389	8	7389
70°	13513	9099	8	9099
75°	14358	11108	8	11108
80°	15091	14534	0	14534
85°	15960	21540	0	21540



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.0
10°-20°	13.7	0.3
20°-30°	36.5	0.8
30°-40°	84.8	2.0
40°-50°	169.7	3.9
50°-60°	302.6	7.0
60°-70°	437.1	10.2
70°-80°	529.7	12.3
80°-90°	577.0	13.4
90°-100°	577.0	13.4
100°-110°	529.7	12.3
110°-120°	437.1	10.2
120°-130°	302.6	7.0
130°-140°	169.7	3.9
140°-150°	84.8	2.0
150°-160°	36.5	0.8
160°-170°	13.7	0.3
170°-180°	1.9	0.0
0°-30°	52.1	1.2
0°-40°	136.9	3.2
0°-60°	609.2	14.1
0°-90°	2152.9	50.0
90°-120°	1543.8	35.9
90°-150°	2100.8	48.8
90°-180°	2153.0	50.0
0°-180°	4305.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	29	9	0	9	29	4
15°	115	26	0	26	115	32
25°	148	51	0	51	148	75
35°	343	101	1	101	343	226
45°	782	152	1	152	782	623
55°	1360	197	1	197	1360	1204
65°	1628	243	1	243	1628	1606
75°	1772	248	1	248	1772	1870
85°	1842	241	0	241	1842	1497
90°	1825	237	0	237	1825	1006
95°	1842	241	0	241	1842	1497
105°	1772	248	1	248	1772	1870
115°	1628	243	1	243	1628	1606
125°	1360	197	1	197	1360	1204
135°	782	152	1	152	782	623
145°	343	101	1	101	343	226
155°	148	51	0	51	148	75
165°	115	26	0	26	115	32
175°	29	9	0	9	29	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°	13.0	13.2	13.3	13.5	13.7	13.9	14.0	13.6	13.6	13.6	13.6
5°	29.0	29.3	29.7	30.0	30.4	29.9	29.9	29.9	29.7	29.6	29.3
7.5°	51.0	51.4	51.8	52.2	51.6	51.4	51.2	50.8	50.3	49.6	48.9
10°	67.0	67.5	68.0	68.5	68.0	68.0	67.8	67.5	67.1	66.6	65.9
12.5°	92.0	92.3	92.7	92.0	91.5	90.9	90.0	89.0	87.8	86.4	84.8
15°	115.0	115.1	115.3	114.3	113.5	112.6	111.4	110.0	108.4	106.7	104.7
17.5°	128.0	128.4	128.8	128.3	128.0	127.5	126.8	125.8	124.6	123.2	121.6
20°	128.0	129.4	130.7	131.9	133.0	133.9	134.6	135.0	135.1	134.9	134.3
22.5°	137.0	139.3	141.7	143.1	144.6	145.7	146.5	146.8	146.7	146.1	144.9
25°	148.0	151.5	154.4	157.1	159.5	161.3	162.7	163.6	163.8	163.4	162.4
27.5°	177.0	180.6	183.0	185.0	186.4	187.1	187.3	186.9	185.8	184.3	182.9
30°	218.0	221.2	222.4	223.2	223.2	222.3	220.7	218.4	215.5	212.1	209.5
32.5°	276.0	278.1	277.0	275.4	272.6	268.7	263.7	257.9	251.4	245.3	240.4
35°	343.0	343.5	340.2	336.1	330.5	323.5	315.3	306.0	295.8	286.5	277.2
37.5°	427.0	425.4	418.4	410.6	400.6	388.8	375.4	360.6	345.3	332.3	318.6
40°	521.0	517.3	507.0	495.4	481.2	464.5	445.7	425.0	404.5	384.9	364.6
42.5°	643.0	636.1	619.9	602.1	580.6	555.8	528.3	498.3	471.7	444.7	416.7
45°	782.0	771.7	749.8	725.7	697.0	664.2	627.6	592.4	552.1	514.1	476.7
47.5°	947.0	931.7	901.7	869.0	830.7	787.5	740.1	691.7	644.1	594.6	551.5
50°	1106.0	1090.0	1057.5	1021.1	976.8	924.9	865.8	805.9	745.5	687.4	634.9
52.5°	1251.1	1242.0	1214.6	1180.9	1135.6	1078.0	1007.7	936.4	861.5	789.6	724.4
55°	1360.1	1359.0	1342.2	1319.2	1285.4	1239.7	1178.5	1091.7	993.3	904.7	819.5
57.5°	1436.1	1438.4	1429.3	1416.5	1396.8	1370.1	1323.9	1234.3	1142.9	1027.8	922.3
60°	1504.1	1505.8	1497.5	1487.2	1472.4	1453.8	1409.8	1338.7	1247.7	1140.7	1028.9
62.5°	1575.1	1571.0	1561.8	1548.5	1532.0	1513.1	1473.3	1413.8	1330.5	1232.6	1117.4
65°	1628.1	1621.5	1610.9	1597.2	1581.3	1565.6	1536.7	1491.1	1410.9	1308.6	1192.2
67.5°	1662.1	1660.6	1653.9	1640.8	1620.8	1606.8	1592.5	1560.7	1501.0	1395.8	1267.2
70°	1703.1	1698.4	1690.0	1679.2	1667.5	1648.3	1628.6	1609.9	1575.1	1485.5	1347.3
72.5°	1742.1	1736.0	1725.0	1710.0	1695.4	1679.3	1661.3	1641.3	1611.3	1535.7	1413.3
75°	1772.1	1765.2	1754.0	1738.2	1719.3	1701.4	1683.8	1666.9	1642.9	1575.6	1457.5
77.5°	1797.1	1790.1	1778.3	1757.2	1735.5	1715.7	1705.0	1690.9	1667.7	1616.7	1499.2
80°	1809.1	1810.2	1798.2	1770.3	1745.5	1732.6	1718.6	1713.0	1692.6	1655.2	1534.9
82.5°	1827.1	1824.3	1807.7	1785.3	1766.0	1751.2	1732.0	1722.7	1708.1	1669.1	1568.9
85°	1842.1	1825.2	1801.8	1797.4	1784.0	1768.5	1744.6	1727.0	1714.7	1677.9	1592.5
87.5°	1847.1	1817.0	1818.9	1804.8	1782.7	1771.0	1749.3	1731.7	1719.5	1684.3	1603.4
90°	1825.1	1818.1	1819.1	1798.1	1770.1	1768.1	1749.1	1736.1	1721.1	1685.1	1599.1
92.5°	1847.1	1817.0	1818.9	1804.8	1782.7	1771.0	1749.3	1731.7	1719.5	1684.3	1603.4
95°	1842.1	1825.2	1801.8	1797.4	1784.0	1768.5	1744.6	1727.0	1714.7	1677.9	1592.5
97.5°	1827.1	1824.3	1807.7	1785.3	1766.0	1751.2	1732.0	1722.7	1708.1	1669.1	1568.9
100°	1809.1	1810.2	1798.2	1770.3	1745.5	1732.6	1718.6	1713.0	1692.6	1655.2	1534.9
102.5°	1797.1	1790.1	1778.3	1757.2	1735.5	1715.7	1705.0	1690.9	1667.7	1616.7	1499.2
105°	1772.1	1765.2	1754.0	1738.2	1719.3	1701.4	1683.8	1666.9	1642.9	1575.6	1457.5
107.5°	1742.1	1736.0	1725.0	1710.0	1695.4	1679.3	1661.3	1641.3	1611.3	1535.7	1413.3
110°	1703.1	1698.4	1690.0	1679.2	1667.5	1648.3	1628.6	1609.9	1575.1	1485.5	1347.3



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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°	1662.1	1660.6	1653.9	1640.8	1620.8	1606.8	1592.5	1560.7	1501.0	1395.8	1267.2
115°	1628.1	1621.5	1610.9	1597.2	1581.3	1565.6	1536.7	1491.1	1410.9	1308.6	1192.2
117.5°	1575.1	1571.0	1561.8	1548.5	1532.0	1513.1	1473.3	1413.8	1330.5	1232.6	1117.4
120°	1504.1	1505.8	1497.5	1487.2	1472.4	1453.8	1409.8	1338.7	1247.7	1140.7	1028.9
122.5°	1436.1	1438.4	1429.3	1416.5	1396.8	1370.1	1323.9	1234.3	1142.9	1027.8	922.3
125°	1360.1	1359.0	1342.2	1319.2	1285.4	1239.7	1178.5	1091.7	993.3	904.7	819.5
127.5°	1251.1	1242.0	1214.6	1180.9	1135.6	1078.0	1007.7	936.4	861.5	789.6	724.4
130°	1106.0	1090.0	1057.5	1021.1	976.8	924.9	865.8	805.9	745.5	687.4	634.9
132.5°	947.0	931.7	901.7	869.0	830.7	787.5	740.1	691.7	644.1	594.6	551.5
135°	782.0	771.7	749.8	725.7	697.0	664.2	627.6	592.4	552.1	514.1	476.7
137.5°	643.0	636.1	619.9	602.1	580.6	555.8	528.3	498.3	471.7	444.7	416.7
140°	521.0	517.3	507.0	495.4	481.2	464.5	445.7	425.0	404.5	384.9	364.6
142.5°	427.0	425.4	418.4	410.6	400.6	388.8	375.4	360.6	345.3	332.3	318.6
145°	343.0	343.5	340.2	336.1	330.5	323.5	315.3	306.0	295.8	286.5	277.2
147.5°	276.0	278.1	277.0	275.4	272.6	268.7	263.7	257.9	251.4	245.3	240.4
150°	218.0	221.2	222.4	223.2	223.2	222.3	220.7	218.4	215.5	212.1	209.5
152.5°	177.0	180.6	183.0	185.0	186.4	187.1	187.3	186.9	185.8	184.3	182.9
155°	148.0	151.5	154.4	157.1	159.5	161.3	162.7	163.6	163.8	163.4	162.4
157.5°	137.0	139.3	141.7	143.1	144.6	145.7	146.5	146.8	146.7	146.1	144.9
160°	128.0	129.4	130.7	131.9	133.0	133.9	134.6	135.0	135.1	134.9	134.3
162.5°	128.0	128.4	128.8	128.3	128.0	127.5	126.8	125.8	124.6	123.2	121.6
165°	115.0	115.1	115.3	114.3	113.5	112.6	111.4	110.0	108.4	106.7	104.7
167.5°	92.0	92.3	92.7	92.0	91.5	90.9	90.0	89.0	87.8	86.4	84.8
170°	67.0	67.5	68.0	68.5	68.0	68.0	67.8	67.5	67.1	66.6	65.9
172.5°	51.0	51.4	51.8	52.2	51.6	51.4	51.2	50.8	50.3	49.6	48.9
175°	29.0	29.3	29.7	30.0	30.4	29.9	29.9	29.9	29.7	29.6	29.3
177.5°	13.0	13.2	13.3	13.5	13.7	13.9	14.0	13.6	13.6	13.6	13.6
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°	13.5	13.4	13.3	13.1	13.0	12.8	12.6	12.3	12.1	11.8	11.5
5°	29.0	28.6	28.2	27.7	27.2	26.6	25.9	25.2	24.5	23.6	22.8
7.5°	48.1	47.2	46.2	45.0	43.8	42.5	41.1	39.7	38.1	36.8	35.5
10°	65.2	64.3	63.3	62.2	61.0	59.7	58.0	56.0	54.0	51.8	49.6
12.5°	83.1	81.3	79.3	77.2	75.2	73.5	71.7	69.8	67.8	65.7	63.4
15°	102.6	100.4	98.0	95.3	92.5	89.7	86.7	83.6	80.4	77.8	75.1
17.5°	119.7	117.6	114.8	111.7	108.5	105.2	101.7	98.2	94.5	90.8	87.1
20°	133.3	131.3	128.7	125.8	122.6	119.2	115.3	111.3	107.2	103.0	98.9
22.5°	143.7	142.6	141.0	138.7	135.9	132.2	128.0	123.5	118.8	114.1	109.4
25°	161.0	158.9	156.2	152.7	149.3	145.6	141.2	136.1	130.7	124.9	119.5
27.5°	181.5	179.2	176.1	172.3	167.8	162.5	157.3	150.7	144.1	136.9	130.1
30°	206.4	202.8	199.3	194.7	189.5	183.4	176.6	168.8	161.3	154.7	147.8
32.5°	235.0	229.3	224.2	219.1	213.5	206.9	199.1	191.0	182.9	174.5	166.9
35°	267.4	258.3	251.4	244.2	237.1	230.0	222.3	213.4	204.2	195.0	185.7
37.5°	304.6	292.6	281.0	271.0	261.6	252.6	244.0	235.1	225.4	215.0	204.9
40°	345.2	329.3	314.4	301.1	288.3	276.5	266.2	255.8	245.7	234.9	223.6
42.5°	392.5	371.3	350.9	334.2	318.6	303.1	288.9	277.2	265.4	254.1	242.2
45°	447.8	418.1	393.0	369.1	349.0	330.6	314.4	298.6	285.7	272.7	260.2
47.5°	510.6	471.3	438.6	407.7	382.1	359.2	339.7	322.4	305.8	291.6	277.7
50°	581.1	533.4	487.5	450.6	417.6	389.3	365.3	345.2	327.3	310.5	295.1
52.5°	659.6	600.5	544.6	495.6	454.8	420.4	391.6	367.9	348.7	329.6	316.6
55°	743.0	670.6	606.0	545.2	494.0	452.4	417.5	390.9	372.5	356.2	343.1
57.5°	830.3	744.4	667.5	598.9	536.6	485.1	451.5	423.9	400.1	381.7	367.3
60°	917.8	820.1	730.2	650.4	585.8	531.1	487.1	456.7	430.1	407.7	390.5
62.5°	1002.1	891.3	794.9	711.1	636.9	573.8	524.8	488.6	460.3	432.9	412.6
65°	1070.8	962.8	860.3	767.8	687.4	617.7	560.0	516.5	489.3	460.0	436.3
67.5°	1143.6	1030.4	922.1	821.5	732.5	655.8	593.5	546.6	514.9	487.2	459.2
70°	1213.9	1089.8	979.1	867.7	774.3	693.7	626.0	573.3	537.4	513.4	481.3
72.5°	1272.3	1141.8	1021.6	910.0	809.6	725.1	653.1	597.5	557.7	536.5	503.1
75°	1318.2	1184.2	1058.0	943.3	836.5	751.2	678.6	620.9	580.3	553.4	520.3
77.5°	1346.5	1214.1	1086.4	972.6	866.4	777.5	703.8	644.3	600.9	570.3	537.3
80°	1378.5	1243.1	1119.0	1000.4	891.8	798.1	723.9	663.9	619.4	587.2	553.8
82.5°	1410.5	1267.7	1143.3	1020.7	910.4	813.2	739.4	680.0	636.0	603.6	569.5
85°	1426.2	1282.5	1158.7	1033.4	922.5	823.3	750.7	693.1	650.8	619.4	584.2
87.5°	1426.7	1292.2	1169.6	1042.2	931.1	830.5	759.7	704.5	664.7	635.0	598.4
90°	1414.1	1283.1	1163.0	1037.0	928.0	830.0	763.0	712.0	676.0	648.0	609.0
92.5°	1426.7	1292.2	1169.6	1042.2	931.1	830.5	759.7	704.5	664.7	635.0	598.4
95°	1426.2	1282.5	1158.7	1033.4	922.5	823.3	750.7	693.1	650.8	619.4	584.2
97.5°	1410.5	1267.7	1143.3	1020.7	910.4	813.2	739.4	680.0	636.0	603.6	569.5
100°	1378.5	1243.1	1119.0	1000.4	891.8	798.1	723.9	663.9	619.4	587.2	553.8
102.5°	1346.5	1214.1	1086.4	972.6	866.4	777.5	703.8	644.3	600.9	570.3	537.3
105°	1318.2	1184.2	1058.0	943.3	836.5	751.2	678.6	620.9	580.3	553.4	520.3
107.5°	1272.3	1141.8	1021.6	910.0	809.6	725.1	653.1	597.5	557.7	536.5	503.1
110°	1213.9	1089.8	979.1	867.7	774.3	693.7	626.0	573.3	537.4	513.4	481.3



TEST NUMBER: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	1143.6	1030.4	922.1	821.5	732.5	655.8	593.5	546.6	514.9	487.2	459.2
115°	1070.8	962.8	860.3	767.8	687.4	617.7	560.0	516.5	489.3	460.0	436.3
117.5°	1002.1	891.3	794.9	711.1	636.9	573.8	524.8	488.6	460.3	432.9	412.6
120°	917.8	820.1	730.2	650.4	585.8	531.1	487.1	456.7	430.1	407.7	390.5
122.5°	830.3	744.4	667.5	598.9	536.6	485.1	451.5	423.9	400.1	381.7	367.3
125°	743.0	670.6	606.0	545.2	494.0	452.4	417.5	390.9	372.5	356.2	343.1
127.5°	659.6	600.5	544.6	495.6	454.8	420.4	391.6	367.9	348.7	329.6	316.6
130°	581.1	533.4	487.5	450.6	417.6	389.3	365.3	345.2	327.3	310.5	295.1
132.5°	510.6	471.3	438.6	407.7	382.1	359.2	339.7	322.4	305.8	291.6	277.7
135°	447.8	418.1	393.0	369.1	349.0	330.6	314.4	298.6	285.7	272.7	260.2
137.5°	392.5	371.3	350.9	334.2	318.6	303.1	288.9	277.2	265.4	254.1	242.2
140°	345.2	329.3	314.4	301.1	288.3	276.5	266.2	255.8	245.7	234.9	223.6
142.5°	304.6	292.6	281.0	271.0	261.6	252.6	244.0	235.1	225.4	215.0	204.9
145°	267.4	258.3	251.4	244.2	237.1	230.0	222.3	213.4	204.2	195.0	185.7
147.5°	235.0	229.3	224.2	219.1	213.5	206.9	199.1	191.0	182.9	174.5	166.9
150°	206.4	202.8	199.3	194.7	189.5	183.4	176.6	168.8	161.3	154.7	147.8
152.5°	181.5	179.2	176.1	172.3	167.8	162.5	157.3	150.7	144.1	136.9	130.1
155°	161.0	158.9	156.2	152.7	149.3	145.6	141.2	136.1	130.7	124.9	119.5
157.5°	143.7	142.6	141.0	138.7	135.9	132.2	128.0	123.5	118.8	114.1	109.4
160°	133.3	131.3	128.7	125.8	122.6	119.2	115.3	111.3	107.2	103.0	98.9
162.5°	119.7	117.6	114.8	111.7	108.5	105.2	101.7	98.2	94.5	90.8	87.1
165°	102.6	100.4	98.0	95.3	92.5	89.7	86.7	83.6	80.4	77.8	75.1
167.5°	83.1	81.3	79.3	77.2	75.2	73.5	71.7	69.8	67.8	65.7	63.4
170°	65.2	64.3	63.3	62.2	61.0	59.7	58.0	56.0	54.0	51.8	49.6
172.5°	48.1	47.2	46.2	45.0	43.8	42.5	41.1	39.7	38.1	36.8	35.5
175°	29.0	28.6	28.2	27.7	27.2	26.6	25.9	25.2	24.5	23.6	22.8
177.5°	13.5	13.4	13.3	13.1	13.0	12.8	12.6	12.3	12.1	11.8	11.5
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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	11.2	10.9	10.5	10.1	9.8	9.4	8.9	8.5	8.0	7.6	7.1
5°	21.9	20.9	19.9	19.2	18.4	17.6	16.8	15.9	15.0	14.1	13.2
7.5°	34.1	32.7	31.2	29.7	28.0	26.4	24.7	23.3	22.0	20.6	19.2
10°	47.3	44.8	42.5	40.3	38.2	36.0	33.7	31.3	28.9	27.0	25.2
12.5°	60.6	57.7	54.7	51.6	48.5	45.5	42.6	39.7	36.7	33.7	31.1
15°	72.3	69.3	66.7	62.7	59.0	55.3	51.5	48.0	44.5	40.8	37.1
17.5°	83.7	79.9	76.4	72.7	68.8	64.7	60.5	56.2	52.1	47.9	43.6
20°	94.7	90.5	86.3	82.1	77.8	73.4	68.9	64.3	59.6	54.9	50.0
22.5°	104.8	100.2	95.8	91.3	86.6	81.7	76.6	71.8	66.8	61.8	56.4
25°	114.0	109.0	104.1	99.5	96.2	92.4	88.1	83.7	79.3	74.7	69.5
27.5°	124.9	120.9	117.6	114.2	110.9	107.5	103.1	98.5	93.8	88.9	83.6
30°	142.2	136.7	132.2	128.7	125.1	121.5	117.7	113.0	108.4	102.9	97.6
32.5°	159.3	152.8	147.1	142.5	138.8	135.2	131.4	127.0	122.1	116.8	111.0
35°	177.2	168.9	162.2	156.2	152.0	148.3	144.6	140.9	135.7	130.4	124.5
37.5°	194.8	185.7	176.8	170.4	164.9	161.0	157.3	153.5	149.0	143.9	137.8
40°	212.6	201.9	192.5	183.7	177.8	173.1	169.7	166.0	161.8	157.0	151.0
42.5°	229.9	218.5	207.5	197.9	190.4	184.7	181.5	178.1	174.3	169.7	164.1
45°	247.3	234.4	222.7	212.0	202.4	196.8	192.8	189.9	186.3	182.1	177.0
47.5°	264.0	250.4	237.5	226.2	215.5	210.1	208.9	209.1	209.0	207.3	202.8
50°	280.5	266.9	257.8	250.9	245.0	240.5	238.2	237.6	238.1	237.8	232.0
52.5°	305.8	296.9	288.8	281.9	276.2	271.3	268.2	266.3	266.4	268.9	261.2
55°	332.6	324.7	317.9	311.6	306.7	302.3	298.3	295.2	294.1	299.0	290.8
57.5°	357.1	350.3	345.5	340.2	336.3	332.6	328.5	324.2	321.5	327.9	320.7
60°	379.0	373.9	370.6	367.5	364.8	362.3	358.9	353.4	350.1	356.3	350.9
62.5°	400.5	395.6	394.3	393.4	392.3	391.4	389.0	383.2	378.7	384.4	381.3
65°	421.2	415.4	416.3	418.1	418.9	419.7	418.5	412.9	407.3	412.0	411.9
67.5°	440.4	433.3	436.8	441.4	444.5	447.2	447.6	442.7	436.1	439.3	442.7
70°	458.9	451.4	456.1	462.3	465.3	466.8	466.1	461.1	454.0	453.0	451.0
72.5°	476.2	463.6	463.7	468.5	472.3	474.4	474.5	471.8	467.4	464.8	456.7
75°	489.1	472.9	470.4	474.7	479.2	481.9	482.6	481.7	480.3	477.8	462.9
77.5°	501.3	482.1	477.4	481.0	486.0	489.4	490.6	491.1	492.8	491.8	469.4
80°	512.6	490.9	484.6	487.4	492.8	496.9	498.4	500.1	505.0	506.5	476.1
82.5°	523.2	499.6	492.1	493.9	499.5	504.4	506.1	508.7	517.1	521.6	485.1
85°	532.9	508.0	499.6	500.5	506.3	511.9	513.6	516.8	528.8	537.9	490.4
87.5°	542.3	516.2	507.3	507.1	513.0	519.4	521.3	525.4	540.9	552.4	495.7
90°	550.0	524.0	515.0	514.0	520.0	527.0	529.0	534.0	553.0	567.0	501.0
92.5°	542.3	516.2	507.3	507.1	513.0	519.4	521.3	525.4	540.9	552.4	495.7
95°	532.9	508.0	499.6	500.5	506.3	511.9	513.6	516.8	528.8	537.9	490.4
97.5°	523.2	499.6	492.1	493.9	499.5	504.4	506.1	508.7	517.1	521.6	485.1
100°	512.6	490.9	484.6	487.4	492.8	496.9	498.4	500.1	505.0	506.5	476.1
102.5°	501.3	482.1	477.4	481.0	486.0	489.4	490.6	491.1	492.8	491.8	469.4
105°	489.1	472.9	470.4	474.7	479.2	481.9	482.6	481.7	480.3	477.8	462.9
107.5°	476.2	463.6	463.7	468.5	472.3	474.4	474.5	471.8	467.4	464.8	456.7
110°	458.9	451.4	456.1	462.3	465.3	466.8	466.1	461.1	454.0	453.0	451.0



TEST NUMBER: P231978

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	440.4	433.3	436.8	441.4	444.5	447.2	447.6	442.7	436.1	439.3	442.7
115°	421.2	415.4	416.3	418.1	418.9	419.7	418.5	412.9	407.3	412.0	411.9
117.5°	400.5	395.6	394.3	393.4	392.3	391.4	389.0	383.2	378.7	384.4	381.3
120°	379.0	373.9	370.6	367.5	364.8	362.3	358.9	353.4	350.1	356.3	350.9
122.5°	357.1	350.3	345.5	340.2	336.3	332.6	328.5	324.2	321.5	327.9	320.7
125°	332.6	324.7	317.9	311.6	306.7	302.3	298.3	295.2	294.1	299.0	290.8
127.5°	305.8	296.9	288.8	281.9	276.2	271.3	268.2	266.3	266.4	268.9	261.2
130°	280.5	266.9	257.8	250.9	245.0	240.5	238.2	237.6	238.1	237.8	232.0
132.5°	264.0	250.4	237.5	226.2	215.5	210.1	208.9	209.1	209.0	207.3	202.8
135°	247.3	234.4	222.7	212.0	202.4	196.8	192.8	189.9	186.3	182.1	177.0
137.5°	229.9	218.5	207.5	197.9	190.4	184.7	181.5	178.1	174.3	169.7	164.1
140°	212.6	201.9	192.5	183.7	177.8	173.1	169.7	166.0	161.8	157.0	151.0
142.5°	194.8	185.7	176.8	170.4	164.9	161.0	157.3	153.5	149.0	143.9	137.8
145°	177.2	168.9	162.2	156.2	152.0	148.3	144.6	140.9	135.7	130.4	124.5
147.5°	159.3	152.8	147.1	142.5	138.8	135.2	131.4	127.0	122.1	116.8	111.0
150°	142.2	136.7	132.2	128.7	125.1	121.5	117.7	113.0	108.4	102.9	97.6
152.5°	124.9	120.9	117.6	114.2	110.9	107.5	103.1	98.5	93.8	88.9	83.6
155°	114.0	109.0	104.1	99.5	96.2	92.4	88.1	83.7	79.3	74.7	69.5
157.5°	104.8	100.2	95.8	91.3	86.6	81.7	76.6	71.8	66.8	61.8	56.4
160°	94.7	90.5	86.3	82.1	77.8	73.4	68.9	64.3	59.6	54.9	50.0
162.5°	83.7	79.9	76.4	72.7	68.8	64.7	60.5	56.2	52.1	47.9	43.6
165°	72.3	69.3	66.7	62.7	59.0	55.3	51.5	48.0	44.5	40.8	37.1
167.5°	60.6	57.7	54.7	51.6	48.5	45.5	42.6	39.7	36.7	33.7	31.1
170°	47.3	44.8	42.5	40.3	38.2	36.0	33.7	31.3	28.9	27.0	25.2
172.5°	34.1	32.7	31.2	29.7	28.0	26.4	24.7	23.3	22.0	20.6	19.2
175°	21.9	20.9	19.9	19.2	18.4	17.6	16.8	15.9	15.0	14.1	13.2
177.5°	11.2	10.9	10.5	10.1	9.8	9.4	8.9	8.5	8.0	7.6	7.1
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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	6.6	6.1	5.6	5.1	5.1	5.0	4.9	4.9	4.8	4.7	4.6
5°	12.2	11.2	10.2	9.2	9.1	9.0	8.8	8.7	8.5	8.3	8.1
7.5°	17.8	16.3	14.8	13.3	13.1	12.9	12.7	12.5	12.2	11.9	11.6
10°	23.3	21.4	19.4	17.4	17.2	16.9	16.6	16.2	15.8	15.5	15.4
12.5°	28.8	26.4	24.0	21.6	21.2	20.8	20.4	19.9	19.6	19.5	19.4
15°	34.2	31.4	28.6	25.7	25.2	24.7	24.2	23.7	23.6	23.6	23.4
17.5°	39.6	36.4	33.1	29.8	29.2	28.6	28.0	27.8	27.8	27.7	27.5
20°	45.1	41.4	37.7	33.9	33.2	32.5	31.7	31.9	31.9	31.9	31.5
22.5°	50.9	46.3	42.2	38.0	37.2	36.3	35.9	36.0	36.1	35.9	35.4
25°	64.1	59.1	55.0	50.7	50.1	49.3	48.9	48.8	48.1	46.5	44.8
27.5°	77.7	72.0	67.8	63.3	63.1	62.6	62.8	62.9	61.6	59.6	57.1
30°	91.3	84.9	80.5	76.0	76.2	76.2	76.8	77.2	74.8	72.2	68.3
32.5°	104.7	98.0	93.3	88.7	89.4	89.9	90.9	90.7	87.7	83.8	78.7
35°	118.0	111.0	105.9	101.3	102.6	103.8	105.2	104.0	100.3	94.6	88.2
37.5°	131.2	124.0	118.5	114.0	115.9	117.7	119.6	117.1	112.8	104.6	96.3
40°	144.4	136.9	131.1	126.7	129.2	131.7	134.0	129.9	123.5	114.0	103.6
42.5°	157.3	149.7	143.6	139.3	142.6	145.8	148.5	142.6	133.9	123.2	110.0
45°	170.1	162.4	156.1	152.0	156.1	159.9	161.7	155.1	143.8	130.3	115.7
47.5°	193.3	182.0	171.3	163.3	163.8	165.1	164.5	157.6	145.6	132.1	118.1
50°	218.5	202.5	186.8	174.7	171.2	169.6	166.0	157.5	144.7	130.8	117.6
52.5°	244.6	223.5	202.5	186.0	178.3	173.6	167.3	157.0	144.0	130.0	117.8
55°	271.3	245.2	218.5	197.3	185.1	177.3	168.4	156.7	143.4	129.6	118.6
57.5°	298.8	267.3	234.7	208.7	191.6	180.7	169.4	156.6	143.1	129.8	119.9
60°	326.8	289.8	251.0	220.0	198.0	183.8	170.3	156.6	143.2	131.0	122.3
62.5°	355.3	312.8	267.6	231.3	204.2	186.6	171.1	156.7	143.6	132.6	125.9
65°	384.3	336.0	284.2	242.7	210.2	189.3	171.8	157.0	144.2	134.6	130.2
67.5°	413.6	359.4	301.0	254.0	216.1	191.7	172.5	157.4	145.2	136.9	135.0
70°	416.3	359.5	300.2	252.1	214.5	190.2	170.8	156.0	144.3	136.9	136.7
72.5°	416.8	358.5	299.1	250.2	213.0	188.6	169.1	154.5	143.1	136.0	136.0
75°	417.1	357.2	299.7	248.3	211.6	187.1	167.4	153.0	142.0	135.1	135.2
77.5°	417.0	355.6	297.9	246.4	210.3	185.6	165.9	151.7	141.0	134.2	134.2
80°	416.7	355.6	296.1	244.6	209.1	184.3	164.5	150.6	140.2	133.4	133.1
82.5°	417.7	352.7	294.3	242.7	208.0	183.1	163.2	149.5	139.5	132.7	131.9
85°	415.8	349.8	292.6	240.8	206.9	182.0	162.0	148.6	138.9	132.1	130.6
87.5°	413.9	346.9	290.8	238.9	205.9	180.9	161.0	147.7	138.4	131.5	129.3
90°	412.0	344.0	289.0	237.0	205.0	180.0	160.0	147.0	138.0	131.0	128.0
92.5°	413.9	346.9	290.8	238.9	205.9	180.9	161.0	147.7	138.4	131.5	129.3
95°	415.8	349.8	292.6	240.8	206.9	182.0	162.0	148.6	138.9	132.1	130.6
97.5°	417.7	352.7	294.3	242.7	208.0	183.1	163.2	149.5	139.5	132.7	131.9
100°	416.7	355.6	296.1	244.6	209.1	184.3	164.5	150.6	140.2	133.4	133.1
102.5°	417.0	355.6	297.9	246.4	210.3	185.6	165.9	151.7	141.0	134.2	134.2
105°	417.1	357.2	299.7	248.3	211.6	187.1	167.4	153.0	142.0	135.1	135.2
107.5°	416.8	358.5	299.1	250.2	213.0	188.6	169.1	154.5	143.1	136.0	136.0
110°	416.3	359.5	300.2	252.1	214.5	190.2	170.8	156.0	144.3	136.9	136.7



TEST NUMBER: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	413.6	359.4	301.0	254.0	216.1	191.7	172.5	157.4	145.2	136.9	135.0
115°	384.3	336.0	284.2	242.7	210.2	189.3	171.8	157.0	144.2	134.6	130.2
117.5°	355.3	312.8	267.6	231.3	204.2	186.6	171.1	156.7	143.6	132.6	125.9
120°	326.8	289.8	251.0	220.0	198.0	183.8	170.3	156.6	143.2	131.0	122.3
122.5°	298.8	267.3	234.7	208.7	191.6	180.7	169.4	156.6	143.1	129.8	119.9
125°	271.3	245.2	218.5	197.3	185.1	177.3	168.4	156.7	143.4	129.6	118.6
127.5°	244.6	223.5	202.5	186.0	178.3	173.6	167.3	157.0	144.0	130.0	117.8
130°	218.5	202.5	186.8	174.7	171.2	169.6	166.0	157.5	144.7	130.8	117.6
132.5°	193.3	182.0	171.3	163.3	163.8	165.1	164.5	157.6	145.6	132.1	118.1
135°	170.1	162.4	156.1	152.0	156.1	159.9	161.7	155.1	143.8	130.3	115.7
137.5°	157.3	149.7	143.6	139.3	142.6	145.8	148.5	142.6	133.9	123.2	110.0
140°	144.4	136.9	131.1	126.7	129.2	131.7	134.0	129.9	123.5	114.0	103.6
142.5°	131.2	124.0	118.5	114.0	115.9	117.7	119.6	117.1	112.8	104.6	96.3
145°	118.0	111.0	105.9	101.3	102.6	103.8	105.2	104.0	100.3	94.6	88.2
147.5°	104.7	98.0	93.3	88.7	89.4	89.9	90.9	90.7	87.7	83.8	78.7
150°	91.3	84.9	80.5	76.0	76.2	76.2	76.8	77.2	74.8	72.2	68.3
152.5°	77.7	72.0	67.8	63.3	63.1	62.6	62.8	62.9	61.6	59.6	57.1
155°	64.1	59.1	55.0	50.7	50.1	49.3	48.9	48.8	48.1	46.5	44.8
157.5°	50.9	46.3	42.2	38.0	37.2	36.3	35.9	36.0	36.1	35.9	35.4
160°	45.1	41.4	37.7	33.9	33.2	32.5	31.7	31.9	31.9	31.9	31.5
162.5°	39.6	36.4	33.1	29.8	29.2	28.6	28.0	27.8	27.8	27.7	27.5
165°	34.2	31.4	28.6	25.7	25.2	24.7	24.2	23.7	23.6	23.6	23.4
167.5°	28.8	26.4	24.0	21.6	21.2	20.8	20.4	19.9	19.6	19.5	19.4
170°	23.3	21.4	19.4	17.4	17.2	16.9	16.6	16.2	15.8	15.5	15.4
172.5°	17.8	16.3	14.8	13.3	13.1	12.9	12.7	12.5	12.2	11.9	11.6
175°	12.2	11.2	10.2	9.2	9.1	9.0	8.8	8.7	8.5	8.3	8.1
177.5°	6.6	6.1	5.6	5.1	5.1	5.0	4.9	4.9	4.8	4.7	4.6
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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	4.5	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.5	3.3	3.1
5°	7.9	7.7	7.4	7.2	6.9	6.8	6.6	6.4	6.2	6.0	5.7
7.5°	11.3	11.1	11.0	10.8	10.6	10.3	10.0	9.8	9.5	9.1	8.7
10°	15.2	15.0	14.8	14.6	14.3	13.9	13.5	13.1	12.7	12.2	11.7
12.5°	19.2	19.0	18.7	18.3	17.9	17.4	16.9	16.4	15.8	15.3	14.7
15°	23.2	22.9	22.4	22.0	21.5	20.9	20.4	19.7	19.1	18.4	17.5
17.5°	27.1	26.7	26.2	25.7	25.1	24.5	23.8	23.0	22.1	21.1	20.2
20°	31.0	30.6	30.0	29.4	28.8	27.9	26.9	25.9	24.9	23.8	22.7
22.5°	35.0	34.4	33.8	33.1	32.1	31.0	29.9	28.8	27.6	26.4	25.4
25°	42.9	40.8	38.7	36.5	35.3	34.1	32.9	31.6	30.6	29.5	28.4
27.5°	54.2	51.2	47.8	44.7	41.8	39.1	36.7	34.9	33.8	32.4	30.9
30°	64.4	59.9	55.5	51.6	47.9	44.8	42.3	39.9	37.5	35.2	33.3
32.5°	73.2	67.4	62.1	57.3	53.2	49.8	46.6	43.5	40.7	38.3	36.1
35°	80.8	73.8	67.6	62.1	57.6	53.5	49.7	46.3	43.5	40.8	38.0
37.5°	87.4	79.4	72.0	66.4	61.1	56.4	52.3	48.9	45.7	42.5	39.7
40°	93.1	84.1	76.3	69.8	63.9	58.6	54.7	51.0	47.4	44.3	41.7
42.5°	98.4	87.9	79.9	72.6	66.0	61.1	56.8	52.7	49.2	46.3	43.6
45°	103.0	92.0	82.8	74.9	68.3	63.2	58.6	54.4	51.2	48.2	45.5
47.5°	105.7	95.2	85.4	76.6	70.6	65.1	60.2	56.5	53.2	50.2	47.4
50°	105.9	97.1	88.9	81.2	74.3	67.2	62.3	58.4	55.2	52.3	49.4
52.5°	107.9	100.3	93.9	88.1	82.0	75.3	68.7	62.7	57.4	54.6	51.2
55°	110.8	105.2	100.5	96.1	90.3	83.6	76.5	69.9	64.1	58.5	53.3
57.5°	114.6	111.2	108.3	104.8	99.3	91.6	83.9	76.7	70.0	63.3	58.0
60°	119.2	118.3	117.0	113.8	107.9	99.5	90.9	82.8	74.9	67.8	61.8
62.5°	124.8	126.4	126.5	123.4	116.2	106.9	97.4	88.2	79.2	71.7	64.6
65°	131.6	135.1	136.6	133.5	124.5	114.1	103.5	93.0	83.3	75.0	67.0
67.5°	139.0	144.3	146.3	143.0	132.7	121.0	109.1	97.4	87.2	77.8	69.0
70°	142.6	149.8	153.7	151.1	140.4	127.6	114.4	101.5	90.6	80.2	70.8
72.5°	141.6	148.6	152.6	150.0	141.5	130.4	117.7	105.2	93.8	82.5	72.4
75°	140.3	147.4	151.9	149.7	142.6	132.1	119.8	107.7	96.2	84.8	74.5
77.5°	138.8	146.2	151.4	150.2	144.5	134.4	122.3	110.6	98.8	87.3	76.8
80°	136.9	145.0	151.0	151.2	147.1	137.1	125.4	113.9	101.9	90.0	79.2
82.5°	134.9	143.7	150.8	152.6	150.2	140.3	128.9	117.6	105.3	93.1	81.9
85°	132.7	142.3	150.6	154.3	153.6	143.9	132.9	121.7	109.1	96.6	84.8
87.5°	130.4	140.7	150.4	156.2	157.3	147.8	137.3	126.1	113.3	100.6	88.2
90°	128.0	139.0	150.0	158.0	161.0	152.0	142.0	131.0	118.0	105.0	92.0
92.5°	130.4	140.7	150.4	156.2	157.3	147.8	137.3	126.1	113.3	100.6	88.2
95°	132.7	142.3	150.6	154.3	153.6	143.9	132.9	121.7	109.1	96.6	84.8
97.5°	134.9	143.7	150.8	152.6	150.2	140.3	128.9	117.6	105.3	93.1	81.9
100°	136.9	145.0	151.0	151.2	147.1	137.1	125.4	113.9	101.9	90.0	79.2
102.5°	138.8	146.2	151.4	150.2	144.5	134.4	122.3	110.6	98.8	87.3	76.8
105°	140.3	147.4	151.9	149.7	142.6	132.1	119.8	107.7	96.2	84.8	74.5
107.5°	141.6	148.6	152.6	150.0	141.5	130.4	117.7	105.2	93.8	82.5	72.4
110°	142.6	149.8	153.7	151.1	140.4	127.6	114.4	101.5	90.6	80.2	70.8



TEST NUMBER: P231978

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	139.0	144.3	146.3	143.0	132.7	121.0	109.1	97.4	87.2	77.8	69.0
115°	131.6	135.1	136.6	133.5	124.5	114.1	103.5	93.0	83.3	75.0	67.0
117.5°	124.8	126.4	126.5	123.4	116.2	106.9	97.4	88.2	79.2	71.7	64.6
120°	119.2	118.3	117.0	113.8	107.9	99.5	90.9	82.8	74.9	67.8	61.8
122.5°	114.6	111.2	108.3	104.8	99.3	91.6	83.9	76.7	70.0	63.3	58.0
125°	110.8	105.2	100.5	96.1	90.3	83.6	76.5	69.9	64.1	58.5	53.3
127.5°	107.9	100.3	93.9	88.1	82.0	75.3	68.7	62.7	57.4	54.6	51.2
130°	105.9	97.1	88.9	81.2	74.3	67.2	62.3	58.4	55.2	52.3	49.4
132.5°	105.7	95.2	85.4	76.6	70.6	65.1	60.2	56.5	53.2	50.2	47.4
135°	103.0	92.0	82.8	74.9	68.3	63.2	58.6	54.4	51.2	48.2	45.5
137.5°	98.4	87.9	79.9	72.6	66.0	61.1	56.8	52.7	49.2	46.3	43.6
140°	93.1	84.1	76.3	69.8	63.9	58.6	54.7	51.0	47.4	44.3	41.7
142.5°	87.4	79.4	72.0	66.4	61.1	56.4	52.3	48.9	45.7	42.5	39.7
145°	80.8	73.8	67.6	62.1	57.6	53.5	49.7	46.3	43.5	40.8	38.0
147.5°	73.2	67.4	62.1	57.3	53.2	49.8	46.6	43.5	40.7	38.3	36.1
150°	64.4	59.9	55.5	51.6	47.9	44.8	42.3	39.9	37.5	35.2	33.3
152.5°	54.2	51.2	47.8	44.7	41.8	39.1	36.7	34.9	33.8	32.4	30.9
155°	42.9	40.8	38.7	36.5	35.3	34.1	32.9	31.6	30.6	29.5	28.4
157.5°	35.0	34.4	33.8	33.1	32.1	31.0	29.9	28.8	27.6	26.4	25.4
160°	31.0	30.6	30.0	29.4	28.8	27.9	26.9	25.9	24.9	23.8	22.7
162.5°	27.1	26.7	26.2	25.7	25.1	24.5	23.8	23.0	22.1	21.1	20.2
165°	23.2	22.9	22.4	22.0	21.5	20.9	20.4	19.7	19.1	18.4	17.5
167.5°	19.2	19.0	18.7	18.3	17.9	17.4	16.9	16.4	15.8	15.3	14.7
170°	15.2	15.0	14.8	14.6	14.3	13.9	13.5	13.1	12.7	12.2	11.7
172.5°	11.3	11.1	11.0	10.8	10.6	10.3	10.0	9.8	9.5	9.1	8.7
175°	7.9	7.7	7.4	7.2	6.9	6.8	6.6	6.4	6.2	6.0	5.7
177.5°	4.5	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.5	3.3	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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	3.0	2.8	2.7	2.5	2.3	2.1	2.0	1.8	1.6	1.4	1.3
5°	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
7.5°	8.4	8.0	7.5	7.1	6.7	6.2	5.7	5.2	4.7	4.2	3.7
10°	11.2	10.6	10.1	9.5	8.9	8.3	7.7	7.0	6.3	5.7	5.0
12.5°	14.0	13.3	12.6	11.9	11.1	10.3	9.5	8.7	7.8	7.0	6.1
15°	16.7	15.8	14.9	14.0	13.1	12.1	11.2	10.2	9.2	8.2	7.2
17.5°	19.2	18.2	17.1	16.1	15.0	13.9	12.9	11.8	10.7	9.6	8.4
20°	21.6	20.5	19.4	18.3	17.2	16.0	14.8	13.5	12.2	10.9	9.5
22.5°	24.3	23.2	22.0	20.6	19.2	17.8	16.4	15.0	13.5	12.0	10.6
25°	27.0	25.5	24.1	22.6	21.0	19.5	17.9	16.4	14.7	13.0	11.3
27.5°	29.3	27.7	26.1	24.5	22.7	20.8	19.0	17.2	15.5	13.8	12.1
30°	31.6	29.9	27.8	25.8	23.8	22.0	20.2	18.4	16.6	14.8	13.0
32.5°	33.6	31.2	29.1	27.3	25.4	23.5	21.6	19.7	17.7	15.8	13.8
35°	35.3	33.1	31.0	29.0	27.0	24.9	22.8	20.6	18.5	16.5	14.6
37.5°	37.3	35.0	32.8	30.7	28.2	25.7	23.5	21.4	19.4	17.4	15.2
40°	39.2	36.8	34.3	31.7	29.1	26.8	24.6	22.3	19.9	17.6	15.4
42.5°	41.0	38.4	35.6	33.1	30.6	27.9	25.1	22.5	20.4	18.2	16.0
45°	42.7	40.0	37.2	34.5	31.6	28.7	26.1	23.5	21.2	18.9	16.6
47.5°	44.5	41.6	38.7	35.7	32.8	30.0	27.3	24.6	21.8	19.1	16.5
50°	46.2	43.2	40.2	37.1	34.1	31.1	28.2	25.0	22.0	19.3	17.0
52.5°	48.0	45.0	41.7	38.4	35.2	31.9	28.6	25.6	22.8	20.0	17.5
55°	50.0	46.5	43.0	39.6	36.1	32.6	29.4	26.3	23.4	20.6	18.0
57.5°	52.9	48.1	44.2	40.6	36.9	33.4	30.1	27.0	23.8	20.9	18.0
60°	55.8	50.4	45.8	41.6	37.8	34.2	30.7	27.0	23.7	20.6	17.7
62.5°	58.0	52.2	47.2	42.7	38.6	34.8	30.6	26.9	23.6	20.3	17.4
65°	59.8	53.7	48.4	43.5	39.1	34.6	30.6	26.9	23.1	19.8	16.8
67.5°	61.3	55.0	49.3	44.0	39.0	34.4	30.5	26.3	22.6	19.2	15.7
70°	62.9	56.1	50.0	44.3	38.9	34.3	29.4	25.3	22.0	18.1	14.8
72.5°	64.3	57.2	50.6	44.5	39.0	33.7	28.4	24.5	20.5	17.0	14.1
75°	65.8	58.3	51.1	44.9	39.0	32.8	27.8	23.4	19.2	15.7	12.8
77.5°	67.7	59.4	51.7	45.1	38.8	32.1	27.2	22.4	18.0	14.4	11.3
80°	69.6	60.4	52.1	44.9	37.7	31.3	26.3	21.6	16.9	13.2	9.8
82.5°	71.7	61.6	52.7	44.7	36.9	30.4	25.0	20.2	16.1	12.2	8.4
85°	74.1	63.0	53.4	44.7	36.5	29.6	23.9	19.3	15.6	11.9	8.1
87.5°	76.8	64.7	54.5	45.1	36.5	29.1	23.2	18.9	15.6	12.2	8.8
90°	80.0	67.0	56.0	46.0	37.0	29.0	23.0	19.0	16.0	13.0	10.0
92.5°	76.8	64.7	54.5	45.1	36.5	29.1	23.2	18.9	15.6	12.2	8.8
95°	74.1	63.0	53.4	44.7	36.5	29.6	23.9	19.3	15.6	11.9	8.1
97.5°	71.7	61.6	52.7	44.7	36.9	30.4	25.0	20.2	16.1	12.2	8.4
100°	69.6	60.4	52.1	44.9	37.7	31.3	26.3	21.6	16.9	13.2	9.8
102.5°	67.7	59.4	51.7	45.1	38.8	32.1	27.2	22.4	18.0	14.4	11.3
105°	65.8	58.3	51.1	44.9	39.0	32.8	27.8	23.4	19.2	15.7	12.8
107.5°	64.3	57.2	50.6	44.5	39.0	33.7	28.4	24.5	20.5	17.0	14.1
110°	62.9	56.1	50.0	44.3	38.9	34.3	29.4	25.3	22.0	18.1	14.8



TEST NUMBER: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	61.3	55.0	49.3	44.0	39.0	34.4	30.5	26.3	22.6	19.2	15.7
115°	59.8	53.7	48.4	43.5	39.1	34.6	30.6	26.9	23.1	19.8	16.8
117.5°	58.0	52.2	47.2	42.7	38.6	34.8	30.6	26.9	23.6	20.3	17.4
120°	55.8	50.4	45.8	41.6	37.8	34.2	30.7	27.0	23.7	20.6	17.7
122.5°	52.9	48.1	44.2	40.6	36.9	33.4	30.1	27.0	23.8	20.9	18.0
125°	50.0	46.5	43.0	39.6	36.1	32.6	29.4	26.3	23.4	20.6	18.0
127.5°	48.0	45.0	41.7	38.4	35.2	31.9	28.6	25.6	22.8	20.0	17.5
130°	46.2	43.2	40.2	37.1	34.1	31.1	28.2	25.0	22.0	19.3	17.0
132.5°	44.5	41.6	38.7	35.7	32.8	30.0	27.3	24.6	21.8	19.1	16.5
135°	42.7	40.0	37.2	34.5	31.6	28.7	26.1	23.5	21.2	18.9	16.6
137.5°	41.0	38.4	35.6	33.1	30.6	27.9	25.1	22.5	20.4	18.2	16.0
140°	39.2	36.8	34.3	31.7	29.1	26.8	24.6	22.3	19.9	17.6	15.4
142.5°	37.3	35.0	32.8	30.7	28.2	25.7	23.5	21.4	19.4	17.4	15.2
145°	35.3	33.1	31.0	29.0	27.0	24.9	22.8	20.6	18.5	16.5	14.6
147.5°	33.6	31.2	29.1	27.3	25.4	23.5	21.6	19.7	17.7	15.8	13.8
150°	31.6	29.9	27.8	25.8	23.8	22.0	20.2	18.4	16.6	14.8	13.0
152.5°	29.3	27.7	26.1	24.5	22.7	20.8	19.0	17.2	15.5	13.8	12.1
155°	27.0	25.5	24.1	22.6	21.0	19.5	17.9	16.4	14.7	13.0	11.3
157.5°	24.3	23.2	22.0	20.6	19.2	17.8	16.4	15.0	13.5	12.0	10.6
160°	21.6	20.5	19.4	18.3	17.2	16.0	14.8	13.5	12.2	10.9	9.5
162.5°	19.2	18.2	17.1	16.1	15.0	13.9	12.9	11.8	10.7	9.6	8.4
165°	16.7	15.8	14.9	14.0	13.1	12.1	11.2	10.2	9.2	8.2	7.2
167.5°	14.0	13.3	12.6	11.9	11.1	10.3	9.5	8.7	7.8	7.0	6.1
170°	11.2	10.6	10.1	9.5	8.9	8.3	7.7	7.0	6.3	5.7	5.0
172.5°	8.4	8.0	7.5	7.1	6.7	6.2	5.7	5.2	4.7	4.2	3.7
175°	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
177.5°	3.0	2.8	2.7	2.5	2.3	2.1	2.0	1.8	1.6	1.4	1.3
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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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	0.4	0.2	0.0	0.2	0.4	0.5	0.7
5°	2.1	1.8	1.4	1.1	0.7	0.4	0.0	0.4	0.7	1.1	1.4
7.5°	3.2	2.7	2.2	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.2
10°	4.3	3.6	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
12.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.5
15°	6.2	5.2	4.2	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.2
17.5°	7.3	6.1	4.9	3.7	2.4	1.2	0.0	1.2	2.4	3.7	4.9
20°	8.2	6.8	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
22.5°	9.1	7.6	6.1	4.6	3.0	1.5	0.0	1.5	3.0	4.6	6.1
25°	9.7	8.1	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
27.5°	10.4	8.7	6.9	5.2	3.5	1.7	0.0	1.7	3.5	5.2	6.9
30°	11.1	9.3	7.4	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.4
32.5°	11.9	10.1	8.3	6.4	4.6	2.8	1.0	2.8	4.6	6.4	8.3
35°	12.7	10.7	8.8	6.8	4.9	2.9	1.0	2.9	4.9	6.8	8.8
37.5°	13.1	11.0	8.9	6.9	4.9	3.0	1.0	3.0	4.9	6.9	8.9
40°	13.3	11.3	9.2	7.2	5.1	3.1	1.0	3.1	5.1	7.2	9.2
42.5°	13.9	11.7	9.6	7.4	5.3	3.1	1.0	3.1	5.3	7.4	9.6
45°	14.2	11.9	9.6	7.4	5.2	3.1	1.0	3.1	5.2	7.4	9.6
47.5°	14.2	12.0	9.8	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.8
50°	14.6	12.3	10.0	7.8	5.5	3.3	1.0	3.3	5.5	7.8	10.0
52.5°	15.1	12.7	10.3	8.0	5.6	3.3	1.0	3.3	5.6	8.0	10.3
55°	15.5	12.8	10.3	7.8	5.5	3.2	1.0	3.2	5.5	7.8	10.3
57.5°	15.1	12.5	10.2	7.8	5.5	3.3	1.0	3.3	5.5	7.8	10.2
60°	15.2	12.7	10.1	7.6	5.3	3.1	1.0	3.1	5.3	7.6	10.1
62.5°	14.7	12.0	9.4	7.1	4.9	2.9	1.0	2.9	4.9	7.1	9.4
65°	13.8	11.1	8.7	6.4	4.5	2.7	1.0	2.7	4.5	6.4	8.7
67.5°	12.7	10.1	7.9	6.0	4.3	2.6	1.0	2.6	4.3	6.0	7.9
70°	11.9	9.5	7.6	5.8	4.1	2.5	1.0	2.5	4.1	5.8	7.6
72.5°	11.1	8.7	6.9	5.2	3.4	2.1	1.0	2.1	3.4	5.2	6.9
75°	10.1	7.7	5.8	4.1	2.9	1.9	1.0	1.9	2.9	4.1	5.8
77.5°	8.7	7.0	5.0	3.0	1.1	0.2	0.0	0.2	1.1	3.0	5.0
80°	7.1	5.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
82.5°	5.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	5.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	5.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	7.1	5.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
102.5°	8.7	7.0	5.0	3.0	1.1	0.2	0.0	0.2	1.1	3.0	5.0
105°	10.1	7.7	5.8	4.1	2.9	1.9	1.0	1.9	2.9	4.1	5.8
107.5°	11.1	8.7	6.9	5.2	3.4	2.1	1.0	2.1	3.4	5.2	6.9
110°	11.9	9.5	7.6	5.8	4.1	2.5	1.0	2.5	4.1	5.8	7.6



TEST NUMBER: P231978

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	12.7	10.1	7.9	6.0	4.3	2.6	1.0	2.6	4.3	6.0	7.9
115°	13.8	11.1	8.7	6.4	4.5	2.7	1.0	2.7	4.5	6.4	8.7
117.5°	14.7	12.0	9.4	7.1	4.9	2.9	1.0	2.9	4.9	7.1	9.4
120°	15.2	12.7	10.1	7.6	5.3	3.1	1.0	3.1	5.3	7.6	10.1
122.5°	15.1	12.5	10.2	7.8	5.5	3.3	1.0	3.3	5.5	7.8	10.2
125°	15.5	12.8	10.3	7.8	5.5	3.2	1.0	3.2	5.5	7.8	10.3
127.5°	15.1	12.7	10.3	8.0	5.6	3.3	1.0	3.3	5.6	8.0	10.3
130°	14.6	12.3	10.0	7.8	5.5	3.3	1.0	3.3	5.5	7.8	10.0
132.5°	14.2	12.0	9.8	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.8
135°	14.2	11.9	9.6	7.4	5.2	3.1	1.0	3.1	5.2	7.4	9.6
137.5°	13.9	11.7	9.6	7.4	5.3	3.1	1.0	3.1	5.3	7.4	9.6
140°	13.3	11.3	9.2	7.2	5.1	3.1	1.0	3.1	5.1	7.2	9.2
142.5°	13.1	11.0	8.9	6.9	4.9	3.0	1.0	3.0	4.9	6.9	8.9
145°	12.7	10.7	8.8	6.8	4.9	2.9	1.0	2.9	4.9	6.8	8.8
147.5°	11.9	10.1	8.3	6.4	4.6	2.8	1.0	2.8	4.6	6.4	8.3
150°	11.1	9.3	7.4	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.4
152.5°	10.4	8.7	6.9	5.2	3.5	1.7	0.0	1.7	3.5	5.2	6.9
155°	9.7	8.1	6.4	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.4
157.5°	9.1	7.6	6.1	4.6	3.0	1.5	0.0	1.5	3.0	4.6	6.1
160°	8.2	6.8	5.5	4.1	2.7	1.4	0.0	1.4	2.7	4.1	5.5
162.5°	7.3	6.1	4.9	3.7	2.4	1.2	0.0	1.2	2.4	3.7	4.9
165°	6.2	5.2	4.2	3.1	2.1	1.0	0.0	1.0	2.1	3.1	4.2
167.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.5
170°	4.3	3.6	2.9	2.2	1.4	0.7	0.0	0.7	1.4	2.2	2.9
172.5°	3.2	2.7	2.2	1.6	1.1	0.5	0.0	0.5	1.1	1.6	2.2
175°	2.1	1.8	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	0.4	0.2	0.0	0.2	0.4	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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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	1.3	1.4	1.6	1.8	2.0	2.1	2.3	2.5	2.7
5°	1.8	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.4	4.7	5.0
7.5°	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.1	7.5
10°	3.6	4.3	5.0	5.7	6.3	7.0	7.7	8.3	8.9	9.5	10.1
12.5°	4.4	5.3	6.1	7.0	7.8	8.7	9.5	10.3	11.1	11.9	12.6
15°	5.2	6.2	7.2	8.2	9.2	10.2	11.2	12.1	13.1	14.0	14.9
17.5°	6.1	7.3	8.4	9.6	10.7	11.8	12.9	13.9	15.0	16.1	17.1
20°	6.8	8.2	9.5	10.9	12.2	13.5	14.8	16.0	17.2	18.3	19.4
22.5°	7.6	9.1	10.6	12.0	13.5	15.0	16.4	17.8	19.2	20.6	22.0
25°	8.1	9.7	11.3	13.0	14.7	16.4	17.9	19.5	21.0	22.6	24.1
27.5°	8.7	10.4	12.1	13.8	15.5	17.2	19.0	20.8	22.7	24.5	26.1
30°	9.3	11.1	13.0	14.8	16.6	18.4	20.2	22.0	23.8	25.8	27.8
32.5°	10.1	11.9	13.8	15.8	17.7	19.7	21.6	23.5	25.4	27.3	29.1
35°	10.7	12.7	14.6	16.5	18.5	20.6	22.8	24.9	27.0	29.0	31.0
37.5°	11.0	13.1	15.2	17.4	19.4	21.4	23.5	25.7	28.2	30.7	32.8
40°	11.3	13.3	15.4	17.6	19.9	22.3	24.6	26.8	29.1	31.7	34.3
42.5°	11.7	13.9	16.0	18.2	20.4	22.5	25.1	27.9	30.6	33.1	35.6
45°	11.9	14.2	16.6	18.9	21.2	23.5	26.1	28.7	31.6	34.5	37.2
47.5°	12.0	14.2	16.5	19.1	21.8	24.6	27.3	30.0	32.8	35.7	38.7
50°	12.3	14.6	17.0	19.3	22.0	25.0	28.2	31.1	34.1	37.1	40.2
52.5°	12.7	15.1	17.5	20.0	22.8	25.6	28.6	31.9	35.2	38.4	41.7
55°	12.8	15.5	18.0	20.6	23.4	26.3	29.4	32.6	36.1	39.6	43.0
57.5°	12.5	15.1	18.0	20.9	23.8	27.0	30.1	33.4	36.9	40.6	44.2
60°	12.7	15.2	17.7	20.6	23.7	27.0	30.7	34.2	37.8	41.6	45.8
62.5°	12.0	14.7	17.4	20.3	23.6	26.9	30.6	34.8	38.6	42.7	47.2
65°	11.1	13.8	16.8	19.8	23.1	26.9	30.6	34.6	39.1	43.5	48.4
67.5°	10.1	12.7	15.7	19.2	22.6	26.3	30.5	34.4	39.0	44.0	49.3
70°	9.5	11.9	14.8	18.1	22.0	25.3	29.4	34.3	38.9	44.3	50.0
72.5°	8.7	11.1	14.1	17.0	20.5	24.5	28.4	33.7	39.0	44.5	50.6
75°	7.7	10.1	12.8	15.7	19.2	23.4	27.8	32.8	39.0	44.9	51.1
77.5°	7.0	8.7	11.3	14.4	18.0	22.4	27.2	32.1	38.8	45.1	51.7
80°	5.3	7.1	9.8	13.2	16.9	21.6	26.3	31.3	37.7	44.9	52.1
82.5°	3.1	5.3	8.4	12.2	16.1	20.2	25.0	30.4	36.9	44.7	52.7
85°	1.2	4.5	8.1	11.9	15.6	19.3	23.9	29.6	36.5	44.7	53.4
87.5°	0.4	5.0	8.8	12.2	15.6	18.9	23.2	29.1	36.5	45.1	54.5
90°	0.0	6.0	10.0	13.0	16.0	19.0	23.0	29.0	37.0	46.0	56.0
92.5°	0.4	5.0	8.8	12.2	15.6	18.9	23.2	29.1	36.5	45.1	54.5
95°	1.2	4.5	8.1	11.9	15.6	19.3	23.9	29.6	36.5	44.7	53.4
97.5°	3.1	5.3	8.4	12.2	16.1	20.2	25.0	30.4	36.9	44.7	52.7
100°	5.3	7.1	9.8	13.2	16.9	21.6	26.3	31.3	37.7	44.9	52.1
102.5°	7.0	8.7	11.3	14.4	18.0	22.4	27.2	32.1	38.8	45.1	51.7
105°	7.7	10.1	12.8	15.7	19.2	23.4	27.8	32.8	39.0	44.9	51.1
107.5°	8.7	11.1	14.1	17.0	20.5	24.5	28.4	33.7	39.0	44.5	50.6
110°	9.5	11.9	14.8	18.1	22.0	25.3	29.4	34.3	38.9	44.3	50.0



TEST NUMBER: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	10.1	12.7	15.7	19.2	22.6	26.3	30.5	34.4	39.0	44.0	49.3
115°	11.1	13.8	16.8	19.8	23.1	26.9	30.6	34.6	39.1	43.5	48.4
117.5°	12.0	14.7	17.4	20.3	23.6	26.9	30.6	34.8	38.6	42.7	47.2
120°	12.7	15.2	17.7	20.6	23.7	27.0	30.7	34.2	37.8	41.6	45.8
122.5°	12.5	15.1	18.0	20.9	23.8	27.0	30.1	33.4	36.9	40.6	44.2
125°	12.8	15.5	18.0	20.6	23.4	26.3	29.4	32.6	36.1	39.6	43.0
127.5°	12.7	15.1	17.5	20.0	22.8	25.6	28.6	31.9	35.2	38.4	41.7
130°	12.3	14.6	17.0	19.3	22.0	25.0	28.2	31.1	34.1	37.1	40.2
132.5°	12.0	14.2	16.5	19.1	21.8	24.6	27.3	30.0	32.8	35.7	38.7
135°	11.9	14.2	16.6	18.9	21.2	23.5	26.1	28.7	31.6	34.5	37.2
137.5°	11.7	13.9	16.0	18.2	20.4	22.5	25.1	27.9	30.6	33.1	35.6
140°	11.3	13.3	15.4	17.6	19.9	22.3	24.6	26.8	29.1	31.7	34.3
142.5°	11.0	13.1	15.2	17.4	19.4	21.4	23.5	25.7	28.2	30.7	32.8
145°	10.7	12.7	14.6	16.5	18.5	20.6	22.8	24.9	27.0	29.0	31.0
147.5°	10.1	11.9	13.8	15.8	17.7	19.7	21.6	23.5	25.4	27.3	29.1
150°	9.3	11.1	13.0	14.8	16.6	18.4	20.2	22.0	23.8	25.8	27.8
152.5°	8.7	10.4	12.1	13.8	15.5	17.2	19.0	20.8	22.7	24.5	26.1
155°	8.1	9.7	11.3	13.0	14.7	16.4	17.9	19.5	21.0	22.6	24.1
157.5°	7.6	9.1	10.6	12.0	13.5	15.0	16.4	17.8	19.2	20.6	22.0
160°	6.8	8.2	9.5	10.9	12.2	13.5	14.8	16.0	17.2	18.3	19.4
162.5°	6.1	7.3	8.4	9.6	10.7	11.8	12.9	13.9	15.0	16.1	17.1
165°	5.2	6.2	7.2	8.2	9.2	10.2	11.2	12.1	13.1	14.0	14.9
167.5°	4.4	5.3	6.1	7.0	7.8	8.7	9.5	10.3	11.1	11.9	12.6
170°	3.6	4.3	5.0	5.7	6.3	7.0	7.7	8.3	8.9	9.5	10.1
172.5°	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.1	7.5
175°	1.8	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.4	4.7	5.0
177.5°	0.9	1.1	1.3	1.4	1.6	1.8	2.0	2.1	2.3	2.5	2.7
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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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	3.0	3.1	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.3
5°	5.2	5.5	5.7	6.0	6.2	6.4	6.6	6.8	6.9	7.2	7.4
7.5°	8.0	8.4	8.7	9.1	9.5	9.8	10.0	10.3	10.6	10.8	11.0
10°	10.6	11.2	11.7	12.2	12.7	13.1	13.5	13.9	14.3	14.6	14.8
12.5°	13.3	14.0	14.7	15.3	15.8	16.4	16.9	17.4	17.9	18.3	18.7
15°	15.8	16.7	17.5	18.4	19.1	19.7	20.4	20.9	21.5	22.0	22.4
17.5°	18.2	19.2	20.2	21.1	22.1	23.0	23.8	24.5	25.1	25.7	26.2
20°	20.5	21.6	22.7	23.8	24.9	25.9	26.9	27.9	28.8	29.4	30.0
22.5°	23.2	24.3	25.4	26.4	27.6	28.8	29.9	31.0	32.1	33.1	33.8
25°	25.5	27.0	28.4	29.5	30.6	31.6	32.9	34.1	35.3	36.5	38.7
27.5°	27.7	29.3	30.9	32.4	33.8	34.9	36.7	39.1	41.8	44.7	47.8
30°	29.9	31.6	33.3	35.2	37.5	39.9	42.3	44.8	47.9	51.6	55.5
32.5°	31.2	33.6	36.1	38.3	40.7	43.5	46.6	49.8	53.2	57.3	62.1
35°	33.1	35.3	38.0	40.8	43.5	46.3	49.7	53.5	57.6	62.1	67.6
37.5°	35.0	37.3	39.7	42.5	45.7	48.9	52.3	56.4	61.1	66.4	72.0
40°	36.8	39.2	41.7	44.3	47.4	51.0	54.7	58.6	63.9	69.8	76.3
42.5°	38.4	41.0	43.6	46.3	49.2	52.7	56.8	61.1	66.0	72.6	79.9
45°	40.0	42.7	45.5	48.2	51.2	54.4	58.6	63.2	68.3	74.9	82.8
47.5°	41.6	44.5	47.4	50.2	53.2	56.5	60.2	65.1	70.6	76.6	85.4
50°	43.2	46.2	49.4	52.3	55.2	58.4	62.3	67.2	74.3	81.2	88.9
52.5°	45.0	48.0	51.2	54.6	57.4	62.7	68.7	75.3	82.0	88.1	93.9
55°	46.5	50.0	53.3	58.5	64.1	69.9	76.5	83.6	90.3	96.1	100.5
57.5°	48.1	52.9	58.0	63.3	70.0	76.7	83.9	91.6	99.3	104.8	108.3
60°	50.4	55.8	61.8	67.8	74.9	82.8	90.9	99.5	107.9	113.8	117.0
62.5°	52.2	58.0	64.6	71.7	79.2	88.2	97.4	106.9	116.2	123.4	126.5
65°	53.7	59.8	67.0	75.0	83.3	93.0	103.5	114.1	124.5	133.5	136.6
67.5°	55.0	61.3	69.0	77.8	87.2	97.4	109.1	121.0	132.7	143.0	146.3
70°	56.1	62.9	70.8	80.2	90.6	101.5	114.4	127.6	140.4	151.1	153.7
72.5°	57.2	64.3	72.4	82.5	93.8	105.2	117.7	130.4	141.5	150.0	152.6
75°	58.3	65.8	74.5	84.8	96.2	107.7	119.8	132.1	142.6	149.7	151.9
77.5°	59.4	67.7	76.8	87.3	98.8	110.6	122.3	134.4	144.5	150.2	151.4
80°	60.4	69.6	79.2	90.0	101.9	113.9	125.4	137.1	147.1	151.2	151.0
82.5°	61.6	71.7	81.9	93.1	105.3	117.6	128.9	140.3	150.2	152.6	150.8
85°	63.0	74.1	84.8	96.6	109.1	121.7	132.9	143.9	153.6	154.3	150.6
87.5°	64.7	76.8	88.2	100.6	113.3	126.1	137.3	147.8	157.3	156.2	150.4
90°	67.0	80.0	92.0	105.0	118.0	131.0	142.0	152.0	161.0	158.0	150.0
92.5°	64.7	76.8	88.2	100.6	113.3	126.1	137.3	147.8	157.3	156.2	150.4
95°	63.0	74.1	84.8	96.6	109.1	121.7	132.9	143.9	153.6	154.3	150.6
97.5°	61.6	71.7	81.9	93.1	105.3	117.6	128.9	140.3	150.2	152.6	150.8
100°	60.4	69.6	79.2	90.0	101.9	113.9	125.4	137.1	147.1	151.2	151.0
102.5°	59.4	67.7	76.8	87.3	98.8	110.6	122.3	134.4	144.5	150.2	151.4
105°	58.3	65.8	74.5	84.8	96.2	107.7	119.8	132.1	142.6	149.7	151.9
107.5°	57.2	64.3	72.4	82.5	93.8	105.2	117.7	130.4	141.5	150.0	152.6
110°	56.1	62.9	70.8	80.2	90.6	101.5	114.4	127.6	140.4	151.1	153.7



TEST NUMBER: P231978

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	55.0	61.3	69.0	77.8	87.2	97.4	109.1	121.0	132.7	143.0	146.3
115°	53.7	59.8	67.0	75.0	83.3	93.0	103.5	114.1	124.5	133.5	136.6
117.5°	52.2	58.0	64.6	71.7	79.2	88.2	97.4	106.9	116.2	123.4	126.5
120°	50.4	55.8	61.8	67.8	74.9	82.8	90.9	99.5	107.9	113.8	117.0
122.5°	48.1	52.9	58.0	63.3	70.0	76.7	83.9	91.6	99.3	104.8	108.3
125°	46.5	50.0	53.3	58.5	64.1	69.9	76.5	83.6	90.3	96.1	100.5
127.5°	45.0	48.0	51.2	54.6	57.4	62.7	68.7	75.3	82.0	88.1	93.9
130°	43.2	46.2	49.4	52.3	55.2	58.4	62.3	67.2	74.3	81.2	88.9
132.5°	41.6	44.5	47.4	50.2	53.2	56.5	60.2	65.1	70.6	76.6	85.4
135°	40.0	42.7	45.5	48.2	51.2	54.4	58.6	63.2	68.3	74.9	82.8
137.5°	38.4	41.0	43.6	46.3	49.2	52.7	56.8	61.1	66.0	72.6	79.9
140°	36.8	39.2	41.7	44.3	47.4	51.0	54.7	58.6	63.9	69.8	76.3
142.5°	35.0	37.3	39.7	42.5	45.7	48.9	52.3	56.4	61.1	66.4	72.0
145°	33.1	35.3	38.0	40.8	43.5	46.3	49.7	53.5	57.6	62.1	67.6
147.5°	31.2	33.6	36.1	38.3	40.7	43.5	46.6	49.8	53.2	57.3	62.1
150°	29.9	31.6	33.3	35.2	37.5	39.9	42.3	44.8	47.9	51.6	55.5
152.5°	27.7	29.3	30.9	32.4	33.8	34.9	36.7	39.1	41.8	44.7	47.8
155°	25.5	27.0	28.4	29.5	30.6	31.6	32.9	34.1	35.3	36.5	38.7
157.5°	23.2	24.3	25.4	26.4	27.6	28.8	29.9	31.0	32.1	33.1	33.8
160°	20.5	21.6	22.7	23.8	24.9	25.9	26.9	27.9	28.8	29.4	30.0
162.5°	18.2	19.2	20.2	21.1	22.1	23.0	23.8	24.5	25.1	25.7	26.2
165°	15.8	16.7	17.5	18.4	19.1	19.7	20.4	20.9	21.5	22.0	22.4
167.5°	13.3	14.0	14.7	15.3	15.8	16.4	16.9	17.4	17.9	18.3	18.7
170°	10.6	11.2	11.7	12.2	12.7	13.1	13.5	13.9	14.3	14.6	14.8
172.5°	8.0	8.4	8.7	9.1	9.5	9.8	10.0	10.3	10.6	10.8	11.0
175°	5.2	5.5	5.7	6.0	6.2	6.4	6.6	6.8	6.9	7.2	7.4
177.5°	2.8	3.0	3.1	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.3
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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.1	5.6
5°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.1	9.2	10.2
7.5°	11.1	11.3	11.6	11.9	12.2	12.5	12.7	12.9	13.1	13.3	14.8
10°	15.0	15.2	15.4	15.5	15.8	16.2	16.6	16.9	17.2	17.4	19.4
12.5°	19.0	19.2	19.4	19.5	19.6	19.9	20.4	20.8	21.2	21.6	24.0
15°	22.9	23.2	23.4	23.6	23.6	23.7	24.2	24.7	25.2	25.7	28.6
17.5°	26.7	27.1	27.5	27.7	27.8	27.8	28.0	28.6	29.2	29.8	33.1
20°	30.6	31.0	31.5	31.9	31.9	31.9	31.7	32.5	33.2	33.9	37.7
22.5°	34.4	35.0	35.4	35.9	36.1	36.0	35.9	36.3	37.2	38.0	42.2
25°	40.8	42.9	44.8	46.5	48.1	48.8	48.9	49.3	50.1	50.7	55.0
27.5°	51.2	54.2	57.1	59.6	61.6	62.9	62.8	62.6	63.1	63.3	67.8
30°	59.9	64.4	68.3	72.2	74.8	77.2	76.8	76.2	76.2	76.0	80.5
32.5°	67.4	73.2	78.7	83.8	87.7	90.7	90.9	89.9	89.4	88.7	93.3
35°	73.8	80.8	88.2	94.6	100.3	104.0	105.2	103.8	102.6	101.3	105.9
37.5°	79.4	87.4	96.3	104.6	112.8	117.1	119.6	117.7	115.9	114.0	118.5
40°	84.1	93.1	103.6	114.0	123.5	129.9	134.0	131.7	129.2	126.7	131.1
42.5°	87.9	98.4	110.0	123.2	133.9	142.6	148.5	145.8	142.6	139.3	143.6
45°	92.0	103.0	115.7	130.3	143.8	155.1	161.7	159.9	156.1	152.0	156.1
47.5°	95.2	105.7	118.1	132.1	145.6	157.6	164.5	165.1	163.8	163.3	171.3
50°	97.1	105.9	117.6	130.8	144.7	157.5	166.0	169.6	171.2	174.7	186.8
52.5°	100.3	107.9	117.8	130.0	144.0	157.0	167.3	173.6	178.3	186.0	202.5
55°	105.2	110.8	118.6	129.6	143.4	156.7	168.4	177.3	185.1	197.3	218.5
57.5°	111.2	114.6	119.9	129.8	143.1	156.6	169.4	180.7	191.6	208.7	234.7
60°	118.3	119.2	122.3	131.0	143.2	156.6	170.3	183.8	198.0	220.0	251.0
62.5°	126.4	124.8	125.9	132.6	143.6	156.7	171.1	186.6	204.2	231.3	267.6
65°	135.1	131.6	130.2	134.6	144.2	157.0	171.8	189.3	210.2	242.7	284.2
67.5°	144.3	139.0	135.0	136.9	145.2	157.4	172.5	191.7	216.1	254.0	301.0
70°	149.8	142.6	136.7	136.9	144.3	156.0	170.8	190.2	214.5	252.1	300.2
72.5°	148.6	141.6	136.0	136.0	143.1	154.5	169.1	188.6	213.0	250.2	299.1
75°	147.4	140.3	135.2	135.1	142.0	153.0	167.4	187.1	211.6	248.3	299.7
77.5°	146.2	138.8	134.2	134.2	141.0	151.7	165.9	185.6	210.3	246.4	297.9
80°	145.0	136.9	133.1	133.4	140.2	150.6	164.5	184.3	209.1	244.6	296.1
82.5°	143.7	134.9	131.9	132.7	139.5	149.5	163.2	183.1	208.0	242.7	294.3
85°	142.3	132.7	130.6	132.1	138.9	148.6	162.0	182.0	206.9	240.8	292.6
87.5°	140.7	130.4	129.3	131.5	138.4	147.7	161.0	180.9	205.9	238.9	290.8
90°	139.0	128.0	128.0	131.0	138.0	147.0	160.0	180.0	205.0	237.0	289.0
92.5°	140.7	130.4	129.3	131.5	138.4	147.7	161.0	180.9	205.9	238.9	290.8
95°	142.3	132.7	130.6	132.1	138.9	148.6	162.0	182.0	206.9	240.8	292.6
97.5°	143.7	134.9	131.9	132.7	139.5	149.5	163.2	183.1	208.0	242.7	294.3
100°	145.0	136.9	133.1	133.4	140.2	150.6	164.5	184.3	209.1	244.6	296.1
102.5°	146.2	138.8	134.2	134.2	141.0	151.7	165.9	185.6	210.3	246.4	297.9
105°	147.4	140.3	135.2	135.1	142.0	153.0	167.4	187.1	211.6	248.3	299.7
107.5°	148.6	141.6	136.0	136.0	143.1	154.5	169.1	188.6	213.0	250.2	299.1
110°	149.8	142.6	136.7	136.9	144.3	156.0	170.8	190.2	214.5	252.1	300.2



TEST NUMBER: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	144.3	139.0	135.0	136.9	145.2	157.4	172.5	191.7	216.1	254.0	301.0
115°	135.1	131.6	130.2	134.6	144.2	157.0	171.8	189.3	210.2	242.7	284.2
117.5°	126.4	124.8	125.9	132.6	143.6	156.7	171.1	186.6	204.2	231.3	267.6
120°	118.3	119.2	122.3	131.0	143.2	156.6	170.3	183.8	198.0	220.0	251.0
122.5°	111.2	114.6	119.9	129.8	143.1	156.6	169.4	180.7	191.6	208.7	234.7
125°	105.2	110.8	118.6	129.6	143.4	156.7	168.4	177.3	185.1	197.3	218.5
127.5°	100.3	107.9	117.8	130.0	144.0	157.0	167.3	173.6	178.3	186.0	202.5
130°	97.1	105.9	117.6	130.8	144.7	157.5	166.0	169.6	171.2	174.7	186.8
132.5°	95.2	105.7	118.1	132.1	145.6	157.6	164.5	165.1	163.8	163.3	171.3
135°	92.0	103.0	115.7	130.3	143.8	155.1	161.7	159.9	156.1	152.0	156.1
137.5°	87.9	98.4	110.0	123.2	133.9	142.6	148.5	145.8	142.6	139.3	143.6
140°	84.1	93.1	103.6	114.0	123.5	129.9	134.0	131.7	129.2	126.7	131.1
142.5°	79.4	87.4	96.3	104.6	112.8	117.1	119.6	117.7	115.9	114.0	118.5
145°	73.8	80.8	88.2	94.6	100.3	104.0	105.2	103.8	102.6	101.3	105.9
147.5°	67.4	73.2	78.7	83.8	87.7	90.7	90.9	89.9	89.4	88.7	93.3
150°	59.9	64.4	68.3	72.2	74.8	77.2	76.8	76.2	76.2	76.0	80.5
152.5°	51.2	54.2	57.1	59.6	61.6	62.9	62.8	62.6	63.1	63.3	67.8
155°	40.8	42.9	44.8	46.5	48.1	48.8	48.9	49.3	50.1	50.7	55.0
157.5°	34.4	35.0	35.4	35.9	36.1	36.0	35.9	36.3	37.2	38.0	42.2
160°	30.6	31.0	31.5	31.9	31.9	31.9	31.7	32.5	33.2	33.9	37.7
162.5°	26.7	27.1	27.5	27.7	27.8	27.8	28.0	28.6	29.2	29.8	33.1
165°	22.9	23.2	23.4	23.6	23.6	23.7	24.2	24.7	25.2	25.7	28.6
167.5°	19.0	19.2	19.4	19.5	19.6	19.9	20.4	20.8	21.2	21.6	24.0
170°	15.0	15.2	15.4	15.5	15.8	16.2	16.6	16.9	17.2	17.4	19.4
172.5°	11.1	11.3	11.6	11.9	12.2	12.5	12.7	12.9	13.1	13.3	14.8
175°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.1	9.2	10.2
177.5°	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.1	5.6
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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	6.1	6.6	7.1	7.6	8.0	8.5	8.9	9.4	9.8	10.1	10.5
5°	11.2	12.2	13.2	14.1	15.0	15.9	16.8	17.6	18.4	19.2	19.9
7.5°	16.3	17.8	19.2	20.6	22.0	23.3	24.7	26.4	28.0	29.7	31.2
10°	21.4	23.3	25.2	27.0	28.9	31.3	33.7	36.0	38.2	40.3	42.5
12.5°	26.4	28.8	31.1	33.7	36.7	39.7	42.6	45.5	48.5	51.6	54.7
15°	31.4	34.2	37.1	40.8	44.5	48.0	51.5	55.3	59.0	62.7	66.7
17.5°	36.4	39.6	43.6	47.9	52.1	56.2	60.5	64.7	68.8	72.7	76.4
20°	41.4	45.1	50.0	54.9	59.6	64.3	68.9	73.4	77.8	82.1	86.3
22.5°	46.3	50.9	56.4	61.8	66.8	71.8	76.6	81.7	86.6	91.3	95.8
25°	59.1	64.1	69.5	74.7	79.3	83.7	88.1	92.4	96.2	99.5	104.1
27.5°	72.0	77.7	83.6	88.9	93.8	98.5	103.1	107.5	110.9	114.2	117.6
30°	84.9	91.3	97.6	102.9	108.4	113.0	117.7	121.5	125.1	128.7	132.2
32.5°	98.0	104.7	111.0	116.8	122.1	127.0	131.4	135.2	138.8	142.5	147.1
35°	111.0	118.0	124.5	130.4	135.7	140.9	144.6	148.3	152.0	156.2	162.2
37.5°	124.0	131.2	137.8	143.9	149.0	153.5	157.3	161.0	164.9	170.4	176.8
40°	136.9	144.4	151.0	157.0	161.8	166.0	169.7	173.1	177.8	183.7	192.5
42.5°	149.7	157.3	164.1	169.7	174.3	178.1	181.5	184.7	190.4	197.9	207.5
45°	162.4	170.1	177.0	182.1	186.3	189.9	192.8	196.8	202.4	212.0	222.7
47.5°	182.0	193.3	202.8	207.3	209.0	209.1	208.9	210.1	215.5	226.2	237.5
50°	202.5	218.5	232.0	237.8	238.1	237.6	238.2	240.5	245.0	250.9	257.8
52.5°	223.5	244.6	261.2	268.9	266.4	266.3	268.2	271.3	276.2	281.9	288.8
55°	245.2	271.3	290.8	299.0	294.1	295.2	298.3	302.3	306.7	311.6	317.9
57.5°	267.3	298.8	320.7	327.9	321.5	324.2	328.5	332.6	336.3	340.2	345.5
60°	289.8	326.8	350.9	356.3	350.1	353.4	358.9	362.3	364.8	367.5	370.6
62.5°	312.8	355.3	381.3	384.4	378.7	383.2	389.0	391.4	392.3	393.4	394.3
65°	336.0	384.3	411.9	412.0	407.3	412.9	418.5	419.7	418.9	418.1	416.3
67.5°	359.4	413.6	442.7	439.3	436.1	442.7	447.6	447.2	444.5	441.4	436.8
70°	359.5	416.3	451.0	453.0	454.0	461.1	466.1	466.8	465.3	462.3	456.1
72.5°	358.5	416.8	456.7	464.8	467.4	471.8	474.5	474.4	472.3	468.5	463.7
75°	357.2	417.1	462.9	477.8	480.3	481.7	482.6	481.9	479.2	474.7	470.4
77.5°	355.6	417.0	469.4	491.8	492.8	491.1	490.6	489.4	486.0	481.0	477.4
80°	355.6	416.7	476.1	506.5	505.0	500.1	498.4	496.9	492.8	487.4	484.6
82.5°	352.7	417.7	485.1	521.6	517.1	508.7	506.1	504.4	499.5	493.9	492.1
85°	349.8	415.8	490.4	537.9	528.8	516.8	513.6	511.9	506.3	500.5	499.6
87.5°	346.9	413.9	495.7	552.4	540.9	525.4	521.3	519.4	513.0	507.1	507.3
90°	344.0	412.0	501.0	567.0	553.0	534.0	529.0	527.0	520.0	514.0	515.0
92.5°	346.9	413.9	495.7	552.4	540.9	525.4	521.3	519.4	513.0	507.1	507.3
95°	349.8	415.8	490.4	537.9	528.8	516.8	513.6	511.9	506.3	500.5	499.6
97.5°	352.7	417.7	485.1	521.6	517.1	508.7	506.1	504.4	499.5	493.9	492.1
100°	355.6	416.7	476.1	506.5	505.0	500.1	498.4	496.9	492.8	487.4	484.6
102.5°	355.6	417.0	469.4	491.8	492.8	491.1	490.6	489.4	486.0	481.0	477.4
105°	357.2	417.1	462.9	477.8	480.3	481.7	482.6	481.9	479.2	474.7	470.4
107.5°	358.5	416.8	456.7	464.8	467.4	471.8	474.5	474.4	472.3	468.5	463.7
110°	359.5	416.3	451.0	453.0	454.0	461.1	466.1	466.8	465.3	462.3	456.1



TEST NUMBER: P231978

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	359.4	413.6	442.7	439.3	436.1	442.7	447.6	447.2	444.5	441.4	436.8
115°	336.0	384.3	411.9	412.0	407.3	412.9	418.5	419.7	418.9	418.1	416.3
117.5°	312.8	355.3	381.3	384.4	378.7	383.2	389.0	391.4	392.3	393.4	394.3
120°	289.8	326.8	350.9	356.3	350.1	353.4	358.9	362.3	364.8	367.5	370.6
122.5°	267.3	298.8	320.7	327.9	321.5	324.2	328.5	332.6	336.3	340.2	345.5
125°	245.2	271.3	290.8	299.0	294.1	295.2	298.3	302.3	306.7	311.6	317.9
127.5°	223.5	244.6	261.2	268.9	266.4	266.3	268.2	271.3	276.2	281.9	288.8
130°	202.5	218.5	232.0	237.8	238.1	237.6	238.2	240.5	245.0	250.9	257.8
132.5°	182.0	193.3	202.8	207.3	209.0	209.1	208.9	210.1	215.5	226.2	237.5
135°	162.4	170.1	177.0	182.1	186.3	189.9	192.8	196.8	202.4	212.0	222.7
137.5°	149.7	157.3	164.1	169.7	174.3	178.1	181.5	184.7	190.4	197.9	207.5
140°	136.9	144.4	151.0	157.0	161.8	166.0	169.7	173.1	177.8	183.7	192.5
142.5°	124.0	131.2	137.8	143.9	149.0	153.5	157.3	161.0	164.9	170.4	176.8
145°	111.0	118.0	124.5	130.4	135.7	140.9	144.6	148.3	152.0	156.2	162.2
147.5°	98.0	104.7	111.0	116.8	122.1	127.0	131.4	135.2	138.8	142.5	147.1
150°	84.9	91.3	97.6	102.9	108.4	113.0	117.7	121.5	125.1	128.7	132.2
152.5°	72.0	77.7	83.6	88.9	93.8	98.5	103.1	107.5	110.9	114.2	117.6
155°	59.1	64.1	69.5	74.7	79.3	83.7	88.1	92.4	96.2	99.5	104.1
157.5°	46.3	50.9	56.4	61.8	66.8	71.8	76.6	81.7	86.6	91.3	95.8
160°	41.4	45.1	50.0	54.9	59.6	64.3	68.9	73.4	77.8	82.1	86.3
162.5°	36.4	39.6	43.6	47.9	52.1	56.2	60.5	64.7	68.8	72.7	76.4
165°	31.4	34.2	37.1	40.8	44.5	48.0	51.5	55.3	59.0	62.7	66.7
167.5°	26.4	28.8	31.1	33.7	36.7	39.7	42.6	45.5	48.5	51.6	54.7
170°	21.4	23.3	25.2	27.0	28.9	31.3	33.7	36.0	38.2	40.3	42.5
172.5°	16.3	17.8	19.2	20.6	22.0	23.3	24.7	26.4	28.0	29.7	31.2
175°	11.2	12.2	13.2	14.1	15.0	15.9	16.8	17.6	18.4	19.2	19.9
177.5°	6.1	6.6	7.1	7.6	8.0	8.5	8.9	9.4	9.8	10.1	10.5
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: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	10.9	11.2	11.5	11.8	12.1	12.3	12.6	12.8	13.0	13.1	13.3
5°	20.9	21.9	22.8	23.6	24.5	25.2	25.9	26.6	27.2	27.7	28.2
7.5°	32.7	34.1	35.5	36.8	38.1	39.7	41.1	42.5	43.8	45.0	46.2
10°	44.8	47.3	49.6	51.8	54.0	56.0	58.0	59.7	61.0	62.2	63.3
12.5°	57.7	60.6	63.4	65.7	67.8	69.8	71.7	73.5	75.2	77.2	79.3
15°	69.3	72.3	75.1	77.8	80.4	83.6	86.7	89.7	92.5	95.3	98.0
17.5°	79.9	83.7	87.1	90.8	94.5	98.2	101.7	105.2	108.5	111.7	114.8
20°	90.5	94.7	98.9	103.0	107.2	111.3	115.3	119.2	122.6	125.8	128.7
22.5°	100.2	104.8	109.4	114.1	118.8	123.5	128.0	132.2	135.9	138.7	141.0
25°	109.0	114.0	119.5	124.9	130.7	136.1	141.2	145.6	149.3	152.7	156.2
27.5°	120.9	124.9	130.1	136.9	144.1	150.7	157.3	162.5	167.8	172.3	176.1
30°	136.7	142.2	147.8	154.7	161.3	168.8	176.6	183.4	189.5	194.7	199.3
32.5°	152.8	159.3	166.9	174.5	182.9	191.0	199.1	206.9	213.5	219.1	224.2
35°	168.9	177.2	185.7	195.0	204.2	213.4	222.3	230.0	237.1	244.2	251.4
37.5°	185.7	194.8	204.9	215.0	225.4	235.1	244.0	252.6	261.6	271.0	281.0
40°	201.9	212.6	223.6	234.9	245.7	255.8	266.2	276.5	288.3	301.1	314.4
42.5°	218.5	229.9	242.2	254.1	265.4	277.2	288.9	303.1	318.6	334.2	350.9
45°	234.4	247.3	260.2	272.7	285.7	298.6	314.4	330.6	349.0	369.1	393.0
47.5°	250.4	264.0	277.7	291.6	305.8	322.4	339.7	359.2	382.1	407.7	438.6
50°	266.9	280.5	295.1	310.5	327.3	345.2	365.3	389.3	417.6	450.6	487.5
52.5°	296.9	305.8	316.6	329.6	348.7	367.9	391.6	420.4	454.8	495.6	544.6
55°	324.7	332.6	343.1	356.2	372.5	390.9	417.5	452.4	494.0	545.2	606.0
57.5°	350.3	357.1	367.3	381.7	400.1	423.9	451.5	485.1	536.6	598.9	667.5
60°	373.9	379.0	390.5	407.7	430.1	456.7	487.1	531.1	585.8	650.4	730.2
62.5°	395.6	400.5	412.6	432.9	460.3	488.6	524.8	573.8	636.9	711.1	794.9
65°	415.4	421.2	436.3	460.0	489.3	516.5	560.0	617.7	687.4	767.8	860.3
67.5°	433.3	440.4	459.2	487.2	514.9	546.6	593.5	655.8	732.5	821.5	922.1
70°	451.4	458.9	481.3	513.4	537.4	573.3	626.0	693.7	774.3	867.7	979.1
72.5°	463.6	476.2	503.1	536.5	557.7	597.5	653.1	725.1	809.6	910.0	1021.6
75°	472.9	489.1	520.3	553.4	580.3	620.9	678.6	751.2	836.5	943.3	1058.0
77.5°	482.1	501.3	537.3	570.3	600.9	644.3	703.8	777.5	866.4	972.6	1086.4
80°	490.9	512.6	553.8	587.2	619.4	663.9	723.9	798.1	891.8	1000.4	1119.0
82.5°	499.6	523.2	569.5	603.6	636.0	680.0	739.4	813.2	910.4	1020.7	1143.3
85°	508.0	532.9	584.2	619.4	650.8	693.1	750.7	823.3	922.5	1033.4	1158.7
87.5°	516.2	542.3	598.4	635.0	664.7	704.5	759.7	830.5	931.1	1042.2	1169.6
90°	524.0	550.0	609.0	648.0	676.0	712.0	763.0	830.0	928.0	1037.0	1163.0
92.5°	516.2	542.3	598.4	635.0	664.7	704.5	759.7	830.5	931.1	1042.2	1169.6
95°	508.0	532.9	584.2	619.4	650.8	693.1	750.7	823.3	922.5	1033.4	1158.7
97.5°	499.6	523.2	569.5	603.6	636.0	680.0	739.4	813.2	910.4	1020.7	1143.3
100°	490.9	512.6	553.8	587.2	619.4	663.9	723.9	798.1	891.8	1000.4	1119.0
102.5°	482.1	501.3	537.3	570.3	600.9	644.3	703.8	777.5	866.4	972.6	1086.4
105°	472.9	489.1	520.3	553.4	580.3	620.9	678.6	751.2	836.5	943.3	1058.0
107.5°	463.6	476.2	503.1	536.5	557.7	597.5	653.1	725.1	809.6	910.0	1021.6
110°	451.4	458.9	481.3	513.4	537.4	573.3	626.0	693.7	774.3	867.7	979.1



TEST NUMBER: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	433.3	440.4	459.2	487.2	514.9	546.6	593.5	655.8	732.5	821.5	922.1
115°	415.4	421.2	436.3	460.0	489.3	516.5	560.0	617.7	687.4	767.8	860.3
117.5°	395.6	400.5	412.6	432.9	460.3	488.6	524.8	573.8	636.9	711.1	794.9
120°	373.9	379.0	390.5	407.7	430.1	456.7	487.1	531.1	585.8	650.4	730.2
122.5°	350.3	357.1	367.3	381.7	400.1	423.9	451.5	485.1	536.6	598.9	667.5
125°	324.7	332.6	343.1	356.2	372.5	390.9	417.5	452.4	494.0	545.2	606.0
127.5°	296.9	305.8	316.6	329.6	348.7	367.9	391.6	420.4	454.8	495.6	544.6
130°	266.9	280.5	295.1	310.5	327.3	345.2	365.3	389.3	417.6	450.6	487.5
132.5°	250.4	264.0	277.7	291.6	305.8	322.4	339.7	359.2	382.1	407.7	438.6
135°	234.4	247.3	260.2	272.7	285.7	298.6	314.4	330.6	349.0	369.1	393.0
137.5°	218.5	229.9	242.2	254.1	265.4	277.2	288.9	303.1	318.6	334.2	350.9
140°	201.9	212.6	223.6	234.9	245.7	255.8	266.2	276.5	288.3	301.1	314.4
142.5°	185.7	194.8	204.9	215.0	225.4	235.1	244.0	252.6	261.6	271.0	281.0
145°	168.9	177.2	185.7	195.0	204.2	213.4	222.3	230.0	237.1	244.2	251.4
147.5°	152.8	159.3	166.9	174.5	182.9	191.0	199.1	206.9	213.5	219.1	224.2
150°	136.7	142.2	147.8	154.7	161.3	168.8	176.6	183.4	189.5	194.7	199.3
152.5°	120.9	124.9	130.1	136.9	144.1	150.7	157.3	162.5	167.8	172.3	176.1
155°	109.0	114.0	119.5	124.9	130.7	136.1	141.2	145.6	149.3	152.7	156.2
157.5°	100.2	104.8	109.4	114.1	118.8	123.5	128.0	132.2	135.9	138.7	141.0
160°	90.5	94.7	98.9	103.0	107.2	111.3	115.3	119.2	122.6	125.8	128.7
162.5°	79.9	83.7	87.1	90.8	94.5	98.2	101.7	105.2	108.5	111.7	114.8
165°	69.3	72.3	75.1	77.8	80.4	83.6	86.7	89.7	92.5	95.3	98.0
167.5°	57.7	60.6	63.4	65.7	67.8	69.8	71.7	73.5	75.2	77.2	79.3
170°	44.8	47.3	49.6	51.8	54.0	56.0	58.0	59.7	61.0	62.2	63.3
172.5°	32.7	34.1	35.5	36.8	38.1	39.7	41.1	42.5	43.8	45.0	46.2
175°	20.9	21.9	22.8	23.6	24.5	25.2	25.9	26.6	27.2	27.7	28.2
177.5°	10.9	11.2	11.5	11.8	12.1	12.3	12.6	12.8	13.0	13.1	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



TEST NUMBER: P231978

CATALOG NUMBER: FVS4WM-4-LD4-40-1HI-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°	13.4	13.5	13.6	13.6	13.6	13.6	14.0	13.9	13.7	13.5	13.3
5°	28.6	29.0	29.3	29.6	29.7	29.9	29.9	29.9	30.4	30.0	29.7
7.5°	47.2	48.1	48.9	49.6	50.3	50.8	51.2	51.4	51.6	52.2	51.8
10°	64.3	65.2	65.9	66.6	67.1	67.5	67.8	68.0	68.0	68.5	68.0
12.5°	81.3	83.1	84.8	86.4	87.8	89.0	90.0	90.9	91.5	92.0	92.7
15°	100.4	102.6	104.7	106.7	108.4	110.0	111.4	112.6	113.5	114.3	115.3
17.5°	117.6	119.7	121.6	123.2	124.6	125.8	126.8	127.5	128.0	128.3	128.8
20°	131.3	133.3	134.3	134.9	135.1	135.0	134.6	133.9	133.0	131.9	130.7
22.5°	142.6	143.7	144.9	146.1	146.7	146.8	146.5	145.7	144.6	143.1	141.7
25°	158.9	161.0	162.4	163.4	163.8	163.6	162.7	161.3	159.5	157.1	154.4
27.5°	179.2	181.5	182.9	184.3	185.8	186.9	187.3	187.1	186.4	185.0	183.0
30°	202.8	206.4	209.5	212.1	215.5	218.4	220.7	222.3	223.2	223.2	222.4
32.5°	229.3	235.0	240.4	245.3	251.4	257.9	263.7	268.7	272.6	275.4	277.0
35°	258.3	267.4	277.2	286.5	295.8	306.0	315.3	323.5	330.5	336.1	340.2
37.5°	292.6	304.6	318.6	332.3	345.3	360.6	375.4	388.8	400.6	410.6	418.4
40°	329.3	345.2	364.6	384.9	404.5	425.0	445.7	464.5	481.2	495.4	507.0
42.5°	371.3	392.5	416.7	444.7	471.7	498.3	528.3	555.8	580.6	602.1	619.9
45°	418.1	447.8	476.7	514.1	552.1	592.4	627.6	664.2	697.0	725.7	749.8
47.5°	471.3	510.6	551.5	594.6	644.1	691.7	740.1	787.5	830.7	869.0	901.7
50°	533.4	581.1	634.9	687.4	745.5	805.9	865.8	924.9	976.8	1021.1	1057.5
52.5°	600.5	659.6	724.4	789.6	861.5	936.4	1007.7	1078.0	1135.6	1180.9	1214.6
55°	670.6	743.0	819.5	904.7	993.3	1091.7	1178.5	1239.7	1285.4	1319.2	1342.2
57.5°	744.4	830.3	922.3	1027.8	1142.9	1234.3	1323.9	1370.1	1396.8	1416.5	1429.3
60°	820.1	917.8	1028.9	1140.7	1247.7	1338.7	1409.8	1453.8	1472.4	1487.2	1497.5
62.5°	891.3	1002.1	1117.4	1232.6	1330.5	1413.8	1473.3	1513.1	1532.0	1548.5	1561.8
65°	962.8	1070.8	1192.2	1308.6	1410.9	1491.1	1536.7	1565.6	1581.3	1597.2	1610.9
67.5°	1030.4	1143.6	1267.2	1395.8	1501.0	1560.7	1592.5	1606.8	1620.8	1640.8	1653.9
70°	1089.8	1213.9	1347.3	1485.5	1575.1	1609.9	1628.6	1648.3	1667.5	1679.2	1690.0
72.5°	1141.8	1272.3	1413.3	1535.7	1611.3	1641.3	1661.3	1679.3	1695.4	1710.0	1725.0
75°	1184.2	1318.2	1457.5	1575.6	1642.9	1666.9	1683.8	1701.4	1719.3	1738.2	1754.0
77.5°	1214.1	1346.5	1499.2	1616.7	1667.7	1690.9	1705.0	1715.7	1735.5	1757.2	1778.3
80°	1243.1	1378.5	1534.9	1655.2	1692.6	1713.0	1718.6	1732.6	1745.5	1770.3	1798.2
82.5°	1267.7	1410.5	1568.9	1669.1	1708.1	1722.7	1732.0	1751.2	1766.0	1785.3	1807.7
85°	1282.5	1426.2	1592.5	1677.9	1714.7	1727.0	1744.6	1768.5	1784.0	1797.4	1801.8
87.5°	1292.2	1426.7	1603.4	1684.3	1719.5	1731.7	1749.3	1771.0	1782.7	1804.8	1818.9
90°	1283.1	1414.1	1599.1	1685.1	1721.1	1736.1	1749.1	1768.1	1770.1	1798.1	1819.1
92.5°	1292.2	1426.7	1603.4	1684.3	1719.5	1731.7	1749.3	1771.0	1782.7	1804.8	1818.9
95°	1282.5	1426.2	1592.5	1677.9	1714.7	1727.0	1744.6	1768.5	1784.0	1797.4	1801.8
97.5°	1267.7	1410.5	1568.9	1669.1	1708.1	1722.7	1732.0	1751.2	1766.0	1785.3	1807.7
100°	1243.1	1378.5	1534.9	1655.2	1692.6	1713.0	1718.6	1732.6	1745.5	1770.3	1798.2
102.5°	1214.1	1346.5	1499.2	1616.7	1667.7	1690.9	1705.0	1715.7	1735.5	1757.2	1778.3
105°	1184.2	1318.2	1457.5	1575.6	1642.9	1666.9	1683.8	1701.4	1719.3	1738.2	1754.0
107.5°	1141.8	1272.3	1413.3	1535.7	1611.3	1641.3	1661.3	1679.3	1695.4	1710.0	1725.0
110°	1089.8	1213.9	1347.3	1485.5	1575.1	1609.9	1628.6	1648.3	1667.5	1679.2	1690.0



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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°	1030.4	1143.6	1267.2	1395.8	1501.0	1560.7	1592.5	1606.8	1620.8	1640.8	1653.9
115°	962.8	1070.8	1192.2	1308.6	1410.9	1491.1	1536.7	1565.6	1581.3	1597.2	1610.9
117.5°	891.3	1002.1	1117.4	1232.6	1330.5	1413.8	1473.3	1513.1	1532.0	1548.5	1561.8
120°	820.1	917.8	1028.9	1140.7	1247.7	1338.7	1409.8	1453.8	1472.4	1487.2	1497.5
122.5°	744.4	830.3	922.3	1027.8	1142.9	1234.3	1323.9	1370.1	1396.8	1416.5	1429.3
125°	670.6	743.0	819.5	904.7	993.3	1091.7	1178.5	1239.7	1285.4	1319.2	1342.2
127.5°	600.5	659.6	724.4	789.6	861.5	936.4	1007.7	1078.0	1135.6	1180.9	1214.6
130°	533.4	581.1	634.9	687.4	745.5	805.9	865.8	924.9	976.8	1021.1	1057.5
132.5°	471.3	510.6	551.5	594.6	644.1	691.7	740.1	787.5	830.7	869.0	901.7
135°	418.1	447.8	476.7	514.1	552.1	592.4	627.6	664.2	697.0	725.7	749.8
137.5°	371.3	392.5	416.7	444.7	471.7	498.3	528.3	555.8	580.6	602.1	619.9
140°	329.3	345.2	364.6	384.9	404.5	425.0	445.7	464.5	481.2	495.4	507.0
142.5°	292.6	304.6	318.6	332.3	345.3	360.6	375.4	388.8	400.6	410.6	418.4
145°	258.3	267.4	277.2	286.5	295.8	306.0	315.3	323.5	330.5	336.1	340.2
147.5°	229.3	235.0	240.4	245.3	251.4	257.9	263.7	268.7	272.6	275.4	277.0
150°	202.8	206.4	209.5	212.1	215.5	218.4	220.7	222.3	223.2	223.2	222.4
152.5°	179.2	181.5	182.9	184.3	185.8	186.9	187.3	187.1	186.4	185.0	183.0
155°	158.9	161.0	162.4	163.4	163.8	163.6	162.7	161.3	159.5	157.1	154.4
157.5°	142.6	143.7	144.9	146.1	146.7	146.8	146.5	145.7	144.6	143.1	141.7
160°	131.3	133.3	134.3	134.9	135.1	135.0	134.6	133.9	133.0	131.9	130.7
162.5°	117.6	119.7	121.6	123.2	124.6	125.8	126.8	127.5	128.0	128.3	128.8
165°	100.4	102.6	104.7	106.7	108.4	110.0	111.4	112.6	113.5	114.3	115.3
167.5°	81.3	83.1	84.8	86.4	87.8	89.0	90.0	90.9	91.5	92.0	92.7
170°	64.3	65.2	65.9	66.6	67.1	67.5	67.8	68.0	68.0	68.5	68.0
172.5°	47.2	48.1	48.9	49.6	50.3	50.8	51.2	51.4	51.6	52.2	51.8
175°	28.6	29.0	29.3	29.6	29.7	29.9	29.9	29.9	30.4	30.0	29.7
177.5°	13.4	13.5	13.6	13.6	13.6	13.6	14.0	13.9	13.7	13.5	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):

	357.5°	360°
0°	1.0	1.0
2.5°	13.2	13.0
5°	29.3	29.0
7.5°	51.4	51.0
10°	67.5	67.0
12.5°	92.3	92.0
15°	115.1	115.0
17.5°	128.4	128.0
20°	129.4	128.0
22.5°	139.3	137.0
25°	151.5	148.0
27.5°	180.6	177.0
30°	221.2	218.0
32.5°	278.1	276.0
35°	343.5	343.0
37.5°	425.4	427.0
40°	517.3	521.0
42.5°	636.1	643.0
45°	771.7	782.0
47.5°	931.7	947.0
50°	1090.0	1106.0
52.5°	1242.0	1251.1
55°	1359.0	1360.1
57.5°	1438.4	1436.1
60°	1505.8	1504.1
62.5°	1571.0	1575.1
65°	1621.5	1628.1
67.5°	1660.6	1662.1
70°	1698.4	1703.1
72.5°	1736.0	1742.1
75°	1765.2	1772.1
77.5°	1790.1	1797.1
80°	1810.2	1809.1
82.5°	1824.3	1827.1
85°	1825.2	1842.1
87.5°	1817.0	1847.1
90°	1818.1	1825.1
92.5°	1817.0	1847.1
95°	1825.2	1842.1
97.5°	1824.3	1827.1
100°	1810.2	1809.1
102.5°	1790.1	1797.1
105°	1765.2	1772.1
107.5°	1736.0	1742.1
110°	1698.4	1703.1



TEST NUMBER: P231978

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1660.6	1662.1
115°	1621.5	1628.1
117.5°	1571.0	1575.1
120°	1505.8	1504.1
122.5°	1438.4	1436.1
125°	1359.0	1360.1
127.5°	1242.0	1251.1
130°	1090.0	1106.0
132.5°	931.7	947.0
135°	771.7	782.0
137.5°	636.1	643.0
140°	517.3	521.0
142.5°	425.4	427.0
145°	343.5	343.0
147.5°	278.1	276.0
150°	221.2	218.0
152.5°	180.6	177.0
155°	151.5	148.0
157.5°	139.3	137.0
160°	129.4	128.0
162.5°	128.4	128.0
165°	115.1	115.0
167.5°	92.3	92.0
170°	67.5	67.0
172.5°	51.4	51.0
175°	29.3	29.0
177.5°	13.2	13.0
180°	1.0	1.0

(END OF REPORT)