

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: P232077

Luminaire Tested: **FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-30)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

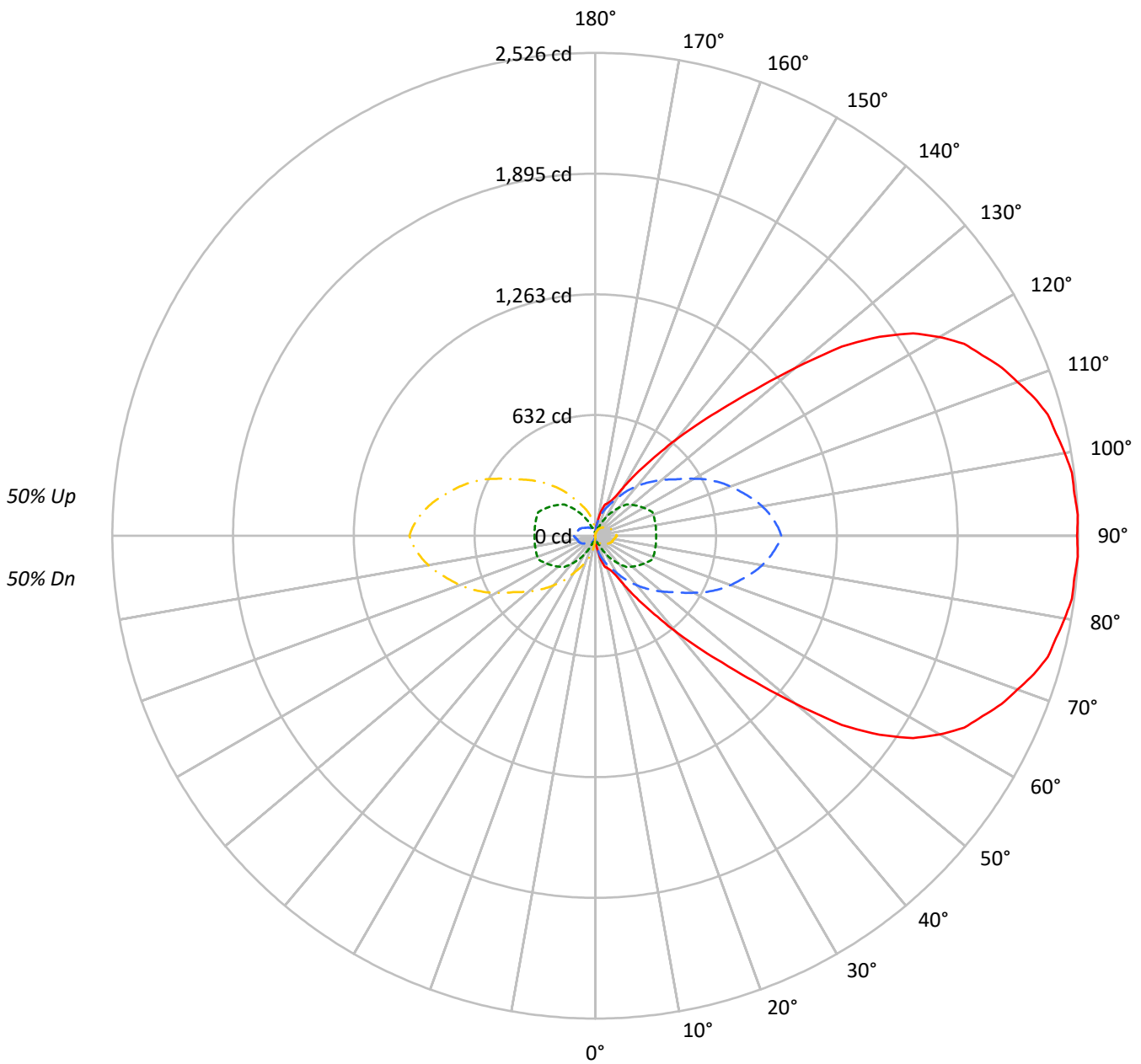
Lumens per Lamp: N/A
Luminaire Lumens: 5679.4 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 29.24 / 18.42 / 19.61
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 56.8
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	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°	16	16	16	16
5°	714	231	0	231
10°	1404	447	0	447
15°	2104	670	0	670
20°	2318	903	0	903
25°	2510	1454	0	1454
30°	3338	2363	0	2363
35°	4888	3364	0	3364
40°	7026	4491	0	4491
45°	9796	5798	8	5798
50°	13984	6821	8	6821
55°	18419	8086	8	8086
60°	21057	9705	8	9705
65°	22747	11846	8	11846
70°	24242	14338	17	14338
75°	25805	17449	17	17449
80°	27036	22555	0	22555
85°	28327	32352	0	32352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.0
10°-20°	18.4	0.3
20°-30°	49.4	0.9
30°-40°	113.6	2.0
40°-50°	222.8	3.9
50°-60°	397.0	7.0
60°-70°	576.4	10.1
70°-80°	699.5	12.3
80°-90°	760.2	13.4
90°-100°	760.2	13.4
100°-110°	699.5	12.3
110°-120°	576.4	10.1
120°-130°	397.0	7.0
130°-140°	222.8	3.9
140°-150°	113.6	2.0
150°-160°	49.4	0.9
160°-170°	18.4	0.3
170°-180°	2.5	0.0
0°-30°	70.3	1.2
0°-40°	183.9	3.2
0°-60°	803.6	14.2
0°-90°	2839.7	50.0
90°-120°	2036.1	35.8
90°-150°	2769.4	48.8
90°-180°	2840.0	50.0
0°-180°	5679.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	41	12	0	12	41	6
15°	149	34	0	34	149	42
25°	205	70	0	70	205	101
35°	441	150	0	150	441	288
45°	938	231	1	231	938	755
55°	1814	272	1	272	1814	1606
65°	2234	313	1	313	2234	2216
75°	2450	321	2	321	2450	2578
85°	2515	319	0	319	2515	2053
90°	2520	317	0	317	2520	1383
95°	2515	319	0	319	2515	2053
105°	2450	321	2	321	2450	2578
115°	2234	313	1	313	2234	2216
125°	1814	272	1	272	1814	1606
135°	938	231	1	231	938	755
145°	441	150	0	150	441	288
155°	205	70	0	70	205	101
165°	149	34	0	34	149	42
175°	41	12	0	12	41	6
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	17.9	18.1	18.4	18.6	18.9	19.1	19.3	18.8	18.8	18.7	18.6
5°	41.4	41.9	42.3	42.8	43.3	42.6	42.6	42.4	42.2	41.9	41.5
7.5°	67.4	68.0	68.7	69.3	68.7	68.7	68.5	68.2	67.7	67.1	66.3
10°	90.9	91.6	92.4	93.1	92.4	92.3	92.1	91.7	91.1	90.4	89.5
12.5°	119.3	119.9	120.6	120.0	119.7	119.2	118.5	117.5	116.3	114.9	113.3
15°	149.4	149.7	150.0	148.8	148.0	146.9	145.5	143.9	142.1	140.0	137.7
17.5°	172.1	172.6	173.0	172.0	171.4	170.4	169.1	167.5	165.5	163.2	160.6
20°	177.8	179.3	180.9	181.8	182.7	183.3	183.6	183.5	183.0	182.0	180.6
22.5°	189.2	191.9	194.6	196.2	197.8	199.0	199.8	200.0	199.6	198.6	197.0
25°	205.4	209.4	212.7	215.7	218.2	220.0	221.3	221.8	221.6	220.6	218.7
27.5°	233.8	238.5	241.9	244.9	247.2	248.7	249.5	249.6	248.9	247.4	245.6
30°	288.2	292.5	294.1	295.1	295.0	293.7	291.4	288.2	284.0	279.0	276.5
32.5°	358.8	361.7	360.8	359.3	356.2	351.8	346.2	339.5	331.9	324.4	317.5
35°	440.8	441.9	438.2	433.6	427.1	419.0	409.3	398.3	386.1	375.2	364.2
37.5°	534.2	533.7	527.2	519.5	509.2	496.5	481.7	464.9	447.1	431.4	415.1
40°	655.9	652.7	641.1	627.8	611.0	591.1	568.5	543.5	519.3	496.4	472.1
42.5°	787.5	783.4	768.9	752.0	730.3	704.0	673.3	638.4	605.9	572.9	538.5
45°	938.5	931.8	912.4	890.4	863.0	830.5	793.4	757.3	710.1	663.8	616.6
47.5°	1126.8	1117.0	1089.8	1059.1	1020.9	976.0	924.9	872.7	822.7	769.5	715.9
50°	1363.8	1350.5	1313.3	1271.0	1218.4	1156.1	1085.1	1017.3	949.1	876.9	815.6
52.5°	1626.1	1605.0	1555.8	1501.8	1437.3	1363.8	1282.7	1195.4	1099.6	1005.9	924.1
55°	1814.4	1786.2	1736.2	1682.8	1621.7	1554.2	1476.7	1377.2	1268.8	1157.2	1045.0
57.5°	1970.3	1935.2	1880.4	1822.9	1758.7	1689.4	1611.6	1527.5	1437.7	1307.7	1180.8
60°	2079.1	2042.0	1988.5	1931.6	1867.5	1796.8	1721.9	1646.2	1556.1	1444.4	1314.6
62.5°	2174.0	2132.2	2082.3	2024.3	1958.4	1885.8	1815.5	1742.6	1657.3	1564.2	1434.1
65°	2234.1	2200.3	2158.3	2106.2	2042.3	1971.4	1897.3	1818.6	1737.0	1647.0	1543.1
67.5°	2299.9	2269.2	2230.0	2181.3	2122.4	2050.7	1971.8	1888.1	1799.6	1711.2	1615.5
70°	2350.2	2329.6	2298.8	2254.7	2190.8	2116.1	2036.5	1948.7	1857.1	1764.4	1677.1
72.5°	2405.4	2389.2	2363.1	2325.8	2255.4	2170.6	2087.6	1998.2	1908.1	1817.5	1726.4
75°	2450.0	2437.3	2415.6	2371.1	2295.3	2211.2	2124.1	2043.2	1952.5	1858.7	1765.9
77.5°	2468.7	2467.7	2456.4	2410.5	2337.3	2240.2	2159.2	2077.8	1988.1	1889.7	1793.6
80°	2493.1	2490.0	2478.1	2446.3	2378.4	2283.7	2189.2	2105.6	2014.5	1912.0	1812.2
82.5°	2514.2	2505.7	2492.1	2463.5	2402.9	2305.4	2208.8	2118.5	2029.2	1933.5	1834.0
85°	2515.0	2523.0	2507.9	2476.3	2412.7	2312.2	2219.1	2131.6	2042.4	1948.4	1847.8
87.5°	2525.5	2528.5	2509.6	2483.6	2427.5	2325.3	2229.6	2134.3	2045.5	1951.5	1852.8
90°	2519.9	2524.7	2496.3	2481.7	2424.1	2317.7	2227.6	2124.5	2037.6	1943.5	1848.5
92.5°	2525.5	2528.5	2509.6	2483.6	2427.5	2325.3	2229.6	2134.3	2045.5	1951.5	1852.8
95°	2515.0	2523.0	2507.9	2476.3	2412.7	2312.2	2219.1	2131.6	2042.4	1948.4	1847.8
97.5°	2514.2	2505.7	2492.1	2463.5	2402.9	2305.4	2208.8	2118.5	2029.2	1933.5	1834.0
100°	2493.1	2490.0	2478.1	2446.3	2378.4	2283.7	2189.2	2105.6	2014.5	1912.0	1812.2
102.5°	2468.7	2467.7	2456.4	2410.5	2337.3	2240.2	2159.2	2077.8	1988.1	1889.7	1793.6
105°	2450.0	2437.3	2415.6	2371.1	2295.3	2211.2	2124.1	2043.2	1952.5	1858.7	1765.9
107.5°	2405.4	2389.2	2363.1	2325.8	2255.4	2170.6	2087.6	1998.2	1908.1	1817.5	1726.4
110°	2350.2	2329.6	2298.8	2254.7	2190.8	2116.1	2036.5	1948.7	1857.1	1764.4	1677.1



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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°	2299.9	2269.2	2230.0	2181.3	2122.4	2050.7	1971.8	1888.1	1799.6	1711.2	1615.5
115°	2234.1	2200.3	2158.3	2106.2	2042.3	1971.4	1897.3	1818.6	1737.0	1647.0	1543.1
117.5°	2174.0	2132.2	2082.3	2024.3	1958.4	1885.8	1815.5	1742.6	1657.3	1564.2	1434.1
120°	2079.1	2042.0	1988.5	1931.6	1867.5	1796.8	1721.9	1646.2	1556.1	1444.4	1314.6
122.5°	1970.3	1935.2	1880.4	1822.9	1758.7	1689.4	1611.6	1527.5	1437.7	1307.7	1180.8
125°	1814.4	1786.2	1736.2	1682.8	1621.7	1554.2	1476.7	1377.2	1268.8	1157.2	1045.0
127.5°	1626.1	1605.0	1555.8	1501.8	1437.3	1363.8	1282.7	1195.4	1099.6	1005.9	924.1
130°	1363.8	1350.5	1313.3	1271.0	1218.4	1156.1	1085.1	1017.3	949.1	876.9	815.6
132.5°	1126.8	1117.0	1089.8	1059.1	1020.9	976.0	924.9	872.7	822.7	769.5	715.9
135°	938.5	931.8	912.4	890.4	863.0	830.5	793.4	757.3	710.1	663.8	616.6
137.5°	787.5	783.4	768.9	752.0	730.3	704.0	673.3	638.4	605.9	572.9	538.5
140°	655.9	652.7	641.1	627.8	611.0	591.1	568.5	543.5	519.3	496.4	472.1
142.5°	534.2	533.7	527.2	519.5	509.2	496.5	481.7	464.9	447.1	431.4	415.1
145°	440.8	441.9	438.2	433.6	427.1	419.0	409.3	398.3	386.1	375.2	364.2
147.5°	358.8	361.7	360.8	359.3	356.2	351.8	346.2	339.5	331.9	324.4	317.5
150°	288.2	292.5	294.1	295.1	295.0	293.7	291.4	288.2	284.0	279.0	276.5
152.5°	233.8	238.5	241.9	244.9	247.2	248.7	249.5	249.6	248.9	247.4	245.6
155°	205.4	209.4	212.7	215.7	218.2	220.0	221.3	221.8	221.6	220.6	218.7
157.5°	189.2	191.9	194.6	196.2	197.8	199.0	199.8	200.0	199.6	198.6	197.0
160°	177.8	179.3	180.9	181.8	182.7	183.3	183.6	183.5	183.0	182.0	180.6
162.5°	172.1	172.6	173.0	172.0	171.4	170.4	169.1	167.5	165.5	163.2	160.6
165°	149.4	149.7	150.0	148.8	148.0	146.9	145.5	143.9	142.1	140.0	137.7
167.5°	119.3	119.9	120.6	120.0	119.7	119.2	118.5	117.5	116.3	114.9	113.3
170°	90.9	91.6	92.4	93.1	92.4	92.3	92.1	91.7	91.1	90.4	89.5
172.5°	67.4	68.0	68.7	69.3	68.7	68.7	68.5	68.2	67.7	67.1	66.3
175°	41.4	41.9	42.3	42.8	43.3	42.6	42.6	42.4	42.2	41.9	41.5
177.5°	17.9	18.1	18.4	18.6	18.9	19.1	19.3	18.8	18.8	18.7	18.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	18.5	18.4	18.2	18.0	17.7	17.4	17.1	16.8	16.4	16.0	15.6
5°	41.0	40.5	39.8	39.1	38.3	37.3	36.4	35.3	34.2	32.9	31.7
7.5°	65.5	64.4	63.3	62.0	60.6	59.1	57.4	55.7	53.8	51.9	50.0
10°	88.5	87.3	85.9	84.4	82.8	81.0	79.0	76.6	74.1	71.5	68.7
12.5°	111.5	109.5	107.4	105.0	102.7	100.5	98.1	95.5	92.8	90.0	87.1
15°	135.2	132.6	129.8	126.9	123.8	120.6	117.2	113.7	110.1	106.7	103.2
17.5°	157.7	154.5	151.0	147.4	143.6	139.8	135.9	131.9	127.6	123.3	118.9
20°	178.7	175.5	171.5	167.1	162.4	157.4	152.6	148.0	143.5	138.9	134.0
22.5°	195.0	192.8	189.8	186.2	181.8	176.3	170.3	163.9	157.3	152.2	147.1
25°	216.8	214.0	210.3	205.7	200.8	195.3	188.8	181.5	174.0	166.2	158.9
27.5°	243.2	239.7	235.2	230.0	224.2	217.4	210.6	201.4	192.1	182.3	173.2
30°	273.3	269.3	265.1	258.5	251.4	243.0	234.4	224.5	215.4	207.3	199.0
32.5°	309.8	301.5	295.1	288.8	281.7	272.9	263.2	253.5	244.2	234.7	225.8
35°	352.8	341.7	331.7	321.2	311.6	303.1	294.0	283.3	272.3	261.8	251.3
37.5°	398.3	384.0	370.5	358.7	345.4	332.8	322.1	311.6	300.2	288.1	276.6
40°	448.4	429.3	411.4	395.6	380.5	365.6	351.6	338.3	326.5	314.1	301.1
42.5°	508.9	482.3	457.0	436.8	417.9	399.4	382.0	366.7	351.7	338.7	325.2
45°	580.2	542.3	510.6	480.9	456.3	433.7	414.0	394.9	378.3	362.4	348.2
47.5°	662.8	612.5	570.2	530.0	498.4	470.1	446.0	424.6	404.3	386.8	370.5
50°	753.0	693.4	635.7	587.4	543.0	508.5	478.9	453.6	431.5	410.8	392.6
52.5°	844.2	775.1	708.2	647.7	594.7	547.3	512.5	483.2	458.7	434.9	424.4
55°	947.6	857.8	781.3	709.1	647.5	592.9	544.7	513.2	493.1	478.1	469.2
57.5°	1059.8	949.1	854.6	772.7	698.7	638.8	591.3	555.4	531.7	516.9	509.2
60°	1174.8	1046.7	931.3	834.2	758.4	694.4	641.4	596.1	569.3	552.7	545.1
62.5°	1290.7	1141.1	1015.5	912.0	823.4	747.6	689.4	640.8	604.3	584.1	577.0
65°	1397.1	1248.2	1106.7	988.5	889.8	804.6	733.5	680.2	638.2	615.6	607.7
67.5°	1500.5	1346.9	1199.1	1064.8	951.1	856.3	777.4	718.9	674.3	645.6	634.9
70°	1567.6	1428.6	1283.3	1132.8	1011.2	908.9	822.1	753.7	706.0	672.7	659.0
72.5°	1630.3	1490.7	1340.8	1196.1	1064.1	954.5	861.5	786.3	734.3	699.9	684.6
75°	1669.7	1547.3	1386.4	1245.4	1106.4	994.6	899.8	820.2	765.4	728.4	708.6
77.5°	1703.8	1594.7	1423.5	1283.3	1150.1	1035.5	938.6	855.6	794.6	754.9	731.7
80°	1723.8	1619.9	1469.5	1316.7	1185.7	1068.0	971.5	886.7	821.1	779.8	754.2
82.5°	1741.0	1641.4	1500.8	1340.7	1211.4	1092.5	998.8	913.7	845.1	803.0	776.1
85°	1750.8	1656.8	1518.1	1355.4	1228.0	1110.0	1020.9	936.9	866.9	824.8	797.4
87.5°	1753.0	1669.8	1527.6	1365.3	1239.6	1123.5	1040.2	957.9	887.4	845.8	818.4
90°	1747.8	1662.6	1514.0	1359.0	1237.2	1127.6	1051.3	972.6	904.4	864.6	838.6
92.5°	1753.0	1669.8	1527.6	1365.3	1239.6	1123.5	1040.2	957.9	887.4	845.8	818.4
95°	1750.8	1656.8	1518.1	1355.4	1228.0	1110.0	1020.9	936.9	866.9	824.8	797.4
97.5°	1741.0	1641.4	1500.8	1340.7	1211.4	1092.5	998.8	913.7	845.1	803.0	776.1
100°	1723.8	1619.9	1469.5	1316.7	1185.7	1068.0	971.5	886.7	821.1	779.8	754.2
102.5°	1703.8	1594.7	1423.5	1283.3	1150.1	1035.5	938.6	855.6	794.6	754.9	731.7
105°	1669.7	1547.3	1386.4	1245.4	1106.4	994.6	899.8	820.2	765.4	728.4	708.6
107.5°	1630.3	1490.7	1340.8	1196.1	1064.1	954.5	861.5	786.3	734.3	699.9	684.6
110°	1567.6	1428.6	1283.3	1132.8	1011.2	908.9	822.1	753.7	706.0	672.7	659.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-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°	1500.5	1346.9	1199.1	1064.8	951.1	856.3	777.4	718.9	674.3	645.6	634.9
115°	1397.1	1248.2	1106.7	988.5	889.8	804.6	733.5	680.2	638.2	615.6	607.7
117.5°	1290.7	1141.1	1015.5	912.0	823.4	747.6	689.4	640.8	604.3	584.1	577.0
120°	1174.8	1046.7	931.3	834.2	758.4	694.4	641.4	596.1	569.3	552.7	545.1
122.5°	1059.8	949.1	854.6	772.7	698.7	638.8	591.3	555.4	531.7	516.9	509.2
125°	947.6	857.8	781.3	709.1	647.5	592.9	544.7	513.2	493.1	478.1	469.2
127.5°	844.2	775.1	708.2	647.7	594.7	547.3	512.5	483.2	458.7	434.9	424.4
130°	753.0	693.4	635.7	587.4	543.0	508.5	478.9	453.6	431.5	410.8	392.6
132.5°	662.8	612.5	570.2	530.0	498.4	470.1	446.0	424.6	404.3	386.8	370.5
135°	580.2	542.3	510.6	480.9	456.3	433.7	414.0	394.9	378.3	362.4	348.2
137.5°	508.9	482.3	457.0	436.8	417.9	399.4	382.0	366.7	351.7	338.7	325.2
140°	448.4	429.3	411.4	395.6	380.5	365.6	351.6	338.3	326.5	314.1	301.1
142.5°	398.3	384.0	370.5	358.7	345.4	332.8	322.1	311.6	300.2	288.1	276.6
145°	352.8	341.7	331.7	321.2	311.6	303.1	294.0	283.3	272.3	261.8	251.3
147.5°	309.8	301.5	295.1	288.8	281.7	272.9	263.2	253.5	244.2	234.7	225.8
150°	273.3	269.3	265.1	258.5	251.4	243.0	234.4	224.5	215.4	207.3	199.0
152.5°	243.2	239.7	235.2	230.0	224.2	217.4	210.6	201.4	192.1	182.3	173.2
155°	216.8	214.0	210.3	205.7	200.8	195.3	188.8	181.5	174.0	166.2	158.9
157.5°	195.0	192.8	189.8	186.2	181.8	176.3	170.3	163.9	157.3	152.2	147.1
160°	178.7	175.5	171.5	167.1	162.4	157.4	152.6	148.0	143.5	138.9	134.0
162.5°	157.7	154.5	151.0	147.4	143.6	139.8	135.9	131.9	127.6	123.3	118.9
165°	135.2	132.6	129.8	126.9	123.8	120.6	117.2	113.7	110.1	106.7	103.2
167.5°	111.5	109.5	107.4	105.0	102.7	100.5	98.1	95.5	92.8	90.0	87.1
170°	88.5	87.3	85.9	84.4	82.8	81.0	79.0	76.6	74.1	71.5	68.7
172.5°	65.5	64.4	63.3	62.0	60.6	59.1	57.4	55.7	53.8	51.9	50.0
175°	41.0	40.5	39.8	39.1	38.3	37.3	36.4	35.3	34.2	32.9	31.7
177.5°	18.5	18.4	18.2	18.0	17.7	17.4	17.1	16.8	16.4	16.0	15.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	15.1	14.6	14.1	13.6	13.0	12.4	11.8	11.2	10.5	9.9	9.2
5°	30.3	28.9	27.4	26.3	25.2	24.0	22.8	21.6	20.3	18.9	17.6
7.5°	48.0	45.9	43.7	41.4	39.0	36.5	34.0	31.9	30.0	28.0	25.9
10°	65.8	62.8	59.9	56.7	53.5	50.2	46.9	43.4	39.9	37.0	34.3
12.5°	83.6	79.9	76.0	72.0	67.9	63.8	59.6	55.3	50.9	46.4	42.6
15°	99.5	95.8	92.4	87.1	82.2	77.3	72.2	67.1	61.9	56.5	51.1
17.5°	115.0	110.1	105.6	101.0	96.1	90.4	84.6	78.7	72.7	66.5	60.2
20°	129.0	123.9	118.8	113.7	108.4	103.1	96.6	90.0	83.3	76.4	69.3
22.5°	142.2	136.8	131.3	125.7	120.0	114.2	108.2	101.0	93.6	86.1	78.2
25°	153.1	147.9	142.6	136.8	133.2	129.3	125.0	120.2	114.0	107.4	100.0
27.5°	167.1	163.8	161.8	159.4	155.9	152.3	148.1	143.7	138.0	131.1	123.5
30°	192.6	186.6	182.5	180.3	177.7	174.2	170.3	166.1	162.0	154.4	147.1
32.5°	217.2	210.1	204.2	200.3	198.1	195.3	191.7	187.7	183.5	177.3	169.8
35°	241.8	232.9	226.1	220.4	217.5	215.4	212.2	208.9	204.8	199.9	192.2
37.5°	265.4	255.7	246.8	241.0	236.4	234.3	232.0	228.8	225.5	221.9	214.4
40°	288.9	277.2	268.0	260.0	255.4	252.5	251.1	248.4	245.5	242.5	236.3
42.5°	311.6	299.2	287.6	279.3	273.7	270.1	269.1	267.4	265.0	262.7	257.9
45°	334.0	320.0	307.6	297.9	290.6	287.9	286.6	285.9	284.0	282.3	279.2
47.5°	355.2	340.7	327.2	315.6	308.1	307.6	310.6	311.9	309.8	306.0	300.9
50°	376.1	362.6	360.1	360.7	361.2	359.1	354.9	349.9	342.3	332.9	323.4
52.5°	418.6	416.3	416.8	419.8	422.4	415.4	403.9	391.1	377.1	361.3	346.8
55°	465.5	466.2	469.7	475.5	484.1	474.9	456.9	435.3	414.2	391.8	371.3
57.5°	507.9	511.8	519.1	528.7	541.0	536.7	513.5	482.3	453.3	424.0	396.9
60°	545.5	553.5	565.2	579.1	595.4	600.6	573.4	532.0	494.6	457.6	423.4
62.5°	580.5	591.9	608.1	626.8	647.4	666.5	634.9	585.0	537.7	492.5	450.8
65°	612.2	626.7	648.1	672.2	697.5	725.6	696.3	640.2	582.4	528.5	478.8
67.5°	640.3	658.5	685.5	715.4	746.2	779.2	758.8	697.1	628.2	565.3	507.4
70°	666.1	688.6	720.8	754.7	784.6	811.8	793.2	724.7	647.2	577.7	514.3
72.5°	688.0	705.6	734.4	767.6	795.0	813.7	798.8	732.7	654.7	583.8	517.6
75°	706.1	718.5	745.5	780.8	808.0	818.8	803.7	739.2	661.2	589.4	520.5
77.5°	725.2	732.7	756.8	794.5	823.1	826.5	807.7	744.1	666.9	594.5	523.0
80°	745.2	747.9	768.5	808.7	839.9	836.2	810.9	747.6	671.7	599.1	525.0
82.5°	765.8	764.0	780.7	823.6	858.0	847.3	813.2	749.8	675.5	603.0	528.5
85°	786.8	780.8	793.6	839.1	876.8	860.7	816.5	752.7	680.2	607.7	528.5
87.5°	808.1	798.0	806.9	855.0	896.2	871.6	815.4	751.0	681.1	609.1	528.5
90°	828.9	815.9	822.4	872.7	914.9	882.4	814.2	749.3	681.9	610.5	528.5
92.5°	808.1	798.0	806.9	855.0	896.2	871.6	815.4	751.0	681.1	609.1	528.5
95°	786.8	780.8	793.6	839.1	876.8	860.7	816.5	752.7	680.2	607.7	528.5
97.5°	765.8	764.0	780.7	823.6	858.0	847.3	813.2	749.8	675.5	603.0	528.5
100°	745.2	747.9	768.5	808.7	839.9	836.2	810.9	747.6	671.7	599.1	525.0
102.5°	725.2	732.7	756.8	794.5	823.1	826.5	807.7	744.1	666.9	594.5	523.0
105°	706.1	718.5	745.5	780.8	808.0	818.8	803.7	739.2	661.2	589.4	520.5
107.5°	688.0	705.6	734.4	767.6	795.0	813.7	798.8	732.7	654.7	583.8	517.6
110°	666.1	688.6	720.8	754.7	784.6	811.8	793.2	724.7	647.2	577.7	514.3



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	640.3	658.5	685.5	715.4	746.2	779.2	758.8	697.1	628.2	565.3	507.4
115°	612.2	626.7	648.1	672.2	697.5	725.6	696.3	640.2	582.4	528.5	478.8
117.5°	580.5	591.9	608.1	626.8	647.4	666.5	634.9	585.0	537.7	492.5	450.8
120°	545.5	553.5	565.2	579.1	595.4	600.6	573.4	532.0	494.6	457.6	423.4
122.5°	507.9	511.8	519.1	528.7	541.0	536.7	513.5	482.3	453.3	424.0	396.9
125°	465.5	466.2	469.7	475.5	484.1	474.9	456.9	435.3	414.2	391.8	371.3
127.5°	418.6	416.3	416.8	419.8	422.4	415.4	403.9	391.1	377.1	361.3	346.8
130°	376.1	362.6	360.1	360.7	361.2	359.1	354.9	349.9	342.3	332.9	323.4
132.5°	355.2	340.7	327.2	315.6	308.1	307.6	310.6	311.9	309.8	306.0	300.9
135°	334.0	320.0	307.6	297.9	290.6	287.9	286.6	285.9	284.0	282.3	279.2
137.5°	311.6	299.2	287.6	279.3	273.7	270.1	269.1	267.4	265.0	262.7	257.9
140°	288.9	277.2	268.0	260.0	255.4	252.5	251.1	248.4	245.5	242.5	236.3
142.5°	265.4	255.7	246.8	241.0	236.4	234.3	232.0	228.8	225.5	221.9	214.4
145°	241.8	232.9	226.1	220.4	217.5	215.4	212.2	208.9	204.8	199.9	192.2
147.5°	217.2	210.1	204.2	200.3	198.1	195.3	191.7	187.7	183.5	177.3	169.8
150°	192.6	186.6	182.5	180.3	177.7	174.2	170.3	166.1	162.0	154.4	147.1
152.5°	167.1	163.8	161.8	159.4	155.9	152.3	148.1	143.7	138.0	131.1	123.5
155°	153.1	147.9	142.6	136.8	133.2	129.3	125.0	120.2	114.0	107.4	100.0
157.5°	142.2	136.8	131.3	125.7	120.0	114.2	108.2	101.0	93.6	86.1	78.2
160°	129.0	123.9	118.8	113.7	108.4	103.1	96.6	90.0	83.3	76.4	69.3
162.5°	115.0	110.1	105.6	101.0	96.1	90.4	84.6	78.7	72.7	66.5	60.2
165°	99.5	95.8	92.4	87.1	82.2	77.3	72.2	67.1	61.9	56.5	51.1
167.5°	83.6	79.9	76.0	72.0	67.9	63.8	59.6	55.3	50.9	46.4	42.6
170°	65.8	62.8	59.9	56.7	53.5	50.2	46.9	43.4	39.9	37.0	34.3
172.5°	48.0	45.9	43.7	41.4	39.0	36.5	34.0	31.9	30.0	28.0	25.9
175°	30.3	28.9	27.4	26.3	25.2	24.0	22.8	21.6	20.3	18.9	17.6
177.5°	15.1	14.6	14.1	13.6	13.0	12.4	11.8	11.2	10.5	9.9	9.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	8.5	7.8	7.0	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8
5°	16.2	14.7	13.3	11.8	11.7	11.6	11.5	11.3	11.1	10.9	10.7
7.5°	23.8	21.7	19.5	17.3	17.1	17.0	16.7	16.5	16.2	15.9	15.6
10°	31.5	28.6	25.7	22.8	22.6	22.3	22.0	21.7	21.3	20.9	20.6
12.5°	39.1	35.6	32.0	28.3	28.0	27.7	27.3	26.8	26.4	26.0	25.6
15°	46.8	42.5	38.2	33.8	33.4	33.0	32.5	32.0	31.6	31.1	30.6
17.5°	54.4	49.4	44.4	39.3	38.8	38.3	37.7	37.2	36.7	36.2	35.6
20°	62.1	56.3	50.6	44.8	44.2	43.6	42.9	42.4	41.9	41.2	40.8
22.5°	70.2	63.2	56.8	50.3	49.6	48.9	48.2	47.6	47.0	46.4	45.9
25°	92.0	84.4	77.5	70.3	68.9	67.2	65.4	63.4	61.2	59.2	57.0
27.5°	114.8	106.1	98.4	90.4	88.2	85.7	83.0	80.2	77.3	74.4	71.3
30°	137.6	127.8	119.3	110.4	107.4	104.0	100.4	96.5	92.7	88.8	84.7
32.5°	160.3	149.7	140.2	130.4	126.5	122.1	117.4	112.4	107.5	102.6	97.5
35°	182.9	171.6	161.1	150.5	145.5	140.0	134.0	127.9	121.8	115.8	109.7
37.5°	205.4	193.5	182.0	170.5	164.4	157.7	150.4	143.0	135.8	128.5	121.1
40°	227.8	215.3	202.9	190.5	183.2	175.2	166.5	157.7	149.0	140.7	131.8
42.5°	250.0	237.0	223.8	210.6	202.0	192.5	182.6	172.0	162.0	152.7	141.8
45°	271.5	258.7	244.7	230.6	220.6	209.6	197.8	185.9	174.7	163.4	151.3
47.5°	289.6	274.0	257.0	240.9	228.9	216.1	203.1	190.6	179.4	168.2	156.2
50°	308.2	289.2	269.2	251.2	237.0	221.9	207.0	193.3	181.1	169.3	156.8
52.5°	327.5	304.8	281.5	261.4	245.0	227.6	210.9	195.9	182.7	170.7	158.0
55°	347.5	320.7	293.8	271.7	252.9	233.0	214.6	198.5	184.4	172.3	159.7
57.5°	368.1	336.8	306.2	282.0	260.8	238.3	218.3	201.0	186.3	174.1	162.1
60°	389.3	353.2	318.6	292.3	268.5	243.5	221.8	203.5	188.4	176.4	165.4
62.5°	410.9	369.7	331.1	302.5	276.2	248.6	225.3	206.0	190.7	179.0	168.5
65°	432.9	386.3	343.5	312.8	283.9	253.6	228.8	208.4	193.2	182.1	172.5
67.5°	455.2	403.1	356.0	323.1	291.5	258.6	232.3	210.8	195.9	185.6	176.9
70°	459.7	406.3	358.5	322.5	289.2	255.6	229.6	208.8	194.7	185.3	177.7
72.5°	462.4	408.8	360.9	321.8	286.7	252.5	226.7	206.2	192.8	183.6	176.3
75°	464.8	411.1	364.8	321.2	284.3	249.6	223.9	203.9	190.9	182.0	175.2
77.5°	466.8	413.2	366.7	320.6	282.0	246.7	221.2	201.8	189.2	180.5	174.2
80°	468.4	416.5	368.7	319.9	279.7	244.0	218.7	199.9	187.7	179.1	173.4
82.5°	471.1	417.5	370.7	319.3	277.4	241.5	216.4	198.2	186.3	177.8	172.7
85°	471.3	418.5	372.7	318.7	275.2	239.0	214.2	196.7	185.0	176.6	172.2
87.5°	471.5	419.5	374.7	318.0	273.1	236.8	212.2	195.3	183.8	175.5	171.7
90°	471.7	420.5	376.7	317.4	271.1	234.6	210.3	194.0	182.7	174.5	171.3
92.5°	471.5	419.5	374.7	318.0	273.1	236.8	212.2	195.3	183.8	175.5	171.7
95°	471.3	418.5	372.7	318.7	275.2	239.0	214.2	196.7	185.0	176.6	172.2
97.5°	471.1	417.5	370.7	319.3	277.4	241.5	216.4	198.2	186.3	177.8	172.7
100°	468.4	416.5	368.7	319.9	279.7	244.0	218.7	199.9	187.7	179.1	173.4
102.5°	466.8	413.2	366.7	320.6	282.0	246.7	221.2	201.8	189.2	180.5	174.2
105°	464.8	411.1	364.8	321.2	284.3	249.6	223.9	203.9	190.9	182.0	175.2
107.5°	462.4	408.8	360.9	321.8	286.7	252.5	226.7	206.2	192.8	183.6	176.3
110°	459.7	406.3	358.5	322.5	289.2	255.6	229.6	208.8	194.7	185.3	177.7



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-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°	455.2	403.1	356.0	323.1	291.5	258.6	232.3	210.8	195.9	185.6	176.9
115°	432.9	386.3	343.5	312.8	283.9	253.6	228.8	208.4	193.2	182.1	172.5
117.5°	410.9	369.7	331.1	302.5	276.2	248.6	225.3	206.0	190.7	179.0	168.5
120°	389.3	353.2	318.6	292.3	268.5	243.5	221.8	203.5	188.4	176.4	165.4
122.5°	368.1	336.8	306.2	282.0	260.8	238.3	218.3	201.0	186.3	174.1	162.1
125°	347.5	320.7	293.8	271.7	252.9	233.0	214.6	198.5	184.4	172.3	159.7
127.5°	327.5	304.8	281.5	261.4	245.0	227.6	210.9	195.9	182.7	170.7	158.0
130°	308.2	289.2	269.2	251.2	237.0	221.9	207.0	193.3	181.1	169.3	156.8
132.5°	289.6	274.0	257.0	240.9	228.9	216.1	203.1	190.6	179.4	168.2	156.2
135°	271.5	258.7	244.7	230.6	220.6	209.6	197.8	185.9	174.7	163.4	151.3
137.5°	250.0	237.0	223.8	210.6	202.0	192.5	182.6	172.0	162.0	152.7	141.8
140°	227.8	215.3	202.9	190.5	183.2	175.2	166.5	157.7	149.0	140.7	131.8
142.5°	205.4	193.5	182.0	170.5	164.4	157.7	150.4	143.0	135.8	128.5	121.1
145°	182.9	171.6	161.1	150.5	145.5	140.0	134.0	127.9	121.8	115.8	109.7
147.5°	160.3	149.7	140.2	130.4	126.5	122.1	117.4	112.4	107.5	102.6	97.5
150°	137.6	127.8	119.3	110.4	107.4	104.0	100.4	96.5	92.7	88.8	84.7
152.5°	114.8	106.1	98.4	90.4	88.2	85.7	83.0	80.2	77.3	74.4	71.3
155°	92.0	84.4	77.5	70.3	68.9	67.2	65.4	63.4	61.2	59.2	57.0
157.5°	70.2	63.2	56.8	50.3	49.6	48.9	48.2	47.6	47.0	46.4	45.9
160°	62.1	56.3	50.6	44.8	44.2	43.6	42.9	42.4	41.9	41.2	40.8
162.5°	54.4	49.4	44.4	39.3	38.8	38.3	37.7	37.2	36.7	36.2	35.6
165°	46.8	42.5	38.2	33.8	33.4	33.0	32.5	32.0	31.6	31.1	30.6
167.5°	39.1	35.6	32.0	28.3	28.0	27.7	27.3	26.8	26.4	26.0	25.6
170°	31.5	28.6	25.7	22.8	22.6	22.3	22.0	21.7	21.3	20.9	20.6
172.5°	23.8	21.7	19.5	17.3	17.1	17.0	16.7	16.5	16.2	15.9	15.6
175°	16.2	14.7	13.3	11.8	11.7	11.6	11.5	11.3	11.1	10.9	10.7
177.5°	8.5	7.8	7.0	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.7	5.5	5.4	5.3	5.1	5.0	4.8	4.6	4.5	4.3	4.1
5°	10.5	10.2	10.0	9.7	9.4	9.1	8.9	8.6	8.3	7.9	7.6
7.5°	15.3	15.0	14.7	14.3	14.0	13.6	13.2	12.7	12.3	11.8	11.3
10°	20.2	19.9	19.4	19.0	18.5	18.0	17.5	17.0	16.4	15.8	15.1
12.5°	25.2	24.7	24.2	23.7	23.1	22.5	21.9	21.2	20.5	19.6	18.8
15°	30.1	29.6	29.1	28.5	27.8	27.0	26.2	25.3	24.4	23.4	22.4
17.5°	35.1	34.6	34.0	33.2	32.3	31.3	30.3	29.3	28.2	27.1	25.9
20°	40.2	39.6	38.7	37.7	36.7	35.6	34.4	33.3	32.1	30.9	29.7
22.5°	45.3	44.3	43.3	42.2	41.0	39.8	38.6	37.4	36.2	34.9	33.4
25°	54.6	51.9	49.3	46.6	45.3	44.2	43.0	41.8	40.2	38.6	36.9
27.5°	68.0	64.6	61.1	57.7	54.5	51.5	48.5	45.8	44.0	42.5	40.9
30°	80.6	76.3	71.9	67.7	63.6	59.6	55.9	52.5	49.6	47.0	44.4
32.5°	92.3	87.0	81.5	76.2	71.1	66.2	61.9	58.2	54.7	51.2	47.9
35°	103.2	96.7	89.8	83.3	77.2	71.6	66.8	62.4	58.1	54.3	51.3
37.5°	113.3	105.1	96.9	89.2	82.1	76.1	70.5	65.3	60.9	57.5	54.1
40°	122.6	112.5	102.9	94.0	86.4	79.4	73.2	67.9	63.9	60.1	56.4
42.5°	130.5	118.7	108.0	98.3	89.6	82.1	75.4	70.7	66.4	62.3	58.6
45°	137.7	124.5	112.2	101.7	92.3	84.0	78.3	73.2	68.7	64.5	60.5
47.5°	142.3	129.1	116.1	104.3	94.5	86.7	80.6	75.6	70.9	66.5	62.9
50°	143.2	130.4	118.4	107.2	96.9	89.4	83.2	77.8	73.0	68.9	65.2
52.5°	145.1	132.7	121.2	110.9	102.4	95.3	88.8	82.1	75.4	71.4	67.4
55°	147.5	135.8	124.8	115.4	108.6	102.5	96.5	90.1	83.5	76.6	70.1
57.5°	150.6	139.6	129.6	121.3	115.4	110.5	105.0	98.5	91.2	83.0	75.7
60°	154.2	143.8	135.0	128.3	123.5	119.2	114.1	106.8	97.7	88.6	80.3
62.5°	158.4	148.6	140.9	135.8	132.2	128.5	123.0	114.6	103.4	93.3	84.2
65°	163.2	154.2	147.4	143.8	141.5	138.2	131.5	121.0	108.6	97.2	87.3
67.5°	168.3	160.5	155.1	152.5	151.4	148.5	140.1	126.8	113.1	100.8	89.8
70°	170.4	164.5	161.4	161.2	161.3	158.1	148.2	132.1	117.2	104.0	91.9
72.5°	169.6	164.3	161.5	161.3	162.1	159.9	150.8	136.0	121.1	106.9	93.8
75°	169.0	164.3	161.5	161.2	161.8	159.1	150.1	136.6	122.4	108.5	95.4
77.5°	168.6	164.4	161.4	161.0	161.6	159.0	150.5	138.1	124.2	110.2	97.0
80°	168.4	164.6	161.2	160.7	161.4	159.5	151.8	140.5	126.4	112.4	99.3
82.5°	168.3	164.9	161.1	160.4	161.2	160.3	153.9	143.6	129.1	115.1	102.0
85°	168.4	165.4	160.9	160.0	161.1	161.4	156.7	147.2	132.3	118.4	105.4
87.5°	168.6	165.8	160.8	159.5	160.9	162.7	159.8	151.4	136.1	122.2	109.3
90°	168.9	166.4	160.7	159.1	160.7	164.0	163.2	155.9	140.4	126.6	113.7
92.5°	168.6	165.8	160.8	159.5	160.9	162.7	159.8	151.4	136.1	122.2	109.3
95°	168.4	165.4	160.9	160.0	161.1	161.4	156.7	147.2	132.3	118.4	105.4
97.5°	168.3	164.9	161.1	160.4	161.2	160.3	153.9	143.6	129.1	115.1	102.0
100°	168.4	164.6	161.2	160.7	161.4	159.5	151.8	140.5	126.4	112.4	99.3
102.5°	168.6	164.4	161.4	161.0	161.6	159.0	150.5	138.1	124.2	110.2	97.0
105°	169.0	164.3	161.5	161.2	161.8	159.1	150.1	136.6	122.4	108.5	95.4
107.5°	169.6	164.3	161.5	161.3	162.1	159.9	150.8	136.0	121.1	106.9	93.8
110°	170.4	164.5	161.4	161.2	161.3	158.1	148.2	132.1	117.2	104.0	91.9



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	168.3	160.5	155.1	152.5	151.4	148.5	140.1	126.8	113.1	100.8	89.8
115°	163.2	154.2	147.4	143.8	141.5	138.2	131.5	121.0	108.6	97.2	87.3
117.5°	158.4	148.6	140.9	135.8	132.2	128.5	123.0	114.6	103.4	93.3	84.2
120°	154.2	143.8	135.0	128.3	123.5	119.2	114.1	106.8	97.7	88.6	80.3
122.5°	150.6	139.6	129.6	121.3	115.4	110.5	105.0	98.5	91.2	83.0	75.7
125°	147.5	135.8	124.8	115.4	108.6	102.5	96.5	90.1	83.5	76.6	70.1
127.5°	145.1	132.7	121.2	110.9	102.4	95.3	88.8	82.1	75.4	71.4	67.4
130°	143.2	130.4	118.4	107.2	96.9	89.4	83.2	77.8	73.0	68.9	65.2
132.5°	142.3	129.1	116.1	104.3	94.5	86.7	80.6	75.6	70.9	66.5	62.9
135°	137.7	124.5	112.2	101.7	92.3	84.0	78.3	73.2	68.7	64.5	60.5
137.5°	130.5	118.7	108.0	98.3	89.6	82.1	75.4	70.7	66.4	62.3	58.6
140°	122.6	112.5	102.9	94.0	86.4	79.4	73.2	67.9	63.9	60.1	56.4
142.5°	113.3	105.1	96.9	89.2	82.1	76.1	70.5	65.3	60.9	57.5	54.1
145°	103.2	96.7	89.8	83.3	77.2	71.6	66.8	62.4	58.1	54.3	51.3
147.5°	92.3	87.0	81.5	76.2	71.1	66.2	61.9	58.2	54.7	51.2	47.9
150°	80.6	76.3	71.9	67.7	63.6	59.6	55.9	52.5	49.6	47.0	44.4
152.5°	68.0	64.6	61.1	57.7	54.5	51.5	48.5	45.8	44.0	42.5	40.9
155°	54.6	51.9	49.3	46.6	45.3	44.2	43.0	41.8	40.2	38.6	36.9
157.5°	45.3	44.3	43.3	42.2	41.0	39.8	38.6	37.4	36.2	34.9	33.4
160°	40.2	39.6	38.7	37.7	36.7	35.6	34.4	33.3	32.1	30.9	29.7
162.5°	35.1	34.6	34.0	33.2	32.3	31.3	30.3	29.3	28.2	27.1	25.9
165°	30.1	29.6	29.1	28.5	27.8	27.0	26.2	25.3	24.4	23.4	22.4
167.5°	25.2	24.7	24.2	23.7	23.1	22.5	21.9	21.2	20.5	19.6	18.8
170°	20.2	19.9	19.4	19.0	18.5	18.0	17.5	17.0	16.4	15.8	15.1
172.5°	15.3	15.0	14.7	14.3	14.0	13.6	13.2	12.7	12.3	11.8	11.3
175°	10.5	10.2	10.0	9.7	9.4	9.1	8.9	8.6	8.3	7.9	7.6
177.5°	5.7	5.5	5.4	5.3	5.1	5.0	4.8	4.6	4.5	4.3	4.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.4	2.1	1.9	1.7
5°	7.3	6.9	6.5	6.2	5.8	5.4	4.9	4.5	4.1	3.7	3.2
7.5°	10.8	10.3	9.8	9.2	8.6	8.0	7.4	6.8	6.1	5.5	4.8
10°	14.5	13.8	13.0	12.2	11.5	10.6	9.8	9.0	8.1	7.3	6.4
12.5°	17.9	17.0	16.1	15.1	14.2	13.2	12.1	11.1	10.0	9.0	7.9
15°	21.3	20.3	19.1	18.0	16.9	15.7	14.5	13.3	12.0	10.8	9.5
17.5°	24.7	23.6	22.4	21.1	19.8	18.4	17.0	15.5	14.0	12.5	11.0
20°	28.4	27.1	25.6	24.1	22.5	20.9	19.3	17.7	16.0	14.3	12.6
22.5°	31.9	30.2	28.6	27.0	25.4	23.7	21.9	20.0	18.0	16.0	14.1
25°	35.4	33.7	32.0	30.2	28.1	26.0	23.8	21.7	19.6	17.5	15.4
27.5°	39.2	37.0	34.8	32.5	30.3	28.2	26.0	23.8	21.5	19.1	16.7
30°	42.0	39.6	37.5	35.2	33.0	30.5	28.0	25.4	22.9	20.4	17.8
32.5°	45.2	42.8	40.4	37.7	35.1	32.4	29.7	27.0	24.3	21.6	18.9
35°	48.5	45.6	42.7	39.9	37.1	34.2	31.4	28.5	25.7	22.8	19.8
37.5°	50.9	47.8	44.8	41.9	39.1	36.0	33.0	29.7	26.5	23.4	20.4
40°	53.0	49.8	46.7	43.7	40.6	37.3	33.8	30.6	27.5	24.4	21.3
42.5°	55.0	51.8	48.6	45.1	41.6	38.3	35.2	31.9	28.4	25.0	21.7
45°	57.1	53.7	50.1	46.5	43.1	39.7	36.1	32.4	29.0	25.8	22.6
47.5°	59.2	55.4	51.8	48.2	44.5	40.6	36.9	33.4	29.9	26.6	23.3
50°	61.2	57.4	53.6	49.7	45.7	41.8	38.0	34.4	30.9	27.3	23.9
52.5°	63.3	59.4	55.3	51.1	46.9	42.9	39.1	35.4	31.7	28.3	25.0
55°	65.6	61.3	56.9	52.4	48.2	44.2	40.3	36.5	33.1	29.6	25.9
57.5°	69.2	63.4	58.4	53.9	49.7	45.5	41.7	38.0	34.1	30.2	26.0
60°	73.1	66.2	60.4	55.5	51.1	47.1	43.2	39.0	34.6	30.0	25.8
62.5°	75.9	68.3	62.0	56.9	52.7	48.8	44.4	39.4	34.4	30.0	25.9
65°	78.0	69.9	63.3	57.8	53.4	49.3	44.9	39.3	34.6	29.8	25.2
67.5°	79.7	71.0	64.1	58.5	53.4	48.4	43.3	39.4	34.4	29.1	24.3
70°	81.0	72.0	64.9	58.6	52.8	46.7	41.9	37.5	33.1	28.3	23.3
72.5°	81.9	73.0	65.4	58.3	51.5	45.3	40.3	35.5	30.9	26.5	22.2
75°	83.3	73.8	65.7	57.8	50.2	44.1	38.8	33.7	28.8	24.2	20.4
77.5°	85.2	75.2	66.0	57.3	49.2	42.9	37.5	32.2	26.9	22.2	18.4
80°	87.3	76.6	66.5	57.0	48.7	41.9	36.2	30.9	25.4	20.3	16.3
82.5°	89.6	78.2	67.1	57.1	48.3	40.8	34.4	28.8	23.6	18.8	14.3
85°	92.2	80.0	68.0	57.6	48.0	39.8	32.8	27.1	21.9	17.5	13.4
87.5°	95.3	82.3	69.4	58.5	48.0	39.2	31.5	25.9	20.8	17.0	13.7
90°	99.0	85.2	71.4	60.1	48.7	39.0	30.8	25.2	20.3	17.0	14.6
92.5°	95.3	82.3	69.4	58.5	48.0	39.2	31.5	25.9	20.8	17.0	13.7
95°	92.2	80.0	68.0	57.6	48.0	39.8	32.8	27.1	21.9	17.5	13.4
97.5°	89.6	78.2	67.1	57.1	48.3	40.8	34.4	28.8	23.6	18.8	14.3
100°	87.3	76.6	66.5	57.0	48.7	41.9	36.2	30.9	25.4	20.3	16.3
102.5°	85.2	75.2	66.0	57.3	49.2	42.9	37.5	32.2	26.9	22.2	18.4
105°	83.3	73.8	65.7	57.8	50.2	44.1	38.8	33.7	28.8	24.2	20.4
107.5°	81.9	73.0	65.4	58.3	51.5	45.3	40.3	35.5	30.9	26.5	22.2
110°	81.0	72.0	64.9	58.6	52.8	46.7	41.9	37.5	33.1	28.3	23.3



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-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°	79.7	71.0	64.1	58.5	53.4	48.4	43.3	39.4	34.4	29.1	24.3
115°	78.0	69.9	63.3	57.8	53.4	49.3	44.9	39.3	34.6	29.8	25.2
117.5°	75.9	68.3	62.0	56.9	52.7	48.8	44.4	39.4	34.4	30.0	25.9
120°	73.1	66.2	60.4	55.5	51.1	47.1	43.2	39.0	34.6	30.0	25.8
122.5°	69.2	63.4	58.4	53.9	49.7	45.5	41.7	38.0	34.1	30.2	26.0
125°	65.6	61.3	56.9	52.4	48.2	44.2	40.3	36.5	33.1	29.6	25.9
127.5°	63.3	59.4	55.3	51.1	46.9	42.9	39.1	35.4	31.7	28.3	25.0
130°	61.2	57.4	53.6	49.7	45.7	41.8	38.0	34.4	30.9	27.3	23.9
132.5°	59.2	55.4	51.8	48.2	44.5	40.6	36.9	33.4	29.9	26.6	23.3
135°	57.1	53.7	50.1	46.5	43.1	39.7	36.1	32.4	29.0	25.8	22.6
137.5°	55.0	51.8	48.6	45.1	41.6	38.3	35.2	31.9	28.4	25.0	21.7
140°	53.0	49.8	46.7	43.7	40.6	37.3	33.8	30.6	27.5	24.4	21.3
142.5°	50.9	47.8	44.8	41.9	39.1	36.0	33.0	29.7	26.5	23.4	20.4
145°	48.5	45.6	42.7	39.9	37.1	34.2	31.4	28.5	25.7	22.8	19.8
147.5°	45.2	42.8	40.4	37.7	35.1	32.4	29.7	27.0	24.3	21.6	18.9
150°	42.0	39.6	37.5	35.2	33.0	30.5	28.0	25.4	22.9	20.4	17.8
152.5°	39.2	37.0	34.8	32.5	30.3	28.2	26.0	23.8	21.5	19.1	16.7
155°	35.4	33.7	32.0	30.2	28.1	26.0	23.8	21.7	19.6	17.5	15.4
157.5°	31.9	30.2	28.6	27.0	25.4	23.7	21.9	20.0	18.0	16.0	14.1
160°	28.4	27.1	25.6	24.1	22.5	20.9	19.3	17.7	16.0	14.3	12.6
162.5°	24.7	23.6	22.4	21.1	19.8	18.4	17.0	15.5	14.0	12.5	11.0
165°	21.3	20.3	19.1	18.0	16.9	15.7	14.5	13.3	12.0	10.8	9.5
167.5°	17.9	17.0	16.1	15.1	14.2	13.2	12.1	11.1	10.0	9.0	7.9
170°	14.5	13.8	13.0	12.2	11.5	10.6	9.8	9.0	8.1	7.3	6.4
172.5°	10.8	10.3	9.8	9.2	8.6	8.0	7.4	6.8	6.1	5.5	4.8
175°	7.3	6.9	6.5	6.2	5.8	5.4	4.9	4.5	4.1	3.7	3.2
177.5°	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.4	2.1	1.9	1.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0	0.2	0.5	0.7	1.0
5°	2.8	2.3	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
7.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
10°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
12.5°	6.8	5.7	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
15°	8.2	6.8	5.5	4.1	2.8	1.4	0.0	1.4	2.8	4.1	5.5
17.5°	9.5	7.9	6.3	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.3
20°	10.9	9.1	7.3	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.3
22.5°	12.1	10.1	8.1	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.1
25°	13.2	11.1	8.9	6.7	4.5	2.2	0.0	2.2	4.5	6.7	8.9
27.5°	14.3	12.0	9.6	7.2	4.8	2.4	0.0	2.4	4.8	7.2	9.6
30°	15.3	12.8	10.2	7.7	5.1	2.6	0.0	2.6	5.1	7.7	10.2
32.5°	16.2	13.5	10.8	8.1	5.4	2.7	0.0	2.7	5.4	8.1	10.8
35°	16.9	14.0	11.2	8.4	5.6	2.8	0.0	2.8	5.6	8.4	11.2
37.5°	17.5	14.6	11.6	8.7	5.8	2.9	0.0	2.9	5.8	8.7	11.6
40°	18.1	15.0	11.9	8.9	5.9	3.0	0.0	3.0	5.9	8.9	11.9
42.5°	18.6	15.6	12.6	9.6	6.7	3.8	0.8	3.8	6.7	9.6	12.6
45°	19.4	16.2	13.1	10.0	6.9	3.9	0.8	3.9	6.9	10.0	13.1
47.5°	20.0	16.7	13.5	10.3	7.1	4.0	0.8	4.0	7.1	10.3	13.5
50°	20.6	17.3	14.1	10.8	7.5	4.1	0.8	4.1	7.5	10.8	14.1
52.5°	21.7	18.1	14.6	11.1	7.6	4.2	0.8	4.2	7.6	11.1	14.6
55°	22.2	18.4	14.6	11.0	7.6	4.2	0.8	4.2	7.6	11.0	14.6
57.5°	22.0	18.2	14.6	11.1	7.6	4.2	0.8	4.2	7.6	11.1	14.6
60°	22.1	18.4	14.6	10.9	7.5	4.1	0.8	4.1	7.5	10.9	14.6
62.5°	21.8	17.9	14.1	10.5	7.1	3.9	0.8	3.9	7.1	10.5	14.1
65°	21.0	17.1	13.4	10.0	6.7	3.7	0.8	3.7	6.7	10.0	13.4
67.5°	20.0	16.1	12.8	9.7	6.9	4.2	1.6	4.2	6.9	9.7	12.8
70°	18.8	15.3	12.3	9.5	6.7	4.1	1.6	4.1	6.7	9.5	12.3
72.5°	18.0	14.6	11.6	9.1	6.4	3.9	1.6	3.9	6.4	9.1	11.6
75°	17.3	13.8	10.8	8.1	5.5	3.4	1.6	3.4	5.5	8.1	10.8
77.5°	15.4	13.0	10.0	6.1	2.1	0.4	0.0	0.4	2.1	6.1	10.0
80°	13.0	10.8	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
82.5°	10.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	9.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	9.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.0	10.8	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
102.5°	15.4	13.0	10.0	6.1	2.1	0.4	0.0	0.4	2.1	6.1	10.0
105°	17.3	13.8	10.8	8.1	5.5	3.4	1.6	3.4	5.5	8.1	10.8
107.5°	18.0	14.6	11.6	9.1	6.4	3.9	1.6	3.9	6.4	9.1	11.6
110°	18.8	15.3	12.3	9.5	6.7	4.1	1.6	4.1	6.7	9.5	12.3



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	20.0	16.1	12.8	9.7	6.9	4.2	1.6	4.2	6.9	9.7	12.8
115°	21.0	17.1	13.4	10.0	6.7	3.7	0.8	3.7	6.7	10.0	13.4
117.5°	21.8	17.9	14.1	10.5	7.1	3.9	0.8	3.9	7.1	10.5	14.1
120°	22.1	18.4	14.6	10.9	7.5	4.1	0.8	4.1	7.5	10.9	14.6
122.5°	22.0	18.2	14.6	11.1	7.6	4.2	0.8	4.2	7.6	11.1	14.6
125°	22.2	18.4	14.6	11.0	7.6	4.2	0.8	4.2	7.6	11.0	14.6
127.5°	21.7	18.1	14.6	11.1	7.6	4.2	0.8	4.2	7.6	11.1	14.6
130°	20.6	17.3	14.1	10.8	7.5	4.1	0.8	4.1	7.5	10.8	14.1
132.5°	20.0	16.7	13.5	10.3	7.1	4.0	0.8	4.0	7.1	10.3	13.5
135°	19.4	16.2	13.1	10.0	6.9	3.9	0.8	3.9	6.9	10.0	13.1
137.5°	18.6	15.6	12.6	9.6	6.7	3.8	0.8	3.8	6.7	9.6	12.6
140°	18.1	15.0	11.9	8.9	5.9	3.0	0.0	3.0	5.9	8.9	11.9
142.5°	17.5	14.6	11.6	8.7	5.8	2.9	0.0	2.9	5.8	8.7	11.6
145°	16.9	14.0	11.2	8.4	5.6	2.8	0.0	2.8	5.6	8.4	11.2
147.5°	16.2	13.5	10.8	8.1	5.4	2.7	0.0	2.7	5.4	8.1	10.8
150°	15.3	12.8	10.2	7.7	5.1	2.6	0.0	2.6	5.1	7.7	10.2
152.5°	14.3	12.0	9.6	7.2	4.8	2.4	0.0	2.4	4.8	7.2	9.6
155°	13.2	11.1	8.9	6.7	4.5	2.2	0.0	2.2	4.5	6.7	8.9
157.5°	12.1	10.1	8.1	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.1
160°	10.9	9.1	7.3	5.5	3.7	1.8	0.0	1.8	3.7	5.5	7.3
162.5°	9.5	7.9	6.3	4.8	3.2	1.6	0.0	1.6	3.2	4.8	6.3
165°	8.2	6.8	5.5	4.1	2.8	1.4	0.0	1.4	2.8	4.1	5.5
167.5°	6.8	5.7	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
170°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.9	1.8	2.8	3.7
172.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
175°	2.8	2.3	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
177.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0	0.2	0.5	0.7	1.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.2	1.4	1.7	1.9	2.1	2.4	2.6	2.8	3.0	3.3	3.5
5°	2.3	2.8	3.2	3.7	4.1	4.5	4.9	5.4	5.8	6.2	6.5
7.5°	3.5	4.2	4.8	5.5	6.1	6.8	7.4	8.0	8.6	9.2	9.8
10°	4.6	5.5	6.4	7.3	8.1	9.0	9.8	10.6	11.5	12.2	13.0
12.5°	5.7	6.8	7.9	9.0	10.0	11.1	12.1	13.2	14.2	15.1	16.1
15°	6.8	8.2	9.5	10.8	12.0	13.3	14.5	15.7	16.9	18.0	19.1
17.5°	7.9	9.5	11.0	12.5	14.0	15.5	17.0	18.4	19.8	21.1	22.4
20°	9.1	10.9	12.6	14.3	16.0	17.7	19.3	20.9	22.5	24.1	25.6
22.5°	10.1	12.1	14.1	16.0	18.0	20.0	21.9	23.7	25.4	27.0	28.6
25°	11.1	13.2	15.4	17.5	19.6	21.7	23.8	26.0	28.1	30.2	32.0
27.5°	12.0	14.3	16.7	19.1	21.5	23.8	26.0	28.2	30.3	32.5	34.8
30°	12.8	15.3	17.8	20.4	22.9	25.4	28.0	30.5	33.0	35.2	37.5
32.5°	13.5	16.2	18.9	21.6	24.3	27.0	29.7	32.4	35.1	37.7	40.4
35°	14.0	16.9	19.8	22.8	25.7	28.5	31.4	34.2	37.1	39.9	42.7
37.5°	14.6	17.5	20.4	23.4	26.5	29.7	33.0	36.0	39.1	41.9	44.8
40°	15.0	18.1	21.3	24.4	27.5	30.6	33.8	37.3	40.6	43.7	46.7
42.5°	15.6	18.6	21.7	25.0	28.4	31.9	35.2	38.3	41.6	45.1	48.6
45°	16.2	19.4	22.6	25.8	29.0	32.4	36.1	39.7	43.1	46.5	50.1
47.5°	16.7	20.0	23.3	26.6	29.9	33.4	36.9	40.6	44.5	48.2	51.8
50°	17.3	20.6	23.9	27.3	30.9	34.4	38.0	41.8	45.7	49.7	53.6
52.5°	18.1	21.7	25.0	28.3	31.7	35.4	39.1	42.9	46.9	51.1	55.3
55°	18.4	22.2	25.9	29.6	33.1	36.5	40.3	44.2	48.2	52.4	56.9
57.5°	18.2	22.0	26.0	30.2	34.1	38.0	41.7	45.5	49.7	53.9	58.4
60°	18.4	22.1	25.8	30.0	34.6	39.0	43.2	47.1	51.1	55.5	60.4
62.5°	17.9	21.8	25.9	30.0	34.4	39.4	44.4	48.8	52.7	56.9	62.0
65°	17.1	21.0	25.2	29.8	34.6	39.3	44.9	49.3	53.4	57.8	63.3
67.5°	16.1	20.0	24.3	29.1	34.4	39.4	43.3	48.4	53.4	58.5	64.1
70°	15.3	18.8	23.3	28.3	33.1	37.5	41.9	46.7	52.8	58.6	64.9
72.5°	14.6	18.0	22.2	26.5	30.9	35.5	40.3	45.3	51.5	58.3	65.4
75°	13.8	17.3	20.4	24.2	28.8	33.7	38.8	44.1	50.2	57.8	65.7
77.5°	13.0	15.4	18.4	22.2	26.9	32.2	37.5	42.9	49.2	57.3	66.0
80°	10.8	13.0	16.3	20.3	25.4	30.9	36.2	41.9	48.7	57.0	66.5
82.5°	7.0	10.6	14.3	18.8	23.6	28.8	34.4	40.8	48.3	57.1	67.1
85°	2.8	9.2	13.4	17.5	21.9	27.1	32.8	39.8	48.0	57.6	68.0
87.5°	0.9	9.5	13.7	17.0	20.8	25.9	31.5	39.2	48.0	58.5	69.4
90°	0.0	10.6	14.6	17.0	20.3	25.2	30.8	39.0	48.7	60.1	71.4
92.5°	0.9	9.5	13.7	17.0	20.8	25.9	31.5	39.2	48.0	58.5	69.4
95°	2.8	9.2	13.4	17.5	21.9	27.1	32.8	39.8	48.0	57.6	68.0
97.5°	7.0	10.6	14.3	18.8	23.6	28.8	34.4	40.8	48.3	57.1	67.1
100°	10.8	13.0	16.3	20.3	25.4	30.9	36.2	41.9	48.7	57.0	66.5
102.5°	13.0	15.4	18.4	22.2	26.9	32.2	37.5	42.9	49.2	57.3	66.0
105°	13.8	17.3	20.4	24.2	28.8	33.7	38.8	44.1	50.2	57.8	65.7
107.5°	14.6	18.0	22.2	26.5	30.9	35.5	40.3	45.3	51.5	58.3	65.4
110°	15.3	18.8	23.3	28.3	33.1	37.5	41.9	46.7	52.8	58.6	64.9



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-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°	16.1	20.0	24.3	29.1	34.4	39.4	43.3	48.4	53.4	58.5	64.1
115°	17.1	21.0	25.2	29.8	34.6	39.3	44.9	49.3	53.4	57.8	63.3
117.5°	17.9	21.8	25.9	30.0	34.4	39.4	44.4	48.8	52.7	56.9	62.0
120°	18.4	22.1	25.8	30.0	34.6	39.0	43.2	47.1	51.1	55.5	60.4
122.5°	18.2	22.0	26.0	30.2	34.1	38.0	41.7	45.5	49.7	53.9	58.4
125°	18.4	22.2	25.9	29.6	33.1	36.5	40.3	44.2	48.2	52.4	56.9
127.5°	18.1	21.7	25.0	28.3	31.7	35.4	39.1	42.9	46.9	51.1	55.3
130°	17.3	20.6	23.9	27.3	30.9	34.4	38.0	41.8	45.7	49.7	53.6
132.5°	16.7	20.0	23.3	26.6	29.9	33.4	36.9	40.6	44.5	48.2	51.8
135°	16.2	19.4	22.6	25.8	29.0	32.4	36.1	39.7	43.1	46.5	50.1
137.5°	15.6	18.6	21.7	25.0	28.4	31.9	35.2	38.3	41.6	45.1	48.6
140°	15.0	18.1	21.3	24.4	27.5	30.6	33.8	37.3	40.6	43.7	46.7
142.5°	14.6	17.5	20.4	23.4	26.5	29.7	33.0	36.0	39.1	41.9	44.8
145°	14.0	16.9	19.8	22.8	25.7	28.5	31.4	34.2	37.1	39.9	42.7
147.5°	13.5	16.2	18.9	21.6	24.3	27.0	29.7	32.4	35.1	37.7	40.4
150°	12.8	15.3	17.8	20.4	22.9	25.4	28.0	30.5	33.0	35.2	37.5
152.5°	12.0	14.3	16.7	19.1	21.5	23.8	26.0	28.2	30.3	32.5	34.8
155°	11.1	13.2	15.4	17.5	19.6	21.7	23.8	26.0	28.1	30.2	32.0
157.5°	10.1	12.1	14.1	16.0	18.0	20.0	21.9	23.7	25.4	27.0	28.6
160°	9.1	10.9	12.6	14.3	16.0	17.7	19.3	20.9	22.5	24.1	25.6
162.5°	7.9	9.5	11.0	12.5	14.0	15.5	17.0	18.4	19.8	21.1	22.4
165°	6.8	8.2	9.5	10.8	12.0	13.3	14.5	15.7	16.9	18.0	19.1
167.5°	5.7	6.8	7.9	9.0	10.0	11.1	12.1	13.2	14.2	15.1	16.1
170°	4.6	5.5	6.4	7.3	8.1	9.0	9.8	10.6	11.5	12.2	13.0
172.5°	3.5	4.2	4.8	5.5	6.1	6.8	7.4	8.0	8.6	9.2	9.8
175°	2.3	2.8	3.2	3.7	4.1	4.5	4.9	5.4	5.8	6.2	6.5
177.5°	1.2	1.4	1.7	1.9	2.1	2.4	2.6	2.8	3.0	3.3	3.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.7	3.9	4.1	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.4
5°	6.9	7.3	7.6	7.9	8.3	8.6	8.9	9.1	9.4	9.7	10.0
7.5°	10.3	10.8	11.3	11.8	12.3	12.7	13.2	13.6	14.0	14.3	14.7
10°	13.8	14.5	15.1	15.8	16.4	17.0	17.5	18.0	18.5	19.0	19.4
12.5°	17.0	17.9	18.8	19.6	20.5	21.2	21.9	22.5	23.1	23.7	24.2
15°	20.3	21.3	22.4	23.4	24.4	25.3	26.2	27.0	27.8	28.5	29.1
17.5°	23.6	24.7	25.9	27.1	28.2	29.3	30.3	31.3	32.3	33.2	34.0
20°	27.1	28.4	29.7	30.9	32.1	33.3	34.4	35.6	36.7	37.7	38.7
22.5°	30.2	31.9	33.4	34.9	36.2	37.4	38.6	39.8	41.0	42.2	43.3
25°	33.7	35.4	36.9	38.6	40.2	41.8	43.0	44.2	45.3	46.6	49.3
27.5°	37.0	39.2	40.9	42.5	44.0	45.8	48.5	51.5	54.5	57.7	61.1
30°	39.6	42.0	44.4	47.0	49.6	52.5	55.9	59.6	63.6	67.7	71.9
32.5°	42.8	45.2	47.9	51.2	54.7	58.2	61.9	66.2	71.1	76.2	81.5
35°	45.6	48.5	51.3	54.3	58.1	62.4	66.8	71.6	77.2	83.3	89.8
37.5°	47.8	50.9	54.1	57.5	60.9	65.3	70.5	76.1	82.1	89.2	96.9
40°	49.8	53.0	56.4	60.1	63.9	67.9	73.2	79.4	86.4	94.0	102.9
42.5°	51.8	55.0	58.6	62.3	66.4	70.7	75.4	82.1	89.6	98.3	108.0
45°	53.7	57.1	60.5	64.5	68.7	73.2	78.3	84.0	92.3	101.7	112.2
47.5°	55.4	59.2	62.9	66.5	70.9	75.6	80.6	86.7	94.5	104.3	116.1
50°	57.4	61.2	65.2	68.9	73.0	77.8	83.2	89.4	96.9	107.2	118.4
52.5°	59.4	63.3	67.4	71.4	75.4	82.1	88.8	95.3	102.4	110.9	121.2
55°	61.3	65.6	70.1	76.6	83.5	90.1	96.5	102.5	108.6	115.4	124.8
57.5°	63.4	69.2	75.7	83.0	91.2	98.5	105.0	110.5	115.4	121.3	129.6
60°	66.2	73.1	80.3	88.6	97.7	106.8	114.1	119.2	123.5	128.3	135.0
62.5°	68.3	75.9	84.2	93.3	103.4	114.6	123.0	128.5	132.2	135.8	140.9
65°	69.9	78.0	87.3	97.2	108.6	121.0	131.5	138.2	141.5	143.8	147.4
67.5°	71.0	79.7	89.8	100.8	113.1	126.8	140.1	148.5	151.4	152.5	155.1
70°	72.0	81.0	91.9	104.0	117.2	132.1	148.2	158.1	161.3	161.2	161.4
72.5°	73.0	81.9	93.8	106.9	121.1	136.0	150.8	159.9	162.1	161.3	161.5
75°	73.8	83.3	95.3	108.5	122.4	136.6	150.1	159.1	161.8	161.2	161.5
77.5°	75.2	85.2	97.0	110.2	124.2	138.1	150.5	159.0	161.6	161.0	161.4
80°	76.6	87.3	99.3	112.4	126.4	140.5	151.8	159.5	161.4	160.7	161.2
82.5°	78.2	89.6	102.0	115.1	129.1	143.6	153.9	160.3	161.2	160.4	161.1
85°	80.0	92.2	105.4	118.4	132.3	147.2	156.7	161.4	161.1	160.0	160.9
87.5°	82.3	95.3	109.3	122.2	136.1	151.4	159.8	162.7	160.9	159.5	160.8
90°	85.2	99.0	113.7	126.6	140.4	155.9	163.2	164.0	160.7	159.1	160.7
92.5°	82.3	95.3	109.3	122.2	136.1	151.4	159.8	162.7	160.9	159.5	160.8
95°	80.0	92.2	105.4	118.4	132.3	147.2	156.7	161.4	161.1	160.0	160.9
97.5°	78.2	89.6	102.0	115.1	129.1	143.6	153.9	160.3	161.2	160.4	161.1
100°	76.6	87.3	99.3	112.4	126.4	140.5	151.8	159.5	161.4	160.7	161.2
102.5°	75.2	85.2	97.0	110.2	124.2	138.1	150.5	159.0	161.6	161.0	161.4
105°	73.8	83.3	95.3	108.5	122.4	136.6	150.1	159.1	161.8	161.2	161.5
107.5°	73.0	81.9	93.8	106.9	121.1	136.0	150.8	159.9	162.1	161.3	161.5
110°	72.0	81.0	91.9	104.0	117.2	132.1	148.2	158.1	161.3	161.2	161.4



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	71.0	79.7	89.8	100.8	113.1	126.8	140.1	148.5	151.4	152.5	155.1
115°	69.9	78.0	87.3	97.2	108.6	121.0	131.5	138.2	141.5	143.8	147.4
117.5°	68.3	75.9	84.2	93.3	103.4	114.6	123.0	128.5	132.2	135.8	140.9
120°	66.2	73.1	80.3	88.6	97.7	106.8	114.1	119.2	123.5	128.3	135.0
122.5°	63.4	69.2	75.7	83.0	91.2	98.5	105.0	110.5	115.4	121.3	129.6
125°	61.3	65.6	70.1	76.6	83.5	90.1	96.5	102.5	108.6	115.4	124.8
127.5°	59.4	63.3	67.4	71.4	75.4	82.1	88.8	95.3	102.4	110.9	121.2
130°	57.4	61.2	65.2	68.9	73.0	77.8	83.2	89.4	96.9	107.2	118.4
132.5°	55.4	59.2	62.9	66.5	70.9	75.6	80.6	86.7	94.5	104.3	116.1
135°	53.7	57.1	60.5	64.5	68.7	73.2	78.3	84.0	92.3	101.7	112.2
137.5°	51.8	55.0	58.6	62.3	66.4	70.7	75.4	82.1	89.6	98.3	108.0
140°	49.8	53.0	56.4	60.1	63.9	67.9	73.2	79.4	86.4	94.0	102.9
142.5°	47.8	50.9	54.1	57.5	60.9	65.3	70.5	76.1	82.1	89.2	96.9
145°	45.6	48.5	51.3	54.3	58.1	62.4	66.8	71.6	77.2	83.3	89.8
147.5°	42.8	45.2	47.9	51.2	54.7	58.2	61.9	66.2	71.1	76.2	81.5
150°	39.6	42.0	44.4	47.0	49.6	52.5	55.9	59.6	63.6	67.7	71.9
152.5°	37.0	39.2	40.9	42.5	44.0	45.8	48.5	51.5	54.5	57.7	61.1
155°	33.7	35.4	36.9	38.6	40.2	41.8	43.0	44.2	45.3	46.6	49.3
157.5°	30.2	31.9	33.4	34.9	36.2	37.4	38.6	39.8	41.0	42.2	43.3
160°	27.1	28.4	29.7	30.9	32.1	33.3	34.4	35.6	36.7	37.7	38.7
162.5°	23.6	24.7	25.9	27.1	28.2	29.3	30.3	31.3	32.3	33.2	34.0
165°	20.3	21.3	22.4	23.4	24.4	25.3	26.2	27.0	27.8	28.5	29.1
167.5°	17.0	17.9	18.8	19.6	20.5	21.2	21.9	22.5	23.1	23.7	24.2
170°	13.8	14.5	15.1	15.8	16.4	17.0	17.5	18.0	18.5	19.0	19.4
172.5°	10.3	10.8	11.3	11.8	12.3	12.7	13.2	13.6	14.0	14.3	14.7
175°	6.9	7.3	7.6	7.9	8.3	8.6	8.9	9.1	9.4	9.7	10.0
177.5°	3.7	3.9	4.1	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.5	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3	7.0
5°	10.2	10.5	10.7	10.9	11.1	11.3	11.5	11.6	11.7	11.8	13.3
7.5°	15.0	15.3	15.6	15.9	16.2	16.5	16.7	17.0	17.1	17.3	19.5
10°	19.9	20.2	20.6	20.9	21.3	21.7	22.0	22.3	22.6	22.8	25.7
12.5°	24.7	25.2	25.6	26.0	26.4	26.8	27.3	27.7	28.0	28.3	32.0
15°	29.6	30.1	30.6	31.1	31.6	32.0	32.5	33.0	33.4	33.8	38.2
17.5°	34.6	35.1	35.6	36.2	36.7	37.2	37.7	38.3	38.8	39.3	44.4
20°	39.6	40.2	40.8	41.2	41.9	42.4	42.9	43.6	44.2	44.8	50.6
22.5°	44.3	45.3	45.9	46.4	47.0	47.6	48.2	48.9	49.6	50.3	56.8
25°	51.9	54.6	57.0	59.2	61.2	63.4	65.4	67.2	68.9	70.3	77.5
27.5°	64.6	68.0	71.3	74.4	77.3	80.2	83.0	85.7	88.2	90.4	98.4
30°	76.3	80.6	84.7	88.8	92.7	96.5	100.4	104.0	107.4	110.4	119.3
32.5°	87.0	92.3	97.5	102.6	107.5	112.4	117.4	122.1	126.5	130.4	140.2
35°	96.7	103.2	109.7	115.8	121.8	127.9	134.0	140.0	145.5	150.5	161.1
37.5°	105.1	113.3	121.1	128.5	135.8	143.0	150.4	157.7	164.4	170.5	182.0
40°	112.5	122.6	131.8	140.7	149.0	157.7	166.5	175.2	183.2	190.5	202.9
42.5°	118.7	130.5	141.8	152.7	162.0	172.0	182.6	192.5	202.0	210.6	223.8
45°	124.5	137.7	151.3	163.4	174.7	185.9	197.8	209.6	220.6	230.6	244.7
47.5°	129.1	142.3	156.2	168.2	179.4	190.6	203.1	216.1	228.9	240.9	257.0
50°	130.4	143.2	156.8	169.3	181.1	193.3	207.0	221.9	237.0	251.2	269.2
52.5°	132.7	145.1	158.0	170.7	182.7	195.9	210.9	227.6	245.0	261.4	281.5
55°	135.8	147.5	159.7	172.3	184.4	198.5	214.6	233.0	252.9	271.7	293.8
57.5°	139.6	150.6	162.1	174.1	186.3	201.0	218.3	238.3	260.8	282.0	306.2
60°	143.8	154.2	165.4	176.4	188.4	203.5	221.8	243.5	268.5	292.3	318.6
62.5°	148.6	158.4	168.5	179.0	190.7	206.0	225.3	248.6	276.2	302.5	331.1
65°	154.2	163.2	172.5	182.1	193.2	208.4	228.8	253.6	283.9	312.8	343.5
67.5°	160.5	168.3	176.9	185.6	195.9	210.8	232.3	258.6	291.5	323.1	356.0
70°	164.5	170.4	177.7	185.3	194.7	208.8	229.6	255.6	289.2	322.5	358.5
72.5°	164.3	169.6	176.3	183.6	192.8	206.2	226.7	252.5	286.7	321.8	360.9
75°	164.3	169.0	175.2	182.0	190.9	203.9	223.9	249.6	284.3	321.2	364.8
77.5°	164.4	168.6	174.2	180.5	189.2	201.8	221.2	246.7	282.0	320.6	366.7
80°	164.6	168.4	173.4	179.1	187.7	199.9	218.7	244.0	279.7	319.9	368.7
82.5°	164.9	168.3	172.7	177.8	186.3	198.2	216.4	241.5	277.4	319.3	370.7
85°	165.4	168.4	172.2	176.6	185.0	196.7	214.2	239.0	275.2	318.7	372.7
87.5°	165.8	168.6	171.7	175.5	183.8	195.3	212.2	236.8	273.1	318.0	374.7
90°	166.4	168.9	171.3	174.5	182.7	194.0	210.3	234.6	271.1	317.4	376.7
92.5°	165.8	168.6	171.7	175.5	183.8	195.3	212.2	236.8	273.1	318.0	374.7
95°	165.4	168.4	172.2	176.6	185.0	196.7	214.2	239.0	275.2	318.7	372.7
97.5°	164.9	168.3	172.7	177.8	186.3	198.2	216.4	241.5	277.4	319.3	370.7
100°	164.6	168.4	173.4	179.1	187.7	199.9	218.7	244.0	279.7	319.9	368.7
102.5°	164.4	168.6	174.2	180.5	189.2	201.8	221.2	246.7	282.0	320.6	366.7
105°	164.3	169.0	175.2	182.0	190.9	203.9	223.9	249.6	284.3	321.2	364.8
107.5°	164.3	169.6	176.3	183.6	192.8	206.2	226.7	252.5	286.7	321.8	360.9
110°	164.5	170.4	177.7	185.3	194.7	208.8	229.6	255.6	289.2	322.5	358.5



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-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°	160.5	168.3	176.9	185.6	195.9	210.8	232.3	258.6	291.5	323.1	356.0
115°	154.2	163.2	172.5	182.1	193.2	208.4	228.8	253.6	283.9	312.8	343.5
117.5°	148.6	158.4	168.5	179.0	190.7	206.0	225.3	248.6	276.2	302.5	331.1
120°	143.8	154.2	165.4	176.4	188.4	203.5	221.8	243.5	268.5	292.3	318.6
122.5°	139.6	150.6	162.1	174.1	186.3	201.0	218.3	238.3	260.8	282.0	306.2
125°	135.8	147.5	159.7	172.3	184.4	198.5	214.6	233.0	252.9	271.7	293.8
127.5°	132.7	145.1	158.0	170.7	182.7	195.9	210.9	227.6	245.0	261.4	281.5
130°	130.4	143.2	156.8	169.3	181.1	193.3	207.0	221.9	237.0	251.2	269.2
132.5°	129.1	142.3	156.2	168.2	179.4	190.6	203.1	216.1	228.9	240.9	257.0
135°	124.5	137.7	151.3	163.4	174.7	185.9	197.8	209.6	220.6	230.6	244.7
137.5°	118.7	130.5	141.8	152.7	162.0	172.0	182.6	192.5	202.0	210.6	223.8
140°	112.5	122.6	131.8	140.7	149.0	157.7	166.5	175.2	183.2	190.5	202.9
142.5°	105.1	113.3	121.1	128.5	135.8	143.0	150.4	157.7	164.4	170.5	182.0
145°	96.7	103.2	109.7	115.8	121.8	127.9	134.0	140.0	145.5	150.5	161.1
147.5°	87.0	92.3	97.5	102.6	107.5	112.4	117.4	122.1	126.5	130.4	140.2
150°	76.3	80.6	84.7	88.8	92.7	96.5	100.4	104.0	107.4	110.4	119.3
152.5°	64.6	68.0	71.3	74.4	77.3	80.2	83.0	85.7	88.2	90.4	98.4
155°	51.9	54.6	57.0	59.2	61.2	63.4	65.4	67.2	68.9	70.3	77.5
157.5°	44.3	45.3	45.9	46.4	47.0	47.6	48.2	48.9	49.6	50.3	56.8
160°	39.6	40.2	40.8	41.2	41.9	42.4	42.9	43.6	44.2	44.8	50.6
162.5°	34.6	35.1	35.6	36.2	36.7	37.2	37.7	38.3	38.8	39.3	44.4
165°	29.6	30.1	30.6	31.1	31.6	32.0	32.5	33.0	33.4	33.8	38.2
167.5°	24.7	25.2	25.6	26.0	26.4	26.8	27.3	27.7	28.0	28.3	32.0
170°	19.9	20.2	20.6	20.9	21.3	21.7	22.0	22.3	22.6	22.8	25.7
172.5°	15.0	15.3	15.6	15.9	16.2	16.5	16.7	17.0	17.1	17.3	19.5
175°	10.2	10.5	10.7	10.9	11.1	11.3	11.5	11.6	11.7	11.8	13.3
177.5°	5.5	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3	7.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	7.8	8.5	9.2	9.9	10.5	11.2	11.8	12.4	13.0	13.6	14.1
5°	14.7	16.2	17.6	18.9	20.3	21.6	22.8	24.0	25.2	26.3	27.4
7.5°	21.7	23.8	25.9	28.0	30.0	31.9	34.0	36.5	39.0	41.4	43.7
10°	28.6	31.5	34.3	37.0	39.9	43.4	46.9	50.2	53.5	56.7	59.9
12.5°	35.6	39.1	42.6	46.4	50.9	55.3	59.6	63.8	67.9	72.0	76.0
15°	42.5	46.8	51.1	56.5	61.9	67.1	72.2	77.3	82.2	87.1	92.4
17.5°	49.4	54.4	60.2	66.5	72.7	78.7	84.6	90.4	96.1	101.0	105.6
20°	56.3	62.1	69.3	76.4	83.3	90.0	96.6	103.1	108.4	113.7	118.8
22.5°	63.2	70.2	78.2	86.1	93.6	101.0	108.2	114.2	120.0	125.7	131.3
25°	84.4	92.0	100.0	107.4	114.0	120.2	125.0	129.3	133.2	136.8	142.6
27.5°	106.1	114.8	123.5	131.1	138.0	143.7	148.1	152.3	155.9	159.4	161.8
30°	127.8	137.6	147.1	154.4	162.0	166.1	170.3	174.2	177.7	180.3	182.5
32.5°	149.7	160.3	169.8	177.3	183.5	187.7	191.7	195.3	198.1	200.3	204.2
35°	171.6	182.9	192.2	199.9	204.8	208.9	212.2	215.4	217.5	220.4	226.1
37.5°	193.5	205.4	214.4	221.9	225.5	228.8	232.0	234.3	236.4	241.0	246.8
40°	215.3	227.8	236.3	242.5	245.5	248.4	251.1	252.5	255.4	260.0	268.0
42.5°	237.0	250.0	257.9	262.7	265.0	267.4	269.1	270.1	273.7	279.3	287.6
45°	258.7	271.5	279.2	282.3	284.0	285.9	286.6	287.9	290.6	297.9	307.6
47.5°	274.0	289.6	300.9	306.0	309.8	311.9	310.6	307.6	308.1	315.6	327.2
50°	289.2	308.2	323.4	332.9	342.3	349.9	354.9	359.1	361.2	360.7	360.1
52.5°	304.8	327.5	346.8	361.3	377.1	391.1	403.9	415.4	422.4	419.8	416.8
55°	320.7	347.5	371.3	391.8	414.2	435.3	456.9	474.9	484.1	475.5	469.7
57.5°	336.8	368.1	396.9	424.0	453.3	482.3	513.5	536.7	541.0	528.7	519.1
60°	353.2	389.3	423.4	457.6	494.6	532.0	573.4	600.6	595.4	579.1	565.2
62.5°	369.7	410.9	450.8	492.5	537.7	585.0	634.9	666.5	647.4	626.8	608.1
65°	386.3	432.9	478.8	528.5	582.4	640.2	696.3	725.6	697.5	672.2	648.1
67.5°	403.1	455.2	507.4	565.3	628.2	697.1	758.8	779.2	746.2	715.4	685.5
70°	406.3	459.7	514.3	577.7	647.2	724.7	793.2	811.8	784.6	754.7	720.8
72.5°	408.8	462.4	517.6	583.8	654.7	732.7	798.8	813.7	795.0	767.6	734.4
75°	411.1	464.8	520.5	589.4	661.2	739.2	803.7	818.8	808.0	780.8	745.5
77.5°	413.2	466.8	523.0	594.5	666.9	744.1	807.7	826.5	823.1	794.5	756.8
80°	416.5	468.4	525.0	599.1	671.7	747.6	810.9	836.2	839.9	808.7	768.5
82.5°	417.5	471.1	528.5	603.0	675.5	749.8	813.2	847.3	858.0	823.6	780.7
85°	418.5	471.3	528.5	607.7	680.2	752.7	816.5	860.7	876.8	839.1	793.6
87.5°	419.5	471.5	528.5	609.1	681.1	751.0	815.4	871.6	896.2	855.0	806.9
90°	420.5	471.7	528.5	610.5	681.9	749.3	814.2	882.4	914.9	872.7	822.4
92.5°	419.5	471.5	528.5	609.1	681.1	751.0	815.4	871.6	896.2	855.0	806.9
95°	418.5	471.3	528.5	607.7	680.2	752.7	816.5	860.7	876.8	839.1	793.6
97.5°	417.5	471.1	528.5	603.0	675.5	749.8	813.2	847.3	858.0	823.6	780.7
100°	416.5	468.4	525.0	599.1	671.7	747.6	810.9	836.2	839.9	808.7	768.5
102.5°	413.2	466.8	523.0	594.5	666.9	744.1	807.7	826.5	823.1	794.5	756.8
105°	411.1	464.8	520.5	589.4	661.2	739.2	803.7	818.8	808.0	780.8	745.5
107.5°	408.8	462.4	517.6	583.8	654.7	732.7	798.8	813.7	795.0	767.6	734.4
110°	406.3	459.7	514.3	577.7	647.2	724.7	793.2	811.8	784.6	754.7	720.8



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	403.1	455.2	507.4	565.3	628.2	697.1	758.8	779.2	746.2	715.4	685.5
115°	386.3	432.9	478.8	528.5	582.4	640.2	696.3	725.6	697.5	672.2	648.1
117.5°	369.7	410.9	450.8	492.5	537.7	585.0	634.9	666.5	647.4	626.8	608.1
120°	353.2	389.3	423.4	457.6	494.6	532.0	573.4	600.6	595.4	579.1	565.2
122.5°	336.8	368.1	396.9	424.0	453.3	482.3	513.5	536.7	541.0	528.7	519.1
125°	320.7	347.5	371.3	391.8	414.2	435.3	456.9	474.9	484.1	475.5	469.7
127.5°	304.8	327.5	346.8	361.3	377.1	391.1	403.9	415.4	422.4	419.8	416.8
130°	289.2	308.2	323.4	332.9	342.3	349.9	354.9	359.1	361.2	360.7	360.1
132.5°	274.0	289.6	300.9	306.0	309.8	311.9	310.6	307.6	308.1	315.6	327.2
135°	258.7	271.5	279.2	282.3	284.0	285.9	286.6	287.9	290.6	297.9	307.6
137.5°	237.0	250.0	257.9	262.7	265.0	267.4	269.1	270.1	273.7	279.3	287.6
140°	215.3	227.8	236.3	242.5	245.5	248.4	251.1	252.5	255.4	260.0	268.0
142.5°	193.5	205.4	214.4	221.9	225.5	228.8	232.0	234.3	236.4	241.0	246.8
145°	171.6	182.9	192.2	199.9	204.8	208.9	212.2	215.4	217.5	220.4	226.1
147.5°	149.7	160.3	169.8	177.3	183.5	187.7	191.7	195.3	198.1	200.3	204.2
150°	127.8	137.6	147.1	154.4	162.0	166.1	170.3	174.2	177.7	180.3	182.5
152.5°	106.1	114.8	123.5	131.1	138.0	143.7	148.1	152.3	155.9	159.4	161.8
155°	84.4	92.0	100.0	107.4	114.0	120.2	125.0	129.3	133.2	136.8	142.6
157.5°	63.2	70.2	78.2	86.1	93.6	101.0	108.2	114.2	120.0	125.7	131.3
160°	56.3	62.1	69.3	76.4	83.3	90.0	96.6	103.1	108.4	113.7	118.8
162.5°	49.4	54.4	60.2	66.5	72.7	78.7	84.6	90.4	96.1	101.0	105.6
165°	42.5	46.8	51.1	56.5	61.9	67.1	72.2	77.3	82.2	87.1	92.4
167.5°	35.6	39.1	42.6	46.4	50.9	55.3	59.6	63.8	67.9	72.0	76.0
170°	28.6	31.5	34.3	37.0	39.9	43.4	46.9	50.2	53.5	56.7	59.9
172.5°	21.7	23.8	25.9	28.0	30.0	31.9	34.0	36.5	39.0	41.4	43.7
175°	14.7	16.2	17.6	18.9	20.3	21.6	22.8	24.0	25.2	26.3	27.4
177.5°	7.8	8.5	9.2	9.9	10.5	11.2	11.8	12.4	13.0	13.6	14.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	14.6	15.1	15.6	16.0	16.4	16.8	17.1	17.4	17.7	18.0	18.2
5°	28.9	30.3	31.7	32.9	34.2	35.3	36.4	37.3	38.3	39.1	39.8
7.5°	45.9	48.0	50.0	51.9	53.8	55.7	57.4	59.1	60.6	62.0	63.3
10°	62.8	65.8	68.7	71.5	74.1	76.6	79.0	81.0	82.8	84.4	85.9
12.5°	79.9	83.6	87.1	90.0	92.8	95.5	98.1	100.5	102.7	105.0	107.4
15°	95.8	99.5	103.2	106.7	110.1	113.7	117.2	120.6	123.8	126.9	129.8
17.5°	110.1	115.0	118.9	123.3	127.6	131.9	135.9	139.8	143.6	147.4	151.0
20°	123.9	129.0	134.0	138.9	143.5	148.0	152.6	157.4	162.4	167.1	171.5
22.5°	136.8	142.2	147.1	152.2	157.3	163.9	170.3	176.3	181.8	186.2	189.8
25°	147.9	153.1	158.9	166.2	174.0	181.5	188.8	195.3	200.8	205.7	210.3
27.5°	163.8	167.1	173.2	182.3	192.1	201.4	210.6	217.4	224.2	230.0	235.2
30°	186.6	192.6	199.0	207.3	215.4	224.5	234.4	243.0	251.4	258.5	265.1
32.5°	210.1	217.2	225.8	234.7	244.2	253.5	263.2	272.9	281.7	288.8	295.1
35°	232.9	241.8	251.3	261.8	272.3	283.3	294.0	303.1	311.6	321.2	331.7
37.5°	255.7	265.4	276.6	288.1	300.2	311.6	322.1	332.8	345.4	358.7	370.5
40°	277.2	288.9	301.1	314.1	326.5	338.3	351.6	365.6	380.5	395.6	411.4
42.5°	299.2	311.6	325.2	338.7	351.7	366.7	382.0	399.4	417.9	436.8	457.0
45°	320.0	334.0	348.2	362.4	378.3	394.9	414.0	433.7	456.3	480.9	510.6
47.5°	340.7	355.2	370.5	386.8	404.3	424.6	446.0	470.1	498.4	530.0	570.2
50°	362.6	376.1	392.6	410.8	431.5	453.6	478.9	508.5	543.0	587.4	635.7
52.5°	416.3	418.6	424.4	434.9	458.7	483.2	512.5	547.3	594.7	647.7	708.2
55°	466.2	465.5	469.2	478.1	493.1	513.2	544.7	592.9	647.5	709.1	781.3
57.5°	511.8	507.9	509.2	516.9	531.7	555.4	591.3	638.8	698.7	772.7	854.6
60°	553.5	545.5	545.1	552.7	569.3	596.1	641.4	694.4	758.4	834.2	931.3
62.5°	591.9	580.5	577.0	584.1	604.3	640.8	689.4	747.6	823.4	912.0	1015.5
65°	626.7	612.2	607.7	615.6	638.2	680.2	733.5	804.6	889.8	988.5	1106.7
67.5°	658.5	640.3	634.9	645.6	674.3	718.9	777.4	856.3	951.1	1064.8	1199.1
70°	688.6	666.1	659.0	672.7	706.0	753.7	822.1	908.9	1011.2	1132.8	1283.3
72.5°	705.6	688.0	684.6	699.9	734.3	786.3	861.5	954.5	1064.1	1196.1	1340.8
75°	718.5	706.1	708.6	728.4	765.4	820.2	899.8	994.6	1106.4	1245.4	1386.4
77.5°	732.7	725.2	731.7	754.9	794.6	855.6	938.6	1035.5	1150.1	1283.3	1423.5
80°	747.9	745.2	754.2	779.8	821.1	886.7	971.5	1068.0	1185.7	1316.7	1469.5
82.5°	764.0	765.8	776.1	803.0	845.1	913.7	998.8	1092.5	1211.4	1340.7	1500.8
85°	780.8	786.8	797.4	824.8	866.9	936.9	1020.9	1110.0	1228.0	1355.4	1518.1
87.5°	798.0	808.1	818.4	845.8	887.4	957.9	1040.2	1123.5	1239.6	1365.3	1527.6
90°	815.9	828.9	838.6	864.6	904.4	972.6	1051.3	1127.6	1237.2	1359.0	1514.0
92.5°	798.0	808.1	818.4	845.8	887.4	957.9	1040.2	1123.5	1239.6	1365.3	1527.6
95°	780.8	786.8	797.4	824.8	866.9	936.9	1020.9	1110.0	1228.0	1355.4	1518.1
97.5°	764.0	765.8	776.1	803.0	845.1	913.7	998.8	1092.5	1211.4	1340.7	1500.8
100°	747.9	745.2	754.2	779.8	821.1	886.7	971.5	1068.0	1185.7	1316.7	1469.5
102.5°	732.7	725.2	731.7	754.9	794.6	855.6	938.6	1035.5	1150.1	1283.3	1423.5
105°	718.5	706.1	708.6	728.4	765.4	820.2	899.8	994.6	1106.4	1245.4	1386.4
107.5°	705.6	688.0	684.6	699.9	734.3	786.3	861.5	954.5	1064.1	1196.1	1340.8
110°	688.6	666.1	659.0	672.7	706.0	753.7	822.1	908.9	1011.2	1132.8	1283.3



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-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°	658.5	640.3	634.9	645.6	674.3	718.9	777.4	856.3	951.1	1064.8	1199.1
115°	626.7	612.2	607.7	615.6	638.2	680.2	733.5	804.6	889.8	988.5	1106.7
117.5°	591.9	580.5	577.0	584.1	604.3	640.8	689.4	747.6	823.4	912.0	1015.5
120°	553.5	545.5	545.1	552.7	569.3	596.1	641.4	694.4	758.4	834.2	931.3
122.5°	511.8	507.9	509.2	516.9	531.7	555.4	591.3	638.8	698.7	772.7	854.6
125°	466.2	465.5	469.2	478.1	493.1	513.2	544.7	592.9	647.5	709.1	781.3
127.5°	416.3	418.6	424.4	434.9	458.7	483.2	512.5	547.3	594.7	647.7	708.2
130°	362.6	376.1	392.6	410.8	431.5	453.6	478.9	508.5	543.0	587.4	635.7
132.5°	340.7	355.2	370.5	386.8	404.3	424.6	446.0	470.1	498.4	530.0	570.2
135°	320.0	334.0	348.2	362.4	378.3	394.9	414.0	433.7	456.3	480.9	510.6
137.5°	299.2	311.6	325.2	338.7	351.7	366.7	382.0	399.4	417.9	436.8	457.0
140°	277.2	288.9	301.1	314.1	326.5	338.3	351.6	365.6	380.5	395.6	411.4
142.5°	255.7	265.4	276.6	288.1	300.2	311.6	322.1	332.8	345.4	358.7	370.5
145°	232.9	241.8	251.3	261.8	272.3	283.3	294.0	303.1	311.6	321.2	331.7
147.5°	210.1	217.2	225.8	234.7	244.2	253.5	263.2	272.9	281.7	288.8	295.1
150°	186.6	192.6	199.0	207.3	215.4	224.5	234.4	243.0	251.4	258.5	265.1
152.5°	163.8	167.1	173.2	182.3	192.1	201.4	210.6	217.4	224.2	230.0	235.2
155°	147.9	153.1	158.9	166.2	174.0	181.5	188.8	195.3	200.8	205.7	210.3
157.5°	136.8	142.2	147.1	152.2	157.3	163.9	170.3	176.3	181.8	186.2	189.8
160°	123.9	129.0	134.0	138.9	143.5	148.0	152.6	157.4	162.4	167.1	171.5
162.5°	110.1	115.0	118.9	123.3	127.6	131.9	135.9	139.8	143.6	147.4	151.0
165°	95.8	99.5	103.2	106.7	110.1	113.7	117.2	120.6	123.8	126.9	129.8
167.5°	79.9	83.6	87.1	90.0	92.8	95.5	98.1	100.5	102.7	105.0	107.4
170°	62.8	65.8	68.7	71.5	74.1	76.6	79.0	81.0	82.8	84.4	85.9
172.5°	45.9	48.0	50.0	51.9	53.8	55.7	57.4	59.1	60.6	62.0	63.3
175°	28.9	30.3	31.7	32.9	34.2	35.3	36.4	37.3	38.3	39.1	39.8
177.5°	14.6	15.1	15.6	16.0	16.4	16.8	17.1	17.4	17.7	18.0	18.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	18.4	18.5	18.6	18.7	18.8	18.8	19.3	19.1	18.9	18.6	18.4
5°	40.5	41.0	41.5	41.9	42.2	42.4	42.6	42.6	43.3	42.8	42.3
7.5°	64.4	65.5	66.3	67.1	67.7	68.2	68.5	68.7	68.7	69.3	68.7
10°	87.3	88.5	89.5	90.4	91.1	91.7	92.1	92.3	92.4	93.1	92.4
12.5°	109.5	111.5	113.3	114.9	116.3	117.5	118.5	119.2	119.7	120.0	120.6
15°	132.6	135.2	137.7	140.0	142.1	143.9	145.5	146.9	148.0	148.8	150.0
17.5°	154.5	157.7	160.6	163.2	165.5	167.5	169.1	170.4	171.4	172.0	173.0
20°	175.5	178.7	180.6	182.0	183.0	183.5	183.6	183.3	182.7	181.8	180.9
22.5°	192.8	195.0	197.0	198.6	199.6	200.0	199.8	199.0	197.8	196.2	194.6
25°	214.0	216.8	218.7	220.6	221.6	221.8	221.3	220.0	218.2	215.7	212.7
27.5°	239.7	243.2	245.6	247.4	248.9	249.6	249.5	248.7	247.2	244.9	241.9
30°	269.3	273.3	276.5	279.0	284.0	288.2	291.4	293.7	295.0	295.1	294.1
32.5°	301.5	309.8	317.5	324.4	331.9	339.5	346.2	351.8	356.2	359.3	360.8
35°	341.7	352.8	364.2	375.2	386.1	398.3	409.3	419.0	427.1	433.6	438.2
37.5°	384.0	398.3	415.1	431.4	447.1	464.9	481.7	496.5	509.2	519.5	527.2
40°	429.3	448.4	472.1	496.4	519.3	543.5	568.5	591.1	611.0	627.8	641.1
42.5°	482.3	508.9	538.5	572.9	605.9	638.4	673.3	704.0	730.3	752.0	768.9
45°	542.3	580.2	616.6	663.8	710.1	757.3	793.4	830.5	863.0	890.4	912.4
47.5°	612.5	662.8	715.9	769.5	822.7	872.7	924.9	976.0	1020.9	1059.1	1089.8
50°	693.4	753.0	815.6	876.9	949.1	1017.3	1085.1	1156.1	1218.4	1271.0	1313.3
52.5°	775.1	844.2	924.1	1005.9	1099.6	1195.4	1282.7	1363.8	1437.3	1501.8	1555.8
55°	857.8	947.6	1045.0	1157.2	1268.8	1377.2	1476.7	1554.2	1621.7	1682.8	1736.2
57.5°	949.1	1059.8	1180.8	1307.7	1437.7	1527.5	1611.6	1689.4	1758.7	1822.9	1880.4
60°	1046.7	1174.8	1314.6	1444.4	1556.1	1646.2	1721.9	1796.8	1867.5	1931.6	1988.5
62.5°	1141.1	1290.7	1434.1	1564.2	1657.3	1742.6	1815.5	1885.8	1958.4	2024.3	2082.3
65°	1248.2	1397.1	1543.1	1647.0	1737.0	1818.6	1897.3	1971.4	2042.3	2106.2	2158.3
67.5°	1346.9	1500.5	1615.5	1711.2	1799.6	1888.1	1971.8	2050.7	2122.4	2181.3	2230.0
70°	1428.6	1567.6	1677.1	1764.4	1857.1	1948.7	2036.5	2116.1	2190.8	2254.7	2298.8
72.5°	1490.7	1630.3	1726.4	1817.5	1908.1	1998.2	2087.6	2170.6	2255.4	2325.8	2363.1
75°	1547.3	1669.7	1765.9	1858.7	1952.5	2043.2	2124.1	2211.2	2295.3	2371.1	2415.6
77.5°	1594.7	1703.8	1793.6	1889.7	1988.1	2077.8	2159.2	2240.2	2337.3	2410.5	2456.4
80°	1619.9	1723.8	1812.2	1912.0	2014.5	2105.6	2189.2	2283.7	2378.4	2446.3	2478.1
82.5°	1641.4	1741.0	1834.0	1933.5	2029.2	2118.5	2208.8	2305.4	2402.9	2463.5	2492.1
85°	1656.8	1750.8	1847.8	1948.4	2042.4	2131.6	2219.1	2312.2	2412.7	2476.3	2507.9
87.5°	1669.8	1753.0	1852.8	1951.5	2045.5	2134.3	2229.6	2325.3	2427.5	2483.6	2509.6
90°	1662.6	1747.8	1848.5	1943.5	2037.6	2124.5	2227.6	2317.7	2424.1	2481.7	2496.3
92.5°	1669.8	1753.0	1852.8	1951.5	2045.5	2134.3	2229.6	2325.3	2427.5	2483.6	2509.6
95°	1656.8	1750.8	1847.8	1948.4	2042.4	2131.6	2219.1	2312.2	2412.7	2476.3	2507.9
97.5°	1641.4	1741.0	1834.0	1933.5	2029.2	2118.5	2208.8	2305.4	2402.9	2463.5	2492.1
100°	1619.9	1723.8	1812.2	1912.0	2014.5	2105.6	2189.2	2283.7	2378.4	2446.3	2478.1
102.5°	1594.7	1703.8	1793.6	1889.7	1988.1	2077.8	2159.2	2240.2	2337.3	2410.5	2456.4
105°	1547.3	1669.7	1765.9	1858.7	1952.5	2043.2	2124.1	2211.2	2295.3	2371.1	2415.6
107.5°	1490.7	1630.3	1726.4	1817.5	1908.1	1998.2	2087.6	2170.6	2255.4	2325.8	2363.1
110°	1428.6	1567.6	1677.1	1764.4	1857.1	1948.7	2036.5	2116.1	2190.8	2254.7	2298.8



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CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1346.9	1500.5	1615.5	1711.2	1799.6	1888.1	1971.8	2050.7	2122.4	2181.3	2230.0
115°	1248.2	1397.1	1543.1	1647.0	1737.0	1818.6	1897.3	1971.4	2042.3	2106.2	2158.3
117.5°	1141.1	1290.7	1434.1	1564.2	1657.3	1742.6	1815.5	1885.8	1958.4	2024.3	2082.3
120°	1046.7	1174.8	1314.6	1444.4	1556.1	1646.2	1721.9	1796.8	1867.5	1931.6	1988.5
122.5°	949.1	1059.8	1180.8	1307.7	1437.7	1527.5	1611.6	1689.4	1758.7	1822.9	1880.4
125°	857.8	947.6	1045.0	1157.2	1268.8	1377.2	1476.7	1554.2	1621.7	1682.8	1736.2
127.5°	775.1	844.2	924.1	1005.9	1099.6	1195.4	1282.7	1363.8	1437.3	1501.8	1555.8
130°	693.4	753.0	815.6	876.9	949.1	1017.3	1085.1	1156.1	1218.4	1271.0	1313.3
132.5°	612.5	662.8	715.9	769.5	822.7	872.7	924.9	976.0	1020.9	1059.1	1089.8
135°	542.3	580.2	616.6	663.8	710.1	757.3	793.4	830.5	863.0	890.4	912.4
137.5°	482.3	508.9	538.5	572.9	605.9	638.4	673.3	704.0	730.3	752.0	768.9
140°	429.3	448.4	472.1	496.4	519.3	543.5	568.5	591.1	611.0	627.8	641.1
142.5°	384.0	398.3	415.1	431.4	447.1	464.9	481.7	496.5	509.2	519.5	527.2
145°	341.7	352.8	364.2	375.2	386.1	398.3	409.3	419.0	427.1	433.6	438.2
147.5°	301.5	309.8	317.5	324.4	331.9	339.5	346.2	351.8	356.2	359.3	360.8
150°	269.3	273.3	276.5	279.0	284.0	288.2	291.4	293.7	295.0	295.1	294.1
152.5°	239.7	243.2	245.6	247.4	248.9	249.6	249.5	248.7	247.2	244.9	241.9
155°	214.0	216.8	218.7	220.6	221.6	221.8	221.3	220.0	218.2	215.7	212.7
157.5°	192.8	195.0	197.0	198.6	199.6	200.0	199.8	199.0	197.8	196.2	194.6
160°	175.5	178.7	180.6	182.0	183.0	183.5	183.6	183.3	182.7	181.8	180.9
162.5°	154.5	157.7	160.6	163.2	165.5	167.5	169.1	170.4	171.4	172.0	173.0
165°	132.6	135.2	137.7	140.0	142.1	143.9	145.5	146.9	148.0	148.8	150.0
167.5°	109.5	111.5	113.3	114.9	116.3	117.5	118.5	119.2	119.7	120.0	120.6
170°	87.3	88.5	89.5	90.4	91.1	91.7	92.1	92.3	92.4	93.1	92.4
172.5°	64.4	65.5	66.3	67.1	67.7	68.2	68.5	68.7	68.7	69.3	68.7
175°	40.5	41.0	41.5	41.9	42.2	42.4	42.6	42.6	43.3	42.8	42.3
177.5°	18.4	18.5	18.6	18.7	18.8	18.8	19.3	19.1	18.9	18.6	18.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.8	0.8
2.5°	18.1	17.9
5°	41.9	41.4
7.5°	68.0	67.4
10°	91.6	90.9
12.5°	119.9	119.3
15°	149.7	149.4
17.5°	172.6	172.1
20°	179.3	177.8
22.5°	191.9	189.2
25°	209.4	205.4
27.5°	238.5	233.8
30°	292.5	288.2
32.5°	361.7	358.8
35°	441.9	440.8
37.5°	533.7	534.2
40°	652.7	655.9
42.5°	783.4	787.5
45°	931.8	938.5
47.5°	1117.0	1126.8
50°	1350.5	1363.8
52.5°	1605.0	1626.1
55°	1786.2	1814.4
57.5°	1935.2	1970.3
60°	2042.0	2079.1
62.5°	2132.2	2174.0
65°	2200.3	2234.1
67.5°	2269.2	2299.9
70°	2329.6	2350.2
72.5°	2389.2	2405.4
75°	2437.3	2450.0
77.5°	2467.7	2468.7
80°	2490.0	2493.1
82.5°	2505.7	2514.2
85°	2523.0	2515.0
87.5°	2528.5	2525.5
90°	2524.7	2519.9
92.5°	2528.5	2525.5
95°	2523.0	2515.0
97.5°	2505.7	2514.2
100°	2490.0	2493.1
102.5°	2467.7	2468.7
105°	2437.3	2450.0
107.5°	2389.2	2405.4
110°	2329.6	2350.2



TEST NUMBER: P232077

CATALOG NUMBER: FVS4WM-3-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2269.2	2299.9
115°	2200.3	2234.1
117.5°	2132.2	2174.0
120°	2042.0	2079.1
122.5°	1935.2	1970.3
125°	1786.2	1814.4
127.5°	1605.0	1626.1
130°	1350.5	1363.8
132.5°	1117.0	1126.8
135°	931.8	938.5
137.5°	783.4	787.5
140°	652.7	655.9
142.5°	533.7	534.2
145°	441.9	440.8
147.5°	361.7	358.8
150°	292.5	288.2
152.5°	238.5	233.8
155°	209.4	205.4
157.5°	191.9	189.2
160°	179.3	177.8
162.5°	172.6	172.1
165°	149.7	149.4
167.5°	119.9	119.3
170°	91.6	90.9
172.5°	68.0	67.4
175°	41.9	41.4
177.5°	18.1	17.9
180°	0.0	0.0

(END OF REPORT)