

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: P232078

Luminaire Tested: **FVS4WM-3-LD4-40-2LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232078
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-LD4-40-2LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

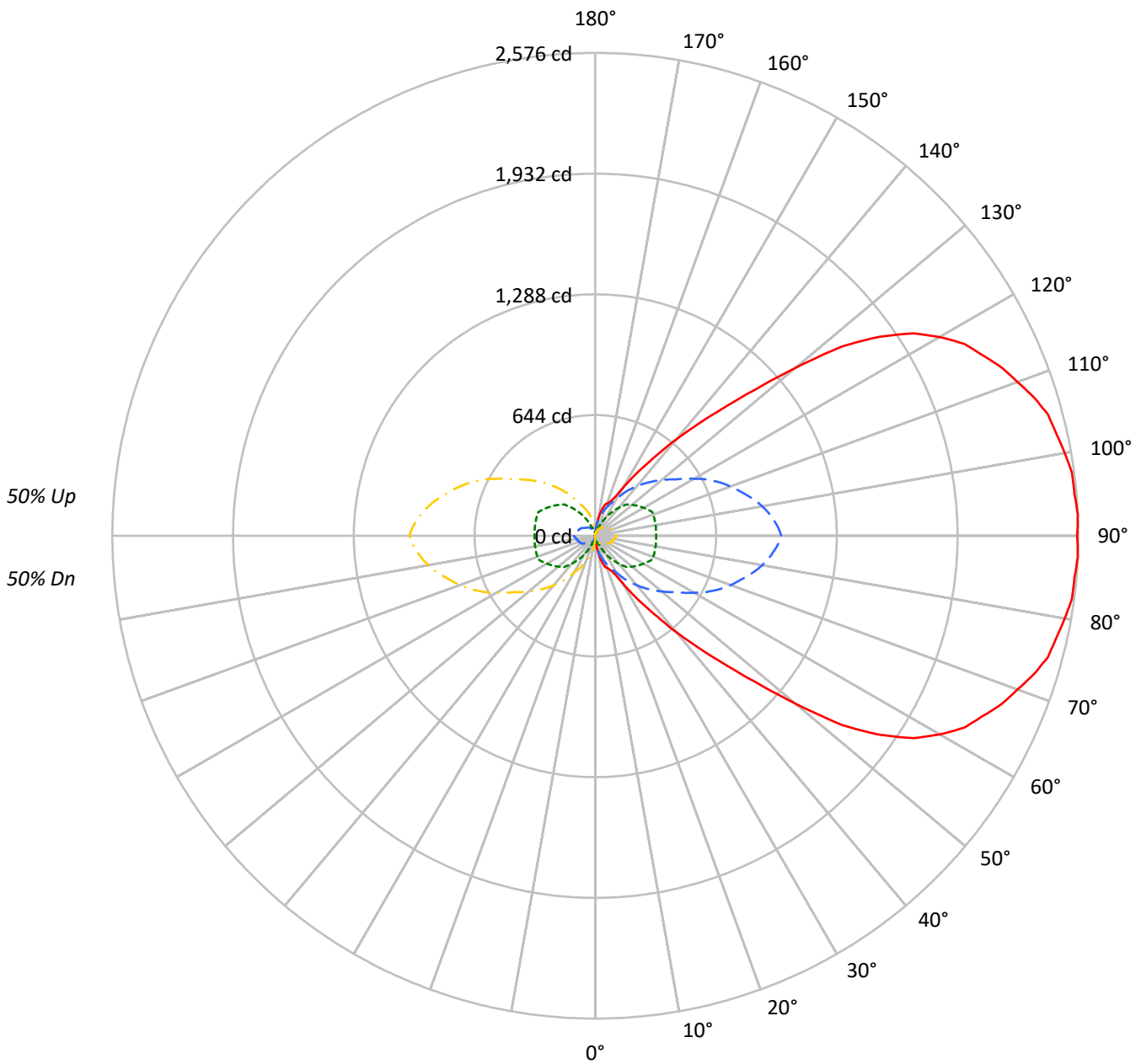
Lumens per Lamp: N/A
Luminaire Lumens: 5792.3 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 29.41 / 18.55 / 19.72
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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°	728	235	0	235
10°	1432	455	0	455
15°	2145	683	0	683
20°	2364	921	0	921
25°	2560	1483	0	1483
30°	3404	2410	0	2410
35°	4985	3429	0	3429
40°	7167	4581	0	4581
45°	9990	5911	8	5911
50°	14263	6954	8	6954
55°	18786	8247	8	8247
60°	21475	9895	8	9895
65°	23199	12081	8	12081
70°	24724	14623	18	14623
75°	26319	17797	18	17797
80°	27574	23006	0	23006
85°	28891	32992	0	32992



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.0
10°-20°	18.8	0.3
20°-30°	50.3	0.9
30°-40°	115.9	2.0
40°-50°	227.2	3.9
50°-60°	404.8	7.0
60°-70°	587.8	10.1
70°-80°	713.4	12.3
80°-90°	775.3	13.4
90°-100°	775.3	13.4
100°-110°	713.4	12.3
110°-120°	587.8	10.1
120°-130°	404.8	7.0
130°-140°	227.2	3.9
140°-150°	115.9	2.0
150°-160°	50.3	0.9
160°-170°	18.8	0.3
170°-180°	2.6	0.0
0°-30°	71.7	1.2
0°-40°	187.6	3.2
0°-60°	819.6	14.1
0°-90°	2896.2	50.0
90°-120°	2076.6	35.9
90°-150°	2824.5	48.8
90°-180°	2896.0	50.0
0°-180°	5792.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	42	12	0	12	42	6
15°	152	34	0	34	152	43
25°	210	72	0	72	210	103
35°	450	153	0	153	450	294
45°	957	235	1	235	957	770
55°	1850	277	1	277	1850	1638
65°	2278	319	1	319	2278	2260
75°	2499	328	2	328	2499	2629
85°	2565	325	0	325	2565	2094
90°	2570	324	0	324	2570	1410
95°	2565	325	0	325	2565	2094
105°	2499	328	2	328	2499	2629
115°	2278	319	1	319	2278	2260
125°	1850	277	1	277	1850	1638
135°	957	235	1	235	957	770
145°	450	153	0	153	450	294
155°	210	72	0	72	210	103
165°	152	34	0	34	152	43
175°	42	12	0	12	42	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°	18.2	18.4	18.7	18.9	19.2	19.4	19.7	19.1	19.1	19.0	18.9
5°	42.2	42.7	43.1	43.6	44.1	43.4	43.4	43.3	43.0	42.7	42.3
7.5°	68.7	69.3	70.0	70.6	70.1	70.0	69.8	69.5	69.0	68.4	67.6
10°	92.7	93.4	94.2	94.9	94.2	94.2	93.9	93.5	92.9	92.2	91.3
12.5°	121.7	122.4	123.0	122.4	122.1	121.6	120.8	119.8	118.6	117.2	115.5
15°	152.3	152.6	152.9	151.7	150.9	149.8	148.4	146.7	144.9	142.7	140.4
17.5°	175.5	176.0	176.4	175.4	174.8	173.8	172.4	170.8	168.8	166.4	163.8
20°	181.3	182.9	184.4	185.4	186.3	186.9	187.2	187.1	186.6	185.6	184.2
22.5°	192.9	195.7	198.5	200.0	201.7	203.0	203.7	203.9	203.6	202.6	200.9
25°	209.5	213.6	217.0	220.0	222.5	224.4	225.7	226.2	226.0	225.0	223.1
27.5°	238.5	243.3	246.7	249.8	252.1	253.7	254.5	254.6	253.9	252.4	250.5
30°	293.9	298.3	299.9	301.0	300.8	299.6	297.2	293.9	289.6	284.5	282.0
32.5°	366.0	368.9	368.1	366.5	363.3	358.8	353.0	346.2	338.5	330.8	323.7
35°	449.6	450.7	446.9	442.3	435.7	427.3	417.5	406.2	393.9	382.7	371.5
37.5°	544.8	544.3	537.7	529.8	519.3	506.4	491.3	474.2	456.0	440.1	423.4
40°	669.0	665.8	653.8	640.3	623.2	602.9	579.8	554.3	529.6	506.2	481.5
42.5°	803.1	798.9	784.1	766.9	744.8	718.0	686.7	651.1	618.0	584.3	549.2
45°	957.1	950.3	930.5	908.1	880.1	846.9	809.1	772.3	724.2	677.0	628.9
47.5°	1149.2	1139.2	1111.5	1080.1	1041.2	995.4	943.2	890.0	839.0	784.7	730.2
50°	1391.0	1377.4	1339.4	1296.3	1242.6	1179.1	1106.6	1037.5	967.9	894.2	831.8
52.5°	1658.4	1636.9	1586.7	1531.7	1465.9	1390.9	1308.2	1219.2	1121.4	1025.8	942.4
55°	1850.5	1821.8	1770.8	1716.3	1654.0	1585.2	1506.1	1404.6	1294.0	1180.2	1065.7
57.5°	2009.5	1973.7	1917.9	1859.1	1793.7	1723.0	1643.7	1558.0	1466.4	1333.8	1204.2
60°	2120.4	2082.6	2028.1	1970.0	1904.7	1832.6	1756.2	1678.9	1587.1	1473.2	1340.8
62.5°	2217.3	2174.7	2123.8	2064.6	1997.4	1923.3	1851.6	1777.2	1690.2	1595.3	1462.7
65°	2278.5	2244.0	2201.3	2148.1	2083.0	2010.6	1935.1	1854.7	1771.5	1679.7	1573.7
67.5°	2345.6	2314.2	2274.3	2224.7	2164.7	2091.5	2011.0	1925.7	1835.4	1745.2	1647.5
70°	2396.9	2375.9	2344.5	2299.5	2234.3	2158.2	2077.0	1987.4	1894.1	1799.5	1710.4
72.5°	2453.2	2436.7	2410.1	2372.0	2300.2	2213.7	2129.1	2037.9	1946.1	1853.7	1760.6
75°	2498.8	2485.8	2463.7	2418.3	2341.0	2255.2	2166.3	2083.8	1991.3	1895.6	1801.0
77.5°	2517.8	2516.8	2505.3	2458.5	2383.8	2284.7	2202.1	2119.1	2027.6	1927.3	1829.3
80°	2542.7	2539.5	2527.4	2495.0	2425.7	2329.1	2232.7	2147.4	2054.6	1950.0	1848.2
82.5°	2564.2	2555.5	2541.6	2512.5	2450.7	2351.3	2252.7	2160.6	2069.5	1972.0	1870.4
85°	2565.0	2573.1	2557.8	2525.6	2460.7	2358.2	2263.2	2174.0	2083.0	1987.1	1884.5
87.5°	2575.8	2578.8	2559.6	2533.0	2475.8	2371.5	2274.0	2176.7	2086.2	1990.3	1889.6
90°	2570.0	2574.9	2546.0	2531.1	2472.3	2363.8	2271.9	2166.8	2078.2	1982.1	1885.3
92.5°	2575.8	2578.8	2559.6	2533.0	2475.8	2371.5	2274.0	2176.7	2086.2	1990.3	1889.6
95°	2565.0	2573.1	2557.8	2525.6	2460.7	2358.2	2263.2	2174.0	2083.0	1987.1	1884.5
97.5°	2564.2	2555.5	2541.6	2512.5	2450.7	2351.3	2252.7	2160.6	2069.5	1972.0	1870.4
100°	2542.7	2539.5	2527.4	2495.0	2425.7	2329.1	2232.7	2147.4	2054.6	1950.0	1848.2
102.5°	2517.8	2516.8	2505.3	2458.5	2383.8	2284.7	2202.1	2119.1	2027.6	1927.3	1829.3
105°	2498.8	2485.8	2463.7	2418.3	2341.0	2255.2	2166.3	2083.8	1991.3	1895.6	1801.0
107.5°	2453.2	2436.7	2410.1	2372.0	2300.2	2213.7	2129.1	2037.9	1946.1	1853.7	1760.6
110°	2396.9	2375.9	2344.5	2299.5	2234.3	2158.2	2077.0	1987.4	1894.1	1799.5	1710.4



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2345.6	2314.2	2274.3	2224.7	2164.7	2091.5	2011.0	1925.7	1835.4	1745.2	1647.5
115°	2278.5	2244.0	2201.3	2148.1	2083.0	2010.6	1935.1	1854.7	1771.5	1679.7	1573.7
117.5°	2217.3	2174.7	2123.8	2064.6	1997.4	1923.3	1851.6	1777.2	1690.2	1595.3	1462.7
120°	2120.4	2082.6	2028.1	1970.0	1904.7	1832.6	1756.2	1678.9	1587.1	1473.2	1340.8
122.5°	2009.5	1973.7	1917.9	1859.1	1793.7	1723.0	1643.7	1558.0	1466.4	1333.8	1204.2
125°	1850.5	1821.8	1770.8	1716.3	1654.0	1585.2	1506.1	1404.6	1294.0	1180.2	1065.7
127.5°	1658.4	1636.9	1586.7	1531.7	1465.9	1390.9	1308.2	1219.2	1121.4	1025.8	942.4
130°	1391.0	1377.4	1339.4	1296.3	1242.6	1179.1	1106.6	1037.5	967.9	894.2	831.8
132.5°	1149.2	1139.2	1111.5	1080.1	1041.2	995.4	943.2	890.0	839.0	784.7	730.2
135°	957.1	950.3	930.5	908.1	880.1	846.9	809.1	772.3	724.2	677.0	628.9
137.5°	803.1	798.9	784.1	766.9	744.8	718.0	686.7	651.1	618.0	584.3	549.2
140°	669.0	665.8	653.8	640.3	623.2	602.9	579.8	554.3	529.6	506.2	481.5
142.5°	544.8	544.3	537.7	529.8	519.3	506.4	491.3	474.2	456.0	440.1	423.4
145°	449.6	450.7	446.9	442.3	435.7	427.3	417.5	406.2	393.9	382.7	371.5
147.5°	366.0	368.9	368.1	366.5	363.3	358.8	353.0	346.2	338.5	330.8	323.7
150°	293.9	298.3	299.9	301.0	300.8	299.6	297.2	293.9	289.6	284.5	282.0
152.5°	238.5	243.3	246.7	249.8	252.1	253.7	254.5	254.6	253.9	252.4	250.5
155°	209.5	213.6	217.0	220.0	222.5	224.4	225.7	226.2	226.0	225.0	223.1
157.5°	192.9	195.7	198.5	200.0	201.7	203.0	203.7	203.9	203.6	202.6	200.9
160°	181.3	182.9	184.4	185.4	186.3	186.9	187.2	187.1	186.6	185.6	184.2
162.5°	175.5	176.0	176.4	175.4	174.8	173.8	172.4	170.8	168.8	166.4	163.8
165°	152.3	152.6	152.9	151.7	150.9	149.8	148.4	146.7	144.9	142.7	140.4
167.5°	121.7	122.4	123.0	122.4	122.1	121.6	120.8	119.8	118.6	117.2	115.5
170°	92.7	93.4	94.2	94.9	94.2	94.2	93.9	93.5	92.9	92.2	91.3
172.5°	68.7	69.3	70.0	70.6	70.1	70.0	69.8	69.5	69.0	68.4	67.6
175°	42.2	42.7	43.1	43.6	44.1	43.4	43.4	43.3	43.0	42.7	42.3
177.5°	18.2	18.4	18.7	18.9	19.2	19.4	19.7	19.1	19.1	19.0	18.9
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°	18.8	18.7	18.5	18.3	18.0	17.7	17.4	17.1	16.7	16.3	15.8
5°	41.8	41.2	40.6	39.8	39.0	38.1	37.0	36.0	34.8	33.6	32.2
7.5°	66.7	65.7	64.5	63.2	61.8	60.2	58.5	56.8	54.8	52.9	51.0
10°	90.2	89.0	87.6	86.1	84.4	82.6	80.5	78.1	75.6	72.9	70.1
12.5°	113.7	111.7	109.5	107.1	104.7	102.4	100.0	97.4	94.7	91.8	88.8
15°	137.9	135.3	132.4	129.4	126.3	123.0	119.6	116.0	112.3	108.8	105.2
17.5°	160.8	157.5	154.0	150.3	146.5	142.6	138.6	134.5	130.2	125.8	121.3
20°	182.2	179.0	174.9	170.4	165.6	160.5	155.6	151.0	146.3	141.6	136.7
22.5°	198.9	196.6	193.6	189.9	185.4	179.8	173.7	167.1	160.5	155.2	150.1
25°	221.1	218.2	214.5	209.8	204.8	199.1	192.6	185.2	177.5	169.5	162.0
27.5°	248.0	244.5	239.9	234.6	228.7	221.7	214.8	205.4	196.0	186.0	176.7
30°	278.8	274.6	270.4	263.7	256.4	247.9	239.1	229.0	219.6	211.4	203.0
32.5°	315.9	307.5	300.9	294.6	287.4	278.3	268.5	258.6	249.1	239.3	230.3
35°	359.8	348.4	338.2	327.5	317.8	309.1	299.9	289.0	277.7	267.0	256.3
37.5°	406.3	391.7	377.8	365.8	352.2	339.4	328.5	317.8	306.2	293.9	282.1
40°	457.3	437.9	419.7	403.5	388.0	372.8	358.5	345.0	333.0	320.4	307.2
42.5°	519.0	492.0	466.2	445.6	426.2	407.3	389.6	373.9	358.7	345.4	331.7
45°	591.8	553.1	520.8	490.5	465.4	442.3	422.2	402.6	385.8	369.7	355.1
47.5°	676.0	624.7	581.5	540.5	508.3	479.5	454.9	433.1	412.3	394.5	377.9
50°	767.9	707.2	648.3	599.1	553.8	518.6	488.4	462.7	440.0	419.0	400.4
52.5°	861.0	790.5	722.2	660.6	606.5	558.2	522.7	492.8	467.9	443.5	432.9
55°	966.4	874.8	796.8	723.2	660.4	604.7	555.5	523.4	502.9	487.6	478.5
57.5°	1080.8	968.0	871.6	788.0	712.6	651.5	603.1	566.4	542.3	527.2	519.3
60°	1198.1	1067.5	949.8	850.8	773.5	708.2	654.1	607.9	580.6	563.7	556.0
62.5°	1316.4	1163.7	1035.6	930.2	839.8	762.4	703.1	653.5	616.3	595.7	588.5
65°	1424.9	1273.0	1128.7	1008.1	907.5	820.6	748.1	693.7	650.9	627.9	619.8
67.5°	1530.3	1373.7	1222.9	1085.9	970.0	873.3	792.9	733.2	687.7	658.5	647.6
70°	1598.7	1457.0	1308.9	1155.3	1031.3	927.0	838.5	768.7	720.0	686.1	672.2
72.5°	1662.7	1520.3	1367.5	1219.9	1085.2	973.5	878.7	801.9	748.9	713.9	698.3
75°	1702.9	1578.1	1414.0	1270.2	1128.3	1014.4	917.7	836.6	780.7	742.8	722.7
77.5°	1737.7	1626.4	1451.9	1308.8	1173.0	1056.1	957.3	872.6	810.4	769.9	746.3
80°	1758.1	1652.2	1498.7	1342.9	1209.3	1089.2	990.8	904.3	837.4	795.3	769.2
82.5°	1775.6	1674.0	1530.7	1367.4	1235.5	1114.2	1018.7	931.9	861.9	819.0	791.5
85°	1785.6	1689.8	1548.2	1382.4	1252.4	1132.1	1041.2	955.5	884.1	841.2	813.2
87.5°	1787.9	1703.0	1558.0	1392.4	1264.2	1145.9	1060.9	977.0	905.0	862.6	834.7
90°	1782.6	1695.7	1544.1	1386.0	1261.8	1150.0	1072.2	991.9	922.3	881.8	855.3
92.5°	1787.9	1703.0	1558.0	1392.4	1264.2	1145.9	1060.9	977.0	905.0	862.6	834.7
95°	1785.6	1689.8	1548.2	1382.4	1252.4	1132.1	1041.2	955.5	884.1	841.2	813.2
97.5°	1775.6	1674.0	1530.7	1367.4	1235.5	1114.2	1018.7	931.9	861.9	819.0	791.5
100°	1758.1	1652.2	1498.7	1342.9	1209.3	1089.2	990.8	904.3	837.4	795.3	769.2
102.5°	1737.7	1626.4	1451.9	1308.8	1173.0	1056.1	957.3	872.6	810.4	769.9	746.3
105°	1702.9	1578.1	1414.0	1270.2	1128.3	1014.4	917.7	836.6	780.7	742.8	722.7
107.5°	1662.7	1520.3	1367.5	1219.9	1085.2	973.5	878.7	801.9	748.9	713.9	698.3
110°	1598.7	1457.0	1308.9	1155.3	1031.3	927.0	838.5	768.7	720.0	686.1	672.2



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	1530.3	1373.7	1222.9	1085.9	970.0	873.3	792.9	733.2	687.7	658.5	647.6
115°	1424.9	1273.0	1128.7	1008.1	907.5	820.6	748.1	693.7	650.9	627.9	619.8
117.5°	1316.4	1163.7	1035.6	930.2	839.8	762.4	703.1	653.5	616.3	595.7	588.5
120°	1198.1	1067.5	949.8	850.8	773.5	708.2	654.1	607.9	580.6	563.7	556.0
122.5°	1080.8	968.0	871.6	788.0	712.6	651.5	603.1	566.4	542.3	527.2	519.3
125°	966.4	874.8	796.8	723.2	660.4	604.7	555.5	523.4	502.9	487.6	478.5
127.5°	861.0	790.5	722.2	660.6	606.5	558.2	522.7	492.8	467.9	443.5	432.9
130°	767.9	707.2	648.3	599.1	553.8	518.6	488.4	462.7	440.0	419.0	400.4
132.5°	676.0	624.7	581.5	540.5	508.3	479.5	454.9	433.1	412.3	394.5	377.9
135°	591.8	553.1	520.8	490.5	465.4	442.3	422.2	402.6	385.8	369.7	355.1
137.5°	519.0	492.0	466.2	445.6	426.2	407.3	389.6	373.9	358.7	345.4	331.7
140°	457.3	437.9	419.7	403.5	388.0	372.8	358.5	345.0	333.0	320.4	307.2
142.5°	406.3	391.7	377.8	365.8	352.2	339.4	328.5	317.8	306.2	293.9	282.1
145°	359.8	348.4	338.2	327.5	317.8	309.1	299.9	289.0	277.7	267.0	256.3
147.5°	315.9	307.5	300.9	294.6	287.4	278.3	268.5	258.6	249.1	239.3	230.3
150°	278.8	274.6	270.4	263.7	256.4	247.9	239.1	229.0	219.6	211.4	203.0
152.5°	248.0	244.5	239.9	234.6	228.7	221.7	214.8	205.4	196.0	186.0	176.7
155°	221.1	218.2	214.5	209.8	204.8	199.1	192.6	185.2	177.5	169.5	162.0
157.5°	198.9	196.6	193.6	189.9	185.4	179.8	173.7	167.1	160.5	155.2	150.1
160°	182.2	179.0	174.9	170.4	165.6	160.5	155.6	151.0	146.3	141.6	136.7
162.5°	160.8	157.5	154.0	150.3	146.5	142.6	138.6	134.5	130.2	125.8	121.3
165°	137.9	135.3	132.4	129.4	126.3	123.0	119.6	116.0	112.3	108.8	105.2
167.5°	113.7	111.7	109.5	107.1	104.7	102.4	100.0	97.4	94.7	91.8	88.8
170°	90.2	89.0	87.6	86.1	84.4	82.6	80.5	78.1	75.6	72.9	70.1
172.5°	66.7	65.7	64.5	63.2	61.8	60.2	58.5	56.8	54.8	52.9	51.0
175°	41.8	41.2	40.6	39.8	39.0	38.1	37.0	36.0	34.8	33.6	32.2
177.5°	18.8	18.7	18.5	18.3	18.0	17.7	17.4	17.1	16.7	16.3	15.8
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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	15.4	14.9	14.4	13.8	13.2	12.6	12.0	11.4	10.7	10.0	9.3
5°	30.9	29.4	27.9	26.8	25.7	24.5	23.2	22.0	20.6	19.3	17.9
7.5°	48.9	46.8	44.5	42.1	39.7	37.2	34.6	32.5	30.5	28.5	26.4
10°	67.1	64.1	61.1	57.8	54.5	51.2	47.8	44.2	40.6	37.7	34.9
12.5°	85.2	81.4	77.5	73.4	69.3	65.0	60.8	56.4	51.9	47.3	43.4
15°	101.5	97.6	94.2	88.8	83.9	78.8	73.6	68.4	63.1	57.6	52.1
17.5°	117.2	112.3	107.7	103.0	98.0	92.2	86.3	80.3	74.1	67.8	61.4
20°	131.6	126.4	121.1	115.9	110.6	105.1	98.6	91.8	85.0	77.9	70.6
22.5°	145.0	139.5	133.9	128.2	122.4	116.4	110.3	103.0	95.5	87.8	79.8
25°	156.1	150.9	145.5	139.5	135.8	131.8	127.5	122.6	116.2	109.5	102.0
27.5°	170.5	167.1	165.0	162.5	159.0	155.2	151.0	146.5	140.7	133.7	126.0
30°	196.4	190.3	186.1	183.9	181.3	177.6	173.7	169.4	165.2	157.5	150.1
32.5°	221.5	214.3	208.3	204.3	202.1	199.2	195.5	191.5	187.2	180.9	173.2
35°	246.6	237.5	230.6	224.8	221.8	219.7	216.4	213.1	208.9	203.9	196.1
37.5°	270.7	260.7	251.7	245.7	241.0	239.0	236.7	233.4	229.9	226.3	218.7
40°	294.7	282.7	273.3	265.1	260.5	257.5	256.1	253.4	250.4	247.4	241.0
42.5°	317.8	305.1	293.3	284.8	279.1	275.4	274.4	272.8	270.3	267.9	263.0
45°	340.6	326.4	313.7	303.7	296.3	293.5	292.2	291.6	289.7	288.0	284.7
47.5°	362.3	347.5	333.7	321.8	314.1	313.7	316.7	318.1	316.0	312.2	306.9
50°	383.7	369.8	367.3	367.8	368.3	366.2	361.9	356.9	349.1	339.5	329.9
52.5°	427.0	424.6	425.1	428.1	430.7	423.6	411.9	398.9	384.7	368.6	353.7
55°	474.8	475.5	479.1	485.0	493.7	484.3	466.0	444.0	422.4	399.6	378.7
57.5°	518.0	522.0	529.4	539.2	551.8	547.3	523.7	491.8	462.3	432.4	404.8
60°	556.4	564.6	576.4	590.6	607.2	612.6	584.7	542.5	504.5	466.7	431.9
62.5°	592.1	603.7	620.2	639.3	660.3	679.8	647.6	596.6	548.4	502.3	459.8
65°	624.4	639.2	661.0	685.6	711.4	740.0	710.2	652.9	593.9	539.0	488.4
67.5°	653.1	671.6	699.1	729.6	761.1	794.7	773.9	710.9	640.7	576.5	517.5
70°	679.3	702.3	735.2	769.8	800.3	828.0	808.9	739.1	660.0	589.2	524.5
72.5°	701.7	719.7	749.1	782.9	810.9	829.9	814.7	747.3	667.7	595.4	527.9
75°	720.1	732.8	760.4	796.4	824.1	835.1	819.7	753.9	674.4	601.1	530.9
77.5°	739.6	747.2	771.9	810.3	839.5	843.0	823.8	758.9	680.2	606.3	533.4
80°	760.0	762.7	783.8	824.8	856.6	852.9	827.0	762.5	685.0	610.9	535.4
82.5°	781.0	779.1	796.2	840.0	875.1	864.2	829.3	764.7	689.0	614.9	539.0
85°	802.4	796.3	809.4	855.8	894.3	877.9	832.8	767.7	693.8	619.8	539.0
87.5°	824.1	813.9	822.9	872.1	914.0	888.9	831.6	765.9	694.6	621.2	539.0
90°	845.3	832.1	838.7	890.1	933.1	900.0	830.4	764.2	695.5	622.6	539.0
92.5°	824.1	813.9	822.9	872.1	914.0	888.9	831.6	765.9	694.6	621.2	539.0
95°	802.4	796.3	809.4	855.8	894.3	877.9	832.8	767.7	693.8	619.8	539.0
97.5°	781.0	779.1	796.2	840.0	875.1	864.2	829.3	764.7	689.0	614.9	539.0
100°	760.0	762.7	783.8	824.8	856.6	852.9	827.0	762.5	685.0	610.9	535.4
102.5°	739.6	747.2	771.9	810.3	839.5	843.0	823.8	758.9	680.2	606.3	533.4
105°	720.1	732.8	760.4	796.4	824.1	835.1	819.7	753.9	674.4	601.1	530.9
107.5°	701.7	719.7	749.1	782.9	810.9	829.9	814.7	747.3	667.7	595.4	527.9
110°	679.3	702.3	735.2	769.8	800.3	828.0	808.9	739.1	660.0	589.2	524.5



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	653.1	671.6	699.1	729.6	761.1	794.7	773.9	710.9	640.7	576.5	517.5
115°	624.4	639.2	661.0	685.6	711.4	740.0	710.2	652.9	593.9	539.0	488.4
117.5°	592.1	603.7	620.2	639.3	660.3	679.8	647.6	596.6	548.4	502.3	459.8
120°	556.4	564.6	576.4	590.6	607.2	612.6	584.7	542.5	504.5	466.7	431.9
122.5°	518.0	522.0	529.4	539.2	551.8	547.3	523.7	491.8	462.3	432.4	404.8
125°	474.8	475.5	479.1	485.0	493.7	484.3	466.0	444.0	422.4	399.6	378.7
127.5°	427.0	424.6	425.1	428.1	430.7	423.6	411.9	398.9	384.7	368.6	353.7
130°	383.7	369.8	367.3	367.8	368.3	366.2	361.9	356.9	349.1	339.5	329.9
132.5°	362.3	347.5	333.7	321.8	314.1	313.7	316.7	318.1	316.0	312.2	306.9
135°	340.6	326.4	313.7	303.7	296.3	293.5	292.2	291.6	289.7	288.0	284.7
137.5°	317.8	305.1	293.3	284.8	279.1	275.4	274.4	272.8	270.3	267.9	263.0
140°	294.7	282.7	273.3	265.1	260.5	257.5	256.1	253.4	250.4	247.4	241.0
142.5°	270.7	260.7	251.7	245.7	241.0	239.0	236.7	233.4	229.9	226.3	218.7
145°	246.6	237.5	230.6	224.8	221.8	219.7	216.4	213.1	208.9	203.9	196.1
147.5°	221.5	214.3	208.3	204.3	202.1	199.2	195.5	191.5	187.2	180.9	173.2
150°	196.4	190.3	186.1	183.9	181.3	177.6	173.7	169.4	165.2	157.5	150.1
152.5°	170.5	167.1	165.0	162.5	159.0	155.2	151.0	146.5	140.7	133.7	126.0
155°	156.1	150.9	145.5	139.5	135.8	131.8	127.5	122.6	116.2	109.5	102.0
157.5°	145.0	139.5	133.9	128.2	122.4	116.4	110.3	103.0	95.5	87.8	79.8
160°	131.6	126.4	121.1	115.9	110.6	105.1	98.6	91.8	85.0	77.9	70.6
162.5°	117.2	112.3	107.7	103.0	98.0	92.2	86.3	80.3	74.1	67.8	61.4
165°	101.5	97.6	94.2	88.8	83.9	78.8	73.6	68.4	63.1	57.6	52.1
167.5°	85.2	81.4	77.5	73.4	69.3	65.0	60.8	56.4	51.9	47.3	43.4
170°	67.1	64.1	61.1	57.8	54.5	51.2	47.8	44.2	40.6	37.7	34.9
172.5°	48.9	46.8	44.5	42.1	39.7	37.2	34.6	32.5	30.5	28.5	26.4
175°	30.9	29.4	27.9	26.8	25.7	24.5	23.2	22.0	20.6	19.3	17.9
177.5°	15.4	14.9	14.4	13.8	13.2	12.6	12.0	11.4	10.7	10.0	9.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	8.6	7.9	7.2	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9
5°	16.5	15.0	13.5	12.0	11.9	11.8	11.7	11.5	11.3	11.1	10.9
7.5°	24.3	22.1	19.9	17.6	17.5	17.3	17.1	16.8	16.6	16.2	15.9
10°	32.1	29.2	26.2	23.2	23.0	22.8	22.5	22.1	21.7	21.4	21.0
12.5°	39.9	36.3	32.6	28.9	28.6	28.2	27.8	27.4	26.9	26.6	26.1
15°	47.7	43.3	38.9	34.5	34.1	33.7	33.2	32.7	32.2	31.7	31.2
17.5°	55.4	50.4	45.3	40.1	39.6	39.1	38.5	38.0	37.5	36.9	36.3
20°	63.3	57.4	51.6	45.7	45.1	44.5	43.8	43.3	42.7	42.0	41.5
22.5°	71.6	64.4	57.9	51.3	50.6	49.9	49.2	48.6	47.8	47.3	46.8
25°	93.8	86.0	79.1	71.7	70.3	68.6	66.7	64.6	62.4	60.3	58.1
27.5°	117.1	108.1	100.3	92.1	90.0	87.4	84.7	81.7	78.8	75.8	72.6
30°	140.3	130.3	121.6	112.6	109.5	106.1	102.4	98.4	94.5	90.5	86.4
32.5°	163.4	152.7	142.9	133.0	129.0	124.6	119.7	114.7	109.7	104.6	99.4
35°	186.5	175.0	164.2	153.4	148.3	142.8	136.7	130.5	124.2	118.0	111.9
37.5°	209.5	197.3	185.5	173.8	167.6	160.8	153.4	145.8	138.5	131.0	123.5
40°	232.4	219.5	206.9	194.3	186.8	178.7	169.8	160.8	151.9	143.4	134.4
42.5°	255.0	241.7	228.2	214.7	205.9	196.3	186.2	175.4	165.2	155.7	144.6
45°	276.9	263.8	249.5	235.1	225.0	213.8	201.8	189.6	178.2	166.6	154.3
47.5°	295.4	279.4	262.0	245.6	233.5	220.4	207.1	194.4	183.0	171.5	159.3
50°	314.3	295.0	274.5	256.1	241.7	226.3	211.1	197.1	184.7	172.7	159.9
52.5°	334.0	310.9	287.0	266.6	249.9	232.1	215.1	199.8	186.3	174.0	161.1
55°	354.4	327.1	299.6	277.1	258.0	237.6	218.9	202.5	188.0	175.7	162.9
57.5°	375.4	343.5	312.3	287.5	266.0	243.1	222.6	205.0	190.0	177.5	165.3
60°	397.0	360.2	325.0	298.0	273.9	248.3	226.2	207.5	192.2	179.8	168.7
62.5°	419.1	377.1	337.7	308.5	281.7	253.5	229.8	210.0	194.5	182.6	171.9
65°	441.6	394.0	350.4	319.0	289.6	258.6	233.4	212.5	197.0	185.7	175.9
67.5°	464.3	411.1	363.1	329.5	297.4	263.7	236.9	215.0	199.7	189.3	180.4
70°	468.9	414.4	365.6	328.9	295.0	260.7	234.2	212.9	198.6	189.0	181.2
72.5°	471.7	417.0	368.1	328.2	292.5	257.5	231.2	210.3	196.6	187.2	179.8
75°	474.1	419.3	372.1	327.6	290.0	254.5	228.3	208.0	194.7	185.6	178.7
77.5°	476.1	421.5	374.1	326.9	287.6	251.6	225.6	205.8	193.0	184.0	177.7
80°	477.7	424.8	376.1	326.3	285.3	248.9	223.0	203.9	191.4	182.6	176.9
82.5°	480.5	425.9	378.1	325.6	283.0	246.3	220.6	202.2	189.9	181.3	176.2
85°	480.6	426.9	380.2	325.0	280.7	243.8	218.4	200.6	188.6	180.1	175.6
87.5°	480.8	427.9	382.2	324.3	278.6	241.5	216.3	199.2	187.4	179.0	175.1
90°	481.0	428.9	384.2	323.7	276.5	239.3	214.4	197.9	186.3	178.0	174.7
92.5°	480.8	427.9	382.2	324.3	278.6	241.5	216.3	199.2	187.4	179.0	175.1
95°	480.6	426.9	380.2	325.0	280.7	243.8	218.4	200.6	188.6	180.1	175.6
97.5°	480.5	425.9	378.1	325.6	283.0	246.3	220.6	202.2	189.9	181.3	176.2
100°	477.7	424.8	376.1	326.3	285.3	248.9	223.0	203.9	191.4	182.6	176.9
102.5°	476.1	421.5	374.1	326.9	287.6	251.6	225.6	205.8	193.0	184.0	177.7
105°	474.1	419.3	372.1	327.6	290.0	254.5	228.3	208.0	194.7	185.6	178.7
107.5°	471.7	417.0	368.1	328.2	292.5	257.5	231.2	210.3	196.6	187.2	179.8
110°	468.9	414.4	365.6	328.9	295.0	260.7	234.2	212.9	198.6	189.0	181.2



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	464.3	411.1	363.1	329.5	297.4	263.7	236.9	215.0	199.7	189.3	180.4
115°	441.6	394.0	350.4	319.0	289.6	258.6	233.4	212.5	197.0	185.7	175.9
117.5°	419.1	377.1	337.7	308.5	281.7	253.5	229.8	210.0	194.5	182.6	171.9
120°	397.0	360.2	325.0	298.0	273.9	248.3	226.2	207.5	192.2	179.8	168.7
122.5°	375.4	343.5	312.3	287.5	266.0	243.1	222.6	205.0	190.0	177.5	165.3
125°	354.4	327.1	299.6	277.1	258.0	237.6	218.9	202.5	188.0	175.7	162.9
127.5°	334.0	310.9	287.0	266.6	249.9	232.1	215.1	199.8	186.3	174.0	161.1
130°	314.3	295.0	274.5	256.1	241.7	226.3	211.1	197.1	184.7	172.7	159.9
132.5°	295.4	279.4	262.0	245.6	233.5	220.4	207.1	194.4	183.0	171.5	159.3
135°	276.9	263.8	249.5	235.1	225.0	213.8	201.8	189.6	178.2	166.6	154.3
137.5°	255.0	241.7	228.2	214.7	205.9	196.3	186.2	175.4	165.2	155.7	144.6
140°	232.4	219.5	206.9	194.3	186.8	178.7	169.8	160.8	151.9	143.4	134.4
142.5°	209.5	197.3	185.5	173.8	167.6	160.8	153.4	145.8	138.5	131.0	123.5
145°	186.5	175.0	164.2	153.4	148.3	142.8	136.7	130.5	124.2	118.0	111.9
147.5°	163.4	152.7	142.9	133.0	129.0	124.6	119.7	114.7	109.7	104.6	99.4
150°	140.3	130.3	121.6	112.6	109.5	106.1	102.4	98.4	94.5	90.5	86.4
152.5°	117.1	108.1	100.3	92.1	90.0	87.4	84.7	81.7	78.8	75.8	72.6
155°	93.8	86.0	79.1	71.7	70.3	68.6	66.7	64.6	62.4	60.3	58.1
157.5°	71.6	64.4	57.9	51.3	50.6	49.9	49.2	48.6	47.8	47.3	46.8
160°	63.3	57.4	51.6	45.7	45.1	44.5	43.8	43.3	42.7	42.0	41.5
162.5°	55.4	50.4	45.3	40.1	39.6	39.1	38.5	38.0	37.5	36.9	36.3
165°	47.7	43.3	38.9	34.5	34.1	33.7	33.2	32.7	32.2	31.7	31.2
167.5°	39.9	36.3	32.6	28.9	28.6	28.2	27.8	27.4	26.9	26.6	26.1
170°	32.1	29.2	26.2	23.2	23.0	22.8	22.5	22.1	21.7	21.4	21.0
172.5°	24.3	22.1	19.9	17.6	17.5	17.3	17.1	16.8	16.6	16.2	15.9
175°	16.5	15.0	13.5	12.0	11.9	11.8	11.7	11.5	11.3	11.1	10.9
177.5°	8.6	7.9	7.2	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	5.8	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.5	4.4	4.2
5°	10.7	10.4	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8
7.5°	15.6	15.3	15.0	14.6	14.2	13.8	13.4	13.0	12.5	12.0	11.5
10°	20.6	20.2	19.8	19.3	18.8	18.3	17.8	17.3	16.7	16.1	15.4
12.5°	25.7	25.2	24.6	24.1	23.6	23.0	22.3	21.6	20.8	20.0	19.2
15°	30.7	30.2	29.6	29.0	28.3	27.5	26.7	25.8	24.8	23.8	22.8
17.5°	35.8	35.2	34.6	33.8	32.9	31.9	30.9	29.9	28.7	27.6	26.4
20°	41.0	40.3	39.4	38.4	37.4	36.3	35.1	33.9	32.7	31.5	30.3
22.5°	46.1	45.1	44.1	43.0	41.8	40.6	39.3	38.2	36.9	35.6	34.1
25°	55.6	52.9	50.2	47.5	46.2	45.0	43.9	42.6	41.0	39.4	37.7
27.5°	69.3	65.8	62.3	58.8	55.5	52.5	49.5	46.7	44.9	43.3	41.7
30°	82.2	77.7	73.3	69.0	64.8	60.8	57.0	53.5	50.6	48.0	45.3
32.5°	94.1	88.7	83.2	77.7	72.5	67.5	63.1	59.3	55.8	52.2	48.9
35°	105.3	98.6	91.6	85.0	78.7	73.0	68.2	63.6	59.3	55.4	52.4
37.5°	115.6	107.2	98.8	91.0	83.8	77.6	71.9	66.6	62.1	58.6	55.2
40°	125.0	114.7	105.0	95.9	88.2	81.1	74.6	69.3	65.1	61.3	57.6
42.5°	133.1	121.1	110.2	100.2	91.5	83.7	76.9	72.1	67.7	63.6	59.7
45°	140.4	127.0	114.5	103.8	94.2	85.6	79.8	74.6	70.0	65.7	61.7
47.5°	145.2	131.7	118.5	106.5	96.4	88.3	82.2	77.1	72.3	67.8	64.1
50°	146.1	133.0	120.8	109.4	98.8	91.1	84.8	79.3	74.4	70.3	66.4
52.5°	148.0	135.3	123.6	113.1	104.3	97.2	90.6	83.7	76.8	72.8	68.7
55°	150.5	138.6	127.4	117.7	110.7	104.5	98.4	91.9	85.1	78.1	71.5
57.5°	153.6	142.4	132.2	123.7	117.7	112.7	107.1	100.5	93.0	84.7	77.2
60°	157.3	146.7	137.6	130.8	125.9	121.6	116.4	108.9	99.7	90.3	81.9
62.5°	161.6	151.6	143.7	138.5	134.8	131.0	125.4	116.9	105.5	95.1	85.8
65°	166.4	157.3	150.3	146.6	144.3	141.0	134.1	123.4	110.7	99.1	89.0
67.5°	171.7	163.7	158.2	155.5	154.3	151.4	142.9	129.3	115.4	102.8	91.5
70°	173.8	167.7	164.6	164.4	164.5	161.3	151.2	134.8	119.5	106.0	93.7
72.5°	172.9	167.6	164.7	164.5	165.3	163.0	153.8	138.7	123.4	109.0	95.6
75°	172.3	167.5	164.7	164.4	165.0	162.3	153.1	139.3	124.8	110.6	97.3
77.5°	171.9	167.6	164.6	164.2	164.8	162.2	153.5	140.9	126.6	112.4	99.0
80°	171.7	167.9	164.5	163.9	164.6	162.6	154.8	143.3	128.9	114.7	101.3
82.5°	171.6	168.2	164.3	163.6	164.4	163.5	157.0	146.4	131.7	117.5	104.1
85°	171.7	168.6	164.1	163.2	164.3	164.6	159.8	150.1	135.0	120.8	107.4
87.5°	171.9	169.1	164.0	162.7	164.1	165.9	163.0	154.4	138.8	124.7	111.4
90°	172.2	169.7	163.9	162.3	163.9	167.2	166.4	159.0	143.2	129.2	115.9
92.5°	171.9	169.1	164.0	162.7	164.1	165.9	163.0	154.4	138.8	124.7	111.4
95°	171.7	168.6	164.1	163.2	164.3	164.6	159.8	150.1	135.0	120.8	107.4
97.5°	171.6	168.2	164.3	163.6	164.4	163.5	157.0	146.4	131.7	117.5	104.1
100°	171.7	167.9	164.5	163.9	164.6	162.6	154.8	143.3	128.9	114.7	101.3
102.5°	171.9	167.6	164.6	164.2	164.8	162.2	153.5	140.9	126.6	112.4	99.0
105°	172.3	167.5	164.7	164.4	165.0	162.3	153.1	139.3	124.8	110.6	97.3
107.5°	172.9	167.6	164.7	164.5	165.3	163.0	153.8	138.7	123.4	109.0	95.6
110°	173.8	167.7	164.6	164.4	164.5	161.3	151.2	134.8	119.5	106.0	93.7



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	171.7	163.7	158.2	155.5	154.3	151.4	142.9	129.3	115.4	102.8	91.5
115°	166.4	157.3	150.3	146.6	144.3	141.0	134.1	123.4	110.7	99.1	89.0
117.5°	161.6	151.6	143.7	138.5	134.8	131.0	125.4	116.9	105.5	95.1	85.8
120°	157.3	146.7	137.6	130.8	125.9	121.6	116.4	108.9	99.7	90.3	81.9
122.5°	153.6	142.4	132.2	123.7	117.7	112.7	107.1	100.5	93.0	84.7	77.2
125°	150.5	138.6	127.4	117.7	110.7	104.5	98.4	91.9	85.1	78.1	71.5
127.5°	148.0	135.3	123.6	113.1	104.3	97.2	90.6	83.7	76.8	72.8	68.7
130°	146.1	133.0	120.8	109.4	98.8	91.1	84.8	79.3	74.4	70.3	66.4
132.5°	145.2	131.7	118.5	106.5	96.4	88.3	82.2	77.1	72.3	67.8	64.1
135°	140.4	127.0	114.5	103.8	94.2	85.6	79.8	74.6	70.0	65.7	61.7
137.5°	133.1	121.1	110.2	100.2	91.5	83.7	76.9	72.1	67.7	63.6	59.7
140°	125.0	114.7	105.0	95.9	88.2	81.1	74.6	69.3	65.1	61.3	57.6
142.5°	115.6	107.2	98.8	91.0	83.8	77.6	71.9	66.6	62.1	58.6	55.2
145°	105.3	98.6	91.6	85.0	78.7	73.0	68.2	63.6	59.3	55.4	52.4
147.5°	94.1	88.7	83.2	77.7	72.5	67.5	63.1	59.3	55.8	52.2	48.9
150°	82.2	77.7	73.3	69.0	64.8	60.8	57.0	53.5	50.6	48.0	45.3
152.5°	69.3	65.8	62.3	58.8	55.5	52.5	49.5	46.7	44.9	43.3	41.7
155°	55.6	52.9	50.2	47.5	46.2	45.0	43.9	42.6	41.0	39.4	37.7
157.5°	46.1	45.1	44.1	43.0	41.8	40.6	39.3	38.2	36.9	35.6	34.1
160°	41.0	40.3	39.4	38.4	37.4	36.3	35.1	33.9	32.7	31.5	30.3
162.5°	35.8	35.2	34.6	33.8	32.9	31.9	30.9	29.9	28.7	27.6	26.4
165°	30.7	30.2	29.6	29.0	28.3	27.5	26.7	25.8	24.8	23.8	22.8
167.5°	25.7	25.2	24.6	24.1	23.6	23.0	22.3	21.6	20.8	20.0	19.2
170°	20.6	20.2	19.8	19.3	18.8	18.3	17.8	17.3	16.7	16.1	15.4
172.5°	15.6	15.3	15.0	14.6	14.2	13.8	13.4	13.0	12.5	12.0	11.5
175°	10.7	10.4	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8
177.5°	5.8	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.5	4.4	4.2
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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	4.0	3.8	3.5	3.3	3.1	2.9	2.6	2.4	2.2	1.9	1.7
5°	7.4	7.0	6.7	6.3	5.9	5.5	5.0	4.6	4.2	3.7	3.3
7.5°	11.0	10.5	9.9	9.4	8.8	8.2	7.5	6.9	6.3	5.6	4.9
10°	14.7	14.0	13.3	12.5	11.7	10.8	10.0	9.1	8.3	7.4	6.5
12.5°	18.3	17.4	16.4	15.4	14.4	13.4	12.4	11.3	10.2	9.1	8.0
15°	21.7	20.6	19.5	18.4	17.2	16.0	14.8	13.6	12.3	11.0	9.7
17.5°	25.2	24.0	22.8	21.5	20.2	18.8	17.3	15.8	14.3	12.8	11.2
20°	29.0	27.6	26.1	24.5	22.9	21.3	19.7	18.0	16.4	14.6	12.9
22.5°	32.5	30.8	29.2	27.6	25.9	24.1	22.3	20.4	18.4	16.4	14.3
25°	36.1	34.4	32.7	30.8	28.6	26.5	24.3	22.1	20.0	17.9	15.7
27.5°	40.0	37.8	35.5	33.2	31.0	28.8	26.5	24.3	21.9	19.5	17.1
30°	42.9	40.4	38.2	36.0	33.6	31.1	28.5	25.9	23.4	20.8	18.2
32.5°	46.1	43.7	41.2	38.5	35.8	33.0	30.3	27.6	24.8	22.1	19.3
35°	49.5	46.5	43.6	40.7	37.8	34.9	32.0	29.1	26.2	23.2	20.2
37.5°	51.9	48.7	45.7	42.7	39.8	36.7	33.6	30.3	27.0	23.9	20.8
40°	54.1	50.8	47.6	44.5	41.4	38.0	34.5	31.2	28.1	24.9	21.7
42.5°	56.1	52.8	49.5	46.0	42.4	39.1	35.9	32.5	28.9	25.4	22.1
45°	58.3	54.7	51.0	47.4	44.0	40.5	36.8	33.0	29.6	26.3	23.0
47.5°	60.4	56.5	52.8	49.2	45.3	41.4	37.7	34.0	30.5	27.1	23.7
50°	62.4	58.5	54.7	50.6	46.6	42.6	38.7	35.1	31.5	27.9	24.4
52.5°	64.6	60.6	56.4	52.1	47.8	43.8	39.9	36.1	32.3	28.8	25.5
55°	66.8	62.5	58.1	53.4	49.2	45.1	41.0	37.2	33.7	30.1	26.4
57.5°	70.6	64.7	59.5	55.0	50.6	46.4	42.5	38.8	34.8	30.8	26.5
60°	74.5	67.5	61.5	56.6	52.1	48.0	44.1	39.8	35.3	30.6	26.4
62.5°	77.4	69.6	63.3	58.0	53.7	49.8	45.2	40.2	35.1	30.6	26.4
65°	79.5	71.3	64.5	59.0	54.5	50.2	45.8	40.2	35.3	30.4	25.7
67.5°	81.2	72.4	65.4	59.7	54.4	49.3	44.2	40.1	35.0	29.7	24.8
70°	82.6	73.5	66.1	59.8	53.8	47.7	42.7	38.2	33.7	28.9	23.7
72.5°	83.6	74.4	66.6	59.5	52.5	46.2	41.1	36.1	31.5	27.1	22.6
75°	84.9	75.3	67.0	58.9	51.2	45.0	39.5	34.3	29.4	24.7	20.8
77.5°	87.0	76.7	67.3	58.4	50.2	43.8	38.2	32.8	27.5	22.7	18.8
80°	89.1	78.1	67.8	58.2	49.7	42.8	36.9	31.5	25.9	20.7	16.7
82.5°	91.4	79.7	68.5	58.2	49.2	41.6	35.0	29.3	24.0	19.2	14.6
85°	94.1	81.6	69.4	58.7	48.9	40.6	33.4	27.6	22.3	17.9	13.7
87.5°	97.3	84.0	70.8	59.7	49.0	39.9	32.2	26.4	21.2	17.4	13.9
90°	101.0	86.9	72.9	61.3	49.7	39.7	31.5	25.7	20.7	17.4	14.9
92.5°	97.3	84.0	70.8	59.7	49.0	39.9	32.2	26.4	21.2	17.4	13.9
95°	94.1	81.6	69.4	58.7	48.9	40.6	33.4	27.6	22.3	17.9	13.7
97.5°	91.4	79.7	68.5	58.2	49.2	41.6	35.0	29.3	24.0	19.2	14.6
100°	89.1	78.1	67.8	58.2	49.7	42.8	36.9	31.5	25.9	20.7	16.7
102.5°	87.0	76.7	67.3	58.4	50.2	43.8	38.2	32.8	27.5	22.7	18.8
105°	84.9	75.3	67.0	58.9	51.2	45.0	39.5	34.3	29.4	24.7	20.8
107.5°	83.6	74.4	66.6	59.5	52.5	46.2	41.1	36.1	31.5	27.1	22.6
110°	82.6	73.5	66.1	59.8	53.8	47.7	42.7	38.2	33.7	28.9	23.7



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	81.2	72.4	65.4	59.7	54.4	49.3	44.2	40.1	35.0	29.7	24.8
115°	79.5	71.3	64.5	59.0	54.5	50.2	45.8	40.2	35.3	30.4	25.7
117.5°	77.4	69.6	63.3	58.0	53.7	49.8	45.2	40.2	35.1	30.6	26.4
120°	74.5	67.5	61.5	56.6	52.1	48.0	44.1	39.8	35.3	30.6	26.4
122.5°	70.6	64.7	59.5	55.0	50.6	46.4	42.5	38.8	34.8	30.8	26.5
125°	66.8	62.5	58.1	53.4	49.2	45.1	41.0	37.2	33.7	30.1	26.4
127.5°	64.6	60.6	56.4	52.1	47.8	43.8	39.9	36.1	32.3	28.8	25.5
130°	62.4	58.5	54.7	50.6	46.6	42.6	38.7	35.1	31.5	27.9	24.4
132.5°	60.4	56.5	52.8	49.2	45.3	41.4	37.7	34.0	30.5	27.1	23.7
135°	58.3	54.7	51.0	47.4	44.0	40.5	36.8	33.0	29.6	26.3	23.0
137.5°	56.1	52.8	49.5	46.0	42.4	39.1	35.9	32.5	28.9	25.4	22.1
140°	54.1	50.8	47.6	44.5	41.4	38.0	34.5	31.2	28.1	24.9	21.7
142.5°	51.9	48.7	45.7	42.7	39.8	36.7	33.6	30.3	27.0	23.9	20.8
145°	49.5	46.5	43.6	40.7	37.8	34.9	32.0	29.1	26.2	23.2	20.2
147.5°	46.1	43.7	41.2	38.5	35.8	33.0	30.3	27.6	24.8	22.1	19.3
150°	42.9	40.4	38.2	36.0	33.6	31.1	28.5	25.9	23.4	20.8	18.2
152.5°	40.0	37.8	35.5	33.2	31.0	28.8	26.5	24.3	21.9	19.5	17.1
155°	36.1	34.4	32.7	30.8	28.6	26.5	24.3	22.1	20.0	17.9	15.7
157.5°	32.5	30.8	29.2	27.6	25.9	24.1	22.3	20.4	18.4	16.4	14.3
160°	29.0	27.6	26.1	24.5	22.9	21.3	19.7	18.0	16.4	14.6	12.9
162.5°	25.2	24.0	22.8	21.5	20.2	18.8	17.3	15.8	14.3	12.8	11.2
165°	21.7	20.6	19.5	18.4	17.2	16.0	14.8	13.6	12.3	11.0	9.7
167.5°	18.3	17.4	16.4	15.4	14.4	13.4	12.4	11.3	10.2	9.1	8.0
170°	14.7	14.0	13.3	12.5	11.7	10.8	10.0	9.1	8.3	7.4	6.5
172.5°	11.0	10.5	9.9	9.4	8.8	8.2	7.5	6.9	6.3	5.6	4.9
175°	7.4	7.0	6.7	6.3	5.9	5.5	5.0	4.6	4.2	3.7	3.3
177.5°	4.0	3.8	3.5	3.3	3.1	2.9	2.6	2.4	2.2	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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	1.5	1.2	1.0	0.7	0.5	0.2	0.0	0.2	0.5	0.7	1.0
5°	2.8	2.4	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°	5.6	4.7	3.7	2.8	1.9	0.9	0.0	0.9	1.9	2.8	3.7
12.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
15°	8.3	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
17.5°	9.7	8.1	6.5	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.5
20°	11.1	9.3	7.5	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.5
22.5°	12.3	10.3	8.2	6.2	4.1	2.1	0.0	2.1	4.1	6.2	8.2
25°	13.5	11.3	9.1	6.8	4.5	2.3	0.0	2.3	4.5	6.8	9.1
27.5°	14.6	12.2	9.8	7.3	4.9	2.4	0.0	2.4	4.9	7.3	9.8
30°	15.6	13.0	10.4	7.8	5.2	2.6	0.0	2.6	5.2	7.8	10.4
32.5°	16.5	13.8	11.0	8.3	5.5	2.8	0.0	2.8	5.5	8.3	11.0
35°	17.2	14.3	11.4	8.5	5.7	2.8	0.0	2.8	5.7	8.5	11.4
37.5°	17.8	14.9	11.9	8.9	5.9	3.0	0.0	3.0	5.9	8.9	11.9
40°	18.5	15.3	12.2	9.1	6.0	3.0	0.0	3.0	6.0	9.1	12.2
42.5°	19.0	15.9	12.8	9.8	6.8	3.8	0.8	3.8	6.8	9.8	12.8
45°	19.8	16.6	13.4	10.2	7.1	3.9	0.8	3.9	7.1	10.2	13.4
47.5°	20.4	17.0	13.7	10.5	7.2	4.0	0.8	4.0	7.2	10.5	13.7
50°	20.9	17.6	14.3	11.0	7.6	4.2	0.8	4.2	7.6	11.0	14.3
52.5°	22.1	18.4	14.8	11.3	7.8	4.3	0.8	4.3	7.8	11.3	14.8
55°	22.6	18.7	14.9	11.2	7.7	4.2	0.8	4.2	7.7	11.2	14.9
57.5°	22.4	18.6	14.9	11.3	7.8	4.3	0.8	4.3	7.8	11.3	14.9
60°	22.6	18.8	14.8	11.1	7.6	4.2	0.8	4.2	7.6	11.1	14.8
62.5°	22.2	18.2	14.4	10.7	7.3	4.0	0.8	4.0	7.3	10.7	14.4
65°	21.4	17.4	13.7	10.1	6.9	3.8	0.8	3.8	6.9	10.1	13.7
67.5°	20.4	16.4	13.0	9.9	7.0	4.3	1.7	4.3	7.0	9.9	13.0
70°	19.2	15.6	12.5	9.7	6.8	4.2	1.7	4.2	6.8	9.7	12.5
72.5°	18.4	14.9	11.9	9.3	6.5	4.0	1.7	4.0	6.5	9.3	11.9
75°	17.7	14.1	11.0	8.3	5.6	3.5	1.7	3.5	5.6	8.3	11.0
77.5°	15.8	13.2	10.2	6.2	2.1	0.4	0.0	0.4	2.1	6.2	10.2
80°	13.2	11.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
82.5°	10.8	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	9.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	9.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.8	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.2	11.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
102.5°	15.8	13.2	10.2	6.2	2.1	0.4	0.0	0.4	2.1	6.2	10.2
105°	17.7	14.1	11.0	8.3	5.6	3.5	1.7	3.5	5.6	8.3	11.0
107.5°	18.4	14.9	11.9	9.3	6.5	4.0	1.7	4.0	6.5	9.3	11.9
110°	19.2	15.6	12.5	9.7	6.8	4.2	1.7	4.2	6.8	9.7	12.5



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	20.4	16.4	13.0	9.9	7.0	4.3	1.7	4.3	7.0	9.9	13.0
115°	21.4	17.4	13.7	10.1	6.9	3.8	0.8	3.8	6.9	10.1	13.7
117.5°	22.2	18.2	14.4	10.7	7.3	4.0	0.8	4.0	7.3	10.7	14.4
120°	22.6	18.8	14.8	11.1	7.6	4.2	0.8	4.2	7.6	11.1	14.8
122.5°	22.4	18.6	14.9	11.3	7.8	4.3	0.8	4.3	7.8	11.3	14.9
125°	22.6	18.7	14.9	11.2	7.7	4.2	0.8	4.2	7.7	11.2	14.9
127.5°	22.1	18.4	14.8	11.3	7.8	4.3	0.8	4.3	7.8	11.3	14.8
130°	20.9	17.6	14.3	11.0	7.6	4.2	0.8	4.2	7.6	11.0	14.3
132.5°	20.4	17.0	13.7	10.5	7.2	4.0	0.8	4.0	7.2	10.5	13.7
135°	19.8	16.6	13.4	10.2	7.1	3.9	0.8	3.9	7.1	10.2	13.4
137.5°	19.0	15.9	12.8	9.8	6.8	3.8	0.8	3.8	6.8	9.8	12.8
140°	18.5	15.3	12.2	9.1	6.0	3.0	0.0	3.0	6.0	9.1	12.2
142.5°	17.8	14.9	11.9	8.9	5.9	3.0	0.0	3.0	5.9	8.9	11.9
145°	17.2	14.3	11.4	8.5	5.7	2.8	0.0	2.8	5.7	8.5	11.4
147.5°	16.5	13.8	11.0	8.3	5.5	2.8	0.0	2.8	5.5	8.3	11.0
150°	15.6	13.0	10.4	7.8	5.2	2.6	0.0	2.6	5.2	7.8	10.4
152.5°	14.6	12.2	9.8	7.3	4.9	2.4	0.0	2.4	4.9	7.3	9.8
155°	13.5	11.3	9.1	6.8	4.5	2.3	0.0	2.3	4.5	6.8	9.1
157.5°	12.3	10.3	8.2	6.2	4.1	2.1	0.0	2.1	4.1	6.2	8.2
160°	11.1	9.3	7.5	5.6	3.7	1.9	0.0	1.9	3.7	5.6	7.5
162.5°	9.7	8.1	6.5	4.9	3.2	1.6	0.0	1.6	3.2	4.9	6.5
165°	8.3	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
167.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0	1.2	2.3	3.5	4.6
170°	5.6	4.7	3.7	2.8	1.9	0.9	0.0	0.9	1.9	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	2.4	1.9	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.9
177.5°	1.5	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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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	1.5	1.7	1.9	2.2	2.4	2.6	2.9	3.1	3.3	3.5
5°	2.4	2.8	3.3	3.7	4.2	4.6	5.0	5.5	5.9	6.3	6.7
7.5°	3.5	4.2	4.9	5.6	6.3	6.9	7.5	8.2	8.8	9.4	9.9
10°	4.7	5.6	6.5	7.4	8.3	9.1	10.0	10.8	11.7	12.5	13.3
12.5°	5.8	6.9	8.0	9.1	10.2	11.3	12.4	13.4	14.4	15.4	16.4
15°	7.0	8.3	9.7	11.0	12.3	13.6	14.8	16.0	17.2	18.4	19.5
17.5°	8.1	9.7	11.2	12.8	14.3	15.8	17.3	18.8	20.2	21.5	22.8
20°	9.3	11.1	12.9	14.6	16.4	18.0	19.7	21.3	22.9	24.5	26.1
22.5°	10.3	12.3	14.3	16.4	18.4	20.4	22.3	24.1	25.9	27.6	29.2
25°	11.3	13.5	15.7	17.9	20.0	22.1	24.3	26.5	28.6	30.8	32.7
27.5°	12.2	14.6	17.1	19.5	21.9	24.3	26.5	28.8	31.0	33.2	35.5
30°	13.0	15.6	18.2	20.8	23.4	25.9	28.5	31.1	33.6	36.0	38.2
32.5°	13.8	16.5	19.3	22.1	24.8	27.6	30.3	33.0	35.8	38.5	41.2
35°	14.3	17.2	20.2	23.2	26.2	29.1	32.0	34.9	37.8	40.7	43.6
37.5°	14.9	17.8	20.8	23.9	27.0	30.3	33.6	36.7	39.8	42.7	45.7
40°	15.3	18.5	21.7	24.9	28.1	31.2	34.5	38.0	41.4	44.5	47.6
42.5°	15.9	19.0	22.1	25.4	28.9	32.5	35.9	39.1	42.4	46.0	49.5
45°	16.6	19.8	23.0	26.3	29.6	33.0	36.8	40.5	44.0	47.4	51.0
47.5°	17.0	20.4	23.7	27.1	30.5	34.0	37.7	41.4	45.3	49.2	52.8
50°	17.6	20.9	24.4	27.9	31.5	35.1	38.7	42.6	46.6	50.6	54.7
52.5°	18.4	22.1	25.5	28.8	32.3	36.1	39.9	43.8	47.8	52.1	56.4
55°	18.7	22.6	26.4	30.1	33.7	37.2	41.0	45.1	49.2	53.4	58.1
57.5°	18.6	22.4	26.5	30.8	34.8	38.8	42.5	46.4	50.6	55.0	59.5
60°	18.8	22.6	26.4	30.6	35.3	39.8	44.1	48.0	52.1	56.6	61.5
62.5°	18.2	22.2	26.4	30.6	35.1	40.2	45.2	49.8	53.7	58.0	63.3
65°	17.4	21.4	25.7	30.4	35.3	40.2	45.8	50.2	54.5	59.0	64.5
67.5°	16.4	20.4	24.8	29.7	35.0	40.1	44.2	49.3	54.4	59.7	65.4
70°	15.6	19.2	23.7	28.9	33.7	38.2	42.7	47.7	53.8	59.8	66.1
72.5°	14.9	18.4	22.6	27.1	31.5	36.1	41.1	46.2	52.5	59.5	66.6
75°	14.1	17.7	20.8	24.7	29.4	34.3	39.5	45.0	51.2	58.9	67.0
77.5°	13.2	15.8	18.8	22.7	27.5	32.8	38.2	43.8	50.2	58.4	67.3
80°	11.0	13.2	16.7	20.7	25.9	31.5	36.9	42.8	49.7	58.2	67.8
82.5°	7.2	10.8	14.6	19.2	24.0	29.3	35.0	41.6	49.2	58.2	68.5
85°	2.9	9.4	13.7	17.9	22.3	27.6	33.4	40.6	48.9	58.7	69.4
87.5°	0.9	9.7	13.9	17.4	21.2	26.4	32.2	39.9	49.0	59.7	70.8
90°	0.0	10.8	14.9	17.4	20.7	25.7	31.5	39.7	49.7	61.3	72.9
92.5°	0.9	9.7	13.9	17.4	21.2	26.4	32.2	39.9	49.0	59.7	70.8
95°	2.9	9.4	13.7	17.9	22.3	27.6	33.4	40.6	48.9	58.7	69.4
97.5°	7.2	10.8	14.6	19.2	24.0	29.3	35.0	41.6	49.2	58.2	68.5
100°	11.0	13.2	16.7	20.7	25.9	31.5	36.9	42.8	49.7	58.2	67.8
102.5°	13.2	15.8	18.8	22.7	27.5	32.8	38.2	43.8	50.2	58.4	67.3
105°	14.1	17.7	20.8	24.7	29.4	34.3	39.5	45.0	51.2	58.9	67.0
107.5°	14.9	18.4	22.6	27.1	31.5	36.1	41.1	46.2	52.5	59.5	66.6
110°	15.6	19.2	23.7	28.9	33.7	38.2	42.7	47.7	53.8	59.8	66.1



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	16.4	20.4	24.8	29.7	35.0	40.1	44.2	49.3	54.4	59.7	65.4
115°	17.4	21.4	25.7	30.4	35.3	40.2	45.8	50.2	54.5	59.0	64.5
117.5°	18.2	22.2	26.4	30.6	35.1	40.2	45.2	49.8	53.7	58.0	63.3
120°	18.8	22.6	26.4	30.6	35.3	39.8	44.1	48.0	52.1	56.6	61.5
122.5°	18.6	22.4	26.5	30.8	34.8	38.8	42.5	46.4	50.6	55.0	59.5
125°	18.7	22.6	26.4	30.1	33.7	37.2	41.0	45.1	49.2	53.4	58.1
127.5°	18.4	22.1	25.5	28.8	32.3	36.1	39.9	43.8	47.8	52.1	56.4
130°	17.6	20.9	24.4	27.9	31.5	35.1	38.7	42.6	46.6	50.6	54.7
132.5°	17.0	20.4	23.7	27.1	30.5	34.0	37.7	41.4	45.3	49.2	52.8
135°	16.6	19.8	23.0	26.3	29.6	33.0	36.8	40.5	44.0	47.4	51.0
137.5°	15.9	19.0	22.1	25.4	28.9	32.5	35.9	39.1	42.4	46.0	49.5
140°	15.3	18.5	21.7	24.9	28.1	31.2	34.5	38.0	41.4	44.5	47.6
142.5°	14.9	17.8	20.8	23.9	27.0	30.3	33.6	36.7	39.8	42.7	45.7
145°	14.3	17.2	20.2	23.2	26.2	29.1	32.0	34.9	37.8	40.7	43.6
147.5°	13.8	16.5	19.3	22.1	24.8	27.6	30.3	33.0	35.8	38.5	41.2
150°	13.0	15.6	18.2	20.8	23.4	25.9	28.5	31.1	33.6	36.0	38.2
152.5°	12.2	14.6	17.1	19.5	21.9	24.3	26.5	28.8	31.0	33.2	35.5
155°	11.3	13.5	15.7	17.9	20.0	22.1	24.3	26.5	28.6	30.8	32.7
157.5°	10.3	12.3	14.3	16.4	18.4	20.4	22.3	24.1	25.9	27.6	29.2
160°	9.3	11.1	12.9	14.6	16.4	18.0	19.7	21.3	22.9	24.5	26.1
162.5°	8.1	9.7	11.2	12.8	14.3	15.8	17.3	18.8	20.2	21.5	22.8
165°	7.0	8.3	9.7	11.0	12.3	13.6	14.8	16.0	17.2	18.4	19.5
167.5°	5.8	6.9	8.0	9.1	10.2	11.3	12.4	13.4	14.4	15.4	16.4
170°	4.7	5.6	6.5	7.4	8.3	9.1	10.0	10.8	11.7	12.5	13.3
172.5°	3.5	4.2	4.9	5.6	6.3	6.9	7.5	8.2	8.8	9.4	9.9
175°	2.4	2.8	3.3	3.7	4.2	4.6	5.0	5.5	5.9	6.3	6.7
177.5°	1.2	1.5	1.7	1.9	2.2	2.4	2.6	2.9	3.1	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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.2	5.4	5.5
5°	7.0	7.4	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2
7.5°	10.5	11.0	11.5	12.0	12.5	13.0	13.4	13.8	14.2	14.6	15.0
10°	14.0	14.7	15.4	16.1	16.7	17.3	17.8	18.3	18.8	19.3	19.8
12.5°	17.4	18.3	19.2	20.0	20.8	21.6	22.3	23.0	23.6	24.1	24.6
15°	20.6	21.7	22.8	23.8	24.8	25.8	26.7	27.5	28.3	29.0	29.6
17.5°	24.0	25.2	26.4	27.6	28.7	29.9	30.9	31.9	32.9	33.8	34.6
20°	27.6	29.0	30.3	31.5	32.7	33.9	35.1	36.3	37.4	38.4	39.4
22.5°	30.8	32.5	34.1	35.6	36.9	38.2	39.3	40.6	41.8	43.0	44.1
25°	34.4	36.1	37.7	39.4	41.0	42.6	43.9	45.0	46.2	47.5	50.2
27.5°	37.8	40.0	41.7	43.3	44.9	46.7	49.5	52.5	55.5	58.8	62.3
30°	40.4	42.9	45.3	48.0	50.6	53.5	57.0	60.8	64.8	69.0	73.3
32.5°	43.7	46.1	48.9	52.2	55.8	59.3	63.1	67.5	72.5	77.7	83.2
35°	46.5	49.5	52.4	55.4	59.3	63.6	68.2	73.0	78.7	85.0	91.6
37.5°	48.7	51.9	55.2	58.6	62.1	66.6	71.9	77.6	83.8	91.0	98.8
40°	50.8	54.1	57.6	61.3	65.1	69.3	74.6	81.1	88.2	95.9	105.0
42.5°	52.8	56.1	59.7	63.6	67.7	72.1	76.9	83.7	91.5	100.2	110.2
45°	54.7	58.3	61.7	65.7	70.0	74.6	79.8	85.6	94.2	103.8	114.5
47.5°	56.5	60.4	64.1	67.8	72.3	77.1	82.2	88.3	96.4	106.5	118.5
50°	58.5	62.4	66.4	70.3	74.4	79.3	84.8	91.1	98.8	109.4	120.8
52.5°	60.6	64.6	68.7	72.8	76.8	83.7	90.6	97.2	104.3	113.1	123.6
55°	62.5	66.8	71.5	78.1	85.1	91.9	98.4	104.5	110.7	117.7	127.4
57.5°	64.7	70.6	77.2	84.7	93.0	100.5	107.1	112.7	117.7	123.7	132.2
60°	67.5	74.5	81.9	90.3	99.7	108.9	116.4	121.6	125.9	130.8	137.6
62.5°	69.6	77.4	85.8	95.1	105.5	116.9	125.4	131.0	134.8	138.5	143.7
65°	71.3	79.5	89.0	99.1	110.7	123.4	134.1	141.0	144.3	146.6	150.3
67.5°	72.4	81.2	91.5	102.8	115.4	129.3	142.9	151.4	154.3	155.5	158.2
70°	73.5	82.6	93.7	106.0	119.5	134.8	151.2	161.3	164.5	164.4	164.6
72.5°	74.4	83.6	95.6	109.0	123.4	138.7	153.8	163.0	165.3	164.5	164.7
75°	75.3	84.9	97.3	110.6	124.8	139.3	153.1	162.3	165.0	164.4	164.7
77.5°	76.7	87.0	99.0	112.4	126.6	140.9	153.5	162.2	164.8	164.2	164.6
80°	78.1	89.1	101.3	114.7	128.9	143.3	154.8	162.6	164.6	163.9	164.5
82.5°	79.7	91.4	104.1	117.5	131.7	146.4	157.0	163.5	164.4	163.6	164.3
85°	81.6	94.1	107.4	120.8	135.0	150.1	159.8	164.6	164.3	163.2	164.1
87.5°	84.0	97.3	111.4	124.7	138.8	154.4	163.0	165.9	164.1	162.7	164.0
90°	86.9	101.0	115.9	129.2	143.2	159.0	166.4	167.2	163.9	162.3	163.9
92.5°	84.0	97.3	111.4	124.7	138.8	154.4	163.0	165.9	164.1	162.7	164.0
95°	81.6	94.1	107.4	120.8	135.0	150.1	159.8	164.6	164.3	163.2	164.1
97.5°	79.7	91.4	104.1	117.5	131.7	146.4	157.0	163.5	164.4	163.6	164.3
100°	78.1	89.1	101.3	114.7	128.9	143.3	154.8	162.6	164.6	163.9	164.5
102.5°	76.7	87.0	99.0	112.4	126.6	140.9	153.5	162.2	164.8	164.2	164.6
105°	75.3	84.9	97.3	110.6	124.8	139.3	153.1	162.3	165.0	164.4	164.7
107.5°	74.4	83.6	95.6	109.0	123.4	138.7	153.8	163.0	165.3	164.5	164.7
110°	73.5	82.6	93.7	106.0	119.5	134.8	151.2	161.3	164.5	164.4	164.6



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	72.4	81.2	91.5	102.8	115.4	129.3	142.9	151.4	154.3	155.5	158.2
115°	71.3	79.5	89.0	99.1	110.7	123.4	134.1	141.0	144.3	146.6	150.3
117.5°	69.6	77.4	85.8	95.1	105.5	116.9	125.4	131.0	134.8	138.5	143.7
120°	67.5	74.5	81.9	90.3	99.7	108.9	116.4	121.6	125.9	130.8	137.6
122.5°	64.7	70.6	77.2	84.7	93.0	100.5	107.1	112.7	117.7	123.7	132.2
125°	62.5	66.8	71.5	78.1	85.1	91.9	98.4	104.5	110.7	117.7	127.4
127.5°	60.6	64.6	68.7	72.8	76.8	83.7	90.6	97.2	104.3	113.1	123.6
130°	58.5	62.4	66.4	70.3	74.4	79.3	84.8	91.1	98.8	109.4	120.8
132.5°	56.5	60.4	64.1	67.8	72.3	77.1	82.2	88.3	96.4	106.5	118.5
135°	54.7	58.3	61.7	65.7	70.0	74.6	79.8	85.6	94.2	103.8	114.5
137.5°	52.8	56.1	59.7	63.6	67.7	72.1	76.9	83.7	91.5	100.2	110.2
140°	50.8	54.1	57.6	61.3	65.1	69.3	74.6	81.1	88.2	95.9	105.0
142.5°	48.7	51.9	55.2	58.6	62.1	66.6	71.9	77.6	83.8	91.0	98.8
145°	46.5	49.5	52.4	55.4	59.3	63.6	68.2	73.0	78.7	85.0	91.6
147.5°	43.7	46.1	48.9	52.2	55.8	59.3	63.1	67.5	72.5	77.7	83.2
150°	40.4	42.9	45.3	48.0	50.6	53.5	57.0	60.8	64.8	69.0	73.3
152.5°	37.8	40.0	41.7	43.3	44.9	46.7	49.5	52.5	55.5	58.8	62.3
155°	34.4	36.1	37.7	39.4	41.0	42.6	43.9	45.0	46.2	47.5	50.2
157.5°	30.8	32.5	34.1	35.6	36.9	38.2	39.3	40.6	41.8	43.0	44.1
160°	27.6	29.0	30.3	31.5	32.7	33.9	35.1	36.3	37.4	38.4	39.4
162.5°	24.0	25.2	26.4	27.6	28.7	29.9	30.9	31.9	32.9	33.8	34.6
165°	20.6	21.7	22.8	23.8	24.8	25.8	26.7	27.5	28.3	29.0	29.6
167.5°	17.4	18.3	19.2	20.0	20.8	21.6	22.3	23.0	23.6	24.1	24.6
170°	14.0	14.7	15.4	16.1	16.7	17.3	17.8	18.3	18.8	19.3	19.8
172.5°	10.5	11.0	11.5	12.0	12.5	13.0	13.4	13.8	14.2	14.6	15.0
175°	7.0	7.4	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2
177.5°	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.2	5.4	5.5
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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	5.6	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	7.2
5°	10.4	10.7	10.9	11.1	11.3	11.5	11.7	11.8	11.9	12.0	13.5
7.5°	15.3	15.6	15.9	16.2	16.6	16.8	17.1	17.3	17.5	17.6	19.9
10°	20.2	20.6	21.0	21.4	21.7	22.1	22.5	22.8	23.0	23.2	26.2
12.5°	25.2	25.7	26.1	26.6	26.9	27.4	27.8	28.2	28.6	28.9	32.6
15°	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.1	34.5	38.9
17.5°	35.2	35.8	36.3	36.9	37.5	38.0	38.5	39.1	39.6	40.1	45.3
20°	40.3	41.0	41.5	42.0	42.7	43.3	43.8	44.5	45.1	45.7	51.6
22.5°	45.1	46.1	46.8	47.3	47.8	48.6	49.2	49.9	50.6	51.3	57.9
25°	52.9	55.6	58.1	60.3	62.4	64.6	66.7	68.6	70.3	71.7	79.1
27.5°	65.8	69.3	72.6	75.8	78.8	81.7	84.7	87.4	90.0	92.1	100.3
30°	77.7	82.2	86.4	90.5	94.5	98.4	102.4	106.1	109.5	112.6	121.6
32.5°	88.7	94.1	99.4	104.6	109.7	114.7	119.7	124.6	129.0	133.0	142.9
35°	98.6	105.3	111.9	118.0	124.2	130.5	136.7	142.8	148.3	153.4	164.2
37.5°	107.2	115.6	123.5	131.0	138.5	145.8	153.4	160.8	167.6	173.8	185.5
40°	114.7	125.0	134.4	143.4	151.9	160.8	169.8	178.7	186.8	194.3	206.9
42.5°	121.1	133.1	144.6	155.7	165.2	175.4	186.2	196.3	205.9	214.7	228.2
45°	127.0	140.4	154.3	166.6	178.2	189.6	201.8	213.8	225.0	235.1	249.5
47.5°	131.7	145.2	159.3	171.5	183.0	194.4	207.1	220.4	233.5	245.6	262.0
50°	133.0	146.1	159.9	172.7	184.7	197.1	211.1	226.3	241.7	256.1	274.5
52.5°	135.3	148.0	161.1	174.0	186.3	199.8	215.1	232.1	249.9	266.6	287.0
55°	138.6	150.5	162.9	175.7	188.0	202.5	218.9	237.6	258.0	277.1	299.6
57.5°	142.4	153.6	165.3	177.5	190.0	205.0	222.6	243.1	266.0	287.5	312.3
60°	146.7	157.3	168.7	179.8	192.2	207.5	226.2	248.3	273.9	298.0	325.0
62.5°	151.6	161.6	171.9	182.6	194.5	210.0	229.8	253.5	281.7	308.5	337.7
65°	157.3	166.4	175.9	185.7	197.0	212.5	233.4	258.6	289.6	319.0	350.4
67.5°	163.7	171.7	180.4	189.3	199.7	215.0	236.9	263.7	297.4	329.5	363.1
70°	167.7	173.8	181.2	189.0	198.6	212.9	234.2	260.7	295.0	328.9	365.6
72.5°	167.6	172.9	179.8	187.2	196.6	210.3	231.2	257.5	292.5	328.2	368.1
75°	167.5	172.3	178.7	185.6	194.7	208.0	228.3	254.5	290.0	327.6	372.1
77.5°	167.6	171.9	177.7	184.0	193.0	205.8	225.6	251.6	287.6	326.9	374.1
80°	167.9	171.7	176.9	182.6	191.4	203.9	223.0	248.9	285.3	326.3	376.1
82.5°	168.2	171.6	176.2	181.3	189.9	202.2	220.6	246.3	283.0	325.6	378.1
85°	168.6	171.7	175.6	180.1	188.6	200.6	218.4	243.8	280.7	325.0	380.2
87.5°	169.1	171.9	175.1	179.0	187.4	199.2	216.3	241.5	278.6	324.3	382.2
90°	169.7	172.2	174.7	178.0	186.3	197.9	214.4	239.3	276.5	323.7	384.2
92.5°	169.1	171.9	175.1	179.0	187.4	199.2	216.3	241.5	278.6	324.3	382.2
95°	168.6	171.7	175.6	180.1	188.6	200.6	218.4	243.8	280.7	325.0	380.2
97.5°	168.2	171.6	176.2	181.3	189.9	202.2	220.6	246.3	283.0	325.6	378.1
100°	167.9	171.7	176.9	182.6	191.4	203.9	223.0	248.9	285.3	326.3	376.1
102.5°	167.6	171.9	177.7	184.0	193.0	205.8	225.6	251.6	287.6	326.9	374.1
105°	167.5	172.3	178.7	185.6	194.7	208.0	228.3	254.5	290.0	327.6	372.1
107.5°	167.6	172.9	179.8	187.2	196.6	210.3	231.2	257.5	292.5	328.2	368.1
110°	167.7	173.8	181.2	189.0	198.6	212.9	234.2	260.7	295.0	328.9	365.6



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	163.7	171.7	180.4	189.3	199.7	215.0	236.9	263.7	297.4	329.5	363.1
115°	157.3	166.4	175.9	185.7	197.0	212.5	233.4	258.6	289.6	319.0	350.4
117.5°	151.6	161.6	171.9	182.6	194.5	210.0	229.8	253.5	281.7	308.5	337.7
120°	146.7	157.3	168.7	179.8	192.2	207.5	226.2	248.3	273.9	298.0	325.0
122.5°	142.4	153.6	165.3	177.5	190.0	205.0	222.6	243.1	266.0	287.5	312.3
125°	138.6	150.5	162.9	175.7	188.0	202.5	218.9	237.6	258.0	277.1	299.6
127.5°	135.3	148.0	161.1	174.0	186.3	199.8	215.1	232.1	249.9	266.6	287.0
130°	133.0	146.1	159.9	172.7	184.7	197.1	211.1	226.3	241.7	256.1	274.5
132.5°	131.7	145.2	159.3	171.5	183.0	194.4	207.1	220.4	233.5	245.6	262.0
135°	127.0	140.4	154.3	166.6	178.2	189.6	201.8	213.8	225.0	235.1	249.5
137.5°	121.1	133.1	144.6	155.7	165.2	175.4	186.2	196.3	205.9	214.7	228.2
140°	114.7	125.0	134.4	143.4	151.9	160.8	169.8	178.7	186.8	194.3	206.9
142.5°	107.2	115.6	123.5	131.0	138.5	145.8	153.4	160.8	167.6	173.8	185.5
145°	98.6	105.3	111.9	118.0	124.2	130.5	136.7	142.8	148.3	153.4	164.2
147.5°	88.7	94.1	99.4	104.6	109.7	114.7	119.7	124.6	129.0	133.0	142.9
150°	77.7	82.2	86.4	90.5	94.5	98.4	102.4	106.1	109.5	112.6	121.6
152.5°	65.8	69.3	72.6	75.8	78.8	81.7	84.7	87.4	90.0	92.1	100.3
155°	52.9	55.6	58.1	60.3	62.4	64.6	66.7	68.6	70.3	71.7	79.1
157.5°	45.1	46.1	46.8	47.3	47.8	48.6	49.2	49.9	50.6	51.3	57.9
160°	40.3	41.0	41.5	42.0	42.7	43.3	43.8	44.5	45.1	45.7	51.6
162.5°	35.2	35.8	36.3	36.9	37.5	38.0	38.5	39.1	39.6	40.1	45.3
165°	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.1	34.5	38.9
167.5°	25.2	25.7	26.1	26.6	26.9	27.4	27.8	28.2	28.6	28.9	32.6
170°	20.2	20.6	21.0	21.4	21.7	22.1	22.5	22.8	23.0	23.2	26.2
172.5°	15.3	15.6	15.9	16.2	16.6	16.8	17.1	17.3	17.5	17.6	19.9
175°	10.4	10.7	10.9	11.1	11.3	11.5	11.7	11.8	11.9	12.0	13.5
177.5°	5.6	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	7.2
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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	7.9	8.6	9.3	10.0	10.7	11.4	12.0	12.6	13.2	13.8	14.4
5°	15.0	16.5	17.9	19.3	20.6	22.0	23.2	24.5	25.7	26.8	27.9
7.5°	22.1	24.3	26.4	28.5	30.5	32.5	34.6	37.2	39.7	42.1	44.5
10°	29.2	32.1	34.9	37.7	40.6	44.2	47.8	51.2	54.5	57.8	61.1
12.5°	36.3	39.9	43.4	47.3	51.9	56.4	60.8	65.0	69.3	73.4	77.5
15°	43.3	47.7	52.1	57.6	63.1	68.4	73.6	78.8	83.9	88.8	94.2
17.5°	50.4	55.4	61.4	67.8	74.1	80.3	86.3	92.2	98.0	103.0	107.7
20°	57.4	63.3	70.6	77.9	85.0	91.8	98.6	105.1	110.6	115.9	121.1
22.5°	64.4	71.6	79.8	87.8	95.5	103.0	110.3	116.4	122.4	128.2	133.9
25°	86.0	93.8	102.0	109.5	116.2	122.6	127.5	131.8	135.8	139.5	145.5
27.5°	108.1	117.1	126.0	133.7	140.7	146.5	151.0	155.2	159.0	162.5	165.0
30°	130.3	140.3	150.1	157.5	165.2	169.4	173.7	177.6	181.3	183.9	186.1
32.5°	152.7	163.4	173.2	180.9	187.2	191.5	195.5	199.2	202.1	204.3	208.3
35°	175.0	186.5	196.1	203.9	208.9	213.1	216.4	219.7	221.8	224.8	230.6
37.5°	197.3	209.5	218.7	226.3	229.9	233.4	236.7	239.0	241.0	245.7	251.7
40°	219.5	232.4	241.0	247.4	250.4	253.4	256.1	257.5	260.5	265.1	273.3
42.5°	241.7	255.0	263.0	267.9	270.3	272.8	274.4	275.4	279.1	284.8	293.3
45°	263.8	276.9	284.7	288.0	289.7	291.6	292.2	293.5	296.3	303.7	313.7
47.5°	279.4	295.4	306.9	312.2	316.0	318.1	316.7	313.7	314.1	321.8	333.7
50°	295.0	314.3	329.9	339.5	349.1	356.9	361.9	366.2	368.3	367.8	367.3
52.5°	310.9	334.0	353.7	368.6	384.7	398.9	411.9	423.6	430.7	428.1	425.1
55°	327.1	354.4	378.7	399.6	422.4	444.0	466.0	484.3	493.7	485.0	479.1
57.5°	343.5	375.4	404.8	432.4	462.3	491.8	523.7	547.3	551.8	539.2	529.4
60°	360.2	397.0	431.9	466.7	504.5	542.5	584.7	612.6	607.2	590.6	576.4
62.5°	377.1	419.1	459.8	502.3	548.4	596.6	647.6	679.8	660.3	639.3	620.2
65°	394.0	441.6	488.4	539.0	593.9	652.9	710.2	740.0	711.4	685.6	661.0
67.5°	411.1	464.3	517.5	576.5	640.7	710.9	773.9	794.7	761.1	729.6	699.1
70°	414.4	468.9	524.5	589.2	660.0	739.1	808.9	828.0	800.3	769.8	735.2
72.5°	417.0	471.7	527.9	595.4	667.7	747.3	814.7	829.9	810.9	782.9	749.1
75°	419.3	474.1	530.9	601.1	674.4	753.9	819.7	835.1	824.1	796.4	760.4
77.5°	421.5	476.1	533.4	606.3	680.2	758.9	823.8	843.0	839.5	810.3	771.9
80°	424.8	477.7	535.4	610.9	685.0	762.5	827.0	852.9	856.6	824.8	783.8
82.5°	425.9	480.5	539.0	614.9	689.0	764.7	829.3	864.2	875.1	840.0	796.2
85°	426.9	480.6	539.0	619.8	693.8	767.7	832.8	877.9	894.3	855.8	809.4
87.5°	427.9	480.8	539.0	621.2	694.6	765.9	831.6	888.9	914.0	872.1	822.9
90°	428.9	481.0	539.0	622.6	695.5	764.2	830.4	900.0	933.1	890.1	838.7
92.5°	427.9	480.8	539.0	621.2	694.6	765.9	831.6	888.9	914.0	872.1	822.9
95°	426.9	480.6	539.0	619.8	693.8	767.7	832.8	877.9	894.3	855.8	809.4
97.5°	425.9	480.5	539.0	614.9	689.0	764.7	829.3	864.2	875.1	840.0	796.2
100°	424.8	477.7	535.4	610.9	685.0	762.5	827.0	852.9	856.6	824.8	783.8
102.5°	421.5	476.1	533.4	606.3	680.2	758.9	823.8	843.0	839.5	810.3	771.9
105°	419.3	474.1	530.9	601.1	674.4	753.9	819.7	835.1	824.1	796.4	760.4
107.5°	417.0	471.7	527.9	595.4	667.7	747.3	814.7	829.9	810.9	782.9	749.1
110°	414.4	468.9	524.5	589.2	660.0	739.1	808.9	828.0	800.3	769.8	735.2



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	411.1	464.3	517.5	576.5	640.7	710.9	773.9	794.7	761.1	729.6	699.1
115°	394.0	441.6	488.4	539.0	593.9	652.9	710.2	740.0	711.4	685.6	661.0
117.5°	377.1	419.1	459.8	502.3	548.4	596.6	647.6	679.8	660.3	639.3	620.2
120°	360.2	397.0	431.9	466.7	504.5	542.5	584.7	612.6	607.2	590.6	576.4
122.5°	343.5	375.4	404.8	432.4	462.3	491.8	523.7	547.3	551.8	539.2	529.4
125°	327.1	354.4	378.7	399.6	422.4	444.0	466.0	484.3	493.7	485.0	479.1
127.5°	310.9	334.0	353.7	368.6	384.7	398.9	411.9	423.6	430.7	428.1	425.1
130°	295.0	314.3	329.9	339.5	349.1	356.9	361.9	366.2	368.3	367.8	367.3
132.5°	279.4	295.4	306.9	312.2	316.0	318.1	316.7	313.7	314.1	321.8	333.7
135°	263.8	276.9	284.7	288.0	289.7	291.6	292.2	293.5	296.3	303.7	313.7
137.5°	241.7	255.0	263.0	267.9	270.3	272.8	274.4	275.4	279.1	284.8	293.3
140°	219.5	232.4	241.0	247.4	250.4	253.4	256.1	257.5	260.5	265.1	273.3
142.5°	197.3	209.5	218.7	226.3	229.9	233.4	236.7	239.0	241.0	245.7	251.7
145°	175.0	186.5	196.1	203.9	208.9	213.1	216.4	219.7	221.8	224.8	230.6
147.5°	152.7	163.4	173.2	180.9	187.2	191.5	195.5	199.2	202.1	204.3	208.3
150°	130.3	140.3	150.1	157.5	165.2	169.4	173.7	177.6	181.3	183.9	186.1
152.5°	108.1	117.1	126.0	133.7	140.7	146.5	151.0	155.2	159.0	162.5	165.0
155°	86.0	93.8	102.0	109.5	116.2	122.6	127.5	131.8	135.8	139.5	145.5
157.5°	64.4	71.6	79.8	87.8	95.5	103.0	110.3	116.4	122.4	128.2	133.9
160°	57.4	63.3	70.6	77.9	85.0	91.8	98.6	105.1	110.6	115.9	121.1
162.5°	50.4	55.4	61.4	67.8	74.1	80.3	86.3	92.2	98.0	103.0	107.7
165°	43.3	47.7	52.1	57.6	63.1	68.4	73.6	78.8	83.9	88.8	94.2
167.5°	36.3	39.9	43.4	47.3	51.9	56.4	60.8	65.0	69.3	73.4	77.5
170°	29.2	32.1	34.9	37.7	40.6	44.2	47.8	51.2	54.5	57.8	61.1
172.5°	22.1	24.3	26.4	28.5	30.5	32.5	34.6	37.2	39.7	42.1	44.5
175°	15.0	16.5	17.9	19.3	20.6	22.0	23.2	24.5	25.7	26.8	27.9
177.5°	7.9	8.6	9.3	10.0	10.7	11.4	12.0	12.6	13.2	13.8	14.4
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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	14.9	15.4	15.8	16.3	16.7	17.1	17.4	17.7	18.0	18.3	18.5
5°	29.4	30.9	32.2	33.6	34.8	36.0	37.0	38.1	39.0	39.8	40.6
7.5°	46.8	48.9	51.0	52.9	54.8	56.8	58.5	60.2	61.8	63.2	64.5
10°	64.1	67.1	70.1	72.9	75.6	78.1	80.5	82.6	84.4	86.1	87.6
12.5°	81.4	85.2	88.8	91.8	94.7	97.4	100.0	102.4	104.7	107.1	109.5
15°	97.6	101.5	105.2	108.8	112.3	116.0	119.6	123.0	126.3	129.4	132.4
17.5°	112.3	117.2	121.3	125.8	130.2	134.5	138.6	142.6	146.5	150.3	154.0
20°	126.4	131.6	136.7	141.6	146.3	151.0	155.6	160.5	165.6	170.4	174.9
22.5°	139.5	145.0	150.1	155.2	160.5	167.1	173.7	179.8	185.4	189.9	193.6
25°	150.9	156.1	162.0	169.5	177.5	185.2	192.6	199.1	204.8	209.8	214.5
27.5°	167.1	170.5	176.7	186.0	196.0	205.4	214.8	221.7	228.7	234.6	239.9
30°	190.3	196.4	203.0	211.4	219.6	229.0	239.1	247.9	256.4	263.7	270.4
32.5°	214.3	221.5	230.3	239.3	249.1	258.6	268.5	278.3	287.4	294.6	300.9
35°	237.5	246.6	256.3	267.0	277.7	289.0	299.9	309.1	317.8	327.5	338.2
37.5°	260.7	270.7	282.1	293.9	306.2	317.8	328.5	339.4	352.2	365.8	377.8
40°	282.7	294.7	307.2	320.4	333.0	345.0	358.5	372.8	388.0	403.5	419.7
42.5°	305.1	317.8	331.7	345.4	358.7	373.9	389.6	407.3	426.2	445.6	466.2
45°	326.4	340.6	355.1	369.7	385.8	402.6	422.2	442.3	465.4	490.5	520.8
47.5°	347.5	362.3	377.9	394.5	412.3	433.1	454.9	479.5	508.3	540.5	581.5
50°	369.8	383.7	400.4	419.0	440.0	462.7	488.4	518.6	553.8	599.1	648.3
52.5°	424.6	427.0	432.9	443.5	467.9	492.8	522.7	558.2	606.5	660.6	722.2
55°	475.5	474.8	478.5	487.6	502.9	523.4	555.5	604.7	660.4	723.2	796.8
57.5°	522.0	518.0	519.3	527.2	542.3	566.4	603.1	651.5	712.6	788.0	871.6
60°	564.6	556.4	556.0	563.7	580.6	607.9	654.1	708.2	773.5	850.8	949.8
62.5°	603.7	592.1	588.5	595.7	616.3	653.5	703.1	762.4	839.8	930.2	1035.6
65°	639.2	624.4	619.8	627.9	650.9	693.7	748.1	820.6	907.5	1008.1	1128.7
67.5°	671.6	653.1	647.6	658.5	687.7	733.2	792.9	873.3	970.0	1085.9	1222.9
70°	702.3	679.3	672.2	686.1	720.0	768.7	838.5	927.0	1031.3	1155.3	1308.9
72.5°	719.7	701.7	698.3	713.9	748.9	801.9	878.7	973.5	1085.2	1219.9	1367.5
75°	732.8	720.1	722.7	742.8	780.7	836.6	917.7	1014.4	1128.3	1270.2	1414.0
77.5°	747.2	739.6	746.3	769.9	810.4	872.6	957.3	1056.1	1173.0	1308.8	1451.9
80°	762.7	760.0	769.2	795.3	837.4	904.3	990.8	1089.2	1209.3	1342.9	1498.7
82.5°	779.1	781.0	791.5	819.0	861.9	931.9	1018.7	1114.2	1235.5	1367.4	1530.7
85°	796.3	802.4	813.2	841.2	884.1	955.5	1041.2	1132.1	1252.4	1382.4	1548.2
87.5°	813.9	824.1	834.7	862.6	905.0	977.0	1060.9	1145.9	1264.2	1392.4	1558.0
90°	832.1	845.3	855.3	881.8	922.3	991.9	1072.2	1150.0	1261.8	1386.0	1544.1
92.5°	813.9	824.1	834.7	862.6	905.0	977.0	1060.9	1145.9	1264.2	1392.4	1558.0
95°	796.3	802.4	813.2	841.2	884.1	955.5	1041.2	1132.1	1252.4	1382.4	1548.2
97.5°	779.1	781.0	791.5	819.0	861.9	931.9	1018.7	1114.2	1235.5	1367.4	1530.7
100°	762.7	760.0	769.2	795.3	837.4	904.3	990.8	1089.2	1209.3	1342.9	1498.7
102.5°	747.2	739.6	746.3	769.9	810.4	872.6	957.3	1056.1	1173.0	1308.8	1451.9
105°	732.8	720.1	722.7	742.8	780.7	836.6	917.7	1014.4	1128.3	1270.2	1414.0
107.5°	719.7	701.7	698.3	713.9	748.9	801.9	878.7	973.5	1085.2	1219.9	1367.5
110°	702.3	679.3	672.2	686.1	720.0	768.7	838.5	927.0	1031.3	1155.3	1308.9



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	671.6	653.1	647.6	658.5	687.7	733.2	792.9	873.3	970.0	1085.9	1222.9
115°	639.2	624.4	619.8	627.9	650.9	693.7	748.1	820.6	907.5	1008.1	1128.7
117.5°	603.7	592.1	588.5	595.7	616.3	653.5	703.1	762.4	839.8	930.2	1035.6
120°	564.6	556.4	556.0	563.7	580.6	607.9	654.1	708.2	773.5	850.8	949.8
122.5°	522.0	518.0	519.3	527.2	542.3	566.4	603.1	651.5	712.6	788.0	871.6
125°	475.5	474.8	478.5	487.6	502.9	523.4	555.5	604.7	660.4	723.2	796.8
127.5°	424.6	427.0	432.9	443.5	467.9	492.8	522.7	558.2	606.5	660.6	722.2
130°	369.8	383.7	400.4	419.0	440.0	462.7	488.4	518.6	553.8	599.1	648.3
132.5°	347.5	362.3	377.9	394.5	412.3	433.1	454.9	479.5	508.3	540.5	581.5
135°	326.4	340.6	355.1	369.7	385.8	402.6	422.2	442.3	465.4	490.5	520.8
137.5°	305.1	317.8	331.7	345.4	358.7	373.9	389.6	407.3	426.2	445.6	466.2
140°	282.7	294.7	307.2	320.4	333.0	345.0	358.5	372.8	388.0	403.5	419.7
142.5°	260.7	270.7	282.1	293.9	306.2	317.8	328.5	339.4	352.2	365.8	377.8
145°	237.5	246.6	256.3	267.0	277.7	289.0	299.9	309.1	317.8	327.5	338.2
147.5°	214.3	221.5	230.3	239.3	249.1	258.6	268.5	278.3	287.4	294.6	300.9
150°	190.3	196.4	203.0	211.4	219.6	229.0	239.1	247.9	256.4	263.7	270.4
152.5°	167.1	170.5	176.7	186.0	196.0	205.4	214.8	221.7	228.7	234.6	239.9
155°	150.9	156.1	162.0	169.5	177.5	185.2	192.6	199.1	204.8	209.8	214.5
157.5°	139.5	145.0	150.1	155.2	160.5	167.1	173.7	179.8	185.4	189.9	193.6
160°	126.4	131.6	136.7	141.6	146.3	151.0	155.6	160.5	165.6	170.4	174.9
162.5°	112.3	117.2	121.3	125.8	130.2	134.5	138.6	142.6	146.5	150.3	154.0
165°	97.6	101.5	105.2	108.8	112.3	116.0	119.6	123.0	126.3	129.4	132.4
167.5°	81.4	85.2	88.8	91.8	94.7	97.4	100.0	102.4	104.7	107.1	109.5
170°	64.1	67.1	70.1	72.9	75.6	78.1	80.5	82.6	84.4	86.1	87.6
172.5°	46.8	48.9	51.0	52.9	54.8	56.8	58.5	60.2	61.8	63.2	64.5
175°	29.4	30.9	32.2	33.6	34.8	36.0	37.0	38.1	39.0	39.8	40.6
177.5°	14.9	15.4	15.8	16.3	16.7	17.1	17.4	17.7	18.0	18.3	18.5
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: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-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°	18.7	18.8	18.9	19.0	19.1	19.1	19.7	19.4	19.2	18.9	18.7
5°	41.2	41.8	42.3	42.7	43.0	43.3	43.4	43.4	44.1	43.6	43.1
7.5°	65.7	66.7	67.6	68.4	69.0	69.5	69.8	70.0	70.1	70.6	70.0
10°	89.0	90.2	91.3	92.2	92.9	93.5	93.9	94.2	94.2	94.9	94.2
12.5°	111.7	113.7	115.5	117.2	118.6	119.8	120.8	121.6	122.1	122.4	123.0
15°	135.3	137.9	140.4	142.7	144.9	146.7	148.4	149.8	150.9	151.7	152.9
17.5°	157.5	160.8	163.8	166.4	168.8	170.8	172.4	173.8	174.8	175.4	176.4
20°	179.0	182.2	184.2	185.6	186.6	187.1	187.2	186.9	186.3	185.4	184.4
22.5°	196.6	198.9	200.9	202.6	203.6	203.9	203.7	203.0	201.7	200.0	198.5
25°	218.2	221.1	223.1	225.0	226.0	226.2	225.7	224.4	222.5	220.0	217.0
27.5°	244.5	248.0	250.5	252.4	253.9	254.6	254.5	253.7	252.1	249.8	246.7
30°	274.6	278.8	282.0	284.5	289.6	293.9	297.2	299.6	300.8	301.0	299.9
32.5°	307.5	315.9	323.7	330.8	338.5	346.2	353.0	358.8	363.3	366.5	368.1
35°	348.4	359.8	371.5	382.7	393.9	406.2	417.5	427.3	435.7	442.3	446.9
37.5°	391.7	406.3	423.4	440.1	456.0	474.2	491.3	506.4	519.3	529.8	537.7
40°	437.9	457.3	481.5	506.2	529.6	554.3	579.8	602.9	623.2	640.3	653.8
42.5°	492.0	519.0	549.2	584.3	618.0	651.1	686.7	718.0	744.8	766.9	784.1
45°	553.1	591.8	628.9	677.0	724.2	772.3	809.1	846.9	880.1	908.1	930.5
47.5°	624.7	676.0	730.2	784.7	839.0	890.0	943.2	995.4	1041.2	1080.1	1111.5
50°	707.2	767.9	831.8	894.2	967.9	1037.5	1106.6	1179.1	1242.6	1296.3	1339.4
52.5°	790.5	861.0	942.4	1025.8	1121.4	1219.2	1308.2	1390.9	1465.9	1531.7	1586.7
55°	874.8	966.4	1065.7	1180.2	1294.0	1404.6	1506.2	1585.2	1654.0	1716.3	1770.8
57.5°	968.0	1080.8	1204.2	1333.8	1466.4	1558.0	1643.7	1723.0	1793.7	1859.1	1917.9
60°	1067.5	1198.1	1340.8	1473.2	1587.1	1678.9	1756.2	1832.6	1904.7	1970.0	2028.1
62.5°	1163.7	1316.4	1462.7	1595.3	1690.2	1777.2	1851.6	1923.3	1997.4	2064.6	2123.8
65°	1273.0	1424.9	1573.7	1679.7	1771.5	1854.7	1935.1	2010.6	2083.0	2148.1	2201.3
67.5°	1373.7	1530.3	1647.5	1745.2	1835.4	1925.7	2011.0	2091.5	2164.7	2224.7	2274.3
70°	1457.0	1598.7	1710.4	1799.5	1894.1	1987.4	2077.0	2158.2	2234.3	2299.5	2344.5
72.5°	1520.3	1662.7	1760.6	1853.7	1946.1	2037.9	2129.1	2213.7	2300.2	2372.0	2410.1
75°	1578.1	1702.9	1801.0	1895.6	1991.3	2083.8	2166.3	2255.2	2341.0	2418.3	2463.7
77.5°	1626.4	1737.7	1829.3	1927.3	2027.6	2119.1	2202.1	2284.7	2383.8	2458.5	2505.3
80°	1652.2	1758.1	1848.2	1950.0	2054.6	2147.4	2232.7	2329.1	2425.7	2495.0	2527.4
82.5°	1674.0	1775.6	1870.4	1972.0	2069.5	2160.6	2252.7	2351.3	2450.7	2512.5	2541.6
85°	1689.8	1785.6	1884.5	1987.1	2083.0	2174.0	2263.2	2358.2	2460.7	2525.6	2557.8
87.5°	1703.0	1787.9	1889.6	1990.3	2086.2	2176.7	2274.0	2371.5	2475.8	2533.0	2559.6
90°	1695.7	1782.6	1885.3	1982.1	2078.2	2166.8	2271.9	2363.8	2472.3	2531.1	2546.0
92.5°	1703.0	1787.9	1889.6	1990.3	2086.2	2176.7	2274.0	2371.5	2475.8	2533.0	2559.6
95°	1689.8	1785.6	1884.5	1987.1	2083.0	2174.0	2263.2	2358.2	2460.7	2525.6	2557.8
97.5°	1674.0	1775.6	1870.4	1972.0	2069.5	2160.6	2252.7	2351.3	2450.7	2512.5	2541.6
100°	1652.2	1758.1	1848.2	1950.0	2054.6	2147.4	2232.7	2329.1	2425.7	2495.0	2527.4
102.5°	1626.4	1737.7	1829.3	1927.3	2027.6	2119.1	2202.1	2284.7	2383.8	2458.5	2505.3
105°	1578.1	1702.9	1801.0	1895.6	1991.3	2083.8	2166.3	2255.2	2341.0	2418.3	2463.7
107.5°	1520.3	1662.7	1760.6	1853.7	1946.1	2037.9	2129.1	2213.7	2300.2	2372.0	2410.1
110°	1457.0	1598.7	1710.4	1799.5	1894.1	1987.4	2077.0	2158.2	2234.3	2299.5	2344.5



TEST NUMBER: P232078

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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°	1373.7	1530.3	1647.5	1745.2	1835.4	1925.7	2011.0	2091.5	2164.7	2224.7	2274.3
115°	1273.0	1424.9	1573.7	1679.7	1771.5	1854.7	1935.1	2010.6	2083.0	2148.1	2201.3
117.5°	1163.7	1316.4	1462.7	1595.3	1690.2	1777.2	1851.6	1923.3	1997.4	2064.6	2123.8
120°	1067.5	1198.1	1340.8	1473.2	1587.1	1678.9	1756.2	1832.6	1904.7	1970.0	2028.1
122.5°	968.0	1080.8	1204.2	1333.8	1466.4	1558.0	1643.7	1723.0	1793.7	1859.1	1917.9
125°	874.8	966.4	1065.7	1180.2	1294.0	1404.6	1506.2	1585.2	1654.0	1716.3	1770.8
127.5°	790.5	861.0	942.4	1025.8	1121.4	1219.2	1308.2	1390.9	1465.9	1531.7	1586.7
130°	707.2	767.9	831.8	894.2	967.9	1037.5	1106.6	1179.1	1242.6	1296.3	1339.4
132.5°	624.7	676.0	730.2	784.7	839.0	890.0	943.2	995.4	1041.2	1080.1	1111.5
135°	553.1	591.8	628.9	677.0	724.2	772.3	809.1	846.9	880.1	908.1	930.5
137.5°	492.0	519.0	549.2	584.3	618.0	651.1	686.7	718.0	744.8	766.9	784.1
140°	437.9	457.3	481.5	506.2	529.6	554.3	579.8	602.9	623.2	640.3	653.8
142.5°	391.7	406.3	423.4	440.1	456.0	474.2	491.3	506.4	519.3	529.8	537.7
145°	348.4	359.8	371.5	382.7	393.9	406.2	417.5	427.3	435.7	442.3	446.9
147.5°	307.5	315.9	323.7	330.8	338.5	346.2	353.0	358.8	363.3	366.5	368.1
150°	274.6	278.8	282.0	284.5	289.6	293.9	297.2	299.6	300.8	301.0	299.9
152.5°	244.5	248.0	250.5	252.4	253.9	254.6	254.5	253.7	252.1	249.8	246.7
155°	218.2	221.1	223.1	225.0	226.0	226.2	225.7	224.4	222.5	220.0	217.0
157.5°	196.6	198.9	200.9	202.6	203.6	203.9	203.7	203.0	201.7	200.0	198.5
160°	179.0	182.2	184.2	185.6	186.6	187.1	187.2	186.9	186.3	185.4	184.4
162.5°	157.5	160.8	163.8	166.4	168.8	170.8	172.4	173.8	174.8	175.4	176.4
165°	135.3	137.9	140.4	142.7	144.9	146.7	148.4	149.8	150.9	151.7	152.9
167.5°	111.7	113.7	115.5	117.2	118.6	119.8	120.8	121.6	122.1	122.4	123.0
170°	89.0	90.2	91.3	92.2	92.9	93.5	93.9	94.2	94.2	94.9	94.2
172.5°	65.7	66.7	67.6	68.4	69.0	69.5	69.8	70.0	70.1	70.6	70.0
175°	41.2	41.8	42.3	42.7	43.0	43.3	43.4	43.4	44.1	43.6	43.1
177.5°	18.7	18.8	18.9	19.0	19.1	19.1	19.7	19.4	19.2	18.9	18.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.8	0.8
2.5°	18.4	18.2
5°	42.7	42.2
7.5°	69.3	68.7
10°	93.4	92.7
12.5°	122.4	121.7
15°	152.6	152.3
17.5°	176.0	175.5
20°	182.9	181.3
22.5°	195.7	192.9
25°	213.6	209.5
27.5°	243.3	238.5
30°	298.3	293.9
32.5°	368.9	366.0
35°	450.7	449.6
37.5°	544.3	544.8
40°	665.8	669.0
42.5°	798.9	803.1
45°	950.3	957.1
47.5°	1139.2	1149.2
50°	1377.4	1391.0
52.5°	1636.9	1658.4
55°	1821.8	1850.5
57.5°	1973.7	2009.5
60°	2082.6	2120.4
62.5°	2174.7	2217.3
65°	2244.0	2278.5
67.5°	2314.2	2345.6
70°	2375.9	2396.9
72.5°	2436.7	2453.2
75°	2485.8	2498.8
77.5°	2516.8	2517.8
80°	2539.5	2542.7
82.5°	2555.5	2564.2
85°	2573.1	2565.0
87.5°	2578.8	2575.8
90°	2574.9	2570.0
92.5°	2578.8	2575.8
95°	2573.1	2565.0
97.5°	2555.5	2564.2
100°	2539.5	2542.7
102.5°	2516.8	2517.8
105°	2485.8	2498.8
107.5°	2436.7	2453.2
110°	2375.9	2396.9



TEST NUMBER: P232078

CATALOG NUMBER: FVS4WM-3-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2314.2	2345.6
115°	2244.0	2278.5
117.5°	2174.7	2217.3
120°	2082.6	2120.4
122.5°	1973.7	2009.5
125°	1821.8	1850.5
127.5°	1636.9	1658.4
130°	1377.4	1391.0
132.5°	1139.2	1149.2
135°	950.3	957.1
137.5°	798.9	803.1
140°	665.8	669.0
142.5°	544.3	544.8
145°	450.7	449.6
147.5°	368.9	366.0
150°	298.3	293.9
152.5°	243.3	238.5
155°	213.6	209.5
157.5°	195.7	192.9
160°	182.9	181.3
162.5°	176.0	175.5
165°	152.6	152.3
167.5°	122.4	121.7
170°	93.4	92.7
172.5°	69.3	68.7
175°	42.7	42.2
177.5°	18.4	18.2
180°	0.0	0.0

(END OF REPORT)