

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: P232006

Luminaire Tested: **FVS4WM-4-LD4-40-2LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-20)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-40-2LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

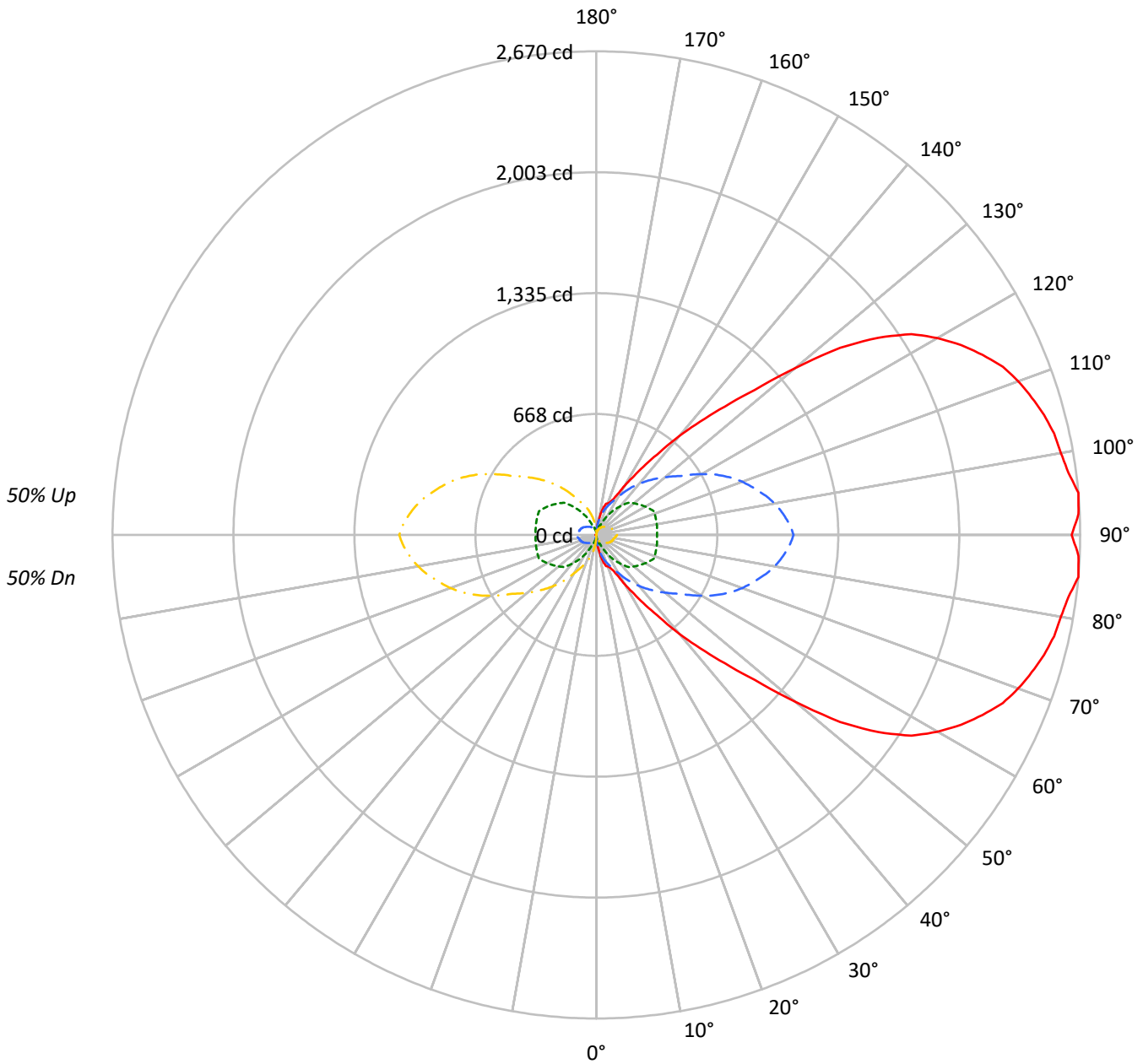
Lumens per Lamp: N/A
Luminaire Lumens: 6077.3 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 21.19 / 13.33 / 14.37
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 57.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	84	77	71	83	76	70	65	63	58	54	50	47	43	39	36	34	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	25	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	32	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°	33	33	33	33
5°	574	219	19	219
10°	1157	408	17	408
15°	1736	601	15	601
20°	1838	806	14	806
25°	2015	1273	13	1273
30°	2810	2036	12	2036
35°	4051	2880	12	2880
40°	5865	3840	12	3840
45°	8044	4955	18	4955
50°	11312	5812	17	5812
55°	14823	6884	17	6884
60°	16931	8267	17	8267
65°	18417	10123	23	10123
70°	19660	12341	23	12341
75°	20724	15220	23	15220
80°	21711	20107	0	20107
85°	23132	30118	0	30118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.0
10°-20°	20.1	0.3
20°-30°	53.1	0.9
30°-40°	122.3	2.0
40°-50°	240.9	4.0
50°-60°	427.3	7.0
60°-70°	616.6	10.1
70°-80°	745.6	12.3
80°-90°	809.9	13.3
90°-100°	809.9	13.3
100°-110°	745.6	12.3
110°-120°	616.6	10.1
120°-130°	427.3	7.0
130°-140°	240.9	4.0
140°-150°	122.3	2.0
150°-160°	53.1	0.9
160°-170°	20.1	0.3
170°-180°	2.9	0.0
0°-30°	76.0	1.3
0°-40°	198.3	3.3
0°-60°	866.5	14.3
0°-90°	3038.6	50.0
90°-120°	2172.1	35.7
90°-150°	2962.6	48.7
90°-180°	3039.0	50.0
0°-180°	6077.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	43	14	1	14	43	6
15°	160	39	1	39	160	45
25°	214	79	1	79	214	107
35°	475	165	1	165	475	311
45°	1002	250	2	250	1002	803
55°	1898	292	2	292	1898	1680
65°	2352	332	3	332	2352	2328
75°	2558	340	3	340	2558	2699
85°	2670	337	0	337	2670	2160
90°	2623	335	0	335	2623	1449
95°	2670	337	0	337	2670	2160
105°	2558	340	3	340	2558	2699
115°	2352	332	3	332	2352	2328
125°	1898	292	2	292	1898	1680
135°	1002	250	2	250	1002	803
145°	475	165	1	165	475	311
155°	214	79	1	79	214	107
165°	160	39	1	39	160	45
175°	43	14	1	14	43	6
180°	2	2	2	2	2	



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	20.9	21.2	21.4	21.7	21.9	22.2	22.4	21.8	21.8	21.7	21.6
5°	43.3	43.8	44.4	44.9	45.4	44.9	44.9	44.9	44.8	44.5	44.2
7.5°	73.6	74.2	74.9	75.5	74.8	74.6	74.3	73.9	73.3	72.5	71.6
10°	97.4	98.2	99.0	99.8	99.1	99.1	98.9	98.5	97.9	97.2	96.3
12.5°	132.1	132.7	133.3	132.4	131.9	131.1	130.1	128.7	127.1	125.3	123.3
15°	160.2	160.7	161.1	160.1	159.5	158.6	157.4	155.9	154.2	152.2	150.0
17.5°	181.2	181.9	182.7	182.1	181.7	181.1	180.1	178.8	177.1	175.1	172.8
20°	183.3	185.4	187.4	189.1	190.7	192.0	192.9	193.5	193.6	193.3	192.4
22.5°	195.6	199.0	202.4	204.5	206.7	208.5	209.7	210.4	210.4	209.8	208.5
25°	214.4	218.9	222.6	226.0	228.9	231.1	232.8	233.7	234.0	233.5	232.3
27.5°	251.2	256.0	259.2	262.0	263.9	265.0	265.3	264.9	263.6	261.6	259.8
30°	315.4	319.1	319.7	319.8	318.6	316.2	312.8	308.6	303.5	297.8	294.5
32.5°	383.3	386.2	385.4	383.8	380.7	376.1	370.1	362.9	354.6	346.0	338.0
35°	474.9	476.2	472.1	467.0	459.5	450.1	438.7	425.6	411.0	399.0	386.9
37.5°	575.2	575.0	568.2	560.2	549.3	535.9	520.0	502.0	482.5	463.9	444.2
40°	711.7	708.6	696.0	681.5	663.1	641.1	615.9	588.0	561.4	536.7	510.4
42.5°	848.8	843.9	828.3	810.4	787.8	760.8	729.7	694.8	659.3	622.3	583.6
45°	1001.8	998.0	980.7	959.8	931.9	897.0	855.2	812.8	765.5	719.6	672.9
47.5°	1185.1	1181.0	1159.5	1133.9	1099.9	1057.9	1008.1	953.4	894.7	829.5	773.8
50°	1434.1	1426.4	1393.6	1355.6	1306.7	1248.0	1180.1	1114.0	1044.8	968.6	895.8
52.5°	1696.1	1676.3	1629.5	1579.4	1521.0	1456.4	1387.7	1303.5	1207.4	1110.5	1024.2
55°	1898.2	1871.6	1821.3	1767.2	1704.5	1634.6	1557.3	1472.1	1377.7	1267.9	1153.6
57.5°	2062.8	2027.9	1972.4	1914.5	1850.3	1781.5	1702.3	1615.5	1527.9	1412.1	1292.7
60°	2173.2	2135.8	2081.9	2024.7	1960.5	1889.9	1813.9	1737.3	1648.1	1542.3	1422.3
62.5°	2269.9	2227.5	2176.8	2118.1	2051.5	1978.3	1905.7	1828.9	1743.2	1653.7	1536.4
65°	2351.5	2310.7	2261.5	2203.2	2135.8	2062.9	1986.7	1906.3	1819.3	1726.9	1629.9
67.5°	2427.3	2388.8	2341.1	2283.3	2215.3	2139.8	2058.7	1973.1	1884.5	1789.3	1691.5
70°	2477.8	2447.5	2407.9	2356.3	2288.0	2206.9	2122.0	2031.3	1937.6	1847.0	1754.4
72.5°	2519.7	2504.3	2476.1	2429.8	2348.0	2260.2	2172.3	2079.5	1988.4	1898.5	1809.1
75°	2557.9	2550.5	2533.0	2483.9	2397.6	2301.4	2207.5	2123.7	2035.6	1940.9	1848.8
77.5°	2586.8	2582.6	2571.4	2512.7	2428.8	2332.2	2245.5	2160.3	2070.9	1975.3	1877.2
80°	2602.7	2608.8	2592.8	2534.9	2451.7	2368.7	2278.9	2189.9	2096.7	1999.2	1898.4
82.5°	2627.2	2630.2	2606.3	2565.4	2487.3	2399.3	2302.7	2205.0	2112.9	2019.1	1922.0
85°	2669.8	2637.4	2596.2	2580.5	2512.9	2417.2	2321.0	2225.4	2130.0	2032.2	1936.4
87.5°	2663.3	2619.3	2624.6	2597.4	2521.7	2423.8	2327.7	2236.8	2138.4	2034.3	1941.2
90°	2622.9	2625.0	2637.3	2602.7	2505.2	2411.4	2316.9	2235.3	2135.7	2026.0	1936.5
92.5°	2663.3	2619.3	2624.6	2597.4	2521.7	2423.8	2327.7	2236.8	2138.4	2034.3	1941.2
95°	2669.8	2637.4	2596.2	2580.5	2512.9	2417.2	2321.0	2225.4	2130.0	2032.2	1936.4
97.5°	2627.2	2630.2	2606.3	2565.4	2487.3	2399.3	2302.7	2205.0	2112.9	2019.1	1922.0
100°	2602.7	2608.8	2592.8	2534.9	2451.7	2368.7	2278.9	2189.9	2096.7	1999.2	1898.4
102.5°	2586.8	2582.6	2571.4	2512.7	2428.8	2332.2	2245.5	2160.3	2070.9	1975.3	1877.2
105°	2557.9	2550.5	2533.0	2483.9	2397.6	2301.4	2207.5	2123.7	2035.6	1940.9	1848.8
107.5°	2519.7	2504.3	2476.1	2429.8	2348.0	2260.2	2172.3	2079.5	1988.4	1898.5	1809.1
110°	2477.8	2447.5	2407.9	2356.3	2288.0	2206.9	2122.0	2031.3	1937.6	1847.0	1754.4



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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°	2427.3	2388.8	2341.1	2283.3	2215.3	2139.8	2058.7	1973.2	1884.5	1789.3	1691.5
115°	2351.5	2310.7	2261.5	2203.2	2135.8	2062.9	1986.7	1906.3	1819.3	1726.9	1629.9
117.5°	2269.9	2227.5	2176.8	2118.1	2051.5	1978.3	1905.7	1828.9	1743.2	1653.7	1536.4
120°	2173.2	2135.8	2081.9	2024.7	1960.5	1889.9	1813.9	1737.3	1648.1	1542.3	1422.3
122.5°	2062.8	2027.9	1972.4	1914.5	1850.3	1781.5	1702.3	1615.5	1527.9	1412.1	1292.7
125°	1898.2	1871.6	1821.3	1767.2	1704.5	1634.6	1557.3	1472.1	1377.7	1267.9	1153.6
127.5°	1696.1	1676.3	1629.5	1579.4	1521.0	1456.4	1387.7	1303.5	1207.4	1110.5	1024.2
130°	1434.1	1426.4	1393.6	1355.6	1306.7	1248.0	1180.1	1114.0	1044.8	968.5	895.8
132.5°	1185.1	1181.0	1159.5	1133.9	1099.9	1057.9	1008.1	953.4	894.7	829.5	773.8
135°	1001.8	998.0	980.7	959.8	931.9	897.0	855.2	812.8	765.5	719.6	672.9
137.5°	848.8	843.9	828.3	810.4	787.8	760.8	729.7	694.8	659.3	622.3	583.6
140°	711.7	708.6	696.0	681.5	663.1	641.1	615.9	588.0	561.4	536.7	510.4
142.5°	575.2	575.0	568.2	560.2	549.3	535.9	520.0	502.0	482.5	463.9	444.2
145°	474.9	476.2	472.1	467.0	459.5	450.1	438.7	425.6	411.0	399.0	386.9
147.5°	383.3	386.2	385.4	383.8	380.7	376.1	370.1	362.9	354.6	346.0	338.0
150°	315.4	319.1	319.7	319.8	318.6	316.2	312.8	308.6	303.5	297.8	294.5
152.5°	251.2	256.0	259.2	262.0	263.9	265.0	265.3	264.9	263.6	261.6	259.8
155°	214.4	218.9	222.6	226.0	228.9	231.1	232.8	233.7	234.0	233.5	232.3
157.5°	195.6	199.0	202.4	204.5	206.7	208.5	209.7	210.4	210.4	209.8	208.5
160°	183.3	185.4	187.4	189.1	190.7	192.0	192.9	193.5	193.6	193.3	192.4
162.5°	181.2	181.9	182.7	182.1	181.7	181.1	180.1	178.8	177.1	175.1	172.8
165°	160.2	160.7	161.1	160.1	159.5	158.6	157.4	155.9	154.2	152.2	150.0
167.5°	132.1	132.7	133.3	132.4	131.9	131.1	130.1	128.7	127.1	125.3	123.3
170°	97.4	98.2	99.0	99.8	99.1	99.1	98.9	98.5	97.9	97.2	96.3
172.5°	73.6	74.2	74.9	75.5	74.8	74.6	74.3	73.9	73.3	72.5	71.6
175°	43.3	43.8	44.4	44.9	45.4	44.9	44.9	44.9	44.8	44.5	44.2
177.5°	20.9	21.2	21.4	21.7	21.9	22.2	22.4	21.8	21.8	21.7	21.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	21.5	21.3	21.1	20.9	20.6	20.3	20.0	19.6	19.2	18.8	18.3
5°	43.8	43.3	42.8	42.1	41.3	40.5	39.6	38.6	37.5	36.4	35.1
7.5°	70.6	69.4	68.1	66.6	65.0	63.3	61.5	59.5	57.5	55.6	53.8
10°	95.2	93.9	92.5	91.0	89.2	87.4	85.1	82.5	79.8	76.9	73.9
12.5°	121.0	118.5	115.8	113.0	110.2	107.8	105.3	102.6	99.7	96.6	93.4
15°	147.6	144.9	142.1	138.7	134.9	130.9	126.8	122.6	118.3	114.5	110.7
17.5°	170.1	167.1	163.7	160.1	156.2	152.2	148.1	143.5	138.4	133.3	128.1
20°	191.0	188.2	184.5	180.4	175.8	170.9	166.0	161.1	156.0	150.8	145.2
22.5°	206.9	205.4	203.0	199.8	195.8	190.6	184.6	178.3	171.7	165.8	159.9
25°	230.6	228.1	224.6	220.2	215.6	210.4	204.2	197.0	189.4	181.4	173.9
27.5°	258.0	255.2	251.5	246.8	241.1	234.2	227.5	218.3	209.0	198.9	189.5
30°	290.6	285.9	281.3	275.6	269.6	262.5	253.7	243.6	234.4	226.3	217.9
32.5°	329.6	321.0	314.0	307.2	299.7	291.8	284.1	275.9	266.6	256.9	247.8
35°	374.0	361.3	351.1	340.8	332.0	324.4	316.1	307.3	297.7	287.4	276.7
37.5°	423.5	406.9	391.0	378.9	367.8	357.3	347.7	338.1	327.8	316.8	305.4
40°	483.9	460.5	439.0	421.6	406.2	392.2	380.1	368.2	357.3	345.7	333.2
42.5°	551.2	522.9	495.1	470.9	448.5	429.9	413.2	399.5	385.9	373.8	360.8
45°	632.9	590.8	556.2	523.7	495.3	468.7	448.8	430.9	415.7	400.9	387.7
47.5°	723.5	672.9	625.4	580.1	545.0	512.8	484.8	463.5	445.3	428.7	413.3
50°	821.8	760.4	702.0	648.3	597.4	558.2	524.2	495.4	474.7	456.5	438.6
52.5°	938.7	857.6	782.9	719.3	659.8	604.8	564.3	530.6	503.1	483.3	475.7
55°	1052.9	960.1	873.1	791.6	723.7	660.6	603.8	566.6	544.9	531.7	528.4
57.5°	1170.0	1057.5	961.3	870.8	787.7	717.5	661.5	619.7	592.7	577.1	574.1
60°	1286.7	1157.8	1041.7	944.8	859.4	785.0	722.3	670.5	640.1	621.9	615.8
62.5°	1405.8	1253.7	1127.6	1023.0	931.7	847.3	779.9	724.5	684.3	661.9	654.2
65°	1505.3	1369.3	1224.8	1101.9	999.8	909.7	832.0	771.4	726.3	702.1	693.4
67.5°	1594.1	1465.8	1324.3	1186.7	1062.4	964.2	881.1	816.9	769.3	740.0	729.0
70°	1654.0	1539.4	1412.2	1264.7	1129.6	1018.0	928.0	857.2	806.4	774.3	761.2
72.5°	1708.9	1595.5	1466.5	1330.8	1195.1	1065.5	967.5	893.8	839.0	807.6	793.5
75°	1752.1	1641.1	1514.2	1380.3	1252.4	1110.4	1006.6	929.7	875.0	839.9	821.6
77.5°	1787.7	1679.1	1550.1	1419.7	1293.1	1159.2	1047.6	966.8	908.6	870.3	849.2
80°	1808.0	1709.7	1590.7	1457.0	1325.6	1196.7	1081.5	999.0	939.3	899.1	876.2
82.5°	1826.1	1731.9	1623.1	1486.6	1350.9	1223.6	1108.7	1026.7	967.3	926.3	902.8
85°	1838.0	1743.2	1646.8	1508.0	1368.7	1241.2	1130.1	1050.5	992.9	952.1	928.8
87.5°	1842.8	1748.2	1666.2	1525.4	1382.9	1253.5	1148.2	1072.1	1017.1	977.2	954.5
90°	1839.8	1739.4	1666.5	1525.1	1382.2	1253.7	1158.4	1088.4	1037.9	1000.4	979.4
92.5°	1842.8	1748.2	1666.2	1525.4	1382.9	1253.5	1148.2	1072.1	1017.1	977.2	954.5
95°	1838.0	1743.2	1646.8	1508.0	1368.7	1241.2	1130.1	1050.5	992.9	952.1	928.8
97.5°	1826.1	1731.9	1623.1	1486.6	1350.9	1223.6	1108.7	1026.7	967.3	926.3	902.8
100°	1808.0	1709.7	1590.7	1457.0	1325.6	1196.7	1081.5	999.0	939.3	899.1	876.2
102.5°	1787.7	1679.1	1550.1	1419.7	1293.1	1159.2	1047.6	966.8	908.6	870.3	849.2
105°	1752.1	1641.1	1514.2	1380.3	1252.4	1110.4	1006.6	929.7	875.0	839.9	821.6
107.5°	1708.9	1595.5	1466.5	1330.8	1195.1	1065.5	967.5	893.8	839.0	807.6	793.5
110°	1654.0	1539.4	1412.2	1264.7	1129.6	1018.0	928.0	857.2	806.4	774.3	761.2



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	1594.1	1465.8	1324.3	1186.7	1062.4	964.2	881.1	816.9	769.3	740.0	729.0
115°	1505.3	1369.3	1224.8	1101.9	999.8	909.7	832.0	771.4	726.3	702.1	693.4
117.5°	1405.8	1253.7	1127.6	1023.0	931.7	847.3	779.9	724.5	684.3	661.9	654.2
120°	1286.7	1157.8	1041.7	944.8	859.4	785.0	722.3	670.5	640.1	621.9	615.8
122.5°	1170.0	1057.5	961.3	870.8	787.7	717.5	661.5	619.7	592.7	577.1	574.1
125°	1052.9	960.1	873.1	791.6	723.7	660.6	603.8	566.6	544.9	531.7	528.4
127.5°	938.7	857.6	782.9	719.3	659.8	604.8	564.3	530.6	503.1	483.3	475.7
130°	821.8	760.4	702.0	648.3	597.4	558.2	524.2	495.4	474.7	456.5	438.6
132.5°	723.5	672.9	625.4	580.1	545.0	512.8	484.8	463.5	445.3	428.7	413.3
135°	632.9	590.8	556.2	523.7	495.3	468.7	448.8	430.9	415.7	400.9	387.7
137.5°	551.2	522.9	495.1	470.9	448.5	429.9	413.2	399.5	385.9	373.8	360.8
140°	483.9	460.5	439.0	421.6	406.2	392.2	380.1	368.2	357.3	345.7	333.2
142.5°	423.5	406.9	391.0	378.9	367.8	357.3	347.7	338.1	327.8	316.8	305.4
145°	374.0	361.3	351.1	340.8	332.0	324.4	316.1	307.3	297.7	287.4	276.7
147.5°	329.6	321.0	314.0	307.2	299.7	291.8	284.1	275.9	266.6	256.9	247.8
150°	290.6	285.9	281.3	275.6	269.6	262.5	253.7	243.6	234.4	226.3	217.9
152.5°	258.0	255.2	251.5	246.8	241.1	234.2	227.5	218.3	209.0	198.9	189.5
155°	230.6	228.1	224.6	220.2	215.6	210.4	204.2	197.0	189.4	181.4	173.9
157.5°	206.9	205.4	203.0	199.8	195.8	190.6	184.6	178.3	171.7	165.8	159.9
160°	191.0	188.2	184.5	180.4	175.8	170.9	166.0	161.1	156.0	150.8	145.2
162.5°	170.1	167.1	163.7	160.1	156.2	152.2	148.1	143.5	138.4	133.3	128.1
165°	147.6	144.9	142.1	138.7	134.9	130.9	126.8	122.6	118.3	114.5	110.7
167.5°	121.0	118.5	115.8	113.0	110.2	107.8	105.3	102.6	99.7	96.6	93.4
170°	95.2	93.9	92.5	91.0	89.2	87.4	85.1	82.5	79.8	76.9	73.9
172.5°	70.6	69.4	68.1	66.6	65.0	63.3	61.5	59.5	57.5	55.6	53.8
175°	43.8	43.3	42.8	42.1	41.3	40.5	39.6	38.6	37.5	36.4	35.1
177.5°	21.5	21.3	21.1	20.9	20.6	20.3	20.0	19.6	19.2	18.8	18.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	17.8	17.3	16.8	16.2	15.6	14.9	14.3	13.6	12.9	12.2	11.5
5°	33.8	32.5	31.0	29.9	28.7	27.5	26.2	24.8	23.5	22.1	20.6
7.5°	51.8	49.8	47.6	45.3	42.9	40.5	38.0	35.9	33.9	31.8	29.7
10°	70.8	67.6	64.5	61.3	58.1	54.8	51.4	47.9	44.2	41.4	38.6
12.5°	89.7	85.8	81.8	77.7	73.4	69.2	64.9	60.5	55.9	51.3	47.4
15°	106.7	102.5	98.7	93.4	88.5	83.6	78.5	73.2	67.7	62.0	56.2
17.5°	123.5	118.0	113.0	107.9	102.5	97.0	91.4	85.8	79.5	72.8	66.1
20°	139.3	133.4	127.6	121.7	115.7	109.5	103.5	97.4	91.2	83.7	75.9
22.5°	154.0	147.7	141.4	135.2	128.6	121.7	114.7	108.2	101.7	94.6	85.8
25°	166.8	160.3	153.8	147.2	143.4	138.8	133.7	128.4	123.2	117.6	109.7
27.5°	183.3	179.1	175.9	172.5	168.9	165.1	160.2	154.7	149.0	143.0	135.6
30°	211.3	205.0	200.2	196.8	193.3	189.7	185.7	180.4	175.1	168.2	161.5
32.5°	238.7	231.2	224.8	220.0	216.7	213.3	209.8	205.3	199.8	193.3	186.0
35°	266.7	257.0	249.4	243.0	239.0	235.9	232.8	229.8	224.2	218.2	210.5
37.5°	293.8	283.2	273.1	266.3	260.7	257.6	254.8	252.1	248.0	242.9	234.9
40°	320.7	308.3	297.8	288.2	282.4	278.4	276.1	274.0	271.1	266.5	259.2
42.5°	346.8	333.7	321.2	311.0	303.5	298.4	296.7	295.1	293.6	289.7	283.3
45°	373.2	358.0	344.7	333.2	323.4	318.9	316.5	315.5	314.9	312.3	307.3
47.5°	399.1	382.7	367.6	355.0	344.4	341.2	341.8	342.0	340.4	336.0	328.7
50°	423.3	409.7	406.5	404.2	399.7	392.9	385.4	378.7	370.9	361.7	350.2
52.5°	471.3	471.3	473.2	472.0	464.1	450.0	434.2	418.8	403.9	388.8	372.5
55°	525.2	527.8	534.1	541.2	531.6	511.8	487.3	462.0	439.1	417.5	395.8
57.5°	575.5	579.9	589.5	605.7	599.4	576.8	544.1	508.0	476.5	447.9	420.1
60°	621.4	628.7	642.2	663.2	668.2	644.8	604.4	557.0	516.6	479.7	445.3
62.5°	663.1	675.2	691.9	716.5	737.7	715.4	667.2	610.0	558.6	512.8	471.2
65°	700.9	718.4	738.6	766.3	807.4	784.3	731.5	665.1	602.2	547.0	497.8
67.5°	735.4	758.7	782.8	814.8	862.6	851.9	797.3	721.9	647.0	582.0	524.8
70°	768.0	796.3	826.3	860.3	902.3	894.6	833.6	750.1	666.0	594.6	532.8
72.5°	796.7	817.7	845.5	872.6	901.0	896.1	838.6	758.7	673.8	601.2	537.8
75°	819.6	834.5	861.7	887.8	904.8	897.8	841.5	765.6	680.6	607.2	542.4
77.5°	843.1	853.0	877.9	905.5	912.9	899.5	842.4	770.8	686.3	612.5	546.6
80°	867.3	872.8	894.3	925.2	924.4	900.8	841.5	774.5	691.1	617.2	550.5
82.5°	891.8	893.8	911.0	946.4	938.2	901.7	839.1	776.8	694.9	621.3	556.2
85°	916.6	915.8	928.4	968.5	953.4	904.3	837.1	779.9	699.5	625.9	557.9
87.5°	941.5	938.3	946.0	991.2	969.6	901.8	830.7	777.9	700.1	627.7	559.7
90°	966.4	961.4	965.7	1013.4	983.8	899.3	824.3	775.9	700.8	629.4	561.5
92.5°	941.5	938.3	946.0	991.2	969.6	901.8	830.7	777.9	700.1	627.7	559.7
95°	916.6	915.8	928.4	968.5	953.4	904.3	837.1	779.9	699.5	625.9	557.9
97.5°	891.8	893.8	911.0	946.4	938.2	901.7	839.1	776.8	694.9	621.3	556.2
100°	867.3	872.8	894.3	925.2	924.4	900.8	841.5	774.5	691.1	617.2	550.5
102.5°	843.1	853.0	877.9	905.5	912.9	899.5	842.4	770.8	686.3	612.5	546.6
105°	819.6	834.5	861.7	887.8	904.8	897.8	841.5	765.6	680.6	607.2	542.4
107.5°	796.7	817.7	845.5	872.6	901.0	896.1	838.6	758.7	673.8	601.2	537.8
110°	768.0	796.3	826.3	860.3	902.3	894.6	833.6	750.1	666.0	594.6	532.8



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	735.4	758.7	782.8	814.8	862.6	851.9	797.3	721.9	647.0	582.0	524.8
115°	700.9	718.4	738.6	766.3	807.4	784.3	731.5	665.1	602.2	547.0	497.8
117.5°	663.1	675.2	691.9	716.5	737.7	715.4	667.2	610.0	558.6	512.8	471.2
120°	621.4	628.7	642.2	663.2	668.2	644.8	604.4	557.0	516.6	479.7	445.3
122.5°	575.5	579.9	589.5	605.7	599.4	576.8	544.1	508.0	476.5	447.9	420.1
125°	525.2	527.8	534.1	541.2	531.6	511.8	487.3	462.0	439.1	417.5	395.8
127.5°	471.3	471.3	473.2	472.0	464.1	450.0	434.2	418.8	403.9	388.8	372.5
130°	423.3	409.7	406.5	404.2	399.7	392.9	385.4	378.7	370.9	361.7	350.2
132.5°	399.1	382.7	367.6	355.0	344.4	341.2	341.8	342.0	340.4	336.0	328.7
135°	373.2	358.0	344.7	333.2	323.4	318.9	316.5	315.5	314.9	312.3	307.3
137.5°	346.8	333.7	321.2	311.0	303.5	298.4	296.7	295.1	293.6	289.7	283.3
140°	320.7	308.3	297.8	288.2	282.4	278.4	276.1	274.0	271.1	266.5	259.2
142.5°	293.8	283.2	273.1	266.3	260.7	257.6	254.8	252.1	248.0	242.9	234.9
145°	266.7	257.0	249.4	243.0	239.0	235.9	232.8	229.8	224.2	218.2	210.5
147.5°	238.7	231.2	224.8	220.0	216.7	213.3	209.8	205.3	199.8	193.3	186.0
150°	211.3	205.0	200.2	196.8	193.3	189.7	185.7	180.4	175.1	168.2	161.5
152.5°	183.3	179.1	175.9	172.5	168.9	165.1	160.2	154.7	149.0	143.0	135.6
155°	166.8	160.3	153.8	147.2	143.4	138.8	133.7	128.4	123.2	117.6	109.7
157.5°	154.0	147.7	141.4	135.2	128.6	121.7	114.7	108.2	101.7	94.6	85.8
160°	139.3	133.4	127.6	121.7	115.7	109.5	103.5	97.4	91.2	83.7	75.9
162.5°	123.5	118.0	113.0	107.9	102.5	97.0	91.4	85.8	79.5	72.8	66.1
165°	106.7	102.5	98.7	93.4	88.5	83.6	78.5	73.2	67.7	62.0	56.2
167.5°	89.7	85.8	81.8	77.7	73.4	69.2	64.9	60.5	55.9	51.3	47.4
170°	70.8	67.6	64.5	61.3	58.1	54.8	51.4	47.9	44.2	41.4	38.6
172.5°	51.8	49.8	47.6	45.3	42.9	40.5	38.0	35.9	33.9	31.8	29.7
175°	33.8	32.5	31.0	29.9	28.7	27.5	26.2	24.8	23.5	22.1	20.6
177.5°	17.8	17.3	16.8	16.2	15.6	14.9	14.3	13.6	12.9	12.2	11.5
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	10.7	9.9	9.2	8.4	8.3	8.3	8.3	8.2	8.1	8.0	7.9
5°	19.1	17.6	16.1	14.5	14.4	14.3	14.2	14.0	13.8	13.6	13.4
7.5°	27.5	25.3	23.0	20.7	20.5	20.3	20.0	19.7	19.4	19.0	18.6
10°	35.7	32.8	29.9	26.9	26.5	26.1	25.7	25.2	24.7	24.2	23.8
12.5°	43.9	40.3	36.7	33.0	32.5	31.9	31.2	30.6	29.9	29.5	29.0
15°	51.9	47.8	43.5	39.2	38.4	37.6	36.7	35.8	35.4	34.8	34.2
17.5°	59.9	55.1	50.3	45.4	44.3	43.2	42.0	41.3	40.8	40.2	39.6
20°	67.9	62.4	57.0	51.5	50.2	48.8	47.4	46.8	46.2	45.6	45.0
22.5°	76.8	69.7	63.7	57.7	56.0	54.2	52.9	52.3	51.7	51.1	50.5
25°	100.8	92.7	86.1	79.1	76.3	73.3	70.8	68.5	66.3	64.2	62.0
27.5°	125.9	116.3	108.6	100.5	96.7	92.4	89.0	85.6	82.6	79.7	76.5
30°	150.9	140.1	131.3	122.0	116.8	111.4	106.8	102.1	98.3	94.4	90.1
32.5°	175.8	164.3	153.9	143.4	136.9	130.2	124.2	118.3	113.4	108.3	102.9
35°	200.6	188.4	176.7	164.8	156.8	148.7	141.0	134.1	128.0	121.6	114.9
37.5°	225.3	212.4	199.5	186.2	176.6	166.9	157.5	149.5	142.4	134.2	126.1
40°	249.8	236.3	222.3	207.7	196.3	184.9	173.5	164.5	155.5	146.2	136.4
42.5°	274.1	260.2	245.2	229.1	215.9	202.6	189.6	179.1	168.5	158.1	146.1
45°	297.8	284.0	268.1	250.5	235.4	220.0	205.1	193.3	181.1	168.4	155.1
47.5°	315.5	298.4	279.6	260.8	243.1	226.0	210.4	197.9	185.8	173.2	160.0
50°	333.3	312.7	290.9	271.0	250.5	231.2	214.3	200.4	187.5	174.6	161.2
52.5°	351.7	327.4	302.3	281.3	257.9	236.4	218.1	202.9	189.3	176.3	163.2
55°	370.8	342.4	313.7	291.5	265.1	241.5	221.7	205.4	191.3	178.4	166.0
57.5°	390.4	357.8	325.0	301.8	272.2	246.4	225.2	208.0	193.6	180.9	169.4
60°	410.5	373.3	336.3	312.0	279.2	251.3	228.6	210.6	196.1	184.0	174.0
62.5°	431.0	389.0	347.6	322.3	286.2	256.2	232.0	213.3	198.9	187.7	178.2
65°	451.8	404.9	358.8	332.5	293.1	261.1	235.3	216.0	202.0	191.8	183.5
67.5°	472.8	420.9	370.1	342.8	300.1	265.9	238.5	218.9	205.3	196.4	189.3
70°	477.6	424.3	373.6	341.9	298.1	263.8	236.3	216.9	203.9	196.2	190.4
72.5°	480.8	426.9	377.1	341.0	296.2	261.7	233.7	214.3	201.5	194.2	188.5
75°	483.7	429.1	382.0	340.2	294.4	259.7	231.3	211.8	199.2	192.2	186.7
77.5°	486.3	431.1	385.2	339.3	292.6	257.8	229.1	209.5	197.0	190.3	185.1
80°	488.6	434.2	388.4	338.4	290.9	256.1	227.0	207.3	194.9	188.4	183.5
82.5°	492.0	435.0	391.7	337.5	289.4	254.5	225.0	205.2	192.9	186.7	182.1
85°	492.8	435.8	394.9	336.7	287.8	253.0	223.2	203.3	191.1	185.0	180.8
87.5°	493.6	436.6	398.1	335.8	286.4	251.7	221.6	201.5	189.3	183.4	179.5
90°	494.4	437.4	401.3	334.9	285.1	250.5	220.1	199.9	187.7	181.9	178.3
92.5°	493.6	436.6	398.1	335.8	286.4	251.7	221.6	201.5	189.3	183.4	179.5
95°	492.8	435.8	394.9	336.7	287.8	253.0	223.2	203.3	191.1	185.0	180.8
97.5°	492.0	435.0	391.7	337.5	289.4	254.5	225.0	205.2	192.9	186.7	182.1
100°	488.6	434.2	388.4	338.4	290.9	256.1	227.0	207.3	194.9	188.4	183.5
102.5°	486.3	431.1	385.2	339.3	292.6	257.8	229.1	209.5	197.0	190.3	185.1
105°	483.7	429.1	382.0	340.2	294.4	259.7	231.3	211.8	199.2	192.2	186.7
107.5°	480.8	426.9	377.1	341.0	296.2	261.7	233.7	214.3	201.5	194.2	188.5
110°	477.6	424.3	373.6	341.9	298.1	263.8	236.3	216.9	203.9	196.2	190.4



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	472.8	420.9	370.1	342.8	300.1	265.9	238.5	218.9	205.3	196.4	189.3
115°	451.8	404.9	358.8	332.5	293.1	261.1	235.3	216.0	202.0	191.8	183.5
117.5°	431.0	389.0	347.6	322.3	286.2	256.2	232.0	213.3	198.9	187.7	178.2
120°	410.5	373.3	336.3	312.0	279.2	251.3	228.6	210.6	196.1	184.0	174.0
122.5°	390.4	357.8	325.0	301.8	272.2	246.4	225.2	208.0	193.6	180.9	169.4
125°	370.8	342.4	313.7	291.5	265.1	241.5	221.7	205.4	191.3	178.4	166.0
127.5°	351.7	327.4	302.3	281.3	257.9	236.4	218.1	202.9	189.3	176.3	163.2
130°	333.3	312.7	290.9	271.0	250.5	231.2	214.3	200.4	187.5	174.6	161.2
132.5°	315.5	298.4	279.6	260.8	243.1	226.0	210.4	197.9	185.8	173.2	160.0
135°	297.8	284.0	268.1	250.5	235.4	220.0	205.1	193.3	181.1	168.4	155.1
137.5°	274.1	260.2	245.2	229.1	215.9	202.6	189.6	179.1	168.5	158.1	146.1
140°	249.8	236.3	222.3	207.7	196.3	184.9	173.5	164.5	155.5	146.2	136.4
142.5°	225.3	212.4	199.5	186.2	176.6	166.9	157.5	149.5	142.4	134.2	126.1
145°	200.6	188.4	176.7	164.8	156.8	148.7	141.0	134.1	128.0	121.6	114.9
147.5°	175.8	164.3	153.9	143.4	136.9	130.2	124.2	118.3	113.4	108.3	102.9
150°	150.9	140.1	131.3	122.0	116.8	111.4	106.8	102.1	98.3	94.4	90.1
152.5°	125.9	116.3	108.6	100.5	96.7	92.4	89.0	85.6	82.6	79.7	76.5
155°	100.8	92.7	86.1	79.1	76.3	73.3	70.8	68.5	66.3	64.2	62.0
157.5°	76.8	69.7	63.7	57.7	56.0	54.2	52.9	52.3	51.7	51.1	50.5
160°	67.9	62.4	57.0	51.5	50.2	48.8	47.4	46.8	46.2	45.6	45.0
162.5°	59.9	55.1	50.3	45.4	44.3	43.2	42.0	41.3	40.8	40.2	39.6
165°	51.9	47.8	43.5	39.2	38.4	37.6	36.7	35.8	35.4	34.8	34.2
167.5°	43.9	40.3	36.7	33.0	32.5	31.9	31.2	30.6	29.9	29.5	29.0
170°	35.7	32.8	29.9	26.9	26.5	26.1	25.7	25.2	24.7	24.2	23.8
172.5°	27.5	25.3	23.0	20.7	20.5	20.3	20.0	19.7	19.4	19.0	18.6
175°	19.1	17.6	16.1	14.5	14.4	14.3	14.2	14.0	13.8	13.6	13.4
177.5°	10.7	9.9	9.2	8.4	8.3	8.3	8.3	8.2	8.1	8.0	7.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	7.8	7.7	7.6	7.5	7.3	7.2	7.0	6.9	6.7	6.5	6.3
5°	13.2	12.9	12.7	12.4	12.1	11.7	11.4	11.1	10.7	10.3	9.9
7.5°	18.2	17.9	17.5	17.1	16.6	16.1	15.7	15.1	14.6	14.0	13.5
10°	23.3	22.9	22.3	21.8	21.2	20.7	20.1	19.6	18.9	18.3	17.6
12.5°	28.5	27.9	27.3	26.8	26.2	25.5	24.9	24.1	23.3	22.5	21.6
15°	33.6	33.1	32.5	31.9	31.2	30.4	29.5	28.5	27.5	26.5	25.4
17.5°	39.0	38.4	37.8	36.9	36.0	35.0	34.0	32.9	31.7	30.5	29.3
20°	44.5	43.8	42.8	41.8	40.8	39.6	38.4	37.2	35.8	34.3	32.8
22.5°	49.9	48.9	47.9	46.7	45.5	44.2	42.8	41.2	39.6	37.9	36.4
25°	59.5	56.8	54.2	51.5	50.2	48.6	46.9	45.1	43.5	41.8	40.1
27.5°	73.0	69.6	66.0	62.5	58.8	55.3	52.0	49.3	47.6	45.5	43.4
30°	85.7	81.1	76.6	71.8	67.2	62.9	59.1	55.6	52.3	49.3	46.6
32.5°	97.3	91.6	85.7	79.7	74.1	69.0	64.4	60.3	56.6	53.3	50.2
35°	107.9	100.9	93.4	86.3	79.6	73.6	68.6	64.1	60.0	56.4	53.2
37.5°	117.6	108.8	100.0	91.5	83.7	77.6	72.0	67.1	62.8	59.3	56.0
40°	126.4	115.7	105.3	95.2	87.6	80.7	74.7	69.7	65.7	62.0	58.7
42.5°	134.0	121.6	109.4	98.9	90.6	83.4	77.0	72.5	68.4	64.8	61.3
45°	140.8	126.4	112.4	102.3	93.3	85.3	79.9	75.2	71.2	67.6	64.1
47.5°	145.4	130.1	116.0	104.9	95.5	88.1	82.5	78.2	74.2	70.6	66.6
50°	147.1	132.2	119.7	108.6	98.3	91.1	85.6	81.1	77.5	73.4	69.2
52.5°	149.6	135.6	123.9	113.3	104.3	97.2	91.4	86.2	80.6	76.1	72.2
55°	153.0	140.3	128.7	118.4	110.6	104.3	99.1	94.6	87.8	81.2	75.3
57.5°	157.3	145.3	134.3	124.6	117.0	111.9	107.8	102.2	94.5	86.8	79.8
60°	162.3	150.8	140.3	131.4	124.7	120.1	117.2	109.3	100.2	91.3	83.4
62.5°	168.1	156.6	146.6	138.4	132.7	129.5	125.3	116.0	104.8	95.1	86.3
65°	174.1	163.0	153.4	145.5	141.2	139.3	132.7	121.2	108.9	98.2	88.8
67.5°	180.5	169.9	160.8	153.3	149.9	149.7	139.9	125.9	112.6	101.2	91.0
70°	182.7	173.9	166.5	161.3	159.8	158.7	146.7	130.0	115.9	104.0	92.8
72.5°	180.9	173.2	166.2	161.6	161.2	159.2	148.3	133.3	119.2	106.5	94.2
75°	179.5	172.8	166.1	161.7	161.1	157.3	147.2	134.7	121.6	108.5	96.1
77.5°	178.4	172.7	166.0	161.7	160.7	155.9	147.6	137.2	124.2	110.7	98.3
80°	177.6	172.9	166.2	161.7	160.1	155.1	149.3	140.6	127.1	113.2	100.8
82.5°	177.0	173.3	166.5	161.6	159.3	154.7	152.0	144.7	130.4	116.3	103.6
85°	176.6	173.9	166.9	161.6	158.4	154.7	155.4	149.5	134.0	119.8	106.8
87.5°	176.3	174.6	167.5	161.6	157.5	154.9	159.2	154.7	138.2	123.9	110.5
90°	176.1	175.4	168.2	161.7	156.6	155.2	163.1	160.2	142.9	128.5	114.8
92.5°	176.3	174.6	167.5	161.6	157.5	154.9	159.2	154.7	138.2	123.9	110.5
95°	176.6	173.9	166.9	161.6	158.4	154.7	155.4	149.5	134.0	119.8	106.8
97.5°	177.0	173.3	166.5	161.6	159.3	154.7	152.0	144.7	130.4	116.3	103.6
100°	177.6	172.9	166.2	161.7	160.1	155.1	149.3	140.6	127.1	113.2	100.8
102.5°	178.4	172.7	166.0	161.7	160.7	155.9	147.6	137.2	124.2	110.7	98.3
105°	179.5	172.8	166.1	161.7	161.1	157.3	147.2	134.7	121.6	108.5	96.1
107.5°	180.9	173.2	166.2	161.6	161.2	159.2	148.3	133.3	119.2	106.5	94.2
110°	182.7	173.9	166.5	161.3	159.8	158.7	146.7	130.0	115.9	104.0	92.8



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	180.5	169.9	160.8	153.3	149.9	149.7	139.9	125.9	112.6	101.2	91.0
115°	174.1	163.0	153.4	145.5	141.2	139.3	132.7	121.2	108.9	98.2	88.8
117.5°	168.1	156.6	146.6	138.4	132.7	129.5	125.3	116.0	104.8	95.1	86.3
120°	162.3	150.8	140.3	131.4	124.7	120.1	117.2	109.3	100.2	91.3	83.4
122.5°	157.3	145.3	134.3	124.6	117.0	111.9	107.8	102.2	94.5	86.8	79.8
125°	153.0	140.3	128.7	118.4	110.6	104.3	99.1	94.6	87.8	81.2	75.3
127.5°	149.6	135.6	123.9	113.3	104.3	97.2	91.4	86.2	80.6	76.1	72.2
130°	147.1	132.2	119.7	108.6	98.3	91.1	85.6	81.1	77.5	73.4	69.2
132.5°	145.4	130.1	116.0	104.9	95.5	88.1	82.5	78.2	74.2	70.6	66.6
135°	140.8	126.4	112.4	102.3	93.3	85.3	79.9	75.2	71.2	67.6	64.1
137.5°	134.0	121.6	109.4	98.9	90.6	83.4	77.0	72.5	68.4	64.8	61.3
140°	126.4	115.7	105.3	95.2	87.6	80.7	74.7	69.7	65.7	62.0	58.7
142.5°	117.6	108.8	100.0	91.5	83.7	77.6	72.0	67.1	62.8	59.3	56.0
145°	107.9	100.9	93.4	86.3	79.6	73.6	68.6	64.1	60.0	56.4	53.2
147.5°	97.3	91.6	85.7	79.7	74.1	69.0	64.4	60.3	56.6	53.3	50.2
150°	85.7	81.1	76.6	71.8	67.2	62.9	59.1	55.6	52.3	49.3	46.6
152.5°	73.0	69.6	66.0	62.5	58.8	55.3	52.0	49.3	47.6	45.5	43.4
155°	59.5	56.8	54.2	51.5	50.2	48.6	46.9	45.1	43.5	41.8	40.1
157.5°	49.9	48.9	47.9	46.7	45.5	44.2	42.8	41.2	39.6	37.9	36.4
160°	44.5	43.8	42.8	41.8	40.8	39.6	38.4	37.2	35.8	34.3	32.8
162.5°	39.0	38.4	37.8	36.9	36.0	35.0	34.0	32.9	31.7	30.5	29.3
165°	33.6	33.1	32.5	31.9	31.2	30.4	29.5	28.5	27.5	26.5	25.4
167.5°	28.5	27.9	27.3	26.8	26.2	25.5	24.9	24.1	23.3	22.5	21.6
170°	23.3	22.9	22.3	21.8	21.2	20.7	20.1	19.6	18.9	18.3	17.6
172.5°	18.2	17.9	17.5	17.1	16.6	16.1	15.7	15.1	14.6	14.0	13.5
175°	13.2	12.9	12.7	12.4	12.1	11.7	11.4	11.1	10.7	10.3	9.9
177.5°	7.8	7.7	7.6	7.5	7.3	7.2	7.0	6.9	6.7	6.5	6.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.6	4.4	4.2	3.9
5°	9.5	9.1	8.7	8.2	7.8	7.3	6.9	6.4	5.9	5.4	4.9
7.5°	13.0	12.4	11.8	11.2	10.6	10.0	9.3	8.7	8.0	7.3	6.6
10°	16.9	16.1	15.3	14.5	13.7	12.8	11.9	11.0	10.1	9.2	8.2
12.5°	20.6	19.7	18.7	17.7	16.6	15.6	14.5	13.3	12.2	11.0	9.9
15°	24.3	23.2	22.0	20.8	19.5	18.2	16.9	15.5	14.2	12.8	11.4
17.5°	27.9	26.5	25.1	23.6	22.2	20.7	19.2	17.6	16.1	14.5	12.9
20°	31.3	29.7	28.2	26.6	25.0	23.3	21.6	19.8	18.0	16.2	14.4
22.5°	34.8	33.1	31.3	29.5	27.6	25.6	23.7	21.7	19.7	17.7	15.7
25°	38.2	36.2	34.1	32.1	30.0	27.9	25.7	23.6	21.4	19.2	17.0
27.5°	41.2	39.1	36.9	34.6	32.3	30.0	27.7	25.4	23.0	20.6	18.3
30°	44.3	41.9	39.5	37.1	34.6	32.1	29.6	27.1	24.6	22.0	19.4
32.5°	47.4	44.7	42.1	39.5	36.8	34.1	31.3	28.5	25.7	22.9	20.2
35°	50.2	47.4	44.6	41.7	38.6	35.6	32.6	29.7	26.7	23.9	21.1
37.5°	52.9	49.9	46.7	43.4	40.2	37.0	33.9	31.0	28.0	25.0	21.9
40°	55.4	52.1	48.7	45.2	41.9	38.6	35.5	32.1	28.6	25.3	22.1
42.5°	57.9	54.3	50.6	47.3	43.9	40.1	36.1	32.4	29.1	25.8	22.6
45°	60.2	56.5	53.0	49.3	45.1	41.0	37.1	33.3	29.7	26.3	23.0
47.5°	62.7	59.0	55.0	50.7	46.4	42.3	38.2	34.2	30.2	26.6	23.3
50°	65.4	61.2	56.8	52.2	47.8	43.6	39.3	34.9	30.8	27.2	23.9
52.5°	67.9	63.3	58.5	53.8	49.3	44.7	40.0	35.8	31.9	27.9	24.1
55°	70.3	65.2	60.2	55.6	50.5	45.5	41.0	36.7	32.5	28.3	24.5
57.5°	73.3	67.2	62.3	56.9	51.4	46.5	41.9	37.5	33.1	29.0	24.9
60°	76.1	69.7	63.8	57.9	52.6	47.6	42.9	38.2	33.5	28.9	24.8
62.5°	78.4	71.4	64.6	58.7	53.6	48.9	43.6	38.4	33.3	29.0	24.9
65°	80.2	72.4	65.3	59.1	53.9	48.9	43.9	38.2	33.4	28.6	23.9
67.5°	81.6	73.4	65.8	59.4	53.6	48.0	42.6	38.1	33.0	27.7	22.9
70°	82.8	74.1	66.3	59.4	53.0	46.8	41.2	36.3	31.6	26.7	21.7
72.5°	84.1	74.8	66.6	59.2	52.2	45.5	39.6	34.3	29.1	24.6	20.5
75°	85.4	75.6	66.8	58.9	51.4	44.2	38.1	32.1	26.5	22.0	18.7
77.5°	87.1	76.6	67.2	58.7	50.6	43.0	36.7	29.7	24.4	20.1	16.7
80°	88.9	77.8	67.6	58.2	49.3	41.5	34.7	28.0	22.6	18.2	14.4
82.5°	90.9	79.2	68.2	57.9	48.1	39.9	32.6	26.4	21.3	16.6	12.1
85°	93.3	80.9	69.0	57.8	47.1	38.4	31.2	25.2	20.6	16.3	11.9
87.5°	96.1	83.1	70.3	58.2	46.7	37.3	30.4	24.6	20.5	16.8	12.8
90°	99.6	85.9	72.2	59.2	46.9	36.8	30.3	24.5	20.9	18.0	14.4
92.5°	96.1	83.1	70.3	58.2	46.7	37.3	30.4	24.6	20.5	16.8	12.8
95°	93.3	80.9	69.0	57.8	47.1	38.4	31.2	25.2	20.6	16.3	11.9
97.5°	90.9	79.2	68.2	57.9	48.1	39.9	32.6	26.4	21.3	16.6	12.1
100°	88.9	77.8	67.6	58.2	49.3	41.5	34.7	28.0	22.6	18.2	14.4
102.5°	87.1	76.6	67.2	58.7	50.6	43.0	36.7	29.7	24.4	20.1	16.7
105°	85.4	75.6	66.8	58.9	51.4	44.2	38.1	32.1	26.5	22.0	18.7
107.5°	84.1	74.8	66.6	59.2	52.2	45.5	39.6	34.3	29.1	24.6	20.5
110°	82.8	74.1	66.3	59.4	53.0	46.8	41.2	36.3	31.6	26.7	21.7



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	81.6	73.4	65.8	59.4	53.6	48.0	42.6	38.1	33.0	27.7	22.9
115°	80.2	72.4	65.3	59.1	53.9	48.9	43.9	38.2	33.4	28.6	23.9
117.5°	78.4	71.4	64.6	58.7	53.6	48.9	43.6	38.4	33.3	29.0	24.9
120°	76.1	69.7	63.8	57.9	52.6	47.6	42.9	38.2	33.5	28.9	24.8
122.5°	73.3	67.2	62.3	56.9	51.4	46.5	41.9	37.5	33.1	29.0	24.9
125°	70.3	65.2	60.2	55.6	50.5	45.5	41.0	36.7	32.5	28.3	24.5
127.5°	67.9	63.3	58.5	53.8	49.3	44.7	40.0	35.8	31.9	27.9	24.1
130°	65.4	61.2	56.8	52.2	47.8	43.6	39.3	34.9	30.8	27.2	23.9
132.5°	62.7	59.0	55.0	50.7	46.4	42.3	38.2	34.2	30.2	26.6	23.3
135°	60.2	56.5	53.0	49.3	45.1	41.0	37.1	33.3	29.7	26.3	23.0
137.5°	57.9	54.3	50.6	47.3	43.9	40.1	36.1	32.4	29.1	25.8	22.6
140°	55.4	52.1	48.7	45.2	41.9	38.6	35.5	32.1	28.6	25.3	22.1
142.5°	52.9	49.9	46.7	43.4	40.2	37.0	33.9	31.0	28.0	25.0	21.9
145°	50.2	47.4	44.6	41.7	38.6	35.6	32.6	29.7	26.7	23.9	21.1
147.5°	47.4	44.7	42.1	39.5	36.8	34.1	31.3	28.5	25.7	22.9	20.2
150°	44.3	41.9	39.5	37.1	34.6	32.1	29.6	27.1	24.6	22.0	19.4
152.5°	41.2	39.1	36.9	34.6	32.3	30.0	27.7	25.4	23.0	20.6	18.3
155°	38.2	36.2	34.1	32.1	30.0	27.9	25.7	23.6	21.4	19.2	17.0
157.5°	34.8	33.1	31.3	29.5	27.6	25.6	23.7	21.7	19.7	17.7	15.7
160°	31.3	29.7	28.2	26.6	25.0	23.3	21.6	19.8	18.0	16.2	14.4
162.5°	27.9	26.5	25.1	23.6	22.2	20.7	19.2	17.6	16.1	14.5	12.9
165°	24.3	23.2	22.0	20.8	19.5	18.2	16.9	15.5	14.2	12.8	11.4
167.5°	20.6	19.7	18.7	17.7	16.6	15.6	14.5	13.3	12.2	11.0	9.9
170°	16.9	16.1	15.3	14.5	13.7	12.8	11.9	11.0	10.1	9.2	8.2
172.5°	13.0	12.4	11.8	11.2	10.6	10.0	9.3	8.7	8.0	7.3	6.6
175°	9.5	9.1	8.7	8.2	7.8	7.3	6.9	6.4	5.9	5.4	4.9
177.5°	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.6	4.4	4.2	3.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.7	3.4	3.2	2.9	2.7	2.4	2.2	2.4	2.7	2.9	3.2
5°	4.4	3.9	3.4	2.9	2.4	1.9	1.4	1.9	2.4	2.9	3.4
7.5°	5.8	5.1	4.4	3.6	2.9	2.2	1.4	2.2	2.9	3.6	4.4
10°	7.3	6.3	5.3	4.4	3.4	2.4	1.4	2.4	3.4	4.4	5.3
12.5°	8.7	7.5	6.3	5.1	3.9	2.6	1.4	2.6	3.9	5.1	6.3
15°	10.0	8.6	7.1	5.7	4.3	2.8	1.4	2.8	4.3	5.7	7.1
17.5°	11.3	9.7	8.1	6.4	4.7	3.1	1.4	3.1	4.7	6.4	8.1
20°	12.6	10.7	8.9	7.0	5.1	3.3	1.4	3.3	5.1	7.0	8.9
22.5°	13.7	11.7	9.6	7.6	5.5	3.5	1.4	3.5	5.5	7.6	9.6
25°	14.8	12.6	10.4	8.1	5.9	3.6	1.4	3.6	5.9	8.1	10.4
27.5°	15.9	13.5	11.1	8.7	6.2	3.8	1.4	3.8	6.2	8.7	11.1
30°	16.8	14.2	11.6	9.1	6.5	3.9	1.4	3.9	6.5	9.1	11.6
32.5°	17.5	14.8	12.1	9.4	6.7	4.1	1.4	4.1	6.7	9.4	12.1
35°	18.3	15.4	12.6	9.8	7.0	4.2	1.4	4.2	7.0	9.8	12.6
37.5°	18.8	15.8	12.9	10.0	7.1	4.2	1.4	4.2	7.1	10.0	12.9
40°	19.1	16.1	13.1	10.1	7.2	4.3	1.4	4.3	7.2	10.1	13.1
42.5°	19.5	16.3	13.3	10.3	7.3	4.3	1.4	4.3	7.3	10.3	13.3
45°	19.8	16.7	13.7	10.8	7.9	5.1	2.2	5.1	7.9	10.8	13.7
47.5°	20.2	17.2	14.1	11.1	8.1	5.2	2.2	5.2	8.1	11.1	14.1
50°	20.7	17.4	14.3	11.2	8.1	5.2	2.2	5.2	8.1	11.2	14.3
52.5°	20.7	17.5	14.4	11.3	8.3	5.2	2.2	5.2	8.3	11.3	14.4
55°	21.1	17.7	14.4	11.3	8.2	5.2	2.2	5.2	8.2	11.3	14.4
57.5°	21.0	17.6	14.4	11.3	8.3	5.2	2.2	5.2	8.3	11.3	14.4
60°	21.2	17.8	14.2	10.9	7.9	5.0	2.2	5.0	7.9	10.9	14.2
62.5°	20.6	16.6	13.4	10.3	7.5	4.8	2.2	4.8	7.5	10.3	13.4
65°	19.7	16.0	12.8	9.9	7.4	5.1	2.9	5.1	7.4	9.9	12.8
67.5°	18.7	15.1	12.0	9.2	6.7	4.4	2.2	4.4	6.7	9.2	12.0
70°	17.5	14.0	11.0	8.6	6.5	4.7	2.9	4.7	6.5	8.6	11.0
72.5°	16.6	13.4	10.6	7.8	5.8	4.2	2.9	4.2	5.8	7.8	10.6
75°	16.1	12.9	9.9	7.0	5.0	3.9	2.9	3.9	5.0	7.0	9.9
77.5°	14.3	12.9	9.2	5.4	1.9	0.4	0.0	0.4	1.9	5.4	9.2
80°	11.9	9.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
82.5°	8.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	7.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	7.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	8.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	11.9	9.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
102.5°	14.3	12.9	9.2	5.4	1.9	0.4	0.0	0.4	1.9	5.4	9.2
105°	16.1	12.9	9.9	7.0	5.0	3.9	2.9	3.9	5.0	7.0	9.9
107.5°	16.6	13.4	10.6	7.8	5.8	4.2	2.9	4.2	5.8	7.8	10.6
110°	17.5	14.0	11.0	8.6	6.5	4.7	2.9	4.7	6.5	8.6	11.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	18.7	15.1	12.0	9.2	6.7	4.4	2.2	4.4	6.7	9.2	12.0
115°	19.7	16.0	12.8	9.9	7.4	5.1	2.9	5.1	7.4	9.9	12.8
117.5°	20.6	16.6	13.4	10.3	7.5	4.8	2.2	4.8	7.5	10.3	13.4
120°	21.2	17.8	14.2	10.9	7.9	5.0	2.2	5.0	7.9	10.9	14.2
122.5°	21.0	17.6	14.4	11.3	8.3	5.2	2.2	5.2	8.3	11.3	14.4
125°	21.1	17.7	14.4	11.3	8.2	5.2	2.2	5.2	8.2	11.3	14.4
127.5°	20.7	17.5	14.4	11.3	8.3	5.2	2.2	5.2	8.3	11.3	14.4
130°	20.7	17.4	14.3	11.2	8.1	5.2	2.2	5.2	8.1	11.2	14.3
132.5°	20.2	17.2	14.1	11.1	8.1	5.2	2.2	5.2	8.1	11.1	14.1
135°	19.8	16.7	13.7	10.8	7.9	5.1	2.2	5.1	7.9	10.8	13.7
137.5°	19.5	16.3	13.3	10.3	7.3	4.3	1.4	4.3	7.3	10.3	13.3
140°	19.1	16.1	13.1	10.1	7.2	4.3	1.4	4.3	7.2	10.1	13.1
142.5°	18.8	15.8	12.9	10.0	7.1	4.2	1.4	4.2	7.1	10.0	12.9
145°	18.3	15.4	12.6	9.8	7.0	4.2	1.4	4.2	7.0	9.8	12.6
147.5°	17.5	14.8	12.1	9.4	6.7	4.1	1.4	4.1	6.7	9.4	12.1
150°	16.8	14.2	11.6	9.1	6.5	3.9	1.4	3.9	6.5	9.1	11.6
152.5°	15.9	13.5	11.1	8.7	6.2	3.8	1.4	3.8	6.2	8.7	11.1
155°	14.8	12.6	10.4	8.1	5.9	3.6	1.4	3.6	5.9	8.1	10.4
157.5°	13.7	11.7	9.6	7.6	5.5	3.5	1.4	3.5	5.5	7.6	9.6
160°	12.6	10.7	8.9	7.0	5.1	3.3	1.4	3.3	5.1	7.0	8.9
162.5°	11.3	9.7	8.1	6.4	4.7	3.1	1.4	3.1	4.7	6.4	8.1
165°	10.0	8.6	7.1	5.7	4.3	2.8	1.4	2.8	4.3	5.7	7.1
167.5°	8.7	7.5	6.3	5.1	3.9	2.6	1.4	2.6	3.9	5.1	6.3
170°	7.3	6.3	5.3	4.4	3.4	2.4	1.4	2.4	3.4	4.4	5.3
172.5°	5.8	5.1	4.4	3.6	2.9	2.2	1.4	2.2	2.9	3.6	4.4
175°	4.4	3.9	3.4	2.9	2.4	1.9	1.4	1.9	2.4	2.9	3.4
177.5°	3.7	3.4	3.2	2.9	2.7	2.4	2.2	2.4	2.7	2.9	3.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.4	3.7	3.9	4.2	4.4	4.6	4.9	5.1	5.3	5.5	5.7
5°	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.3	7.8	8.2	8.7
7.5°	5.1	5.8	6.6	7.3	8.0	8.7	9.3	10.0	10.6	11.2	11.8
10°	6.3	7.3	8.2	9.2	10.1	11.0	11.9	12.8	13.7	14.5	15.3
12.5°	7.5	8.7	9.9	11.0	12.2	13.3	14.5	15.6	16.6	17.7	18.7
15°	8.6	10.0	11.4	12.8	14.2	15.5	16.9	18.2	19.5	20.8	22.0
17.5°	9.7	11.3	12.9	14.5	16.1	17.6	19.2	20.7	22.2	23.6	25.1
20°	10.7	12.6	14.4	16.2	18.0	19.8	21.6	23.3	25.0	26.6	28.2
22.5°	11.7	13.7	15.7	17.7	19.7	21.7	23.7	25.6	27.6	29.5	31.3
25°	12.6	14.8	17.0	19.2	21.4	23.6	25.7	27.9	30.0	32.1	34.1
27.5°	13.5	15.9	18.3	20.6	23.0	25.4	27.7	30.0	32.3	34.6	36.9
30°	14.2	16.8	19.4	22.0	24.6	27.1	29.6	32.1	34.6	37.1	39.5
32.5°	14.8	17.5	20.2	22.9	25.7	28.5	31.3	34.1	36.8	39.5	42.1
35°	15.4	18.3	21.1	23.9	26.7	29.7	32.6	35.6	38.6	41.7	44.6
37.5°	15.8	18.8	21.9	25.0	28.0	31.0	33.9	37.0	40.2	43.4	46.7
40°	16.1	19.1	22.1	25.3	28.6	32.1	35.5	38.6	41.9	45.2	48.7
42.5°	16.3	19.5	22.6	25.8	29.1	32.4	36.1	40.1	43.9	47.3	50.6
45°	16.7	19.8	23.0	26.3	29.7	33.3	37.1	41.0	45.1	49.3	53.0
47.5°	17.2	20.2	23.3	26.6	30.2	34.2	38.2	42.3	46.4	50.7	55.0
50°	17.4	20.7	23.9	27.2	30.8	34.9	39.3	43.6	47.8	52.2	56.8
52.5°	17.5	20.7	24.1	27.9	31.9	35.8	40.0	44.7	49.3	53.8	58.5
55°	17.7	21.1	24.5	28.3	32.5	36.7	41.0	45.5	50.5	55.6	60.2
57.5°	17.6	21.0	24.9	29.0	33.1	37.5	41.9	46.5	51.4	56.9	62.3
60°	17.8	21.2	24.8	28.9	33.5	38.2	42.9	47.6	52.6	57.9	63.8
62.5°	16.6	20.6	24.9	29.0	33.3	38.4	43.6	48.9	53.6	58.7	64.6
65°	16.0	19.7	23.9	28.6	33.4	38.2	43.9	48.9	53.9	59.1	65.3
67.5°	15.1	18.7	22.9	27.7	33.0	38.1	42.6	48.0	53.6	59.4	65.8
70°	14.0	17.5	21.7	26.7	31.6	36.3	41.2	46.8	53.0	59.4	66.3
72.5°	13.4	16.6	20.5	24.6	29.1	34.3	39.6	45.5	52.2	59.2	66.6
75°	12.9	16.1	18.7	22.0	26.5	32.1	38.1	44.2	51.4	58.9	66.8
77.5°	12.9	14.3	16.7	20.1	24.4	29.7	36.7	43.0	50.6	58.7	67.2
80°	9.7	11.9	14.4	18.2	22.6	28.0	34.7	41.5	49.3	58.2	67.6
82.5°	5.6	8.8	12.1	16.6	21.3	26.4	32.6	39.9	48.1	57.9	68.2
85°	2.0	7.2	11.9	16.3	20.6	25.2	31.2	38.4	47.1	57.8	69.0
87.5°	0.7	7.6	12.8	16.8	20.5	24.6	30.4	37.3	46.7	58.2	70.3
90°	0.0	8.7	14.4	18.0	20.9	24.5	30.3	36.8	46.9	59.2	72.2
92.5°	0.7	7.6	12.8	16.8	20.5	24.6	30.4	37.3	46.7	58.2	70.3
95°	2.0	7.2	11.9	16.3	20.6	25.2	31.2	38.4	47.1	57.8	69.0
97.5°	5.6	8.8	12.1	16.6	21.3	26.4	32.6	39.9	48.1	57.9	68.2
100°	9.7	11.9	14.4	18.2	22.6	28.0	34.7	41.5	49.3	58.2	67.6
102.5°	12.9	14.3	16.7	20.1	24.4	29.7	36.7	43.0	50.6	58.7	67.2
105°	12.9	16.1	18.7	22.0	26.5	32.1	38.1	44.2	51.4	58.9	66.8
107.5°	13.4	16.6	20.5	24.6	29.1	34.3	39.6	45.5	52.2	59.2	66.6
110°	14.0	17.5	21.7	26.7	31.6	36.3	41.2	46.8	53.0	59.4	66.3



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	15.1	18.7	22.9	27.7	33.0	38.1	42.6	48.0	53.6	59.4	65.8
115°	16.0	19.7	23.9	28.6	33.4	38.2	43.9	48.9	53.9	59.1	65.3
117.5°	16.6	20.6	24.9	29.0	33.3	38.4	43.6	48.9	53.6	58.7	64.6
120°	17.8	21.2	24.8	28.9	33.5	38.2	42.9	47.6	52.6	57.9	63.8
122.5°	17.6	21.0	24.9	29.0	33.1	37.5	41.9	46.5	51.4	56.9	62.3
125°	17.7	21.1	24.5	28.3	32.5	36.7	41.0	45.5	50.5	55.6	60.2
127.5°	17.5	20.7	24.1	27.9	31.9	35.8	40.0	44.7	49.3	53.8	58.5
130°	17.4	20.7	23.9	27.2	30.8	34.9	39.3	43.6	47.8	52.2	56.8
132.5°	17.2	20.2	23.3	26.6	30.2	34.2	38.2	42.3	46.4	50.7	55.0
135°	16.7	19.8	23.0	26.3	29.7	33.3	37.1	41.0	45.1	49.3	53.0
137.5°	16.3	19.5	22.6	25.8	29.1	32.4	36.1	40.1	43.9	47.3	50.6
140°	16.1	19.1	22.1	25.3	28.6	32.1	35.5	38.6	41.9	45.2	48.7
142.5°	15.8	18.8	21.9	25.0	28.0	31.0	33.9	37.0	40.2	43.4	46.7
145°	15.4	18.3	21.1	23.9	26.7	29.7	32.6	35.6	38.6	41.7	44.6
147.5°	14.8	17.5	20.2	22.9	25.7	28.5	31.3	34.1	36.8	39.5	42.1
150°	14.2	16.8	19.4	22.0	24.6	27.1	29.6	32.1	34.6	37.1	39.5
152.5°	13.5	15.9	18.3	20.6	23.0	25.4	27.7	30.0	32.3	34.6	36.9
155°	12.6	14.8	17.0	19.2	21.4	23.6	25.7	27.9	30.0	32.1	34.1
157.5°	11.7	13.7	15.7	17.7	19.7	21.7	23.7	25.6	27.6	29.5	31.3
160°	10.7	12.6	14.4	16.2	18.0	19.8	21.6	23.3	25.0	26.6	28.2
162.5°	9.7	11.3	12.9	14.5	16.1	17.7	19.2	20.7	22.2	23.6	25.1
165°	8.6	10.0	11.4	12.8	14.2	15.5	16.9	18.2	19.5	20.8	22.0
167.5°	7.5	8.7	9.9	11.0	12.2	13.3	14.5	15.6	16.6	17.7	18.7
170°	6.3	7.3	8.2	9.2	10.1	11.0	11.9	12.8	13.7	14.5	15.3
172.5°	5.1	5.8	6.6	7.3	8.0	8.7	9.3	10.0	10.6	11.2	11.8
175°	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.3	7.8	8.2	8.7
177.5°	3.4	3.7	3.9	4.2	4.4	4.6	4.9	5.1	5.3	5.5	5.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	5.9	6.1	6.3	6.5	6.7	6.9	7.0	7.2	7.3	7.5	7.6
5°	9.1	9.5	9.9	10.3	10.7	11.1	11.4	11.7	12.1	12.4	12.7
7.5°	12.4	13.0	13.5	14.0	14.6	15.1	15.7	16.1	16.6	17.1	17.5
10°	16.1	16.9	17.6	18.3	18.9	19.6	20.1	20.7	21.2	21.8	22.3
12.5°	19.7	20.6	21.6	22.5	23.3	24.1	24.9	25.5	26.2	26.8	27.3
15°	23.2	24.3	25.4	26.5	27.5	28.5	29.5	30.4	31.2	31.9	32.5
17.5°	26.5	27.9	29.3	30.5	31.7	32.9	34.0	35.0	36.0	36.9	37.8
20°	29.7	31.3	32.8	34.3	35.8	37.2	38.4	39.6	40.8	41.8	42.8
22.5°	33.1	34.8	36.4	37.9	39.6	41.2	42.8	44.2	45.5	46.7	47.9
25°	36.2	38.2	40.1	41.8	43.5	45.1	46.9	48.6	50.2	51.5	54.2
27.5°	39.1	41.2	43.4	45.5	47.6	49.3	52.0	55.3	58.8	62.5	66.0
30°	41.9	44.3	46.6	49.3	52.3	55.6	59.1	62.9	67.2	71.8	76.6
32.5°	44.7	47.4	50.2	53.3	56.6	60.3	64.4	69.0	74.1	79.7	85.7
35°	47.4	50.2	53.2	56.4	60.0	64.1	68.6	73.6	79.6	86.3	93.4
37.5°	49.9	52.9	56.0	59.3	62.8	67.1	72.0	77.6	83.7	91.5	100.0
40°	52.1	55.4	58.7	62.0	65.7	69.7	74.7	80.7	87.6	95.2	105.3
42.5°	54.3	57.9	61.3	64.8	68.4	72.5	77.0	83.4	90.6	98.9	109.4
45°	56.5	60.2	64.1	67.6	71.2	75.2	79.9	85.3	93.3	102.3	112.4
47.5°	59.0	62.7	66.6	70.6	74.2	78.2	82.5	88.1	95.5	104.9	116.0
50°	61.2	65.4	69.2	73.4	77.5	81.1	85.6	91.1	98.3	108.6	119.7
52.5°	63.3	67.9	72.2	76.1	80.6	86.2	91.4	97.2	104.3	113.3	123.9
55°	65.2	70.3	75.3	81.2	87.8	94.6	99.1	104.3	110.6	118.4	128.7
57.5°	67.2	73.3	79.8	86.8	94.5	102.2	107.8	111.9	117.0	124.6	134.3
60°	69.7	76.1	83.4	91.3	100.2	109.3	117.2	120.1	124.7	131.4	140.3
62.5°	71.4	78.4	86.3	95.1	104.8	116.0	125.3	129.5	132.7	138.4	146.6
65°	72.4	80.2	88.8	98.2	108.9	121.2	132.7	139.3	141.2	145.5	153.4
67.5°	73.4	81.6	91.0	101.2	112.6	125.9	139.9	149.7	149.9	153.3	160.8
70°	74.1	82.8	92.8	104.0	115.9	130.0	146.7	158.7	159.8	161.3	166.5
72.5°	74.8	84.1	94.2	106.5	119.2	133.3	148.3	159.2	161.2	161.6	166.2
75°	75.6	85.4	96.1	108.5	121.6	134.7	147.2	157.3	161.1	161.7	166.1
77.5°	76.6	87.1	98.3	110.7	124.2	137.2	147.6	155.9	160.7	161.7	166.0
80°	77.8	88.9	100.8	113.2	127.1	140.6	149.3	155.1	160.1	161.7	166.2
82.5°	79.2	90.9	103.6	116.3	130.4	144.7	152.0	154.7	159.3	161.6	166.5
85°	80.9	93.3	106.8	119.8	134.0	149.5	155.4	154.7	158.4	161.6	166.9
87.5°	83.1	96.1	110.5	123.9	138.2	154.7	159.2	154.9	157.5	161.6	167.5
90°	85.9	99.6	114.8	128.5	142.9	160.2	163.1	155.2	156.6	161.7	168.2
92.5°	83.1	96.1	110.5	123.9	138.2	154.7	159.2	154.9	157.5	161.6	167.5
95°	80.9	93.3	106.8	119.8	134.0	149.5	155.4	154.7	158.4	161.6	166.9
97.5°	79.2	90.9	103.6	116.3	130.4	144.7	152.0	154.7	159.3	161.6	166.5
100°	77.8	88.9	100.8	113.2	127.1	140.6	149.3	155.1	160.1	161.7	166.2
102.5°	76.6	87.1	98.3	110.7	124.2	137.2	147.6	155.9	160.7	161.7	166.0
105°	75.6	85.4	96.1	108.5	121.6	134.7	147.2	157.3	161.1	161.7	166.1
107.5°	74.8	84.1	94.2	106.5	119.2	133.3	148.3	159.2	161.2	161.6	166.2
110°	74.1	82.8	92.8	104.0	115.9	130.0	146.7	158.7	159.8	161.3	166.5



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	73.4	81.6	91.0	101.2	112.6	125.9	139.9	149.7	149.9	153.3	160.8
115°	72.4	80.2	88.8	98.2	108.9	121.2	132.7	139.3	141.2	145.5	153.4
117.5°	71.4	78.4	86.3	95.1	104.8	116.0	125.3	129.5	132.7	138.4	146.6
120°	69.7	76.1	83.4	91.3	100.2	109.3	117.2	120.1	124.7	131.4	140.3
122.5°	67.2	73.3	79.8	86.8	94.5	102.2	107.8	111.9	117.0	124.6	134.3
125°	65.2	70.3	75.3	81.2	87.8	94.6	99.1	104.3	110.6	118.4	128.7
127.5°	63.3	67.9	72.2	76.1	80.6	86.2	91.4	97.2	104.3	113.3	123.9
130°	61.2	65.4	69.2	73.4	77.5	81.1	85.6	91.1	98.3	108.6	119.7
132.5°	59.0	62.7	66.6	70.6	74.2	78.2	82.5	88.1	95.5	104.9	116.0
135°	56.5	60.2	64.1	67.6	71.2	75.2	79.9	85.3	93.3	102.3	112.4
137.5°	54.3	57.9	61.3	64.8	68.4	72.5	77.0	83.4	90.6	98.9	109.4
140°	52.1	55.4	58.7	62.0	65.7	69.7	74.7	80.7	87.6	95.2	105.3
142.5°	49.9	52.9	56.0	59.3	62.8	67.1	72.0	77.6	83.7	91.5	100.0
145°	47.4	50.2	53.2	56.4	60.0	64.1	68.6	73.6	79.6	86.3	93.4
147.5°	44.7	47.4	50.2	53.3	56.6	60.3	64.4	69.0	74.1	79.7	85.7
150°	41.9	44.3	46.6	49.3	52.3	55.6	59.1	62.9	67.2	71.8	76.6
152.5°	39.1	41.2	43.4	45.5	47.6	49.3	52.0	55.3	58.8	62.5	66.0
155°	36.2	38.2	40.1	41.8	43.5	45.1	46.9	48.6	50.2	51.5	54.2
157.5°	33.1	34.8	36.4	37.9	39.6	41.2	42.8	44.2	45.5	46.7	47.9
160°	29.7	31.3	32.8	34.3	35.8	37.2	38.4	39.6	40.8	41.8	42.8
162.5°	26.5	27.9	29.3	30.5	31.7	32.9	34.0	35.0	36.0	36.9	37.8
165°	23.2	24.3	25.4	26.5	27.5	28.5	29.5	30.4	31.2	31.9	32.5
167.5°	19.7	20.6	21.6	22.5	23.3	24.1	24.9	25.5	26.2	26.8	27.3
170°	16.1	16.9	17.6	18.3	18.9	19.6	20.1	20.7	21.2	21.8	22.3
172.5°	12.4	13.0	13.5	14.0	14.6	15.1	15.7	16.1	16.6	17.1	17.5
175°	9.1	9.5	9.9	10.3	10.7	11.1	11.4	11.7	12.1	12.4	12.7
177.5°	5.9	6.1	6.3	6.5	6.7	6.9	7.0	7.2	7.3	7.5	7.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.3	8.3	8.4	9.2
5°	12.9	13.2	13.4	13.6	13.8	14.0	14.2	14.3	14.4	14.5	16.1
7.5°	17.9	18.2	18.6	19.0	19.4	19.7	20.0	20.3	20.5	20.7	23.0
10°	22.9	23.3	23.8	24.2	24.7	25.2	25.7	26.1	26.5	26.9	29.9
12.5°	27.9	28.5	29.0	29.5	29.9	30.6	31.2	31.9	32.5	33.0	36.7
15°	33.1	33.6	34.2	34.8	35.4	35.8	36.7	37.6	38.4	39.2	43.5
17.5°	38.4	39.0	39.6	40.2	40.8	41.3	42.0	43.2	44.3	45.4	50.3
20°	43.8	44.5	45.0	45.6	46.2	46.8	47.4	48.8	50.2	51.5	57.0
22.5°	48.9	49.9	50.5	51.1	51.7	52.3	52.9	54.2	56.0	57.7	63.7
25°	56.8	59.5	62.0	64.2	66.3	68.5	70.8	73.3	76.3	79.1	86.1
27.5°	69.6	73.0	76.5	79.7	82.6	85.6	89.0	92.4	96.7	100.5	108.6
30°	81.1	85.7	90.1	94.4	98.3	102.1	106.8	111.4	116.8	122.0	131.3
32.5°	91.6	97.3	102.9	108.3	113.4	118.3	124.2	130.2	136.9	143.4	153.9
35°	100.9	107.9	114.9	121.6	128.0	134.1	141.0	148.7	156.8	164.8	176.7
37.5°	108.8	117.6	126.1	134.2	142.4	149.5	157.5	166.9	176.6	186.2	199.5
40°	115.7	126.4	136.4	146.2	155.5	164.5	173.5	184.9	196.3	207.7	222.3
42.5°	121.6	134.0	146.1	158.1	168.5	179.1	189.6	202.6	215.9	229.1	245.2
45°	126.4	140.8	155.1	168.4	181.1	193.3	205.1	220.0	235.4	250.5	268.1
47.5°	130.1	145.4	160.0	173.2	185.8	197.9	210.4	226.0	243.1	260.8	279.6
50°	132.2	147.1	161.2	174.6	187.5	200.4	214.3	231.2	250.5	271.0	290.9
52.5°	135.6	149.6	163.2	176.3	189.3	202.9	218.1	236.4	257.9	281.3	302.3
55°	140.3	153.0	166.0	178.4	191.3	205.4	221.7	241.5	265.1	291.5	313.7
57.5°	145.3	157.3	169.4	180.9	193.6	208.0	225.2	246.4	272.2	301.8	325.0
60°	150.8	162.3	174.0	184.0	196.1	210.6	228.6	251.3	279.2	312.0	336.3
62.5°	156.6	168.1	178.2	187.7	198.9	213.3	232.0	256.2	286.2	322.3	347.6
65°	163.0	174.1	183.5	191.8	202.0	216.0	235.3	261.1	293.1	332.5	358.8
67.5°	169.9	180.5	189.3	196.4	205.3	218.9	238.5	265.9	300.1	342.8	370.1
70°	173.9	182.7	190.4	196.2	203.9	216.9	236.3	263.8	298.1	341.9	373.6
72.5°	173.2	180.9	188.5	194.2	201.5	214.3	233.7	261.7	296.2	341.0	377.1
75°	172.8	179.5	186.7	192.2	199.2	211.8	231.3	259.7	294.4	340.2	382.0
77.5°	172.7	178.4	185.1	190.3	197.0	209.5	229.1	257.8	292.6	339.3	385.2
80°	172.9	177.6	183.5	188.4	194.9	207.3	227.0	256.1	290.9	338.4	388.4
82.5°	173.3	177.0	182.1	186.7	192.9	205.2	225.0	254.5	289.4	337.5	391.7
85°	173.9	176.6	180.8	185.0	191.1	203.3	223.2	253.0	287.8	336.7	394.9
87.5°	174.6	176.3	179.5	183.4	189.3	201.5	221.6	251.7	286.4	335.8	398.1
90°	175.4	176.1	178.3	181.9	187.7	199.9	220.1	250.5	285.1	334.9	401.3
92.5°	174.6	176.3	179.5	183.4	189.3	201.5	221.6	251.7	286.4	335.8	398.1
95°	173.9	176.6	180.8	185.0	191.1	203.3	223.2	253.0	287.8	336.7	394.9
97.5°	173.3	177.0	182.1	186.7	192.9	205.2	225.0	254.5	289.4	337.5	391.7
100°	172.9	177.6	183.5	188.4	194.9	207.3	227.0	256.1	290.9	338.4	388.4
102.5°	172.7	178.4	185.1	190.3	197.0	209.5	229.1	257.8	292.6	339.3	385.2
105°	172.8	179.5	186.7	192.2	199.2	211.8	231.3	259.7	294.4	340.2	382.0
107.5°	173.2	180.9	188.5	194.2	201.5	214.3	233.7	261.7	296.2	341.0	377.1
110°	173.9	182.7	190.4	196.2	203.9	216.9	236.3	263.8	298.1	341.9	373.6



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	169.9	180.5	189.3	196.4	205.3	218.9	238.5	265.9	300.1	342.8	370.1
115°	163.0	174.1	183.5	191.8	202.0	216.0	235.3	261.1	293.1	332.5	358.8
117.5°	156.6	168.1	178.2	187.7	198.9	213.3	232.0	256.2	286.2	322.3	347.6
120°	150.8	162.3	174.0	184.0	196.1	210.6	228.6	251.3	279.2	312.0	336.3
122.5°	145.3	157.3	169.4	180.9	193.6	208.0	225.2	246.4	272.2	301.8	325.0
125°	140.3	153.0	166.0	178.4	191.3	205.4	221.7	241.5	265.1	291.5	313.7
127.5°	135.6	149.6	163.2	176.3	189.3	202.9	218.1	236.4	257.9	281.3	302.3
130°	132.2	147.1	161.2	174.6	187.5	200.4	214.3	231.2	250.5	271.0	290.9
132.5°	130.1	145.4	160.0	173.2	185.8	197.9	210.4	226.0	243.1	260.8	279.6
135°	126.4	140.8	155.1	168.4	181.1	193.3	205.1	220.0	235.4	250.5	268.1
137.5°	121.6	134.0	146.1	158.1	168.5	179.1	189.6	202.6	215.9	229.1	245.2
140°	115.7	126.4	136.4	146.2	155.5	164.5	173.5	184.9	196.3	207.7	222.3
142.5°	108.8	117.6	126.1	134.2	142.4	149.5	157.5	166.9	176.6	186.2	199.5
145°	100.9	107.9	114.9	121.6	128.0	134.1	141.0	148.7	156.8	164.8	176.7
147.5°	91.6	97.3	102.9	108.3	113.4	118.3	124.2	130.2	136.9	143.4	153.9
150°	81.1	85.7	90.1	94.4	98.3	102.1	106.8	111.4	116.8	122.0	131.3
152.5°	69.6	73.0	76.5	79.7	82.6	85.6	89.0	92.4	96.7	100.5	108.6
155°	56.8	59.5	62.0	64.2	66.3	68.5	70.8	73.3	76.3	79.1	86.1
157.5°	48.9	49.9	50.5	51.1	51.7	52.3	52.9	54.2	56.0	57.7	63.7
160°	43.8	44.5	45.0	45.6	46.2	46.8	47.4	48.8	50.2	51.5	57.0
162.5°	38.4	39.0	39.6	40.2	40.8	41.3	42.0	43.2	44.3	45.4	50.3
165°	33.1	33.6	34.2	34.8	35.4	35.8	36.7	37.6	38.4	39.2	43.5
167.5°	27.9	28.5	29.0	29.5	29.9	30.6	31.2	31.9	32.5	33.0	36.7
170°	22.9	23.3	23.8	24.2	24.7	25.2	25.7	26.1	26.5	26.9	29.9
172.5°	17.9	18.2	18.6	19.0	19.4	19.7	20.0	20.3	20.5	20.7	23.0
175°	12.9	13.2	13.4	13.6	13.8	14.0	14.2	14.3	14.4	14.5	16.1
177.5°	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.3	8.3	8.4	9.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	9.9	10.7	11.5	12.2	12.9	13.6	14.3	14.9	15.6	16.2	16.8
5°	17.6	19.1	20.6	22.1	23.5	24.8	26.2	27.5	28.7	29.9	31.0
7.5°	25.3	27.5	29.7	31.8	33.9	35.9	38.0	40.5	42.9	45.3	47.6
10°	32.8	35.7	38.6	41.4	44.2	47.9	51.4	54.8	58.1	61.3	64.5
12.5°	40.3	43.9	47.4	51.3	55.9	60.5	64.9	69.2	73.4	77.7	81.8
15°	47.8	51.9	56.2	62.0	67.7	73.2	78.5	83.6	88.5	93.4	98.7
17.5°	55.1	59.9	66.1	72.8	79.5	85.8	91.4	97.0	102.5	107.9	113.0
20°	62.4	67.9	75.9	83.7	91.2	97.4	103.5	109.5	115.7	121.7	127.6
22.5°	69.7	76.8	85.8	94.6	101.7	108.2	114.7	121.7	128.6	135.2	141.4
25°	92.7	100.8	109.7	117.6	123.2	128.4	133.7	138.8	143.4	147.2	153.8
27.5°	116.3	125.9	135.6	143.0	149.0	154.7	160.2	165.1	168.9	172.5	175.9
30°	140.1	150.9	161.5	168.2	175.1	180.4	185.7	189.7	193.3	196.8	200.2
32.5°	164.3	175.8	186.0	193.3	199.8	205.3	209.8	213.3	216.7	220.0	224.8
35°	188.4	200.6	210.5	218.2	224.2	229.8	232.8	235.9	239.0	243.0	249.4
37.5°	212.4	225.3	234.9	242.9	248.0	252.1	254.8	257.6	260.7	266.3	273.1
40°	236.3	249.8	259.2	266.5	271.1	274.0	276.1	278.4	282.4	288.2	297.8
42.5°	260.2	274.1	283.3	289.7	293.6	295.1	296.7	298.4	303.5	311.0	321.2
45°	284.0	297.8	307.3	312.3	314.9	315.5	316.5	318.9	323.4	333.2	344.7
47.5°	298.4	315.5	328.7	336.0	340.4	342.0	341.8	341.2	344.4	355.0	367.6
50°	312.7	333.3	350.2	361.7	370.9	378.7	385.4	392.9	399.7	404.2	406.5
52.5°	327.4	351.7	372.5	388.8	403.9	418.8	434.2	450.0	464.1	472.0	473.2
55°	342.4	370.8	395.8	417.5	439.1	462.0	487.3	511.8	531.6	541.2	534.1
57.5°	357.8	390.4	420.1	447.9	476.5	508.0	544.1	576.8	599.4	605.7	589.5
60°	373.3	410.5	445.3	479.7	516.6	557.0	604.4	644.8	668.2	663.2	642.2
62.5°	389.0	431.0	471.2	512.8	558.6	610.0	667.2	715.4	737.7	716.5	691.9
65°	404.9	451.8	497.8	547.0	602.2	665.1	731.5	784.3	807.4	766.3	738.6
67.5°	420.9	472.8	524.8	582.0	647.0	721.9	797.3	851.9	862.6	814.8	782.8
70°	424.3	477.6	532.8	594.6	666.0	750.1	833.6	894.6	902.3	860.3	826.3
72.5°	426.9	480.8	537.8	601.2	673.8	758.7	838.6	896.1	901.0	872.6	845.5
75°	429.1	483.7	542.4	607.2	680.6	765.6	841.5	897.8	904.8	887.8	861.7
77.5°	431.1	486.3	546.6	612.5	686.3	770.8	842.4	899.5	912.9	905.5	877.9
80°	434.2	488.6	550.5	617.2	691.1	774.5	841.5	900.8	924.4	925.2	894.3
82.5°	435.0	492.0	556.2	621.3	694.9	776.8	839.1	901.7	938.2	946.4	911.0
85°	435.8	492.8	557.9	625.9	699.5	779.9	837.1	904.3	953.4	968.5	928.4
87.5°	436.6	493.6	559.7	627.7	700.1	777.9	830.7	901.8	969.6	991.2	946.0
90°	437.4	494.4	561.5	629.4	700.8	775.9	824.3	899.3	983.8	1013.4	965.7
92.5°	436.6	493.6	559.7	627.7	700.1	777.9	830.7	901.8	969.6	991.2	946.0
95°	435.8	492.8	557.9	625.9	699.5	779.9	837.1	904.3	953.4	968.5	928.4
97.5°	435.0	492.0	556.2	621.3	694.9	776.8	839.1	901.7	938.2	946.4	911.0
100°	434.2	488.6	550.5	617.2	691.1	774.5	841.5	900.8	924.4	925.2	894.3
102.5°	431.1	486.3	546.6	612.5	686.3	770.8	842.4	899.5	912.9	905.5	877.9
105°	429.1	483.7	542.4	607.2	680.6	765.6	841.5	897.8	904.8	887.8	861.7
107.5°	426.9	480.8	537.8	601.2	673.8	758.7	838.6	896.1	901.0	872.6	845.5
110°	424.3	477.6	532.8	594.6	666.0	750.1	833.6	894.6	902.3	860.3	826.3



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	420.9	472.8	524.8	582.0	647.0	721.9	797.3	851.9	862.6	814.8	782.8
115°	404.9	451.8	497.8	547.0	602.2	665.1	731.5	784.3	807.4	766.3	738.6
117.5°	389.0	431.0	471.2	512.8	558.6	610.0	667.2	715.4	737.7	716.5	691.9
120°	373.3	410.5	445.3	479.7	516.6	557.0	604.4	644.8	668.2	663.2	642.2
122.5°	357.8	390.4	420.1	447.9	476.5	508.0	544.1	576.8	599.4	605.7	589.5
125°	342.4	370.8	395.8	417.5	439.1	462.0	487.3	511.8	531.6	541.2	534.1
127.5°	327.4	351.7	372.5	388.8	403.9	418.8	434.2	450.0	464.1	472.0	473.2
130°	312.7	333.3	350.2	361.7	370.9	378.7	385.4	392.9	399.7	404.2	406.5
132.5°	298.4	315.5	328.7	336.0	340.4	342.0	341.8	341.2	344.4	355.0	367.6
135°	284.0	297.8	307.3	312.3	314.9	315.5	316.5	318.9	323.4	333.2	344.7
137.5°	260.2	274.1	283.3	289.7	293.6	295.1	296.7	298.4	303.5	311.0	321.2
140°	236.3	249.8	259.2	266.5	271.1	274.0	276.1	278.4	282.4	288.2	297.8
142.5°	212.4	225.3	234.9	242.9	248.0	252.1	254.8	257.6	260.7	266.3	273.1
145°	188.4	200.6	210.5	218.2	224.2	229.8	232.8	235.9	239.0	243.0	249.4
147.5°	164.3	175.8	186.0	193.3	199.8	205.3	209.8	213.3	216.7	220.0	224.8
150°	140.1	150.9	161.5	168.2	175.1	180.4	185.7	189.7	193.3	196.8	200.2
152.5°	116.3	125.9	135.6	143.0	149.0	154.7	160.2	165.1	168.9	172.5	175.9
155°	92.7	100.8	109.7	117.6	123.2	128.4	133.7	138.8	143.4	147.2	153.8
157.5°	69.7	76.8	85.8	94.6	101.7	108.2	114.7	121.7	128.6	135.2	141.4
160°	62.4	67.9	75.9	83.7	91.2	97.4	103.5	109.5	115.7	121.7	127.6
162.5°	55.1	59.9	66.1	72.8	79.5	85.8	91.4	97.0	102.5	107.9	113.0
165°	47.8	51.9	56.2	62.0	67.7	73.2	78.5	83.6	88.5	93.4	98.7
167.5°	40.3	43.9	47.4	51.3	55.9	60.5	64.9	69.2	73.4	77.7	81.8
170°	32.8	35.7	38.6	41.4	44.2	47.9	51.4	54.8	58.1	61.3	64.5
172.5°	25.3	27.5	29.7	31.8	33.9	35.9	38.0	40.5	42.9	45.3	47.6
175°	17.6	19.1	20.6	22.1	23.5	24.8	26.2	27.5	28.7	29.9	31.0
177.5°	9.9	10.7	11.5	12.2	12.9	13.6	14.3	14.9	15.6	16.2	16.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	17.3	17.8	18.3	18.8	19.2	19.6	20.0	20.3	20.6	20.9	21.1
5°	32.5	33.8	35.1	36.4	37.5	38.6	39.6	40.5	41.3	42.1	42.8
7.5°	49.8	51.8	53.8	55.6	57.5	59.5	61.5	63.3	65.0	66.6	68.1
10°	67.6	70.8	73.9	76.9	79.8	82.5	85.1	87.4	89.2	91.0	92.5
12.5°	85.8	89.7	93.4	96.6	99.7	102.6	105.3	107.8	110.2	113.0	115.8
15°	102.5	106.7	110.7	114.5	118.3	122.6	126.8	130.9	134.9	138.7	142.1
17.5°	118.0	123.5	128.1	133.3	138.4	143.5	148.1	152.2	156.2	160.1	163.7
20°	133.4	139.3	145.2	150.8	156.0	161.1	166.0	170.9	175.8	180.4	184.5
22.5°	147.7	154.0	159.9	165.8	171.7	178.3	184.6	190.6	195.8	199.8	203.0
25°	160.3	166.8	173.9	181.4	189.4	197.0	204.2	210.4	215.6	220.2	224.6
27.5°	179.1	183.3	189.5	198.9	209.0	218.3	227.5	234.2	241.1	246.8	251.5
30°	205.0	211.3	217.9	226.3	234.4	243.6	253.7	262.5	269.6	275.6	281.3
32.5°	231.2	238.7	247.8	256.9	266.6	275.9	284.1	291.8	299.7	307.2	314.0
35°	257.0	266.7	276.7	287.4	297.7	307.3	316.1	324.4	332.0	340.8	351.1
37.5°	283.2	293.8	305.4	316.8	327.8	338.1	347.7	357.3	367.8	378.9	391.0
40°	308.3	320.7	333.2	345.7	357.3	368.2	380.1	392.2	406.2	421.6	439.0
42.5°	333.7	346.8	360.8	373.8	385.9	399.5	413.2	429.9	448.5	470.9	495.1
45°	358.0	373.2	387.7	400.9	415.7	430.9	448.8	468.7	495.3	523.7	556.2
47.5°	382.7	399.1	413.3	428.7	445.3	463.5	484.8	512.8	545.0	580.1	625.4
50°	409.7	423.3	438.6	456.5	474.7	495.4	524.2	558.2	597.4	648.3	702.0
52.5°	471.3	471.3	475.7	483.3	503.1	530.6	564.3	604.8	659.8	719.3	782.9
55°	527.8	525.2	528.4	531.7	544.9	566.6	603.8	660.6	723.7	791.6	873.1
57.5°	579.9	575.5	574.1	577.1	592.7	619.7	661.5	717.5	787.7	870.8	961.3
60°	628.7	621.4	615.8	621.9	640.1	670.5	722.3	785.0	859.4	944.8	1041.7
62.5°	675.2	663.1	654.2	661.9	684.3	724.5	779.9	847.3	931.7	1023.0	1127.6
65°	718.4	700.9	693.4	702.1	726.3	771.4	832.0	909.7	999.8	1101.9	1224.8
67.5°	758.7	735.4	729.0	740.0	769.3	816.9	881.1	964.2	1062.4	1186.7	1324.3
70°	796.3	768.0	761.2	774.3	806.4	857.2	928.0	1018.0	1129.6	1264.7	1412.2
72.5°	817.7	796.7	793.5	807.6	839.0	893.8	967.5	1065.5	1195.1	1330.8	1466.5
75°	834.5	819.6	821.6	839.9	875.0	929.7	1006.6	1110.3	1252.4	1380.3	1514.2
77.5°	853.0	843.1	849.2	870.3	908.6	966.8	1047.6	1159.2	1293.1	1419.7	1550.1
80°	872.8	867.3	876.2	899.1	939.3	999.0	1081.5	1196.7	1325.6	1457.0	1590.7
82.5°	893.8	891.8	902.8	926.3	967.3	1026.7	1108.7	1223.6	1350.9	1486.6	1623.1
85°	915.8	916.6	928.8	952.1	992.9	1050.5	1130.1	1241.2	1368.7	1508.0	1646.8
87.5°	938.3	941.5	954.6	977.2	1017.1	1072.1	1148.2	1253.5	1382.9	1525.4	1666.2
90°	961.4	966.4	979.4	1000.4	1037.9	1088.4	1158.4	1253.7	1382.2	1525.1	1666.5
92.5°	938.3	941.5	954.5	977.2	1017.1	1072.1	1148.2	1253.5	1382.9	1525.4	1666.2
95°	915.8	916.6	928.8	952.1	992.9	1050.5	1130.1	1241.2	1368.7	1508.0	1646.8
97.5°	893.8	891.8	902.8	926.3	967.3	1026.7	1108.7	1223.6	1350.9	1486.6	1623.1
100°	872.8	867.3	876.2	899.1	939.3	999.0	1081.5	1196.7	1325.6	1457.0	1590.7
102.5°	853.0	843.1	849.2	870.3	908.6	966.8	1047.6	1159.2	1293.1	1419.7	1550.1
105°	834.5	819.6	821.6	839.9	875.0	929.7	1006.6	1110.3	1252.4	1380.3	1514.2
107.5°	817.7	796.7	793.5	807.6	839.0	893.8	967.5	1065.5	1195.1	1330.8	1466.5
110°	796.3	768.0	761.2	774.3	806.4	857.2	928.0	1018.0	1129.6	1264.7	1412.2



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	758.7	735.4	729.0	740.0	769.3	816.9	881.1	964.2	1062.4	1186.7	1324.3
115°	718.4	700.9	693.4	702.1	726.3	771.4	832.0	909.7	999.8	1101.9	1224.8
117.5°	675.2	663.1	654.2	661.9	684.3	724.5	779.9	847.3	931.7	1023.0	1127.6
120°	628.7	621.4	615.8	621.9	640.1	670.5	722.3	784.9	859.4	944.8	1041.7
122.5°	579.9	575.5	574.1	577.1	592.7	619.7	661.5	717.5	787.7	870.8	961.3
125°	527.8	525.2	528.4	531.7	544.9	566.6	603.8	660.6	723.7	791.6	873.1
127.5°	471.3	471.3	475.7	483.3	503.1	530.6	564.3	604.8	659.8	719.3	782.9
130°	409.7	423.3	438.6	456.5	474.7	495.4	524.2	558.2	597.4	648.3	702.0
132.5°	382.7	399.1	413.3	428.7	445.3	463.5	484.8	512.8	545.0	580.1	625.4
135°	358.0	373.2	387.7	400.9	415.7	430.9	448.8	468.7	495.3	523.7	556.2
137.5°	333.7	346.8	360.8	373.8	385.9	399.5	413.2	429.9	448.5	470.9	495.1
140°	308.3	320.7	333.2	345.7	357.3	368.2	380.1	392.2	406.2	421.6	439.0
142.5°	283.2	293.8	305.4	316.8	327.8	338.1	347.7	357.3	367.8	378.9	391.0
145°	257.0	266.7	276.7	287.4	297.7	307.3	316.1	324.4	332.0	340.8	351.1
147.5°	231.2	238.7	247.8	256.9	266.6	275.9	284.1	291.8	299.7	307.2	314.0
150°	205.0	211.3	217.9	226.3	234.4	243.6	253.7	262.5	269.6	275.6	281.3
152.5°	179.1	183.3	189.5	198.9	209.0	218.3	227.5	234.2	241.1	246.8	251.5
155°	160.3	166.8	173.9	181.4	189.4	197.0	204.2	210.4	215.6	220.2	224.6
157.5°	147.7	154.0	159.9	165.8	171.7	178.3	184.6	190.6	195.8	199.8	203.0
160°	133.4	139.3	145.2	150.8	156.0	161.1	166.0	170.9	175.8	180.4	184.5
162.5°	118.0	123.5	128.1	133.3	138.4	143.5	148.1	152.2	156.2	160.1	163.7
165°	102.5	106.7	110.7	114.5	118.3	122.6	126.8	130.9	134.9	138.7	142.1
167.5°	85.8	89.7	93.4	96.6	99.7	102.6	105.3	107.8	110.2	113.0	115.8
170°	67.6	70.8	73.9	76.9	79.8	82.5	85.1	87.4	89.2	91.0	92.5
172.5°	49.8	51.8	53.8	55.6	57.5	59.5	61.5	63.3	65.0	66.6	68.1
175°	32.5	33.8	35.1	36.4	37.5	38.6	39.6	40.5	41.3	42.1	42.8
177.5°	17.3	17.8	18.3	18.8	19.2	19.6	20.0	20.3	20.6	20.9	21.1
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	21.3	21.5	21.6	21.7	21.8	21.8	22.4	22.2	21.9	21.7	21.4
5°	43.3	43.8	44.2	44.5	44.8	44.9	44.9	44.9	45.4	44.9	44.4
7.5°	69.4	70.6	71.6	72.5	73.3	73.9	74.3	74.6	74.8	75.5	74.9
10°	93.9	95.2	96.3	97.2	97.9	98.5	98.9	99.1	99.1	99.8	99.0
12.5°	118.5	121.0	123.3	125.3	127.1	128.7	130.1	131.1	131.9	132.4	133.3
15°	144.9	147.6	150.0	152.2	154.2	155.9	157.4	158.6	159.5	160.1	161.1
17.5°	167.1	170.1	172.8	175.1	177.1	178.8	180.1	181.1	181.7	182.1	182.7
20°	188.2	191.0	192.4	193.3	193.6	193.5	192.9	192.0	190.7	189.1	187.4
22.5°	205.4	206.9	208.5	209.8	210.4	210.4	209.7	208.5	206.7	204.5	202.4
25°	228.1	230.6	232.3	233.5	234.0	233.7	232.8	231.1	228.9	226.0	222.6
27.5°	255.2	258.0	259.8	261.6	263.6	264.9	265.3	265.0	263.9	262.0	259.2
30°	285.9	290.6	294.5	297.8	303.5	308.6	312.8	316.2	318.6	319.8	319.7
32.5°	321.0	329.6	338.0	346.0	354.6	362.9	370.1	376.1	380.7	383.8	385.4
35°	361.3	374.0	386.9	399.0	411.0	425.6	438.7	450.1	459.5	467.0	472.1
37.5°	406.9	423.5	444.2	463.9	482.5	502.0	520.0	535.9	549.3	560.2	568.2
40°	460.5	483.9	510.4	536.7	561.4	588.0	615.9	641.1	663.1	681.5	696.0
42.5°	522.9	551.2	583.6	622.3	659.3	694.8	729.7	760.8	787.8	810.4	828.3
45°	590.8	632.9	672.9	719.6	765.5	812.8	855.2	897.0	931.9	959.8	980.7
47.5°	672.9	723.5	773.8	829.5	894.7	953.4	1008.1	1057.9	1099.9	1133.9	1159.5
50°	760.4	821.8	895.8	968.6	1044.8	1114.0	1180.1	1248.0	1306.7	1355.6	1393.6
52.5°	857.6	938.7	1024.1	1110.5	1207.4	1303.5	1387.7	1456.4	1521.0	1579.4	1629.5
55°	960.1	1052.9	1153.6	1267.9	1377.7	1472.1	1557.3	1634.6	1704.5	1767.2	1821.3
57.5°	1057.5	1170.0	1292.7	1412.1	1527.9	1615.5	1702.3	1781.5	1850.3	1914.5	1972.4
60°	1157.8	1286.7	1422.3	1542.3	1648.1	1737.3	1813.9	1889.9	1960.5	2024.7	2081.9
62.5°	1253.7	1405.8	1536.4	1653.7	1743.2	1828.9	1905.7	1978.3	2051.5	2118.1	2176.8
65°	1369.3	1505.3	1629.9	1726.9	1819.3	1906.3	1986.7	2062.9	2135.8	2203.2	2261.5
67.5°	1465.8	1594.1	1691.5	1789.3	1884.5	1973.1	2058.7	2139.8	2215.3	2283.3	2341.1
70°	1539.4	1654.0	1754.4	1847.0	1937.6	2031.3	2122.0	2206.9	2288.0	2356.3	2407.9
72.5°	1595.5	1708.9	1809.1	1898.5	1988.4	2079.5	2172.3	2260.2	2348.0	2429.8	2476.1
75°	1641.1	1752.1	1848.8	1940.9	2035.6	2123.7	2207.5	2301.4	2397.6	2483.9	2533.0
77.5°	1679.1	1787.7	1877.2	1975.3	2070.9	2160.3	2245.5	2332.2	2428.8	2512.7	2571.4
80°	1709.7	1808.0	1898.4	1999.2	2096.7	2189.9	2278.9	2368.7	2451.7	2534.9	2592.8
82.5°	1731.9	1826.1	1922.0	2019.1	2112.9	2205.0	2302.7	2399.3	2487.3	2565.4	2606.3
85°	1743.2	1838.0	1936.4	2032.2	2130.0	2225.4	2321.0	2417.2	2512.9	2580.5	2596.2
87.5°	1748.2	1842.8	1941.2	2034.3	2138.4	2236.8	2327.7	2423.8	2521.7	2597.4	2624.6
90°	1739.4	1839.8	1936.5	2026.0	2135.7	2235.3	2316.9	2411.4	2505.2	2602.7	2637.3
92.5°	1748.2	1842.8	1941.2	2034.3	2138.4	2236.8	2327.7	2423.8	2521.7	2597.4	2624.6
95°	1743.2	1838.0	1936.4	2032.2	2130.0	2225.4	2321.0	2417.2	2512.9	2580.5	2596.2
97.5°	1731.9	1826.1	1922.0	2019.1	2112.9	2205.0	2302.7	2399.3	2487.3	2565.4	2606.3
100°	1709.7	1808.0	1898.4	1999.2	2096.7	2189.9	2278.9	2368.7	2451.7	2534.9	2592.8
102.5°	1679.1	1787.7	1877.2	1975.3	2070.9	2160.3	2245.5	2332.2	2428.8	2512.7	2571.4
105°	1641.1	1752.1	1848.8	1940.9	2035.6	2123.7	2207.5	2301.4	2397.6	2483.9	2533.0
107.5°	1595.5	1708.9	1809.1	1898.5	1988.4	2079.5	2172.3	2260.2	2348.0	2429.8	2476.1
110°	1539.4	1654.0	1754.4	1847.0	1937.6	2031.3	2122.0	2206.9	2288.0	2356.3	2407.9



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-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°
112.5°	1465.8	1594.1	1691.5	1789.3	1884.5	1973.1	2058.7	2139.8	2215.3	2283.3	2341.1
115°	1369.3	1505.3	1629.9	1726.9	1819.3	1906.3	1986.7	2062.9	2135.8	2203.2	2261.5
117.5°	1253.7	1405.8	1536.4	1653.7	1743.2	1828.9	1905.7	1978.3	2051.5	2118.1	2176.8
120°	1157.8	1286.7	1422.3	1542.3	1648.1	1737.3	1813.9	1889.9	1960.5	2024.7	2081.9
122.5°	1057.5	1170.0	1292.7	1412.1	1527.9	1615.5	1702.3	1781.5	1850.3	1914.5	1972.4
125°	960.1	1052.9	1153.6	1267.9	1377.7	1472.1	1557.3	1634.6	1704.5	1767.2	1821.3
127.5°	857.6	938.7	1024.1	1110.5	1207.4	1303.5	1387.7	1456.4	1521.0	1579.4	1629.5
130°	760.4	821.8	895.8	968.6	1044.8	1114.0	1180.1	1248.0	1306.7	1355.6	1393.6
132.5°	672.9	723.5	773.8	829.5	894.7	953.4	1008.1	1057.9	1099.9	1133.9	1159.5
135°	590.8	632.9	672.9	719.6	765.5	812.8	855.2	897.0	931.9	959.8	980.7
137.5°	522.9	551.2	583.6	622.3	659.3	694.8	729.7	760.8	787.8	810.4	828.3
140°	460.5	483.9	510.4	536.7	561.4	588.0	615.9	641.1	663.1	681.5	696.0
142.5°	406.9	423.5	444.2	463.9	482.5	502.0	520.0	535.9	549.3	560.2	568.2
145°	361.3	374.0	386.9	399.0	411.0	425.6	438.7	450.1	459.5	467.0	472.1
147.5°	321.0	329.6	338.0	346.0	354.6	362.9	370.1	376.1	380.7	383.8	385.4
150°	285.9	290.6	294.5	297.8	303.5	308.6	312.8	316.2	318.6	319.8	319.7
152.5°	255.2	258.0	259.8	261.6	263.6	264.9	265.3	265.0	263.9	262.0	259.2
155°	228.1	230.6	232.3	233.5	234.0	233.7	232.8	231.1	228.9	226.0	222.6
157.5°	205.4	206.9	208.5	209.8	210.4	210.4	209.7	208.5	206.7	204.5	202.4
160°	188.2	191.0	192.4	193.3	193.6	193.5	192.9	192.0	190.7	189.1	187.4
162.5°	167.1	170.1	172.8	175.1	177.1	178.8	180.1	181.1	181.7	182.1	182.7
165°	144.9	147.6	150.0	152.2	154.2	155.9	157.4	158.6	159.5	160.1	161.1
167.5°	118.5	121.0	123.3	125.3	127.1	128.7	130.1	131.1	131.9	132.4	133.3
170°	93.9	95.2	96.3	97.2	97.9	98.5	98.9	99.1	99.1	99.8	99.0
172.5°	69.4	70.6	71.6	72.5	73.3	73.9	74.3	74.6	74.8	75.5	74.9
175°	43.3	43.8	44.2	44.5	44.8	44.9	44.9	44.9	45.4	44.9	44.4
177.5°	21.3	21.5	21.6	21.7	21.8	21.8	22.4	22.2	21.9	21.7	21.4
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2.2	2.2
2.5°	21.2	20.9
5°	43.8	43.3
7.5°	74.2	73.6
10°	98.2	97.4
12.5°	132.7	132.1
15°	160.7	160.2
17.5°	181.9	181.2
20°	185.4	183.3
22.5°	199.0	195.6
25°	218.9	214.4
27.5°	256.0	251.2
30°	319.1	315.4
32.5°	386.2	383.3
35°	476.2	474.9
37.5°	575.0	575.2
40°	708.6	711.7
42.5°	843.9	848.8
45°	998.0	1001.8
47.5°	1181.0	1185.1
50°	1426.4	1434.1
52.5°	1676.3	1696.1
55°	1871.6	1898.2
57.5°	2027.9	2062.8
60°	2135.8	2173.2
62.5°	2227.5	2269.9
65°	2310.7	2351.5
67.5°	2388.8	2427.3
70°	2447.5	2477.8
72.5°	2504.3	2519.7
75°	2550.5	2557.9
77.5°	2582.6	2586.8
80°	2608.8	2602.7
82.5°	2630.2	2627.2
85°	2637.4	2669.8
87.5°	2619.3	2663.3
90°	2625.0	2622.9
92.5°	2619.3	2663.3
95°	2637.4	2669.8
97.5°	2630.2	2627.2
100°	2608.8	2602.7
102.5°	2582.6	2586.8
105°	2550.5	2557.9
107.5°	2504.3	2519.7
110°	2447.5	2477.8



TEST NUMBER: P232006

CATALOG NUMBER: FVS4WM-4-LD4-40-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2388.8	2427.3
115°	2310.7	2351.5
117.5°	2227.5	2269.9
120°	2135.8	2173.2
122.5°	2027.9	2062.8
125°	1871.6	1898.2
127.5°	1676.3	1696.1
130°	1426.4	1434.1
132.5°	1181.0	1185.1
135°	998.0	1001.8
137.5°	843.9	848.8
140°	708.6	711.7
142.5°	575.0	575.2
145°	476.2	474.9
147.5°	386.2	383.3
150°	319.1	315.4
152.5°	256.0	251.2
155°	218.9	214.4
157.5°	199.0	195.6
160°	185.4	183.3
162.5°	181.9	181.2
165°	160.7	160.2
167.5°	132.7	132.1
170°	98.2	97.4
172.5°	74.2	73.6
175°	43.8	43.3
177.5°	21.2	20.9
180°	2.0	2.0

(END OF REPORT)