

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: P231991

Luminaire Tested: **FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-18)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 2-MODULE LED WITH P125 LENS
Light Source: (168) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

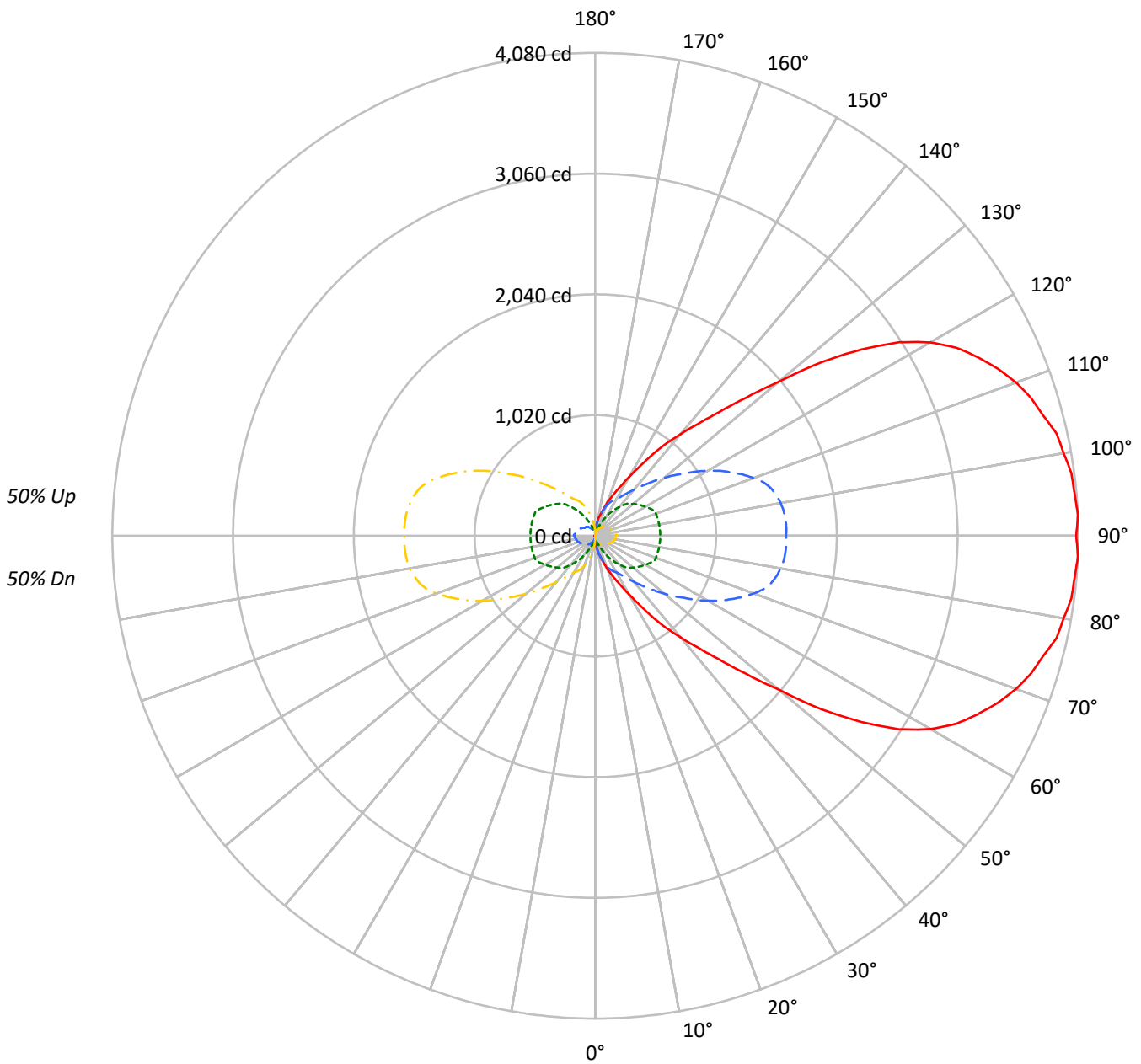
Lumens per Lamp: N/A
Luminaire Lumens: 9439.8 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 21.32 / 13.7 / 14.56
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 89.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	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	51	40	33	58	46	37	30	37	30	24	29	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	13	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	15	10	16	11	7	12	8	5	3
10	39	26	18	12	36	23	16	11	19	13	9	15	10	6	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	50	50	50	50
5°	1113	368	44	368
10°	1723	688	26	688
15°	2196	1020	36	1020
20°	3007	1370	33	1370
25°	3843	2087	31	2087
30°	5137	3219	29	3219
35°	7066	4477	28	4477
40°	9243	5904	27	5904
45°	11816	7568	35	7568
50°	15975	8974	35	8974
55°	21425	10729	34	10729
60°	25460	12987	34	12987
65°	27934	16014	34	16014
70°	30012	19653	35	19653
75°	31741	24413	45	24413
80°	33517	32502	0	32502
85°	35209	49037	0	49037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	31.6	0.3
20°-30°	87.2	0.9
30°-40°	192.7	2.0
40°-50°	373.2	4.0
50°-60°	656.1	7.0
60°-70°	952.9	10.1
70°-80°	1160.2	12.3
80°-90°	1261.1	13.4
90°-100°	1261.1	13.4
100°-110°	1160.2	12.3
110°-120°	952.9	10.1
120°-130°	656.1	7.0
130°-140°	373.2	4.0
140°-150°	192.7	2.0
150°-160°	87.2	0.9
160°-170°	31.6	0.3
170°-180°	4.9	0.1
0°-30°	123.7	1.3
0°-40°	316.4	3.4
0°-60°	1345.6	14.3
0°-90°	4719.9	50.0
90°-120°	3374.3	35.7
90°-150°	4596.2	48.7
90°-180°	4720.0	50.0
0°-180°	9439.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3	3	3	3	3	
5°	84	24	3	24	84	10
15°	203	66	3	66	203	62
25°	409	130	3	130	409	198
35°	828	256	3	256	828	532
45°	1472	383	4	383	1472	1181
55°	2744	454	4	454	2744	2443
65°	3567	526	4	526	3567	3530
75°	3918	546	6	546	3918	4145
85°	4064	548	0	548	4064	3314
90°	4063	549	0	549	4063	2232
95°	4064	548	0	548	4064	3314
105°	3918	546	6	546	3918	4145
115°	3567	526	4	526	3567	3530
125°	2744	454	4	454	2744	2443
135°	1472	383	4	383	1472	1181
145°	828	256	3	256	828	532
155°	409	130	3	130	409	198
165°	203	66	3	66	203	62
175°	84	24	3	24	84	10
180°	3	3	3	3	3	



TEST NUMBER: P231991

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	41.4	41.8	42.2	42.7	43.1	43.5	43.9	42.6	42.4	42.2	42.0
5°	83.9	84.7	85.4	86.2	87.0	85.7	85.6	85.3	84.9	84.3	83.5
7.5°	113.4	114.7	116.0	117.3	117.2	117.7	118.0	118.1	118.1	117.8	117.3
10°	145.0	146.9	148.9	150.8	150.7	151.5	152.0	152.2	152.2	151.8	151.1
12.5°	170.0	172.9	175.7	177.5	179.4	181.0	182.3	183.2	183.8	184.0	183.9
15°	202.7	206.2	209.8	211.6	213.7	215.4	216.7	217.6	218.1	218.1	217.7
17.5°	245.3	248.6	251.9	252.8	254.2	255.2	255.7	255.8	255.6	255.0	254.0
20°	299.8	301.9	304.0	302.6	302.2	301.2	299.7	297.9	295.7	293.3	290.6
22.5°	352.1	352.9	353.7	350.6	348.7	346.1	343.0	339.5	335.7	331.5	327.2
25°	408.8	408.4	405.8	402.8	398.9	394.1	388.7	382.5	375.9	368.7	361.1
27.5°	481.8	480.2	475.3	469.8	463.0	454.8	445.4	435.0	423.6	411.3	400.1
30°	576.6	572.7	564.2	554.9	543.7	530.9	516.6	501.0	484.2	466.5	451.2
32.5°	686.7	681.4	670.1	657.5	642.1	624.2	603.9	581.3	556.6	532.3	510.7
35°	828.4	821.5	806.2	788.9	767.8	742.9	714.5	682.7	647.8	616.4	584.6
37.5°	978.9	971.2	953.5	933.4	908.5	879.0	845.1	806.8	765.0	723.1	678.4
40°	1121.7	1117.2	1101.8	1083.0	1058.0	1026.4	988.1	942.9	894.2	843.7	789.3
42.5°	1279.7	1279.9	1266.7	1249.4	1224.1	1190.6	1148.5	1097.7	1043.0	981.6	912.4
45°	1471.6	1475.7	1462.4	1444.1	1416.2	1378.5	1330.8	1281.3	1212.8	1141.7	1064.2
47.5°	1727.7	1732.8	1713.5	1688.1	1650.5	1601.1	1540.2	1473.4	1402.7	1321.4	1238.1
50°	2025.3	2029.3	2002.8	1969.3	1921.5	1860.3	1786.2	1706.1	1617.0	1510.9	1413.9
52.5°	2410.1	2401.0	2351.4	2295.6	2225.7	2144.2	2053.6	1959.1	1841.4	1714.0	1592.6
55°	2743.6	2719.1	2657.0	2590.3	2512.2	2425.6	2329.3	2208.9	2064.1	1917.8	1771.7
57.5°	3043.4	3001.8	2923.9	2842.4	2751.3	2653.7	2548.0	2421.0	2289.1	2116.2	1948.8
60°	3267.9	3218.3	3136.8	3050.1	2951.9	2844.0	2726.3	2599.9	2458.4	2298.9	2124.4
62.5°	3439.1	3376.1	3300.0	3212.3	3114.6	3009.6	2884.8	2755.1	2612.0	2459.2	2280.3
65°	3566.6	3509.8	3439.0	3352.3	3248.9	3134.1	3015.8	2887.7	2742.8	2588.6	2419.5
67.5°	3683.3	3628.9	3561.0	3478.6	3381.5	3261.8	3128.7	2991.3	2849.7	2694.9	2532.7
70°	3782.4	3740.9	3681.9	3601.3	3490.2	3365.8	3234.6	3086.5	2933.7	2787.7	2640.8
72.5°	3862.0	3831.8	3785.4	3719.6	3603.9	3457.8	3314.5	3167.4	3020.6	2876.3	2730.2
75°	3917.6	3902.2	3870.3	3791.7	3662.7	3528.2	3380.9	3242.8	3103.1	2952.1	2800.6
77.5°	3990.6	3969.3	3937.2	3849.1	3718.3	3562.0	3444.2	3309.0	3164.2	3013.3	2856.3
80°	4017.9	4001.1	3968.5	3903.4	3773.7	3628.6	3492.9	3362.9	3209.8	3056.5	2897.6
82.5°	4056.0	4034.5	3992.4	3929.7	3826.7	3670.3	3529.2	3387.9	3239.7	3091.0	2936.8
85°	4063.7	4045.5	4008.5	3950.3	3839.5	3688.7	3548.6	3417.3	3262.5	3114.8	2962.0
87.5°	4080.0	4035.8	4015.2	3971.0	3859.1	3708.8	3560.0	3433.4	3266.7	3121.6	2972.2
90°	4062.6	4032.1	4002.6	3975.4	3856.6	3698.5	3551.4	3429.3	3252.7	3112.1	2967.1
92.5°	4080.0	4035.8	4015.2	3971.0	3859.1	3708.8	3560.0	3433.4	3266.7	3121.6	2972.2
95°	4063.7	4045.5	4008.5	3950.3	3839.5	3688.7	3548.6	3417.3	3262.5	3114.8	2962.0
97.5°	4056.0	4034.5	3992.4	3929.7	3826.7	3670.3	3529.2	3387.9	3239.7	3091.0	2936.8
100°	4017.9	4001.1	3968.5	3903.4	3773.7	3628.6	3492.9	3362.9	3209.8	3056.5	2897.6
102.5°	3990.6	3969.3	3937.2	3849.1	3718.3	3562.0	3444.2	3309.0	3164.2	3013.3	2856.3
105°	3917.6	3902.2	3870.3	3791.7	3662.7	3528.2	3380.9	3242.8	3103.1	2952.1	2800.6
107.5°	3862.0	3831.8	3785.4	3719.6	3603.9	3457.8	3314.5	3167.4	3020.6	2876.3	2730.2
110°	3782.4	3740.9	3681.9	3601.3	3490.2	3365.8	3234.6	3086.5	2933.7	2787.7	2640.8



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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°	3683.3	3628.9	3561.0	3478.6	3381.5	3261.8	3128.7	2991.3	2849.7	2694.9	2532.7
115°	3566.6	3509.8	3439.0	3352.3	3248.9	3134.1	3015.8	2887.7	2742.8	2588.6	2419.5
117.5°	3439.1	3376.1	3300.0	3212.3	3114.6	3009.6	2884.8	2755.1	2612.0	2459.2	2280.3
120°	3267.9	3218.3	3136.8	3050.1	2951.9	2844.0	2726.3	2599.9	2458.4	2298.9	2124.4
122.5°	3043.4	3001.8	2923.9	2842.4	2751.3	2653.7	2548.0	2421.0	2289.1	2116.2	1948.8
125°	2743.6	2719.1	2657.0	2590.3	2512.2	2425.6	2329.3	2208.9	2064.1	1917.8	1771.7
127.5°	2410.1	2401.0	2351.4	2295.6	2225.7	2144.2	2053.6	1959.1	1841.4	1714.0	1592.6
130°	2025.3	2029.3	2002.8	1969.3	1921.5	1860.3	1786.2	1706.1	1617.0	1510.9	1413.9
132.5°	1727.7	1732.8	1713.5	1688.1	1650.5	1601.1	1540.2	1473.4	1402.7	1321.4	1238.1
135°	1471.6	1475.7	1462.4	1444.1	1416.2	1378.5	1330.8	1281.3	1212.8	1141.7	1064.2
137.5°	1279.7	1279.9	1266.7	1249.4	1224.1	1190.6	1148.5	1097.7	1043.0	981.6	912.4
140°	1121.7	1117.2	1101.8	1083.0	1058.0	1026.4	988.1	942.9	894.2	843.7	789.3
142.5°	978.9	971.2	953.5	933.4	908.5	879.0	845.1	806.8	765.0	723.1	678.4
145°	828.4	821.5	806.2	788.9	767.8	742.9	714.5	682.7	647.8	616.4	584.6
147.5°	686.7	681.4	670.1	657.5	642.1	624.2	603.9	581.3	556.6	532.3	510.7
150°	576.6	572.7	564.2	554.9	543.7	530.9	516.6	501.0	484.2	466.5	451.2
152.5°	481.8	480.2	475.3	469.8	463.0	454.8	445.4	435.0	423.6	411.3	400.1
155°	408.8	408.4	405.8	402.8	398.9	394.1	388.7	382.5	375.9	368.7	361.1
157.5°	352.1	352.9	353.7	350.6	348.7	346.1	343.0	339.5	335.7	331.5	327.2
160°	299.8	301.9	304.0	302.6	302.2	301.2	299.7	297.9	295.7	293.3	290.6
162.5°	245.3	248.6	251.9	252.8	254.2	255.2	255.7	255.8	255.6	255.0	254.0
165°	202.7	206.2	209.8	211.6	213.7	215.4	216.7	217.6	218.1	218.1	217.7
167.5°	170.0	172.9	175.7	177.5	179.4	181.0	182.3	183.2	183.8	184.0	183.9
170°	145.0	146.9	148.9	150.8	150.7	151.5	152.0	152.2	152.2	151.8	151.1
172.5°	113.4	114.7	116.0	117.3	117.2	117.7	118.0	118.1	118.1	117.8	117.3
175°	83.9	84.7	85.4	86.2	87.0	85.7	85.6	85.3	84.9	84.3	83.5
177.5°	41.4	41.8	42.2	42.7	43.1	43.5	43.9	42.6	42.4	42.2	42.0
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



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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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	41.6	41.2	40.7	40.2	39.5	38.8	38.1	37.3	36.4	35.4	34.4
5°	82.6	81.6	80.4	79.0	77.5	75.9	74.1	72.2	70.2	68.0	65.7
7.5°	116.6	115.8	114.7	113.5	112.0	110.3	108.5	106.5	104.3	101.2	97.8
10°	150.2	148.9	147.4	145.6	143.5	141.1	138.5	135.8	132.8	129.6	126.1
12.5°	183.4	182.5	181.2	179.6	177.3	174.3	171.0	167.3	163.2	158.8	154.0
15°	216.9	215.6	213.9	212.0	209.7	206.8	203.4	199.6	195.2	189.9	184.1
17.5°	252.8	251.3	249.4	246.9	243.9	240.5	236.6	232.1	226.9	221.2	214.8
20°	287.8	285.3	282.9	280.2	277.4	274.4	270.3	265.3	259.7	253.5	246.3
22.5°	322.8	318.6	314.5	310.6	306.9	303.3	299.7	296.0	292.4	285.3	277.8
25°	355.0	349.1	343.2	337.6	332.6	328.4	324.6	321.2	317.1	313.2	310.0
27.5°	390.5	380.7	370.8	362.0	355.6	349.6	344.8	340.6	337.8	335.1	331.1
30°	435.2	418.6	402.9	390.6	379.3	368.1	361.9	356.5	352.2	349.3	346.2
32.5°	488.5	466.0	445.7	426.2	406.5	392.3	386.9	383.9	385.4	386.7	389.5
35°	551.0	518.5	493.0	467.5	449.2	437.6	425.1	420.5	415.6	415.3	416.6
37.5°	631.0	590.1	550.1	525.9	508.3	491.0	475.9	461.2	451.7	445.9	444.3
40°	732.9	681.6	641.9	608.8	577.8	550.7	529.8	509.7	493.0	480.5	474.0
42.5°	850.3	801.2	752.1	706.4	663.1	624.2	588.2	563.5	539.2	520.5	507.2
45°	997.0	927.5	868.3	811.4	757.9	704.9	661.8	620.1	591.4	564.3	543.8
47.5°	1153.9	1069.5	992.3	918.6	856.7	796.7	738.9	690.5	645.9	613.2	585.4
50°	1315.6	1219.5	1122.1	1035.8	956.8	887.3	823.3	761.4	710.5	665.2	628.3
52.5°	1474.3	1366.9	1260.5	1154.7	1060.1	977.1	905.1	838.6	777.0	722.2	694.5
55°	1635.5	1506.3	1390.7	1278.1	1165.5	1067.8	982.1	914.8	861.0	816.0	784.9
57.5°	1791.9	1644.0	1510.8	1390.7	1274.6	1158.9	1077.0	1009.6	954.2	905.2	871.7
60°	1941.2	1775.7	1623.8	1490.7	1383.2	1276.7	1175.0	1098.8	1041.1	992.0	954.1
62.5°	2091.4	1897.2	1738.3	1608.1	1490.9	1382.7	1275.4	1187.5	1121.3	1070.7	1031.1
65°	2224.5	2038.1	1859.9	1718.9	1593.9	1478.4	1369.5	1266.9	1196.7	1145.3	1106.8
67.5°	2361.3	2169.8	1983.4	1818.9	1687.5	1565.3	1454.1	1349.5	1270.2	1214.8	1176.0
70°	2472.2	2281.8	2096.9	1906.6	1770.1	1647.1	1531.1	1424.8	1335.9	1278.5	1239.2
72.5°	2570.9	2375.5	2179.0	1993.4	1836.4	1718.9	1599.8	1495.2	1396.1	1339.0	1300.2
75°	2642.0	2459.5	2248.7	2062.2	1886.7	1779.1	1655.2	1539.7	1445.5	1388.3	1354.4
77.5°	2701.3	2527.8	2307.1	2116.6	1941.0	1807.0	1684.2	1569.3	1480.6	1429.4	1404.3
80°	2743.2	2576.1	2369.8	2161.4	1981.3	1831.5	1706.1	1590.5	1506.0	1463.7	1450.5
82.5°	2779.7	2616.1	2417.6	2195.5	2009.5	1852.3	1720.9	1604.4	1523.5	1492.7	1493.9
85°	2802.4	2643.7	2449.8	2218.2	2026.2	1868.2	1729.0	1611.8	1535.1	1518.1	1535.2
87.5°	2811.3	2665.4	2474.0	2235.4	2036.5	1882.2	1733.6	1615.6	1542.8	1541.1	1575.3
90°	2806.9	2658.6	2465.7	2228.0	2028.6	1881.4	1726.6	1612.2	1548.9	1565.3	1615.4
92.5°	2811.3	2665.4	2474.0	2235.4	2036.5	1882.2	1733.6	1615.6	1542.8	1541.1	1575.3
95°	2802.4	2643.7	2449.8	2218.2	2026.2	1868.2	1729.0	1611.8	1535.1	1518.1	1535.2
97.5°	2779.7	2616.1	2417.6	2195.5	2009.5	1852.3	1720.9	1604.4	1523.5	1492.7	1493.9
100°	2743.2	2576.1	2369.8	2161.4	1981.3	1831.5	1706.1	1590.5	1506.0	1463.7	1450.5
102.5°	2701.3	2527.8	2307.1	2116.6	1941.0	1807.0	1684.2	1569.3	1480.6	1429.4	1404.3
105°	2642.0	2459.5	2248.7	2062.2	1886.7	1779.1	1655.2	1539.7	1445.5	1388.3	1354.4
107.5°	2570.9	2375.5	2179.0	1993.4	1836.4	1718.9	1599.8	1495.2	1396.1	1339.0	1300.2
110°	2472.2	2281.8	2096.9	1906.6	1770.1	1647.1	1531.1	1424.8	1335.9	1278.5	1239.2



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	2361.3	2169.8	1983.4	1818.9	1687.5	1565.3	1454.1	1349.5	1270.2	1214.8	1176.0
115°	2224.5	2038.1	1859.9	1718.9	1593.9	1478.4	1369.5	1266.9	1196.7	1145.3	1106.8
117.5°	2091.4	1897.2	1738.3	1608.1	1490.9	1382.7	1275.4	1187.5	1121.3	1070.7	1031.1
120°	1941.2	1775.7	1623.8	1490.7	1383.2	1276.7	1175.0	1098.8	1041.1	992.0	954.1
122.5°	1791.9	1644.0	1510.8	1390.7	1274.6	1158.9	1077.0	1009.6	954.2	905.2	871.7
125°	1635.5	1506.3	1390.7	1278.1	1165.5	1067.8	982.1	914.8	861.0	816.0	784.9
127.5°	1474.3	1366.9	1260.5	1154.7	1060.1	977.1	905.1	838.6	777.0	722.2	694.5
130°	1315.6	1219.5	1122.1	1035.8	956.8	887.3	823.3	761.4	710.5	665.2	628.3
132.5°	1153.9	1069.5	992.3	918.6	856.7	796.7	738.9	690.5	645.9	613.2	585.4
135°	997.0	927.5	868.3	811.4	757.9	704.9	661.8	620.1	591.4	564.3	543.8
137.5°	850.3	801.2	752.1	706.4	663.1	624.2	588.2	563.5	539.2	520.5	507.2
140°	732.9	681.6	641.9	608.8	577.8	550.7	529.8	509.7	493.0	480.5	474.0
142.5°	631.0	590.1	550.1	525.9	508.3	491.0	475.9	461.2	451.7	445.9	444.3
145°	551.0	518.5	493.0	467.5	449.2	437.6	425.1	420.5	415.6	415.3	416.6
147.5°	488.5	466.0	445.7	426.2	406.5	392.3	386.9	383.9	385.4	386.7	389.5
150°	435.2	418.6	402.9	390.6	379.3	368.1	361.9	356.5	356.2	359.3	362.2
152.5°	390.5	380.7	370.8	362.0	355.6	349.6	344.8	340.6	337.8	335.1	331.1
155°	355.0	349.1	343.2	337.6	332.6	328.4	324.6	321.2	317.1	313.2	310.0
157.5°	322.8	318.6	314.5	310.6	306.9	303.3	299.7	296.0	292.4	285.3	277.8
160°	287.8	285.3	282.9	280.2	277.4	274.4	270.3	265.3	259.7	253.5	246.3
162.5°	252.8	251.3	249.4	246.9	243.9	240.5	236.6	232.1	226.9	221.2	214.8
165°	216.9	215.6	213.9	212.0	209.7	206.8	203.4	199.6	195.2	189.9	184.1
167.5°	183.4	182.5	181.2	179.6	177.3	174.3	171.0	167.3	163.2	158.8	154.0
170°	150.2	148.9	147.4	145.6	143.5	141.1	138.5	135.8	132.8	129.6	126.1
172.5°	116.6	115.8	114.7	113.5	112.0	110.3	108.5	106.5	104.3	101.2	97.8
175°	82.6	81.6	80.4	79.0	77.5	75.9	74.1	72.2	70.2	68.0	65.7
177.5°	41.6	41.2	40.7	40.2	39.5	38.8	38.1	37.3	36.4	35.4	34.4
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	33.4	32.3	31.1	29.9	28.6	27.3	26.0	24.6	23.1	21.6	20.1
5°	63.3	60.8	58.2	55.8	53.3	50.7	48.1	45.3	42.5	39.6	36.7
7.5°	94.3	90.5	86.6	82.6	78.4	74.1	69.7	65.6	61.4	57.2	52.9
10°	122.4	118.5	114.6	109.0	103.5	97.9	92.1	86.1	80.1	74.4	68.8
12.5°	149.2	144.2	138.9	133.4	127.5	121.0	113.9	106.6	99.2	91.6	84.4
15°	177.9	171.3	165.3	157.5	150.3	142.8	135.0	126.5	117.8	108.9	99.8
17.5°	208.8	199.9	191.6	182.8	173.8	164.8	155.5	145.9	135.9	125.8	115.5
20°	238.1	229.3	219.7	209.5	198.7	187.5	176.6	165.3	153.6	142.3	130.8
22.5°	269.7	259.7	248.6	236.8	224.5	211.5	198.1	185.1	171.7	158.3	145.8
25°	299.7	290.0	279.0	265.4	253.9	242.3	230.2	217.7	205.4	192.6	180.2
27.5°	330.5	325.5	317.7	308.8	297.0	284.5	271.7	258.2	244.7	231.1	217.3
30°	362.6	361.9	357.5	348.7	338.6	325.7	312.2	298.0	284.2	269.1	254.6
32.5°	392.5	393.2	392.3	386.9	377.3	365.5	351.7	337.1	321.6	306.4	291.2
35°	419.2	422.3	422.9	421.8	414.1	403.7	390.0	376.4	359.4	343.2	327.5
37.5°	445.7	448.6	452.0	451.8	451.1	439.3	427.2	412.5	396.5	379.4	363.4
40°	472.5	474.3	477.9	481.0	480.1	474.1	462.8	448.6	433.0	415.6	398.8
42.5°	500.1	500.4	503.0	507.4	508.9	508.2	496.7	483.7	468.8	451.1	433.7
45°	532.1	525.5	528.4	532.5	537.1	536.7	529.8	517.8	503.2	486.2	468.2
47.5°	563.1	555.3	553.2	556.9	562.6	568.6	571.6	562.2	547.5	528.0	504.8
50°	602.6	588.7	600.2	619.7	634.2	640.9	638.2	622.6	601.1	574.6	543.6
52.5°	679.1	677.7	691.3	707.5	719.1	718.7	707.6	686.4	657.5	623.4	584.3
55°	768.3	767.3	778.4	798.0	808.5	800.8	781.8	753.3	716.6	674.0	626.7
57.5°	853.6	851.2	861.6	887.4	898.2	888.2	860.5	823.0	777.8	726.3	670.4
60°	931.7	931.4	945.9	972.6	990.0	980.4	943.1	895.2	840.8	780.3	715.4
62.5°	1009.5	1009.6	1026.2	1055.0	1083.6	1076.8	1028.7	969.7	905.5	835.8	761.3
65°	1084.0	1082.3	1102.6	1134.9	1178.4	1170.7	1116.8	1046.7	971.8	892.4	808.2
67.5°	1153.3	1149.9	1175.7	1214.0	1262.6	1263.0	1207.5	1125.8	1039.3	950.0	855.6
70°	1218.8	1217.8	1247.9	1288.9	1329.6	1324.7	1258.6	1161.2	1061.9	965.1	865.8
72.5°	1279.4	1274.2	1294.9	1325.1	1348.5	1336.6	1269.0	1168.6	1066.0	969.0	869.7
75°	1333.6	1325.5	1339.9	1365.7	1374.2	1350.8	1278.3	1175.0	1068.7	971.8	872.6
77.5°	1386.2	1376.7	1385.5	1409.9	1405.5	1366.9	1286.5	1180.2	1070.2	973.4	874.4
80°	1437.7	1427.9	1431.9	1456.9	1441.0	1384.0	1293.5	1184.3	1070.4	973.9	875.4
82.5°	1488.0	1479.0	1479.1	1505.9	1479.3	1401.5	1299.0	1187.0	1069.5	973.4	878.6
85°	1537.6	1530.1	1527.0	1556.2	1519.1	1422.8	1306.7	1191.6	1069.5	973.7	876.1
87.5°	1586.6	1581.1	1575.4	1607.3	1560.0	1435.7	1306.3	1188.8	1064.5	969.8	873.5
90°	1635.1	1631.8	1625.3	1656.9	1596.9	1448.7	1305.9	1186.0	1059.5	965.8	870.9
92.5°	1586.6	1581.1	1575.4	1607.3	1560.0	1435.7	1306.3	1188.8	1064.5	969.8	873.5
95°	1537.6	1530.1	1527.0	1556.2	1519.1	1422.8	1306.7	1191.6	1069.5	973.7	876.1
97.5°	1488.0	1479.0	1479.1	1505.9	1479.3	1401.5	1299.0	1187.0	1069.5	973.4	878.6
100°	1437.7	1427.9	1431.9	1456.9	1441.0	1384.0	1293.5	1184.3	1070.4	973.9	875.4
102.5°	1386.2	1376.7	1385.5	1409.9	1405.5	1366.9	1286.5	1180.2	1070.2	973.4	874.4
105°	1333.6	1325.5	1339.9	1365.7	1374.2	1350.8	1278.3	1175.0	1068.7	971.8	872.6
107.5°	1279.4	1274.2	1294.9	1325.1	1348.5	1336.6	1269.0	1168.6	1066.0	969.0	869.7
110°	1218.8	1217.8	1247.9	1288.9	1329.6	1324.7	1258.6	1161.2	1061.9	965.1	865.8



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1153.3	1149.9	1175.7	1214.0	1262.6	1263.0	1207.5	1125.8	1039.3	950.0	855.6
115°	1084.0	1082.3	1102.6	1134.9	1178.4	1170.7	1116.8	1046.7	971.8	892.4	808.2
117.5°	1009.5	1009.6	1026.2	1055.0	1083.6	1076.8	1028.7	969.7	905.5	835.8	761.3
120°	931.7	931.4	945.9	972.6	990.0	980.4	943.1	895.2	840.8	780.3	715.4
122.5°	853.6	851.2	861.6	887.4	898.2	888.2	860.5	823.0	777.8	726.3	670.4
125°	768.3	767.3	778.4	798.0	808.5	800.8	781.8	753.3	716.6	674.0	626.7
127.5°	679.1	677.7	691.3	707.5	719.1	718.7	707.6	686.4	657.5	623.4	584.3
130°	602.6	588.7	600.2	619.7	634.2	640.9	638.2	622.6	601.1	574.6	543.6
132.5°	563.1	555.3	553.2	556.9	562.6	568.6	571.6	562.2	547.5	528.0	504.8
135°	532.1	525.5	528.4	532.5	537.1	536.7	529.8	517.8	503.2	486.2	468.2
137.5°	500.1	500.4	503.0	507.4	508.9	508.2	496.7	483.7	468.8	451.1	433.7
140°	472.5	474.3	477.9	481.0	480.1	474.1	462.8	448.6	433.0	415.6	398.8
142.5°	445.7	448.6	452.0	451.8	451.1	439.3	427.2	412.5	396.5	379.4	363.4
145°	419.2	422.3	422.9	421.8	414.1	403.7	390.0	376.4	359.4	343.2	327.5
147.5°	392.5	393.2	392.3	386.9	377.3	365.5	351.7	337.1	321.6	306.4	291.2
150°	362.6	361.9	357.5	348.7	338.6	325.7	312.2	298.0	284.2	269.1	254.6
152.5°	330.5	325.5	317.7	308.8	297.0	284.5	271.7	258.2	244.7	231.1	217.3
155°	299.7	290.0	279.0	265.4	253.9	242.3	230.2	217.7	205.4	192.6	180.2
157.5°	269.7	259.7	248.6	236.8	224.5	211.5	198.1	185.1	171.7	158.3	145.8
160°	238.1	229.3	219.7	209.5	198.7	187.5	176.6	165.3	153.6	142.3	130.8
162.5°	208.8	199.9	191.6	182.8	173.8	164.8	155.5	145.9	135.9	125.8	115.5
165°	177.9	171.3	165.3	157.5	150.3	142.8	135.0	126.5	117.8	108.9	99.8
167.5°	149.2	144.2	138.9	133.4	127.5	121.0	113.9	106.6	99.2	91.6	84.4
170°	122.4	118.5	114.6	109.0	103.5	97.9	92.1	86.1	80.1	74.4	68.8
172.5°	94.3	90.5	86.6	82.6	78.4	74.1	69.7	65.6	61.4	57.2	52.9
175°	63.3	60.8	58.2	55.8	53.3	50.7	48.1	45.3	42.5	39.6	36.7
177.5°	33.4	32.3	31.1	29.9	28.6	27.3	26.0	24.6	23.1	21.6	20.1
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	18.6	17.0	15.4	13.8	13.7	13.6	13.5	13.4	13.2	13.0	12.8
5°	33.7	30.6	27.5	24.4	24.1	23.8	23.5	23.2	22.8	22.4	21.9
7.5°	48.5	44.1	39.5	34.9	34.4	33.9	33.4	32.7	32.1	31.4	30.6
10°	63.1	57.3	51.4	45.4	44.7	43.9	43.0	42.1	41.1	40.1	39.6
12.5°	77.5	70.4	63.2	56.0	54.9	53.7	52.5	51.2	50.1	49.4	48.7
15°	91.6	83.4	75.0	66.5	65.0	63.5	61.8	60.2	59.4	58.6	57.7
17.5°	105.4	96.1	86.6	77.0	75.1	73.1	70.9	69.6	68.7	67.6	66.4
20°	119.1	108.7	98.2	87.6	85.1	82.6	80.1	78.9	77.7	76.5	74.9
22.5°	133.0	121.1	109.7	98.1	95.1	92.0	89.5	88.2	86.7	85.1	83.4
25°	167.4	154.7	142.5	129.7	125.5	120.8	116.9	113.4	109.6	105.5	101.2
27.5°	203.3	189.0	175.5	161.3	155.9	149.9	145.1	140.2	135.1	129.9	124.3
30°	239.2	223.3	208.4	192.9	186.1	178.8	172.7	166.3	159.9	153.3	146.3
32.5°	274.9	257.8	241.4	224.5	216.2	207.6	199.9	191.9	184.0	175.8	167.2
35°	310.6	292.3	274.4	256.2	246.3	236.1	226.6	217.0	207.4	197.4	187.2
37.5°	346.2	326.7	307.3	287.8	276.2	264.4	252.8	241.5	230.6	218.2	206.4
40°	381.6	361.0	340.3	319.4	306.0	292.3	278.6	265.5	252.1	238.2	224.9
42.5°	416.9	395.3	373.2	351.0	335.7	320.0	304.6	289.1	273.5	258.1	242.6
45°	451.4	429.4	406.1	382.6	365.3	347.4	329.4	312.2	294.3	276.5	259.7
47.5°	482.5	456.0	428.0	400.5	379.7	359.1	339.4	321.5	303.8	287.1	270.3
50°	514.4	482.7	449.9	418.4	393.8	369.8	347.7	327.8	309.3	292.5	274.7
52.5°	547.4	509.8	471.9	436.4	407.7	380.3	355.7	334.2	314.9	298.4	279.9
55°	581.4	537.3	494.1	454.3	421.4	390.5	363.6	340.7	321.0	304.6	285.9
57.5°	616.3	565.2	516.3	472.2	435.0	400.5	371.3	347.3	327.6	311.0	292.5
60°	651.9	593.4	538.7	490.1	448.5	410.4	379.0	354.1	334.4	317.8	300.6
62.5°	688.2	621.8	561.2	508.1	461.9	420.1	386.6	360.9	341.6	325.1	308.4
65°	724.9	650.4	583.7	526.0	475.2	429.8	394.1	367.9	349.0	332.9	317.4
67.5°	762.1	679.1	606.2	543.9	488.5	439.3	401.6	375.0	356.6	341.1	327.1
70°	769.4	685.2	609.9	544.5	486.2	436.7	399.2	372.9	355.6	341.6	329.7
72.5°	773.6	690.4	613.5	545.1	483.8	433.9	396.2	369.6	352.5	339.2	328.2
75°	777.1	695.3	619.5	545.7	481.5	431.3	393.5	366.5	349.7	337.1	326.9
77.5°	780.0	699.9	622.2	546.3	479.3	428.8	391.0	363.4	346.9	335.2	325.9
80°	782.3	706.7	624.8	547.0	477.2	426.6	388.6	360.6	344.4	333.7	325.1
82.5°	785.9	709.6	627.5	547.6	475.2	424.6	386.5	357.9	342.0	332.3	324.6
85°	785.9	712.5	630.2	548.2	473.2	422.8	384.6	355.4	339.7	331.1	324.1
87.5°	785.9	715.4	632.8	548.8	471.5	421.1	383.0	353.1	337.6	330.1	323.9
90°	785.9	718.3	635.5	549.4	469.8	419.7	381.5	351.0	335.7	329.2	323.7
92.5°	785.9	715.4	632.8	548.8	471.5	421.1	383.0	353.1	337.6	330.1	323.9
95°	785.9	712.5	630.2	548.2	473.2	422.8	384.6	355.4	339.7	331.1	324.1
97.5°	785.9	709.6	627.5	547.6	475.2	424.6	386.5	357.9	342.0	332.3	324.6
100°	782.3	706.7	624.8	547.0	477.2	426.6	388.6	360.6	344.4	333.7	325.1
102.5°	780.0	699.9	622.2	546.3	479.3	428.8	391.0	363.4	346.9	335.2	325.9
105°	777.1	695.3	619.5	545.7	481.5	431.3	393.5	366.5	349.7	337.1	326.9
107.5°	773.6	690.4	613.5	545.1	483.8	433.9	396.2	369.6	352.5	339.2	328.2
110°	769.4	685.2	609.9	544.5	486.2	436.7	399.2	372.9	355.6	341.6	329.7



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	762.1	679.1	606.2	543.9	488.5	439.3	401.6	375.0	356.6	341.1	327.1
115°	724.9	650.4	583.7	526.0	475.2	429.8	394.1	367.9	349.0	332.9	317.4
117.5°	688.2	621.8	561.2	508.1	461.9	420.1	386.6	360.9	341.6	325.1	308.4
120°	651.9	593.4	538.7	490.1	448.5	410.4	379.0	354.1	334.4	317.8	300.6
122.5°	616.3	565.2	516.3	472.2	435.0	400.5	371.3	347.3	327.6	311.0	292.5
125°	581.4	537.3	494.1	454.3	421.4	390.5	363.6	340.7	321.0	304.6	285.9
127.5°	547.4	509.8	471.9	436.4	407.7	380.3	355.7	334.2	314.9	298.4	279.9
130°	514.4	482.7	449.9	418.4	393.8	369.8	347.7	327.8	309.3	292.5	274.7
132.5°	482.5	456.0	428.0	400.5	379.7	359.1	339.4	321.5	303.8	287.1	270.3
135°	451.4	429.4	406.1	382.6	365.3	347.4	329.4	312.2	294.3	276.5	259.7
137.5°	416.9	395.3	373.2	351.0	335.7	320.0	304.6	289.1	273.5	258.1	242.6
140°	381.6	361.0	340.3	319.4	306.0	292.3	278.6	265.5	252.1	238.2	224.9
142.5°	346.2	326.7	307.3	287.8	276.2	264.4	252.8	241.5	230.6	218.2	206.4
145°	310.6	292.3	274.4	256.2	246.3	236.1	226.6	217.0	207.4	197.4	187.2
147.5°	274.9	257.8	241.4	224.5	216.2	207.6	199.9	191.9	184.0	175.8	167.2
150°	239.2	223.3	208.4	192.9	186.1	178.8	172.7	166.3	159.9	153.3	146.3
152.5°	203.3	189.0	175.5	161.3	155.9	149.9	145.1	140.2	135.1	129.9	124.3
155°	167.4	154.7	142.5	129.7	125.5	120.8	116.9	113.4	109.6	105.5	101.2
157.5°	133.0	121.1	109.7	98.1	95.1	92.0	89.5	88.2	86.7	85.1	83.4
160°	119.1	108.7	98.2	87.6	85.1	82.6	80.1	78.9	77.7	76.5	74.9
162.5°	105.4	96.1	86.6	77.0	75.1	73.1	70.9	69.6	68.7	67.6	66.4
165°	91.6	83.4	75.0	66.5	65.0	63.5	61.8	60.2	59.4	58.6	57.7
167.5°	77.5	70.4	63.2	56.0	54.9	53.7	52.5	51.2	50.1	49.4	48.7
170°	63.1	57.3	51.4	45.4	44.7	43.9	43.0	42.1	41.1	40.1	39.6
172.5°	48.5	44.1	39.5	34.9	34.4	33.9	33.4	32.7	32.1	31.4	30.6
175°	33.7	30.6	27.5	24.4	24.1	23.8	23.5	23.2	22.8	22.4	21.9
177.5°	18.6	17.0	15.4	13.8	13.7	13.6	13.5	13.4	13.2	13.0	12.8
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	12.6	12.4	12.1	11.8	11.6	11.3	11.0	10.6	10.3	10.0	9.6
5°	21.4	20.9	20.4	19.8	19.2	18.8	18.4	17.9	17.4	16.9	16.3
7.5°	29.9	29.4	28.9	28.4	27.8	27.2	26.5	25.8	25.0	24.2	23.3
10°	39.0	38.4	37.7	36.9	36.1	35.1	34.1	33.1	31.9	30.8	29.6
12.5°	47.9	47.1	46.1	45.0	43.8	42.6	41.3	40.0	38.5	36.9	35.3
15°	56.7	55.5	54.2	52.8	51.4	49.8	48.1	46.4	44.6	42.8	41.1
17.5°	65.1	63.6	62.1	60.4	58.7	56.8	54.8	53.0	51.1	49.2	47.2
20°	73.4	71.7	69.8	67.9	65.8	63.9	61.8	59.7	57.5	55.2	52.8
22.5°	81.6	79.6	77.5	75.3	73.2	70.9	68.6	66.1	63.5	60.9	58.0
25°	96.8	92.1	87.4	82.7	80.3	77.7	75.0	72.2	69.1	65.9	62.6
27.5°	118.6	112.7	107.0	101.1	95.1	89.2	83.4	77.7	74.1	70.6	67.0
30°	139.2	132.2	125.2	117.8	110.5	103.2	96.0	89.2	82.7	76.5	71.5
32.5°	158.8	150.5	141.7	132.7	123.8	115.1	106.9	99.2	92.0	85.5	79.4
35°	177.4	167.5	156.5	145.7	135.2	125.4	116.4	107.9	100.1	92.8	85.9
37.5°	195.1	182.5	169.7	157.1	145.2	134.6	124.6	115.2	106.6	98.8	91.6
40°	211.5	196.3	181.4	167.1	154.5	142.6	131.4	121.3	112.3	104.3	97.0
42.5°	226.2	208.7	192.0	176.5	162.6	149.4	137.2	126.9	117.7	109.4	101.6
45°	239.9	220.2	201.3	185.2	169.7	154.9	142.9	132.1	122.8	113.7	105.1
47.5°	250.2	230.2	210.7	192.9	175.7	160.8	148.0	137.4	127.0	117.0	108.0
50°	254.8	235.3	217.3	199.4	181.4	166.4	153.4	141.9	130.3	119.7	110.0
52.5°	260.6	241.8	224.2	206.3	190.1	175.8	162.8	148.1	133.0	121.6	111.5
55°	267.4	249.4	231.9	214.1	200.0	187.4	174.4	159.1	143.2	127.8	113.3
57.5°	275.1	257.8	240.4	223.9	211.1	200.3	186.3	170.2	153.5	136.8	121.7
60°	283.6	266.7	249.7	235.3	224.3	213.9	198.8	181.3	163.1	145.5	129.3
62.5°	292.9	276.2	259.6	247.7	238.5	227.1	211.0	192.2	172.1	153.8	136.2
65°	302.7	286.4	270.4	260.9	253.8	240.9	223.1	202.4	181.1	161.4	142.4
67.5°	313.0	297.2	283.3	275.3	269.9	255.2	235.3	212.2	189.9	168.7	148.1
70°	317.5	304.1	293.9	289.8	284.5	269.1	247.5	221.9	198.5	175.8	153.2
72.5°	316.4	304.1	295.1	290.8	284.9	271.5	252.4	229.1	206.7	182.6	158.0
75°	315.9	304.6	296.3	291.6	283.8	270.4	251.7	229.2	206.2	183.3	161.6
77.5°	315.7	305.6	297.4	292.2	283.2	270.3	252.4	229.9	206.4	183.5	163.4
80°	316.0	306.9	298.5	292.6	282.8	271.2	254.2	231.2	207.5	184.8	165.9
82.5°	316.5	308.6	299.7	292.9	282.8	273.0	257.1	233.3	209.4	187.3	169.1
85°	317.3	310.5	301.0	293.3	283.1	275.3	260.9	236.1	212.1	190.8	173.0
87.5°	318.3	312.7	302.5	293.7	283.7	278.1	265.3	239.7	215.7	195.3	177.7
90°	319.4	315.0	304.1	294.3	284.5	281.2	270.3	244.2	220.2	200.6	183.1
92.5°	318.3	312.7	302.5	293.7	283.7	278.1	265.3	239.7	215.7	195.3	177.7
95°	317.3	310.5	301.0	293.3	283.1	275.3	260.9	236.1	212.1	190.8	173.0
97.5°	316.5	308.6	299.7	292.9	282.8	273.0	257.1	233.3	209.4	187.3	169.1
100°	316.0	306.9	298.5	292.6	282.8	271.2	254.2	231.2	207.5	184.8	165.9
102.5°	315.7	305.6	297.4	292.2	283.2	270.3	252.4	229.9	206.4	183.5	163.4
105°	315.9	304.6	296.3	291.6	283.8	270.4	251.7	229.2	206.2	183.3	161.6
107.5°	316.4	304.1	295.1	290.8	284.9	271.5	252.4	229.1	206.7	182.6	158.0
110°	317.5	304.1	293.9	289.8	284.5	269.1	247.5	221.9	198.5	175.8	153.2



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	313.0	297.2	283.3	275.3	269.9	255.2	235.3	212.2	189.9	168.7	148.1
115°	302.7	286.4	270.4	260.9	253.8	240.9	223.1	202.4	181.1	161.4	142.4
117.5°	292.9	276.2	259.6	247.7	238.5	227.1	211.0	192.2	172.1	153.8	136.2
120°	283.6	266.7	249.7	235.3	224.3	213.9	198.8	181.3	163.1	145.5	129.3
122.5°	275.1	257.8	240.4	223.9	211.1	200.3	186.3	170.2	153.5	136.8	121.7
125°	267.4	249.4	231.9	214.1	200.0	187.4	174.4	159.1	143.2	127.8	113.3
127.5°	260.6	241.8	224.2	206.3	190.1	175.8	162.8	148.1	133.0	121.6	111.5
130°	254.8	235.3	217.3	199.4	181.4	166.4	153.4	141.9	130.3	119.7	110.0
132.5°	250.2	230.2	210.7	192.9	175.7	160.8	148.0	137.4	127.0	117.0	108.0
135°	239.9	220.2	201.3	185.2	169.7	154.9	142.9	132.1	122.8	113.7	105.1
137.5°	226.2	208.7	192.0	176.5	162.6	149.4	137.2	126.9	117.7	109.4	101.6
140°	211.5	196.3	181.4	167.1	154.5	142.6	131.4	121.3	112.3	104.3	97.0
142.5°	195.1	182.5	169.7	157.1	145.2	134.6	124.6	115.2	106.6	98.8	91.6
145°	177.4	167.5	156.5	145.7	135.2	125.4	116.4	107.9	100.1	92.8	85.9
147.5°	158.8	150.5	141.7	132.7	123.8	115.1	106.9	99.2	92.0	85.5	79.4
150°	139.2	132.2	125.2	117.8	110.5	103.2	96.0	89.2	82.7	76.5	71.5
152.5°	118.6	112.7	107.0	101.1	95.1	89.2	83.4	77.7	74.1	70.6	67.0
155°	96.8	92.1	87.4	82.7	80.3	77.7	75.0	72.2	69.1	65.9	62.6
157.5°	81.6	79.6	77.5	75.3	73.2	70.9	68.6	66.1	63.5	60.9	58.0
160°	73.4	71.7	69.8	67.9	65.8	63.9	61.8	59.7	57.5	55.2	52.8
162.5°	65.1	63.6	62.1	60.4	58.7	56.8	54.8	53.0	51.1	49.2	47.2
165°	56.7	55.5	54.2	52.8	51.4	49.8	48.1	46.4	44.6	42.8	41.1
167.5°	47.9	47.1	46.1	45.0	43.8	42.6	41.3	40.0	38.5	36.9	35.3
170°	39.0	38.4	37.7	36.9	36.1	35.1	34.1	33.1	31.9	30.8	29.6
172.5°	29.9	29.4	28.9	28.4	27.8	27.2	26.5	25.8	25.0	24.2	23.3
175°	21.4	20.9	20.4	19.8	19.2	18.8	18.4	17.9	17.4	16.9	16.3
177.5°	12.6	12.4	12.1	11.8	11.6	11.3	11.0	10.6	10.3	10.0	9.6
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	9.2	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.6	5.2
5°	15.8	15.2	14.5	13.9	13.2	12.6	11.9	11.2	10.4	9.7	8.9
7.5°	22.4	21.4	20.4	19.4	18.4	17.3	16.2	15.1	14.0	12.8	11.7
10°	28.3	27.0	25.6	24.2	22.7	21.2	19.7	18.2	16.6	15.0	13.5
12.5°	33.6	31.9	30.2	28.5	26.9	25.2	23.5	21.8	20.1	18.3	16.5
15°	39.3	37.5	35.7	33.8	31.8	29.8	27.7	25.6	23.4	21.2	19.0
17.5°	45.1	42.9	40.7	38.4	36.0	33.7	31.2	28.7	26.2	23.7	21.1
20°	50.4	47.8	45.1	42.4	39.7	36.9	34.2	31.4	28.6	25.8	23.0
22.5°	55.0	52.1	49.1	46.1	43.0	40.0	36.9	33.9	31.0	28.0	24.9
25°	59.4	56.1	52.8	49.5	46.4	43.2	40.0	36.8	33.4	30.0	26.7
27.5°	63.4	60.1	56.8	53.4	49.9	46.2	42.6	38.9	35.4	31.9	28.3
30°	68.0	64.5	60.5	56.5	52.6	48.9	45.2	41.4	37.7	34.0	30.3
32.5°	73.4	67.8	63.7	59.8	55.9	52.0	48.2	44.4	40.5	36.5	32.5
35°	79.3	73.6	68.0	63.5	59.6	55.7	51.7	47.6	43.4	39.1	34.6
37.5°	85.1	79.0	73.5	68.4	63.7	59.5	55.1	50.4	45.8	41.1	36.4
40°	90.2	83.8	78.0	72.7	67.6	62.7	57.8	52.9	48.0	43.1	38.0
42.5°	94.2	87.6	81.4	75.5	70.0	65.0	60.4	55.2	49.4	43.7	38.3
45°	97.4	90.3	83.5	77.4	71.8	66.4	60.8	55.5	50.0	44.4	39.0
47.5°	99.7	92.0	85.0	78.6	72.2	65.9	60.4	55.5	50.9	45.4	39.9
50°	101.1	93.1	85.8	78.5	71.6	65.6	60.2	55.2	50.6	46.0	40.4
52.5°	102.2	93.8	85.5	77.9	71.2	65.2	59.7	54.4	49.6	45.1	39.9
55°	102.9	93.7	85.1	77.5	70.8	64.5	58.5	53.0	48.1	43.4	39.3
57.5°	107.4	93.9	84.7	77.1	70.0	63.0	57.2	51.9	47.0	42.5	38.2
60°	113.8	99.6	87.3	76.5	68.4	62.0	56.4	51.1	46.3	41.7	37.3
62.5°	119.5	104.4	92.1	79.7	69.0	61.6	55.9	50.7	45.8	41.3	36.5
65°	124.3	109.6	96.1	83.3	73.0	63.7	55.8	50.7	46.0	40.7	35.0
67.5°	129.2	114.7	99.7	87.5	76.6	66.8	58.4	51.7	45.8	39.8	34.2
70°	134.8	118.8	103.9	91.2	79.7	69.4	60.9	53.0	45.5	39.7	33.2
72.5°	140.4	123.3	108.2	94.9	82.6	71.7	62.6	52.9	45.1	38.3	31.9
75°	144.8	128.1	112.6	98.4	85.1	73.9	62.8	52.2	43.2	35.3	29.5
77.5°	146.3	129.8	114.8	101.0	87.5	75.6	62.5	50.7	40.5	32.1	25.6
80°	148.6	131.8	116.6	102.0	88.3	75.4	61.9	48.9	37.6	28.3	21.0
82.5°	151.7	134.3	119.0	103.4	89.2	75.3	61.2	48.3	36.2	25.3	16.3
85°	155.5	137.4	122.2	105.5	90.7	76.1	61.5	48.8	36.2	24.9	15.0
87.5°	160.2	141.3	126.1	108.4	92.8	77.9	62.9	50.5	37.1	25.5	15.1
90°	165.7	146.1	130.8	112.3	95.9	80.7	65.4	53.4	39.2	27.3	16.4
92.5°	160.2	141.3	126.1	108.4	92.8	77.9	62.9	50.5	37.1	25.5	15.1
95°	155.5	137.4	122.2	105.5	90.7	76.1	61.5	48.8	36.2	24.9	15.0
97.5°	151.7	134.3	119.0	103.4	89.2	75.3	61.2	48.3	36.2	25.3	16.3
100°	148.6	131.8	116.6	102.0	88.3	75.4	61.9	48.9	37.6	28.3	21.0
102.5°	146.3	129.8	114.8	101.0	87.5	75.6	62.5	50.7	40.5	32.1	25.6
105°	144.8	128.1	112.6	98.4	85.1	73.9	62.8	52.2	43.2	35.3	29.5
107.5°	140.4	123.3	108.2	94.9	82.6	71.7	62.6	52.9	45.1	38.3	31.9
110°	134.8	118.8	103.9	91.2	79.7	69.4	60.9	53.0	45.5	39.7	33.2



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	129.2	114.7	99.7	87.5	76.6	66.8	58.4	51.7	45.8	39.8	34.2
115°	124.3	109.6	96.1	83.3	73.0	63.7	55.8	50.7	46.0	40.7	35.0
117.5°	119.5	104.4	92.1	79.7	69.0	61.6	55.9	50.7	45.8	41.3	36.5
120°	113.8	99.6	87.3	76.5	68.4	62.0	56.4	51.1	46.3	41.7	37.3
122.5°	107.4	93.9	84.7	77.1	70.0	63.0	57.2	51.9	47.0	42.5	38.2
125°	102.9	93.7	85.1	77.5	70.8	64.5	58.5	53.0	48.1	43.4	39.3
127.5°	102.2	93.8	85.5	77.9	71.2	65.2	59.7	54.4	49.6	45.1	39.9
130°	101.1	93.1	85.8	78.5	71.6	65.6	60.2	55.2	50.6	46.0	40.4
132.5°	99.7	92.0	85.0	78.6	72.2	65.9	60.4	55.5	50.9	45.4	39.9
135°	97.4	90.3	83.5	77.4	71.8	66.4	60.8	55.5	50.0	44.4	39.0
137.5°	94.2	87.6	81.4	75.5	70.0	65.0	60.4	55.2	49.4	43.7	38.3
140°	90.2	83.8	78.0	72.7	67.6	62.7	57.8	52.9	48.0	43.1	38.0
142.5°	85.1	79.0	73.5	68.4	63.7	59.5	55.1	50.4	45.8	41.1	36.4
145°	79.3	73.6	68.0	63.5	59.6	55.7	51.7	47.6	43.4	39.1	34.6
147.5°	73.4	67.8	63.7	59.8	55.9	52.0	48.2	44.4	40.5	36.5	32.5
150°	68.0	64.5	60.5	56.5	52.6	48.9	45.2	41.4	37.7	34.0	30.3
152.5°	63.4	60.1	56.8	53.4	49.9	46.2	42.6	38.9	35.4	31.9	28.3
155°	59.4	56.1	52.8	49.5	46.4	43.2	40.0	36.8	33.4	30.0	26.7
157.5°	55.0	52.1	49.1	46.1	43.0	40.0	36.9	33.9	31.0	28.0	24.9
160°	50.4	47.8	45.1	42.4	39.7	36.9	34.2	31.4	28.6	25.8	23.0
162.5°	45.1	42.9	40.7	38.4	36.0	33.7	31.2	28.7	26.2	23.7	21.1
165°	39.3	37.5	35.7	33.8	31.8	29.8	27.7	25.6	23.4	21.2	19.0
167.5°	33.6	31.9	30.2	28.5	26.9	25.2	23.5	21.8	20.1	18.3	16.5
170°	28.3	27.0	25.6	24.2	22.7	21.2	19.7	18.2	16.6	15.0	13.5
172.5°	22.4	21.4	20.4	19.4	18.4	17.3	16.2	15.1	14.0	12.8	11.7
175°	15.8	15.2	14.5	13.9	13.2	12.6	11.9	11.2	10.4	9.7	8.9
177.5°	9.2	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.6	5.2
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.8	4.4	3.9	3.5	3.1	2.6	2.2	2.6	3.1	3.5	3.9
5°	8.1	7.4	6.6	5.8	4.9	4.1	3.3	4.1	4.9	5.8	6.6
7.5°	10.5	9.3	8.1	6.9	5.7	4.5	3.3	4.5	5.7	6.9	8.1
10°	11.9	10.3	8.6	7.0	5.4	3.8	2.2	3.8	5.4	7.0	8.6
12.5°	14.6	12.8	10.9	9.0	7.1	5.2	3.3	5.2	7.1	9.0	10.9
15°	16.8	14.6	12.4	10.1	7.8	5.6	3.3	5.6	7.8	10.1	12.4
17.5°	18.6	16.1	13.5	11.0	8.4	5.9	3.3	5.9	8.4	11.0	13.5
20°	20.2	17.4	14.6	11.8	8.9	6.1	3.3	6.1	8.9	11.8	14.6
22.5°	21.9	18.8	15.7	12.6	9.5	6.4	3.3	6.4	9.5	12.6	15.7
25°	23.3	20.0	16.6	13.3	10.0	6.6	3.3	6.6	10.0	13.3	16.6
27.5°	24.8	21.2	17.6	14.1	10.5	6.9	3.3	6.9	10.5	14.1	17.6
30°	26.5	22.7	18.9	15.0	11.1	7.2	3.3	7.2	11.1	15.0	18.9
32.5°	28.5	24.3	20.2	16.0	11.8	7.5	3.3	7.5	11.8	16.0	20.2
35°	30.2	25.7	21.2	16.8	12.3	7.8	3.3	7.8	12.3	16.8	21.2
37.5°	31.7	27.0	22.2	17.5	12.8	8.0	3.3	8.0	12.8	17.5	22.2
40°	32.7	27.6	22.6	17.7	12.9	8.1	3.3	8.1	12.9	17.7	22.6
42.5°	33.1	28.0	23.0	18.0	13.1	8.2	3.3	8.2	13.1	18.0	23.0
45°	33.8	28.7	23.8	18.9	14.0	9.2	4.4	9.2	14.0	18.9	23.8
47.5°	34.6	29.3	24.2	19.2	14.2	9.3	4.4	9.3	14.2	19.2	24.2
50°	34.8	29.3	24.0	18.9	14.0	9.2	4.4	9.2	14.0	18.9	24.0
52.5°	34.1	28.8	23.7	18.8	13.9	9.1	4.4	9.1	13.9	18.8	23.7
55°	34.1	28.8	23.6	18.6	13.8	9.1	4.4	9.1	13.8	18.6	23.6
57.5°	33.9	28.4	23.3	18.3	13.6	9.0	4.4	9.0	13.6	18.3	23.3
60°	32.9	27.9	22.5	17.6	13.0	8.6	4.4	8.6	13.0	17.6	22.5
62.5°	31.3	26.2	21.0	16.3	12.1	8.1	4.4	8.1	12.1	16.3	21.0
65°	29.6	24.2	19.4	15.1	11.3	7.8	4.4	7.8	11.3	15.1	19.4
67.5°	28.4	22.9	18.0	14.0	10.5	7.4	4.4	7.4	10.5	14.0	18.0
70°	26.9	21.6	16.6	12.1	8.9	6.5	4.4	6.5	8.9	12.1	16.6
72.5°	25.8	20.0	14.4	10.0	8.0	6.6	5.5	6.6	8.0	10.0	14.4
75°	24.7	18.6	13.4	9.2	6.9	6.0	5.5	6.0	6.9	9.2	13.4
77.5°	20.9	17.4	12.0	6.9	2.4	0.6	0.0	0.6	2.4	6.9	12.0
80°	15.6	12.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
82.5°	10.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	6.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	7.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	15.6	12.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
102.5°	20.9	17.4	12.0	6.9	2.4	0.6	0.0	0.6	2.4	6.9	12.0
105°	24.7	18.6	13.4	9.2	6.9	6.0	5.5	6.0	6.9	9.2	13.4
107.5°	25.8	20.0	14.4	10.0	8.0	6.6	5.5	6.6	8.0	10.0	14.4
110°	26.9	21.6	16.6	12.1	8.9	6.5	4.4	6.5	8.9	12.1	16.6



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	28.4	22.9	18.0	14.0	10.5	7.4	4.4	7.4	10.5	14.0	18.0
115°	29.6	24.2	19.4	15.1	11.3	7.8	4.4	7.8	11.3	15.1	19.4
117.5°	31.3	26.2	21.0	16.3	12.1	8.1	4.4	8.1	12.1	16.3	21.0
120°	32.9	27.9	22.5	17.6	13.0	8.6	4.4	8.6	13.0	17.6	22.5
122.5°	33.9	28.4	23.3	18.3	13.6	9.0	4.4	9.0	13.6	18.3	23.3
125°	34.1	28.8	23.6	18.6	13.8	9.1	4.4	9.1	13.8	18.6	23.6
127.5°	34.1	28.8	23.7	18.8	13.9	9.1	4.4	9.1	13.9	18.8	23.7
130°	34.8	29.3	24.0	18.9	14.0	9.2	4.4	9.2	14.0	18.9	24.0
132.5°	34.6	29.3	24.2	19.2	14.2	9.3	4.4	9.3	14.2	19.2	24.2
135°	33.8	28.7	23.8	18.9	14.0	9.2	4.4	9.2	14.0	18.9	23.8
137.5°	33.1	28.0	23.0	18.0	13.1	8.2	3.3	8.2	13.1	18.0	23.0
140°	32.7	27.6	22.6	17.7	12.9	8.1	3.3	8.1	12.9	17.7	22.6
142.5°	31.7	27.0	22.2	17.5	12.8	8.0	3.3	8.0	12.8	17.5	22.2
145°	30.2	25.7	21.2	16.8	12.3	7.8	3.3	7.8	12.3	16.8	21.2
147.5°	28.5	24.3	20.2	16.0	11.8	7.5	3.3	7.5	11.8	16.0	20.2
150°	26.5	22.7	18.9	15.0	11.1	7.2	3.3	7.2	11.1	15.0	18.9
152.5°	24.8	21.2	17.6	14.1	10.5	6.9	3.3	6.9	10.5	14.1	17.6
155°	23.3	20.0	16.6	13.3	10.0	6.6	3.3	6.6	10.0	13.3	16.6
157.5°	21.9	18.8	15.7	12.6	9.5	6.4	3.3	6.4	9.5	12.6	15.7
160°	20.2	17.4	14.6	11.8	8.9	6.1	3.3	6.1	8.9	11.8	14.6
162.5°	18.6	16.1	13.5	11.0	8.4	5.9	3.3	5.9	8.4	11.0	13.5
165°	16.8	14.6	12.4	10.1	7.8	5.6	3.3	5.6	7.8	10.1	12.4
167.5°	14.6	12.8	10.9	9.0	7.1	5.2	3.3	5.2	7.1	9.0	10.9
170°	11.9	10.3	8.6	7.0	5.4	3.8	2.2	3.8	5.4	7.0	8.6
172.5°	10.5	9.3	8.1	6.9	5.7	4.5	3.3	4.5	5.7	6.9	8.1
175°	8.1	7.4	6.6	5.8	4.9	4.1	3.3	4.1	4.9	5.8	6.6
177.5°	4.8	4.4	3.9	3.5	3.1	2.6	2.2	2.6	3.1	3.5	3.9
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.4	4.8	5.2	5.6	6.1	6.5	6.9	7.3	7.7	8.1	8.5
5°	7.4	8.1	8.9	9.7	10.4	11.2	11.9	12.6	13.2	13.9	14.5
7.5°	9.3	10.5	11.7	12.8	14.0	15.1	16.2	17.3	18.4	19.4	20.4
10°	10.3	11.9	13.5	15.0	16.6	18.2	19.7	21.2	22.7	24.2	25.6
12.5°	12.8	14.6	16.5	18.3	20.1	21.8	23.5	25.2	26.9	28.5	30.2
15°	14.6	16.8	19.0	21.2	23.4	25.6	27.7	29.8	31.8	33.8	35.7
17.5°	16.1	18.6	21.1	23.7	26.2	28.7	31.2	33.7	36.0	38.4	40.7
20°	17.4	20.2	23.0	25.8	28.6	31.4	34.2	36.9	39.7	42.4	45.1
22.5°	18.8	21.9	24.9	28.0	31.0	33.9	36.9	40.0	43.0	46.1	49.1
25°	20.0	23.3	26.7	30.0	33.4	36.8	40.0	43.2	46.4	49.5	52.8
27.5°	21.2	24.8	28.3	31.9	35.4	38.9	42.6	46.2	49.9	53.4	56.8
30°	22.7	26.5	30.3	34.0	37.7	41.4	45.2	48.9	52.6	56.5	60.5
32.5°	24.3	28.5	32.5	36.5	40.5	44.4	48.2	52.0	55.9	59.8	63.7
35°	25.7	30.2	34.6	39.1	43.4	47.6	51.7	55.7	59.6	63.5	68.0
37.5°	27.0	31.7	36.4	41.1	45.8	50.4	55.1	59.5	63.7	68.4	73.5
40°	27.6	32.7	38.0	43.1	48.0	52.9	57.8	62.7	67.6	72.7	78.0
42.5°	28.0	33.1	38.3	43.7	49.4	55.2	60.4	65.0	70.0	75.5	81.4
45°	28.7	33.8	39.0	44.4	50.0	55.5	60.8	66.4	71.8	77.4	83.5
47.5°	29.3	34.6	39.9	45.4	50.9	55.5	60.4	65.9	72.2	78.6	85.0
50°	29.3	34.8	40.4	46.0	50.6	55.2	60.2	65.6	71.6	78.5	85.8
52.5°	28.8	34.1	39.9	45.1	49.6	54.4	59.7	65.2	71.2	77.9	85.5
55°	28.8	34.1	39.3	43.4	48.1	53.0	58.5	64.5	70.8	77.5	85.1
57.5°	28.4	33.9	38.2	42.5	47.0	51.9	57.2	63.0	70.0	77.1	84.7
60°	27.9	32.9	37.3	41.7	46.3	51.1	56.4	62.0	68.4	76.5	87.3
62.5°	26.2	31.3	36.5	41.3	45.8	50.7	55.9	61.6	69.0	79.7	92.1
65°	24.2	29.6	35.0	40.7	46.0	50.7	55.8	63.7	73.0	83.3	96.1
67.5°	22.9	28.4	34.2	39.8	45.8	51.7	58.4	66.8	76.6	87.5	99.7
70°	21.6	26.9	33.2	39.7	45.5	53.0	60.9	69.4	79.7	91.2	103.9
72.5°	20.0	25.8	31.9	38.3	45.1	52.9	62.6	71.7	82.6	94.9	108.2
75°	18.6	24.7	29.5	35.3	43.2	52.2	62.8	73.9	85.1	98.4	112.6
77.5°	17.4	20.9	25.6	32.1	40.5	50.7	62.5	75.6	87.5	101.0	114.8
80°	12.2	15.6	21.0	28.3	37.6	48.9	61.9	75.4	88.3	102.0	116.6
82.5°	6.0	10.3	16.3	25.3	36.2	48.3	61.2	75.3	89.2	103.4	119.0
85°	1.7	7.1	15.0	24.9	36.2	48.8	61.5	76.1	90.7	105.5	122.2
87.5°	0.6	6.9	15.1	25.5	37.1	50.5	62.9	77.9	92.8	108.4	126.1
90°	0.0	7.6	16.4	27.3	39.2	53.4	65.4	80.7	95.9	112.3	130.8
92.5°	0.6	6.9	15.1	25.5	37.1	50.5	62.9	77.9	92.8	108.4	126.1
95°	1.7	7.1	15.0	24.9	36.2	48.8	61.5	76.1	90.7	105.5	122.2
97.5°	6.0	10.3	16.3	25.3	36.2	48.3	61.2	75.3	89.2	103.4	119.0
100°	12.2	15.6	21.0	28.3	37.6	48.9	61.9	75.4	88.3	102.0	116.6
102.5°	17.4	20.9	25.6	32.1	40.5	50.7	62.5	75.6	87.5	101.0	114.8
105°	18.6	24.7	29.5	35.3	43.2	52.2	62.8	73.9	85.1	98.4	112.6
107.5°	20.0	25.8	31.9	38.3	45.1	52.9	62.6	71.7	82.6	94.9	108.2
110°	21.6	26.9	33.2	39.7	45.5	53.0	60.9	69.4	79.7	91.2	103.9



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	22.9	28.4	34.2	39.8	45.8	51.7	58.4	66.8	76.6	87.5	99.7
115°	24.2	29.6	35.0	40.7	46.0	50.7	55.8	63.7	73.0	83.3	96.1
117.5°	26.2	31.3	36.5	41.3	45.8	50.7	55.9	61.6	69.0	79.7	92.1
120°	27.9	32.9	37.3	41.7	46.3	51.1	56.4	62.0	68.4	76.5	87.3
122.5°	28.4	33.9	38.2	42.5	47.0	51.9	57.2	63.0	70.0	77.1	84.7
125°	28.8	34.1	39.3	43.4	48.1	53.0	58.5	64.5	70.8	77.5	85.1
127.5°	28.8	34.1	39.9	45.1	49.6	54.4	59.7	65.2	71.2	77.9	85.5
130°	29.3	34.8	40.4	46.0	50.6	55.2	60.2	65.6	71.6	78.5	85.8
132.5°	29.3	34.6	39.9	45.4	50.9	55.5	60.4	65.9	72.2	78.6	85.0
135°	28.7	33.8	39.0	44.4	50.0	55.5	60.8	66.4	71.8	77.4	83.5
137.5°	28.0	33.1	38.3	43.7	49.4	55.2	60.4	65.0	70.0	75.5	81.4
140°	27.6	32.7	38.0	43.1	48.0	52.9	57.8	62.7	67.6	72.7	78.0
142.5°	27.0	31.7	36.4	41.1	45.8	50.4	55.1	59.5	63.7	68.4	73.5
145°	25.7	30.2	34.6	39.1	43.4	47.6	51.7	55.7	59.6	63.5	68.0
147.5°	24.3	28.5	32.5	36.5	40.5	44.4	48.2	52.0	55.9	59.8	63.7
150°	22.7	26.5	30.3	34.0	37.7	41.4	45.2	48.9	52.6	56.5	60.5
152.5°	21.2	24.8	28.3	31.9	35.4	38.9	42.6	46.2	49.9	53.4	56.8
155°	20.0	23.3	26.7	30.0	33.4	36.8	40.0	43.2	46.4	49.5	52.8
157.5°	18.8	21.9	24.9	28.0	31.0	33.9	36.9	40.0	43.0	46.1	49.1
160°	17.4	20.2	23.0	25.8	28.6	31.4	34.2	36.9	39.7	42.4	45.1
162.5°	16.1	18.6	21.1	23.7	26.2	28.7	31.2	33.7	36.0	38.4	40.7
165°	14.6	16.8	19.0	21.2	23.4	25.6	27.7	29.8	31.8	33.8	35.7
167.5°	12.8	14.6	16.5	18.3	20.1	21.8	23.5	25.2	26.9	28.5	30.2
170°	10.3	11.9	13.5	15.0	16.6	18.2	19.7	21.2	22.7	24.2	25.6
172.5°	9.3	10.5	11.7	12.8	14.0	15.1	16.2	17.3	18.4	19.4	20.4
175°	7.4	8.1	8.9	9.7	10.4	11.2	11.9	12.6	13.2	13.9	14.5
177.5°	4.4	4.8	5.2	5.6	6.1	6.5	6.9	7.3	7.7	8.1	8.5
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	8.9	9.2	9.6	10.0	10.3	10.6	11.0	11.3	11.6	11.8	12.1
5°	15.2	15.8	16.3	16.9	17.4	17.9	18.4	18.8	19.2	19.8	20.4
7.5°	21.4	22.4	23.3	24.2	25.0	25.8	26.5	27.2	27.8	28.4	28.9
10°	27.0	28.3	29.6	30.8	31.9	33.1	34.1	35.1	36.1	36.9	37.7
12.5°	31.9	33.6	35.3	36.9	38.5	40.0	41.3	42.6	43.8	45.0	46.1
15°	37.5	39.3	41.1	42.8	44.6	46.4	48.1	49.8	51.4	52.8	54.2
17.5°	42.9	45.1	47.2	49.2	51.1	53.0	54.8	56.8	58.7	60.4	62.1
20°	47.8	50.4	52.8	55.2	57.5	59.7	61.8	63.9	65.8	67.9	69.8
22.5°	52.1	55.0	58.0	60.9	63.5	66.1	68.6	70.9	73.2	75.3	77.5
25°	56.1	59.4	62.6	65.9	69.1	72.2	75.0	77.7	80.3	82.7	87.4
27.5°	60.1	63.4	67.0	70.6	74.1	77.7	83.4	89.2	95.1	101.1	107.0
30°	64.5	68.0	71.5	76.5	82.7	89.2	96.0	103.2	110.5	117.8	125.2
32.5°	67.8	73.4	79.4	85.5	92.0	99.2	106.9	115.1	123.8	132.7	141.7
35°	73.6	79.3	85.9	92.8	100.1	107.9	116.4	125.4	135.2	145.7	156.5
37.5°	79.0	85.1	91.6	98.8	106.6	115.2	124.6	134.6	145.2	157.1	169.7
40°	83.8	90.2	97.0	104.3	112.3	121.3	131.4	142.6	154.5	167.1	181.4
42.5°	87.6	94.2	101.6	109.4	117.7	126.9	137.2	149.4	162.6	176.5	192.0
45°	90.3	97.4	105.1	113.7	122.8	132.1	142.9	154.9	169.7	185.2	201.3
47.5°	92.0	99.7	108.0	117.0	127.0	137.4	148.0	160.8	175.7	192.9	210.7
50°	93.1	101.1	110.0	119.7	130.3	141.9	153.4	166.4	181.4	199.4	217.3
52.5°	93.8	102.2	111.5	121.6	133.0	148.1	162.8	175.8	190.1	206.3	224.2
55°	93.7	102.9	113.3	127.8	143.2	159.1	174.4	187.4	200.0	214.1	231.9
57.5°	93.9	107.4	121.7	136.8	153.5	170.2	186.3	200.3	211.1	223.9	240.4
60°	99.6	113.8	129.3	145.5	163.1	181.3	198.8	213.9	224.3	235.3	249.7
62.5°	104.4	119.5	136.2	153.8	172.1	192.2	211.0	227.1	238.5	247.7	259.6
65°	109.6	124.3	142.4	161.4	181.1	202.4	223.1	240.9	253.8	260.9	270.4
67.5°	114.7	129.2	148.1	168.7	189.9	212.2	235.3	255.2	269.9	275.3	283.3
70°	118.8	134.8	153.2	175.8	198.5	221.9	247.5	269.1	284.5	289.8	293.9
72.5°	123.3	140.4	158.0	182.6	206.7	229.1	252.4	271.5	284.9	290.8	295.1
75°	128.1	144.8	161.6	183.3	206.2	229.2	251.7	270.4	283.8	291.6	296.3
77.5°	129.8	146.3	163.4	183.5	206.4	229.9	252.4	270.3	283.2	292.2	297.4
80°	131.8	148.6	165.9	184.8	207.5	231.2	254.2	271.2	282.8	292.6	298.5
82.5°	134.3	151.7	169.1	187.3	209.4	233.3	257.1	273.0	282.8	292.9	299.7
85°	137.4	155.5	173.0	190.8	212.1	236.1	260.9	275.3	283.1	293.3	301.0
87.5°	141.3	160.2	177.7	195.3	215.7	239.7	265.3	278.1	283.7	293.7	302.5
90°	146.1	165.7	183.1	200.6	220.2	244.2	270.3	281.2	284.5	294.3	304.1
92.5°	141.3	160.2	177.7	195.3	215.7	239.7	265.3	278.1	283.7	293.7	302.5
95°	137.4	155.5	173.0	190.8	212.1	236.1	260.9	275.3	283.1	293.3	301.0
97.5°	134.3	151.7	169.1	187.3	209.4	233.3	257.1	273.0	282.8	292.9	299.7
100°	131.8	148.6	165.9	184.8	207.5	231.2	254.2	271.2	282.8	292.6	298.5
102.5°	129.8	146.3	163.4	183.5	206.4	229.9	252.4	270.3	283.2	292.2	297.4
105°	128.1	144.8	161.6	183.3	206.2	229.2	251.7	270.4	283.8	291.6	296.3
107.5°	123.3	140.4	158.0	182.6	206.7	229.1	252.4	271.5	284.9	290.8	295.1
110°	118.8	134.8	153.2	175.8	198.5	221.9	247.5	269.1	284.5	289.8	293.9



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	114.7	129.2	148.1	168.7	189.9	212.2	235.3	255.2	269.9	275.3	283.3
115°	109.6	124.3	142.4	161.4	181.1	202.4	223.1	240.9	253.8	260.9	270.4
117.5°	104.4	119.5	136.2	153.8	172.1	192.2	211.0	227.1	238.5	247.7	259.6
120°	99.6	113.8	129.3	145.5	163.1	181.3	198.8	213.9	224.3	235.3	249.7
122.5°	93.9	107.4	121.7	136.8	153.5	170.2	186.3	200.3	211.1	223.9	240.4
125°	93.7	102.9	113.3	127.8	143.2	159.1	174.4	187.4	200.0	214.1	231.9
127.5°	93.8	102.2	111.5	121.6	133.0	148.1	162.8	175.8	190.1	206.3	224.2
130°	93.1	101.1	110.0	119.7	130.3	141.9	153.4	166.4	181.4	199.4	217.3
132.5°	92.0	99.7	108.0	117.0	127.0	137.4	148.0	160.8	175.7	192.9	210.7
135°	90.3	97.4	105.1	113.7	122.8	132.1	142.9	154.9	169.7	185.2	201.3
137.5°	87.6	94.2	101.6	109.4	117.7	126.9	137.2	149.4	162.6	176.5	192.0
140°	83.8	90.2	97.0	104.3	112.3	121.3	131.4	142.6	154.5	167.1	181.4
142.5°	79.0	85.1	91.6	98.8	106.6	115.2	124.6	134.6	145.2	157.1	169.7
145°	73.6	79.3	85.9	92.8	100.1	107.9	116.4	125.4	135.2	145.7	156.5
147.5°	67.8	73.4	79.4	85.5	92.0	99.2	106.9	115.1	123.8	132.7	141.7
150°	64.5	68.0	71.5	76.5	82.7	89.2	96.0	103.2	110.5	117.8	125.2
152.5°	60.1	63.4	67.0	70.6	74.1	77.7	83.4	89.2	95.1	101.1	107.0
155°	56.1	59.4	62.6	65.9	69.1	72.2	75.0	77.7	80.3	82.7	87.4
157.5°	52.1	55.0	58.0	60.9	63.5	66.1	68.6	70.9	73.2	75.3	77.5
160°	47.8	50.4	52.8	55.2	57.5	59.7	61.8	63.9	65.8	67.9	69.8
162.5°	42.9	45.1	47.2	49.2	51.1	53.0	54.8	56.8	58.7	60.4	62.1
165°	37.5	39.3	41.1	42.8	44.6	46.4	48.1	49.8	51.4	52.8	54.2
167.5°	31.9	33.6	35.3	36.9	38.5	40.0	41.3	42.6	43.8	45.0	46.1
170°	27.0	28.3	29.6	30.8	31.9	33.1	34.1	35.1	36.1	36.9	37.7
172.5°	21.4	22.4	23.3	24.2	25.0	25.8	26.5	27.2	27.8	28.4	28.9
175°	15.2	15.8	16.3	16.9	17.4	17.9	18.4	18.8	19.2	19.8	20.4
177.5°	8.9	9.2	9.6	10.0	10.3	10.6	11.0	11.3	11.6	11.8	12.1
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	12.4	12.6	12.8	13.0	13.2	13.4	13.5	13.6	13.7	13.8	15.4
5°	20.9	21.4	21.9	22.4	22.8	23.2	23.5	23.8	24.1	24.4	27.5
7.5°	29.4	29.9	30.6	31.4	32.1	32.7	33.4	33.9	34.4	34.9	39.5
10°	38.4	39.0	39.6	40.1	41.1	42.1	43.0	43.9	44.7	45.4	51.4
12.5°	47.1	47.9	48.7	49.4	50.1	51.2	52.5	53.7	54.9	56.0	63.2
15°	55.5	56.7	57.7	58.6	59.4	60.2	61.8	63.5	65.0	66.5	75.0
17.5°	63.6	65.1	66.4	67.6	68.7	69.6	70.9	73.1	75.1	77.0	86.6
20°	71.7	73.4	74.9	76.5	77.7	78.9	80.1	82.6	85.1	87.6	98.2
22.5°	79.6	81.6	83.4	85.1	86.7	88.2	89.5	92.0	95.1	98.1	109.7
25°	92.1	96.8	101.2	105.5	109.6	113.4	116.9	120.8	125.5	129.7	142.5
27.5°	112.7	118.6	124.3	129.9	135.1	140.2	145.1	149.9	155.9	161.3	175.5
30°	132.2	139.2	146.3	153.3	159.9	166.3	172.7	178.8	186.1	192.9	208.4
32.5°	150.5	158.8	167.2	175.8	184.0	191.9	199.9	207.6	216.2	224.5	241.4
35°	167.5	177.4	187.2	197.4	207.4	217.0	226.6	236.1	246.3	256.2	274.4
37.5°	182.5	195.1	206.4	218.2	230.6	241.5	252.8	264.4	276.2	287.8	307.3
40°	196.3	211.5	224.9	238.2	252.1	265.5	278.6	292.3	306.0	319.4	340.3
42.5°	208.7	226.2	242.6	258.1	273.5	289.1	304.6	320.0	335.7	351.0	373.2
45°	220.2	239.9	259.7	276.5	294.3	312.2	329.4	347.4	365.3	382.6	406.1
47.5°	230.2	250.2	270.3	287.1	303.8	321.5	339.4	359.1	379.7	400.5	428.0
50°	235.3	254.8	274.7	292.5	309.3	327.8	347.7	369.8	393.8	418.4	449.9
52.5°	241.8	260.6	279.9	298.4	314.9	334.2	355.7	380.3	407.7	436.4	471.9
55°	249.4	267.4	285.9	304.6	321.0	340.7	363.6	390.5	421.4	454.3	494.1
57.5°	257.8	275.1	292.5	311.0	327.6	347.3	371.3	400.5	435.0	472.2	516.3
60°	266.7	283.6	300.6	317.8	334.4	354.1	379.0	410.4	448.5	490.1	538.7
62.5°	276.2	292.9	308.4	325.1	341.6	360.9	386.6	420.1	461.9	508.1	561.2
65°	286.4	302.7	317.4	332.9	349.0	367.9	394.1	429.8	475.2	526.0	583.7
67.5°	297.2	313.0	327.1	341.1	356.6	375.0	401.6	439.3	488.5	543.9	606.2
70°	304.1	317.5	329.7	341.6	355.6	372.9	399.2	436.7	486.2	544.5	609.9
72.5°	304.1	316.4	328.2	339.2	352.5	369.6	396.2	433.9	483.8	545.1	613.5
75°	304.6	315.9	326.9	337.1	349.7	366.5	393.5	431.3	481.5	545.7	619.5
77.5°	305.6	315.7	325.9	335.2	346.9	363.4	391.0	428.8	479.3	546.3	622.2
80°	306.9	316.0	325.1	333.7	344.4	360.6	388.6	426.6	477.2	547.0	624.8
82.5°	308.6	316.5	324.6	332.3	342.0	357.9	386.5	424.6	475.2	547.6	627.5
85°	310.5	317.3	324.1	331.1	339.7	355.4	384.6	422.8	473.2	548.2	630.2
87.5°	312.7	318.3	323.9	330.1	337.6	353.1	383.0	421.1	471.5	548.8	632.8
90°	315.0	319.4	323.7	329.2	335.7	351.0	381.5	419.7	469.8	549.4	635.5
92.5°	312.7	318.3	323.9	330.1	337.6	353.1	383.0	421.1	471.5	548.8	632.8
95°	310.5	317.3	324.1	331.1	339.7	355.4	384.6	422.8	473.2	548.2	630.2
97.5°	308.6	316.5	324.6	332.3	342.0	357.9	386.5	424.6	475.2	547.6	627.5
100°	306.9	316.0	325.1	333.7	344.4	360.6	388.6	426.6	477.2	547.0	624.8
102.5°	305.6	315.7	325.9	335.2	346.9	363.4	391.0	428.8	479.3	546.3	622.2
105°	304.6	315.9	326.9	337.1	349.7	366.5	393.5	431.3	481.5	545.7	619.5
107.5°	304.1	316.4	328.2	339.2	352.5	369.6	396.2	433.9	483.8	545.1	613.5
110°	304.1	317.5	329.7	341.6	355.6	372.9	399.2	436.7	486.2	544.5	609.9



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	297.2	313.0	327.1	341.1	356.6	375.0	401.6	439.3	488.5	543.9	606.2
115°	286.4	302.7	317.4	332.9	349.0	367.9	394.1	429.8	475.2	526.0	583.7
117.5°	276.2	292.9	308.4	325.1	341.6	360.9	386.6	420.1	461.9	508.1	561.2
120°	266.7	283.6	300.6	317.8	334.4	354.1	379.0	410.4	448.5	490.1	538.7
122.5°	257.8	275.1	292.5	311.0	327.6	347.3	371.3	400.5	435.0	472.2	516.3
125°	249.4	267.4	285.9	304.6	321.0	340.7	363.6	390.5	421.4	454.3	494.1
127.5°	241.8	260.6	279.9	298.4	314.9	334.2	355.7	380.3	407.7	436.4	471.9
130°	235.3	254.8	274.7	292.5	309.3	327.8	347.7	369.8	393.8	418.4	449.9
132.5°	230.2	250.2	270.3	287.1	303.8	321.5	339.4	359.1	379.7	400.5	428.0
135°	220.2	239.9	259.7	276.5	294.3	312.2	329.4	347.4	365.3	382.6	406.1
137.5°	208.7	226.2	242.6	258.1	273.5	289.1	304.6	320.0	335.7	351.0	373.2
140°	196.3	211.5	224.9	238.2	252.1	265.5	278.6	292.3	306.0	319.4	340.3
142.5°	182.5	195.1	206.4	218.2	230.6	241.5	252.8	264.4	276.2	287.8	307.3
145°	167.5	177.4	187.2	197.4	207.4	217.0	226.6	236.1	246.3	256.2	274.4
147.5°	150.5	158.8	167.2	175.8	184.0	191.9	199.9	207.6	216.2	224.5	241.4
150°	132.2	139.2	146.3	153.3	159.9	166.3	172.7	178.8	186.1	192.9	208.4
152.5°	112.7	118.6	124.3	129.9	135.1	140.2	145.1	149.9	155.9	161.3	175.5
155°	92.1	96.8	101.2	105.5	109.6	113.4	116.9	120.8	125.5	129.7	142.5
157.5°	79.6	81.6	83.4	85.1	86.7	88.2	89.5	92.0	95.1	98.1	109.7
160°	71.7	73.4	74.9	76.5	77.7	78.9	80.1	82.6	85.1	87.6	98.2
162.5°	63.6	65.1	66.4	67.6	68.7	69.6	70.9	73.1	75.1	77.0	86.6
165°	55.5	56.7	57.7	58.6	59.4	60.2	61.8	63.5	65.0	66.5	75.0
167.5°	47.1	47.9	48.7	49.4	50.1	51.2	52.5	53.7	54.9	56.0	63.2
170°	38.4	39.0	39.6	40.1	41.1	42.1	43.0	43.9	44.7	45.4	51.4
172.5°	29.4	29.9	30.6	31.4	32.1	32.7	33.4	33.9	34.4	34.9	39.5
175°	20.9	21.4	21.9	22.4	22.8	23.2	23.5	23.8	24.1	24.4	27.5
177.5°	12.4	12.6	12.8	13.0	13.2	13.4	13.5	13.6	13.7	13.8	15.4
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	17.0	18.6	20.1	21.6	23.1	24.6	26.0	27.3	28.6	29.9	31.1
5°	30.6	33.7	36.7	39.6	42.5	45.3	48.1	50.7	53.3	55.8	58.2
7.5°	44.1	48.5	52.9	57.2	61.4	65.6	69.7	74.1	78.4	82.6	86.6
10°	57.3	63.1	68.8	74.4	80.1	86.1	92.1	97.9	103.5	109.0	114.6
12.5°	70.4	77.5	84.4	91.6	99.2	106.6	113.9	121.0	127.5	133.4	138.9
15°	83.4	91.6	99.8	108.9	117.8	126.5	135.0	142.8	150.3	157.5	165.3
17.5°	96.1	105.4	115.5	125.8	135.9	145.9	155.5	164.8	173.8	182.8	191.6
20°	108.7	119.1	130.8	142.3	153.6	165.3	176.6	187.5	198.7	209.5	219.7
22.5°	121.1	133.0	145.8	158.3	171.7	185.1	198.1	211.5	224.5	236.8	248.6
25°	154.7	167.4	180.2	192.6	205.4	217.7	230.2	242.3	253.9	265.4	279.0
27.5°	189.0	203.3	217.3	231.1	244.7	258.2	271.7	284.5	297.0	308.8	317.7
30°	223.3	239.2	254.6	269.1	284.2	298.0	312.2	325.7	338.6	348.7	357.5
32.5°	257.8	274.9	291.2	306.4	321.6	337.1	351.7	365.5	377.3	386.9	392.3
35°	292.3	310.6	327.5	343.2	359.4	376.4	390.0	403.7	414.1	421.8	422.9
37.5°	326.7	346.2	363.4	379.4	396.5	412.5	427.2	439.3	451.1	451.8	452.0
40°	361.0	381.6	398.8	415.6	433.0	448.6	462.8	474.1	480.1	481.0	477.9
42.5°	395.3	416.9	433.7	451.1	468.8	483.7	496.7	508.2	508.9	507.4	503.0
45°	429.4	451.4	468.2	486.2	503.2	517.8	529.8	536.7	537.1	532.5	528.4
47.5°	456.0	482.5	504.8	528.0	547.5	562.2	571.6	568.6	562.6	556.9	553.2
50°	482.7	514.4	543.6	574.6	601.1	622.6	638.2	640.9	634.2	619.7	600.2
52.5°	509.8	547.4	584.3	623.4	657.5	686.4	707.6	718.7	719.1	707.5	691.3
55°	537.3	581.4	626.7	674.0	716.6	753.3	781.8	800.8	808.5	798.0	778.4
57.5°	565.2	616.3	670.4	726.3	777.8	823.0	860.5	888.2	898.2	887.4	861.6
60°	593.4	651.9	715.4	780.3	840.8	895.2	943.1	980.4	990.0	972.6	945.9
62.5°	621.8	688.2	761.3	835.8	905.5	969.7	1028.7	1076.8	1083.6	1055.0	1026.2
65°	650.4	724.9	808.2	892.4	971.8	1046.7	1116.8	1170.7	1178.4	1134.9	1102.6
67.5°	679.1	762.1	855.6	950.0	1039.3	1125.8	1207.5	1263.0	1262.6	1214.0	1175.7
70°	685.2	769.4	865.8	965.1	1061.9	1161.2	1258.6	1324.7	1329.6	1288.9	1247.9
72.5°	690.4	773.6	869.7	969.0	1066.0	1168.6	1269.0	1336.6	1348.5	1325.1	1294.9
75°	695.3	777.1	872.6	971.8	1068.7	1175.0	1278.3	1350.8	1374.2	1365.7	1339.9
77.5°	699.9	780.0	874.4	973.4	1070.2	1180.2	1286.5	1366.9	1405.5	1409.9	1385.5
80°	706.7	782.3	875.4	973.9	1070.4	1184.3	1293.5	1384.0	1441.0	1456.9	1431.9
82.5°	709.6	785.9	878.6	973.4	1069.5	1187.0	1299.0	1401.5	1479.3	1505.9	1479.1
85°	712.5	785.9	876.1	973.7	1069.5	1191.6	1306.7	1422.8	1519.1	1556.2	1527.0
87.5°	715.4	785.9	873.5	969.8	1064.5	1188.8	1306.3	1435.7	1560.0	1607.3	1575.4
90°	718.3	785.9	870.9	965.8	1059.5	1186.0	1305.9	1448.7	1596.9	1656.9	1625.3
92.5°	715.4	785.9	873.5	969.8	1064.5	1188.8	1306.3	1435.7	1560.0	1607.3	1575.4
95°	712.5	785.9	876.1	973.7	1069.5	1191.6	1306.7	1422.8	1519.1	1556.2	1527.0
97.5°	709.6	785.9	878.6	973.4	1069.5	1187.0	1299.0	1401.5	1479.3	1505.9	1479.1
100°	706.7	782.3	875.4	973.9	1070.4	1184.3	1293.5	1384.0	1441.0	1456.9	1431.9
102.5°	699.9	780.0	874.4	973.4	1070.2	1180.2	1286.5	1366.9	1405.5	1409.9	1385.5
105°	695.3	777.1	872.6	971.8	1068.7	1175.0	1278.3	1350.8	1374.2	1365.7	1339.9
107.5°	690.4	773.6	869.7	969.0	1066.0	1168.6	1269.0	1336.6	1348.5	1325.1	1294.9
110°	685.2	769.4	865.8	965.1	1061.9	1161.2	1258.6	1324.7	1329.6	1288.9	1247.9



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	679.1	762.1	855.6	950.0	1039.3	1125.8	1207.5	1263.0	1262.6	1214.0	1175.7
115°	650.4	724.9	808.2	892.4	971.8	1046.7	1116.8	1170.7	1178.4	1134.9	1102.6
117.5°	621.8	688.2	761.3	835.8	905.5	969.7	1028.7	1076.8	1083.6	1055.0	1026.2
120°	593.4	651.9	715.4	780.3	840.8	895.2	943.1	980.4	990.0	972.6	945.9
122.5°	565.2	616.3	670.4	726.3	777.8	823.0	860.5	888.2	898.2	887.4	861.6
125°	537.3	581.4	626.7	674.0	716.6	753.3	781.8	800.8	808.5	798.0	778.4
127.5°	509.8	547.4	584.3	623.4	657.5	686.4	707.6	718.7	719.1	707.5	691.3
130°	482.7	514.4	543.6	574.6	601.1	622.6	638.2	640.9	634.2	619.7	600.2
132.5°	456.0	482.5	504.8	528.0	547.5	562.2	571.6	568.6	562.6	556.9	553.2
135°	429.4	451.4	468.2	486.2	503.2	517.8	529.8	536.7	537.1	532.5	528.4
137.5°	395.3	416.9	433.7	451.1	468.8	483.7	496.7	508.2	508.9	507.4	503.0
140°	361.0	381.6	398.8	415.6	433.0	448.6	462.8	474.1	480.1	481.0	477.9
142.5°	326.7	346.2	363.4	379.4	396.5	412.5	427.2	439.3	451.1	451.8	452.0
145°	292.3	310.6	327.5	343.2	359.4	376.4	390.0	403.7	414.1	421.8	422.9
147.5°	257.8	274.9	291.2	306.4	321.6	337.1	351.7	365.5	377.3	386.9	392.3
150°	223.3	239.2	254.6	269.1	284.2	298.0	312.2	325.7	338.6	348.7	357.5
152.5°	189.0	203.3	217.3	231.1	244.7	258.2	271.7	284.5	297.0	308.8	317.7
155°	154.7	167.4	180.2	192.6	205.4	217.7	230.2	242.3	253.9	265.4	279.0
157.5°	121.1	133.0	145.8	158.3	171.7	185.1	198.1	211.5	224.5	236.8	248.6
160°	108.7	119.1	130.8	142.3	153.6	165.3	176.6	187.5	198.7	209.5	219.7
162.5°	96.1	105.4	115.5	125.8	135.9	145.9	155.5	164.8	173.8	182.8	191.6
165°	83.4	91.6	99.8	108.9	117.8	126.5	135.0	142.8	150.3	157.5	165.3
167.5°	70.4	77.5	84.4	91.6	99.2	106.6	113.9	121.0	127.5	133.4	138.9
170°	57.3	63.1	68.8	74.4	80.1	86.1	92.1	97.9	103.5	109.0	114.6
172.5°	44.1	48.5	52.9	57.2	61.4	65.6	69.7	74.1	78.4	82.6	86.6
175°	30.6	33.7	36.7	39.6	42.5	45.3	48.1	50.7	53.3	55.8	58.2
177.5°	17.0	18.6	20.1	21.6	23.1	24.6	26.0	27.3	28.6	29.9	31.1
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	32.3	33.4	34.4	35.4	36.4	37.3	38.1	38.8	39.5	40.2	40.7
5°	60.8	63.3	65.7	68.0	70.2	72.2	74.1	75.9	77.5	79.0	80.4
7.5°	90.5	94.3	97.8	101.2	104.3	106.5	108.5	110.3	112.0	113.5	114.7
10°	118.5	122.4	126.1	129.6	132.8	135.8	138.5	141.1	143.5	145.6	147.4
12.5°	144.2	149.2	154.0	158.8	163.2	167.3	171.0	174.3	177.3	179.6	181.2
15°	171.3	177.9	184.1	189.9	195.2	199.6	203.4	206.8	209.7	212.0	213.9
17.5°	199.9	208.8	214.8	221.2	226.9	232.1	236.6	240.5	243.9	246.9	249.4
20°	229.3	238.1	246.3	253.5	259.7	265.3	270.3	274.4	277.4	280.2	282.9
22.5°	259.7	269.7	277.8	285.3	292.4	296.0	299.7	303.3	306.9	310.6	314.5
25°	290.0	299.7	310.0	313.2	317.1	321.2	324.6	328.4	332.6	337.6	343.2
27.5°	325.5	330.5	331.1	335.1	337.8	340.6	344.8	349.6	355.6	362.0	370.8
30°	361.9	362.6	362.2	359.3	356.2	356.5	361.9	368.1	379.3	390.6	402.9
32.5°	393.2	392.5	389.5	386.7	385.4	383.9	386.9	392.3	406.5	426.2	445.7
35°	422.3	419.2	416.6	415.3	415.6	420.5	425.1	437.6	449.2	467.5	493.0
37.5°	448.6	445.7	444.3	445.9	451.7	461.2	475.9	491.0	508.3	525.9	550.1
40°	474.3	472.5	474.0	480.5	493.0	509.7	529.8	550.7	577.8	608.8	641.9
42.5°	500.4	500.1	507.2	520.5	539.2	563.5	588.2	624.2	663.1	706.4	752.1
45°	525.5	532.1	543.8	564.3	591.4	620.1	661.8	704.9	757.9	811.4	868.3
47.5°	555.3	563.1	585.4	613.2	645.9	690.5	738.9	796.7	856.7	918.6	992.3
50°	588.7	602.6	628.3	665.2	710.5	761.4	823.3	887.3	956.8	1035.8	1122.1
52.5°	677.7	679.1	694.5	722.2	777.0	838.6	905.1	977.1	1060.1	1154.7	1260.5
55°	767.3	768.3	784.9	816.0	861.0	914.8	982.1	1067.8	1165.5	1278.1	1390.7
57.5°	851.2	853.6	871.7	905.2	954.2	1009.6	1077.0	1158.9	1274.6	1390.7	1510.8
60°	931.4	931.7	954.1	992.0	1041.1	1098.8	1175.0	1276.7	1383.2	1490.7	1623.8
62.5°	1009.6	1009.5	1031.1	1070.7	1121.3	1187.5	1275.4	1382.7	1490.9	1608.1	1738.3
65°	1082.3	1084.0	1106.8	1145.3	1196.7	1266.9	1369.5	1478.4	1593.9	1718.9	1859.9
67.5°	1149.9	1153.3	1176.0	1214.8	1270.2	1349.5	1454.1	1565.3	1687.5	1818.9	1983.4
70°	1217.8	1218.8	1239.2	1278.5	1335.9	1424.8	1531.1	1647.1	1770.1	1906.6	2096.9
72.5°	1274.2	1279.4	1300.2	1339.0	1396.1	1495.2	1599.8	1718.9	1836.4	1993.4	2179.0
75°	1325.5	1333.6	1354.4	1388.3	1445.5	1539.7	1655.2	1779.1	1886.7	2062.2	2248.7
77.5°	1376.7	1386.2	1404.3	1429.4	1480.6	1569.3	1684.2	1807.0	1941.0	2116.6	2307.1
80°	1427.9	1437.7	1450.5	1463.7	1506.0	1590.5	1706.1	1831.5	1981.3	2161.4	2369.8
82.5°	1479.0	1488.0	1493.9	1492.7	1523.5	1604.4	1720.9	1852.3	2009.5	2195.5	2417.6
85°	1530.1	1537.6	1535.2	1518.1	1535.1	1611.8	1729.0	1868.2	2026.2	2218.2	2449.8
87.5°	1581.1	1586.6	1575.3	1541.1	1542.8	1615.6	1733.6	1882.2	2036.5	2235.4	2474.0
90°	1631.8	1635.1	1615.4	1565.3	1548.9	1612.2	1726.6	1881.4	2028.6	2228.0	2465.7
92.5°	1581.1	1586.6	1575.3	1541.1	1542.8	1615.6	1733.6	1882.2	2036.5	2235.4	2474.0
95°	1530.1	1537.6	1535.2	1518.1	1535.1	1611.8	1729.0	1868.2	2026.2	2218.2	2449.8
97.5°	1479.0	1488.0	1493.9	1492.7	1523.5	1604.4	1720.9	1852.3	2009.5	2195.5	2417.6
100°	1427.9	1437.7	1450.5	1463.7	1506.0	1590.5	1706.1	1831.5	1981.3	2161.4	2369.8
102.5°	1376.7	1386.2	1404.3	1429.4	1480.6	1569.3	1684.2	1807.0	1941.0	2116.6	2307.1
105°	1325.5	1333.6	1354.4	1388.3	1445.5	1539.7	1655.2	1779.1	1886.7	2062.2	2248.7
107.5°	1274.2	1279.4	1300.2	1339.0	1396.1	1495.2	1599.8	1718.9	1836.4	1993.4	2179.0
110°	1217.8	1218.8	1239.2	1278.5	1335.9	1424.8	1531.1	1647.1	1770.1	1906.6	2096.9



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1149.9	1153.3	1176.0	1214.8	1270.2	1349.5	1454.1	1565.3	1687.5	1818.9	1983.4
115°	1082.3	1084.0	1106.8	1145.3	1196.7	1266.9	1369.5	1478.4	1593.9	1718.9	1859.9
117.5°	1009.6	1009.5	1031.1	1070.7	1121.3	1187.5	1275.4	1382.7	1490.9	1608.1	1738.3
120°	931.4	931.7	954.1	992.0	1041.1	1098.8	1175.0	1276.7	1383.2	1490.7	1623.8
122.5°	851.2	853.6	871.7	905.2	954.2	1009.6	1077.0	1158.9	1274.6	1390.7	1510.8
125°	767.3	768.3	784.9	816.0	861.0	914.8	982.1	1067.8	1165.5	1278.1	1390.7
127.5°	677.7	679.1	694.5	722.2	777.0	838.6	905.1	977.1	1060.1	1154.7	1260.5
130°	588.7	602.6	628.3	665.2	710.5	761.4	823.3	887.3	956.8	1035.8	1122.1
132.5°	555.3	563.1	585.4	613.2	645.9	690.5	738.9	796.7	856.7	918.6	992.3
135°	525.5	532.1	543.8	564.3	591.4	620.1	661.8	704.9	757.9	811.4	868.3
137.5°	500.4	500.1	507.2	520.5	539.2	563.5	588.2	624.2	663.1	706.4	752.1
140°	474.3	472.5	474.0	480.5	493.0	509.7	529.8	550.7	577.8	608.8	641.9
142.5°	448.6	445.7	444.3	445.9	451.7	461.2	475.9	491.0	508.3	525.9	550.1
145°	422.3	419.2	416.6	415.3	415.6	420.5	425.1	437.6	449.2	467.5	493.0
147.5°	393.2	392.5	389.5	386.7	385.4	383.9	386.9	392.3	406.5	426.2	445.7
150°	361.9	362.6	362.2	359.3	356.2	356.5	361.9	368.1	379.3	390.6	402.9
152.5°	325.5	330.5	331.1	335.1	337.8	340.6	344.8	349.6	355.6	362.0	370.8
155°	290.0	299.7	310.0	313.2	317.1	321.2	324.6	328.4	332.6	337.6	343.2
157.5°	259.7	269.7	277.8	285.3	292.4	296.0	299.7	303.3	306.9	310.6	314.5
160°	229.3	238.1	246.3	253.5	259.7	265.3	270.3	274.4	277.4	280.2	282.9
162.5°	199.9	208.8	214.8	221.2	226.9	232.1	236.6	240.5	243.9	246.9	249.4
165°	171.3	177.9	184.1	189.9	195.2	199.6	203.4	206.8	209.7	212.0	213.9
167.5°	144.2	149.2	154.0	158.8	163.2	167.3	171.0	174.3	177.3	179.6	181.2
170°	118.5	122.4	126.1	129.6	132.8	135.8	138.5	141.1	143.5	145.6	147.4
172.5°	90.5	94.3	97.8	101.2	104.3	106.5	108.5	110.3	112.0	113.5	114.7
175°	60.8	63.3	65.7	68.0	70.2	72.2	74.1	75.9	77.5	79.0	80.4
177.5°	32.3	33.4	34.4	35.4	36.4	37.3	38.1	38.8	39.5	40.2	40.7
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	41.2	41.6	42.0	42.2	42.4	42.6	43.9	43.5	43.1	42.7	42.2
5°	81.6	82.6	83.5	84.3	84.9	85.3	85.6	85.7	87.0	86.2	85.4
7.5°	115.8	116.6	117.3	117.8	118.1	118.1	118.0	117.7	117.2	117.3	116.0
10°	148.9	150.2	151.1	151.8	152.2	152.2	152.0	151.5	150.7	150.8	148.9
12.5°	182.5	183.4	183.9	184.0	183.8	183.2	182.3	181.0	179.4	177.5	175.7
15°	215.6	216.9	217.7	218.1	218.1	217.6	216.7	215.4	213.7	211.6	209.8
17.5°	251.3	252.8	254.0	255.0	255.6	255.8	255.7	255.2	254.2	252.8	251.9
20°	285.3	287.8	290.6	293.3	295.7	297.9	299.7	301.2	302.2	302.6	304.0
22.5°	318.6	322.8	327.2	331.5	335.7	339.5	343.0	346.1	348.7	350.6	353.7
25°	349.1	355.0	361.1	368.7	375.9	382.5	388.7	394.1	398.9	402.8	405.8
27.5°	380.7	390.5	400.1	411.3	423.6	435.0	445.4	454.8	463.0	469.8	475.3
30°	418.6	435.2	451.2	466.5	484.2	501.0	516.6	530.9	543.7	554.9	564.2
32.5°	466.0	488.5	510.7	532.3	556.6	581.3	603.9	624.2	642.1	657.5	670.1
35°	518.5	551.0	584.6	616.4	647.8	682.7	714.5	742.9	767.8	788.9	806.2
37.5°	590.1	631.0	678.4	723.1	765.0	806.8	845.1	879.0	908.5	933.4	953.5
40°	681.6	732.9	789.3	843.7	894.2	942.9	988.1	1026.4	1058.0	1083.0	1101.8
42.5°	801.2	850.3	912.4	981.6	1043.0	1097.7	1148.5	1190.6	1224.1	1249.4	1266.7
45°	927.5	997.0	1064.2	1141.7	1212.8	1281.3	1330.8	1378.5	1416.2	1444.1	1462.4
47.5°	1069.5	1153.9	1238.1	1321.4	1402.7	1473.4	1540.2	1601.1	1650.5	1688.1	1713.5
50°	1219.5	1315.6	1413.9	1510.9	1617.0	1706.1	1786.2	1860.3	1921.5	1969.3	2002.8
52.5°	1366.9	1474.3	1592.6	1714.0	1841.4	1959.1	2053.6	2144.2	2225.7	2295.6	2351.4
55°	1506.3	1635.5	1771.7	1917.8	2064.1	2208.9	2329.3	2425.6	2512.2	2590.3	2657.0
57.5°	1644.0	1791.9	1948.8	2116.2	2289.1	2421.0	2548.0	2653.7	2751.3	2842.4	2923.9
60°	1775.7	1941.2	2124.3	2298.9	2458.4	2599.9	2726.3	2844.0	2951.9	3050.1	3136.8
62.5°	1897.2	2091.4	2280.3	2459.2	2612.0	2755.1	2884.8	3009.6	3114.6	3212.3	3300.0
65°	2038.1	2224.5	2419.5	2588.6	2742.8	2887.7	3015.8	3134.1	3248.9	3352.3	3439.0
67.5°	2169.8	2361.3	2532.7	2694.9	2849.7	2991.3	3128.7	3261.8	3381.5	3478.6	3561.0
70°	2281.8	2472.2	2640.8	2787.7	2933.7	3086.5	3234.6	3365.8	3490.2	3601.3	3681.9
72.5°	2375.5	2570.9	2730.2	2876.3	3020.6	3167.4	3314.5	3457.8	3603.9	3719.6	3785.4
75°	2459.5	2642.0	2800.6	2952.1	3103.1	3242.8	3380.9	3528.2	3662.7	3791.7	3870.3
77.5°	2527.8	2701.3	2856.3	3013.3	3164.2	3309.0	3444.2	3562.0	3718.3	3849.1	3937.2
80°	2576.1	2743.2	2897.6	3056.5	3209.8	3362.9	3492.9	3628.6	3773.7	3903.4	3968.5
82.5°	2616.1	2779.7	2936.8	3091.0	3239.7	3387.9	3529.2	3670.3	3826.7	3929.7	3992.4
85°	2643.7	2802.4	2962.0	3114.8	3262.5	3417.3	3548.6	3688.7	3839.5	3950.3	4008.5
87.5°	2665.4	2811.3	2972.2	3121.6	3266.6	3433.4	3560.0	3708.8	3859.1	3971.0	4015.2
90°	2658.6	2806.9	2967.1	3112.1	3252.7	3429.3	3551.4	3698.5	3856.6	3975.4	4002.6
92.5°	2665.4	2811.3	2972.2	3121.6	3266.6	3433.4	3560.0	3708.8	3859.1	3971.0	4015.2
95°	2643.7	2802.4	2962.0	3114.8	3262.5	3417.3	3548.6	3688.7	3839.5	3950.3	4008.5
97.5°	2616.1	2779.7	2936.8	3091.0	3239.7	3387.9	3529.2	3670.3	3826.7	3929.7	3992.4
100°	2576.1	2743.2	2897.6	3056.5	3209.8	3362.9	3492.9	3628.6	3773.7	3903.4	3968.5
102.5°	2527.8	2701.3	2856.3	3013.3	3164.2	3309.0	3444.2	3562.0	3718.3	3849.1	3937.2
105°	2459.4	2642.0	2800.6	2952.1	3103.1	3242.8	3380.9	3528.2	3662.7	3791.7	3870.3
107.5°	2375.5	2570.9	2730.2	2876.3	3020.6	3167.4	3314.5	3457.8	3603.9	3719.6	3785.4
110°	2281.8	2472.2	2640.8	2787.7	2933.7	3086.5	3234.6	3365.8	3490.2	3601.3	3681.9



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	2169.8	2361.3	2532.7	2694.9	2849.7	2991.3	3128.7	3261.8	3381.5	3478.6	3561.0
115°	2038.1	2224.5	2419.5	2588.6	2742.8	2887.7	3015.8	3134.1	3248.9	3352.3	3439.0
117.5°	1897.2	2091.4	2280.3	2459.2	2612.0	2755.1	2884.8	3009.6	3114.6	3212.3	3300.0
120°	1775.7	1941.2	2124.3	2298.9	2458.4	2599.9	2726.3	2844.0	2951.9	3050.1	3136.8
122.5°	1644.0	1791.9	1948.8	2116.2	2289.1	2421.0	2548.0	2653.7	2751.3	2842.4	2923.9
125°	1506.3	1635.5	1771.7	1917.8	2064.1	2208.9	2329.3	2425.6	2512.2	2590.3	2657.0
127.5°	1366.9	1474.3	1592.6	1714.0	1841.4	1959.1	2053.6	2144.2	2225.7	2295.6	2351.4
130°	1219.5	1315.6	1413.9	1510.9	1617.0	1706.1	1786.2	1860.3	1921.5	1969.3	2002.8
132.5°	1069.5	1153.9	1238.1	1321.4	1402.7	1473.4	1540.2	1601.1	1650.5	1688.1	1713.5
135°	927.5	997.0	1064.2	1141.7	1212.8	1281.3	1330.8	1378.5	1416.2	1444.1	1462.4
137.5°	801.2	850.3	912.4	981.6	1043.0	1097.7	1148.5	1190.6	1224.1	1249.4	1266.7
140°	681.6	732.9	789.3	843.7	894.2	942.9	988.1	1026.4	1058.0	1083.0	1101.8
142.5°	590.1	631.0	678.4	723.1	765.0	806.8	845.1	879.0	908.5	933.4	953.5
145°	518.5	551.0	584.6	616.4	647.8	682.7	714.5	742.9	767.8	788.9	806.2
147.5°	466.0	488.5	510.7	532.3	556.6	581.3	603.9	624.2	642.1	657.5	670.1
150°	418.6	435.2	451.2	466.5	484.2	501.0	516.6	530.9	543.7	554.9	564.2
152.5°	380.7	390.5	400.1	411.3	423.6	435.0	445.4	454.8	463.0	469.8	475.3
155°	349.1	355.0	361.1	368.7	375.9	382.5	388.7	394.1	398.9	402.8	405.8
157.5°	318.6	322.8	327.2	331.5	335.7	339.5	343.0	346.1	348.7	350.6	353.7
160°	285.3	287.8	290.6	293.3	295.7	297.9	299.7	301.2	302.2	302.6	304.0
162.5°	251.3	252.8	254.0	255.0	255.6	255.8	255.7	255.2	254.2	252.8	251.9
165°	215.6	216.9	217.7	218.1	218.1	217.6	216.7	215.4	213.7	211.6	209.8
167.5°	182.5	183.4	183.9	184.0	183.8	183.2	182.3	181.0	179.4	177.5	175.7
170°	148.9	150.2	151.1	151.8	152.2	152.2	152.0	151.5	150.7	150.8	148.9
172.5°	115.8	116.6	117.3	117.8	118.1	118.1	118.0	117.7	117.2	117.3	116.0
175°	81.6	82.6	83.5	84.3	84.9	85.3	85.6	85.7	87.0	86.2	85.4
177.5°	41.2	41.6	42.0	42.2	42.4	42.6	43.9	43.5	43.1	42.7	42.2
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3.3	3.3
2.5°	41.8	41.4
5°	84.7	83.9
7.5°	114.7	113.4
10°	146.9	145.0
12.5°	172.9	170.0
15°	206.2	202.7
17.5°	248.6	245.3
20°	301.9	299.8
22.5°	352.9	352.1
25°	408.4	408.8
27.5°	480.2	481.8
30°	572.7	576.6
32.5°	681.4	686.7
35°	821.5	828.4
37.5°	971.2	978.9
40°	1117.2	1121.7
42.5°	1279.9	1279.7
45°	1475.7	1471.6
47.5°	1732.8	1727.7
50°	2029.3	2025.3
52.5°	2401.0	2410.1
55°	2719.1	2743.6
57.5°	3001.8	3043.4
60°	3218.3	3267.9
62.5°	3376.1	3439.1
65°	3509.8	3566.6
67.5°	3628.9	3683.3
70°	3740.9	3782.4
72.5°	3831.8	3862.0
75°	3902.2	3917.6
77.5°	3969.3	3990.6
80°	4001.1	4017.9
82.5°	4034.5	4056.0
85°	4045.5	4063.7
87.5°	4035.8	4080.0
90°	4032.1	4062.6
92.5°	4035.8	4080.0
95°	4045.5	4063.7
97.5°	4034.5	4056.0
100°	4001.1	4017.9
102.5°	3969.3	3990.6
105°	3902.2	3917.6
107.5°	3831.8	3862.0
110°	3740.9	3782.4



TEST NUMBER: P231991

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	3628.9	3683.3
115°	3509.8	3566.6
117.5°	3376.1	3439.1
120°	3218.3	3267.9
122.5°	3001.8	3043.4
125°	2719.1	2743.6
127.5°	2401.0	2410.1
130°	2029.3	2025.3
132.5°	1732.8	1727.7
135°	1475.7	1471.6
137.5°	1279.9	1279.7
140°	1117.2	1121.7
142.5°	971.2	978.9
145°	821.5	828.4
147.5°	681.4	686.7
150°	572.7	576.6
152.5°	480.2	481.8
155°	408.4	408.8
157.5°	352.9	352.1
160°	301.9	299.8
162.5°	248.6	245.3
165°	206.2	202.7
167.5°	172.9	170.0
170°	146.9	145.0
172.5°	114.7	113.4
175°	84.7	83.9
177.5°	41.8	41.4
180°	3.0	3.0

(END OF REPORT)