

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: P231987

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231987
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-LD4-50-2STD-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

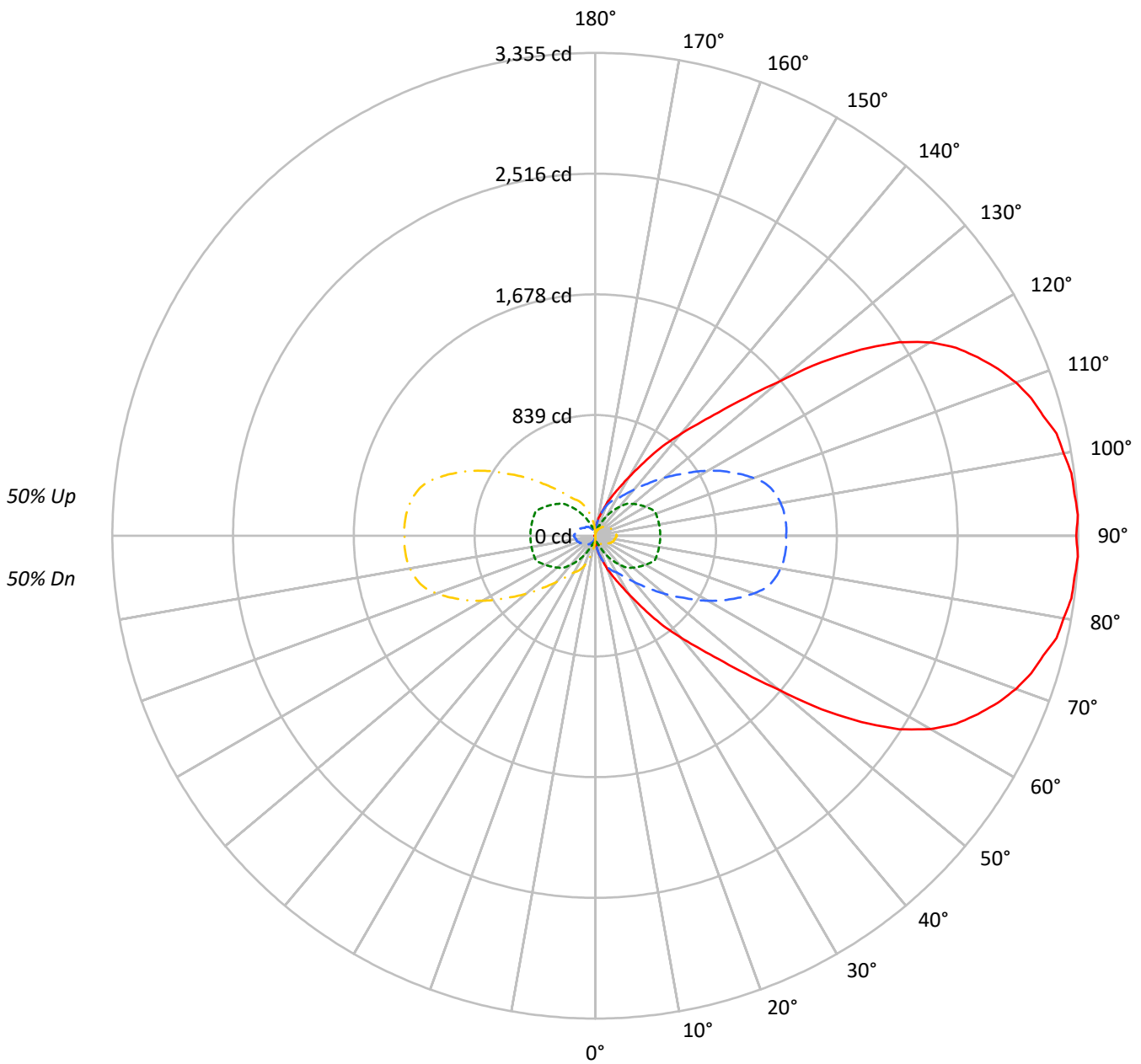
Lumens per Lamp: N/A
Luminaire Lumens: 7761.5 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 21.37 / 13.72 / 14.58
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 67.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P231987

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

Luminous Intensity Polar Plot



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



TEST NUMBER: P231987

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

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°	41	41	41	41
5°	915	302	36	302
10°	1416	567	21	567
15°	1806	839	29	839
20°	2472	1126	27	1126
25°	3159	1717	25	1717
30°	4224	2648	24	2648
35°	5809	3680	23	3680
40°	7599	4854	22	4854
45°	9715	6223	29	6223
50°	13134	7380	28	7380
55°	17616	8821	28	8821
60°	20934	10679	28	10679
65°	22968	13167	28	13167
70°	24676	16159	29	16159
75°	26098	20074	36	20074
80°	27558	26720	0	26720
85°	28949	40316	0	40316



TEST NUMBER: P231987

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	26.0	0.3
20°-30°	71.7	0.9
30°-40°	158.4	2.0
40°-50°	306.8	4.0
50°-60°	539.4	7.0
60°-70°	783.5	10.1
70°-80°	954.0	12.3
80°-90°	1036.9	13.4
90°-100°	1036.9	13.4
100°-110°	954.0	12.3
110°-120°	783.5	10.1
120°-130°	539.4	7.0
130°-140°	306.8	4.0
140°-150°	158.4	2.0
150°-160°	71.7	0.9
160°-170°	26.0	0.3
170°-180°	4.0	0.1
0°-30°	101.7	1.3
0°-40°	260.1	3.4
0°-60°	1106.4	14.3
0°-90°	3880.7	50.0
90°-120°	2774.4	35.7
90°-150°	3779.1	48.7
90°-180°	3881.0	50.0
0°-180°	7761.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3	3	3	3	3	
5°	69	20	3	20	69	8
15°	167	55	3	55	167	51
25°	336	107	3	107	336	163
35°	681	211	3	211	681	437
45°	1210	315	4	315	1210	971
55°	2256	374	4	374	2256	2009
65°	2932	432	4	432	2932	2903
75°	3221	449	4	449	3221	3408
85°	3341	451	0	451	3341	2725
90°	3340	452	0	452	3340	1835
95°	3341	451	0	451	3341	2725
105°	3221	449	4	449	3221	3408
115°	2932	432	4	432	2932	2903
125°	2256	374	4	374	2256	2009
135°	1210	315	4	315	1210	971
145°	681	211	3	211	681	437
155°	336	107	3	107	336	163
165°	167	55	3	55	167	51
175°	69	20	3	20	69	8
180°	2	2	2	2	2	



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	34.1	34.4	34.8	35.1	35.5	35.8	36.2	35.1	34.9	34.8	34.6
5°	69.0	69.6	70.3	70.9	71.5	70.5	70.4	70.2	69.8	69.3	68.7
7.5°	93.2	94.3	95.3	96.4	96.3	96.8	97.0	97.1	97.1	96.8	96.4
10°	119.2	120.8	122.4	124.0	123.9	124.6	125.0	125.1	125.1	124.8	124.2
12.5°	139.8	142.2	144.5	145.9	147.5	148.8	149.9	150.6	151.1	151.3	151.2
15°	166.7	169.6	172.5	174.0	175.7	177.2	178.2	179.0	179.3	179.4	179.0
17.5°	201.7	204.4	207.1	207.8	209.0	209.8	210.3	210.4	210.2	209.7	208.9
20°	246.5	248.2	250.0	248.8	248.4	247.6	246.4	244.9	243.1	241.1	238.9
22.5°	289.5	290.2	290.8	288.3	286.7	284.6	282.0	279.2	276.0	272.6	269.0
25°	336.1	335.8	333.6	331.2	327.9	324.0	319.6	314.5	309.0	303.1	296.9
27.5°	396.1	394.8	390.8	386.3	380.6	373.9	366.2	357.6	348.3	338.1	328.9
30°	474.1	470.9	463.9	456.3	447.1	436.5	424.7	411.9	398.1	383.5	370.9
32.5°	564.6	560.2	550.9	540.6	528.0	513.3	496.5	478.0	457.6	437.7	419.9
35°	681.1	675.5	662.8	648.7	631.3	610.8	587.5	561.4	532.7	506.8	480.7
37.5°	804.8	798.5	783.9	767.4	747.0	722.7	694.8	663.4	629.0	594.6	557.8
40°	922.2	918.5	905.8	890.4	869.8	843.9	812.4	775.2	735.1	693.7	649.0
42.5°	1052.2	1052.4	1041.5	1027.2	1006.5	978.9	944.3	902.5	857.6	807.0	750.2
45°	1209.9	1213.3	1202.4	1187.3	1164.4	1133.4	1094.2	1053.5	997.2	938.7	875.0
47.5°	1420.6	1424.8	1408.9	1388.0	1357.1	1316.5	1266.4	1211.4	1153.3	1086.5	1018.0
50°	1665.2	1668.5	1646.7	1619.1	1579.9	1529.5	1468.7	1402.8	1329.6	1242.3	1162.5
52.5°	1981.6	1974.1	1933.3	1887.4	1829.9	1763.0	1688.5	1610.8	1514.0	1409.3	1309.5
55°	2255.9	2235.7	2184.7	2129.8	2065.6	1994.4	1915.1	1816.2	1697.2	1576.8	1456.8
57.5°	2502.3	2468.1	2404.0	2337.0	2262.1	2182.0	2095.0	1990.6	1882.1	1739.9	1602.4
60°	2687.0	2646.2	2579.1	2507.8	2427.0	2338.3	2241.6	2137.7	2021.4	1890.2	1746.7
62.5°	2827.7	2775.9	2713.3	2641.2	2560.9	2474.5	2371.9	2265.3	2147.6	2022.0	1874.9
65°	2932.5	2885.9	2827.6	2756.4	2671.4	2576.9	2479.6	2374.3	2255.2	2128.4	1989.4
67.5°	3028.4	2983.7	2927.8	2860.2	2780.4	2681.9	2572.4	2459.4	2343.1	2215.8	2082.5
70°	3110.0	3075.8	3027.3	2961.0	2869.6	2767.4	2659.6	2537.7	2412.1	2292.1	2171.4
72.5°	3175.4	3150.5	3112.4	3058.3	2963.2	2843.0	2725.2	2604.2	2483.5	2364.9	2244.8
75°	3221.1	3208.5	3182.2	3117.6	3011.5	2901.0	2779.9	2666.2	2551.3	2427.2	2302.7
77.5°	3281.2	3263.6	3237.3	3164.8	3057.2	2928.7	2831.9	2720.7	2601.7	2477.5	2348.5
80°	3303.6	3289.8	3263.0	3209.5	3102.8	2983.5	2871.9	2765.1	2639.2	2513.0	2382.5
82.5°	3334.9	3317.2	3282.6	3231.1	3146.3	3017.7	2901.8	2785.6	2663.8	2541.5	2414.7
85°	3341.2	3326.2	3295.9	3248.0	3156.9	3032.9	2917.7	2809.8	2682.5	2561.0	2435.4
87.5°	3354.7	3318.3	3301.4	3265.1	3173.0	3049.4	2927.1	2823.0	2685.9	2566.7	2443.7
90°	3340.3	3315.2	3291.0	3268.6	3170.9	3041.0	2920.0	2819.6	2674.4	2558.8	2439.6
92.5°	3354.7	3318.3	3301.4	3265.1	3173.0	3049.4	2927.1	2823.0	2685.9	2566.7	2443.7
95°	3341.2	3326.2	3295.9	3248.0	3156.9	3032.9	2917.7	2809.8	2682.5	2561.0	2435.4
97.5°	3334.9	3317.2	3282.6	3231.1	3146.3	3017.7	2901.8	2785.6	2663.8	2541.5	2414.7
100°	3303.6	3289.8	3263.0	3209.5	3102.8	2983.5	2871.9	2765.1	2639.2	2513.0	2382.5
102.5°	3281.2	3263.6	3237.3	3164.8	3057.2	2928.7	2831.9	2720.7	2601.7	2477.5	2348.5
105°	3221.1	3208.5	3182.2	3117.6	3011.5	2901.0	2779.9	2666.2	2551.3	2427.2	2302.7
107.5°	3175.4	3150.5	3112.4	3058.3	2963.2	2843.0	2725.2	2604.2	2483.5	2364.9	2244.8
110°	3110.0	3075.8	3027.3	2961.0	2869.6	2767.4	2659.6	2537.7	2412.1	2292.1	2171.4



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	3028.4	2983.7	2927.8	2860.2	2780.4	2681.9	2572.4	2459.4	2343.1	2215.8	2082.5
115°	2932.5	2885.9	2827.6	2756.4	2671.4	2576.9	2479.6	2374.3	2255.2	2128.4	1989.4
117.5°	2827.7	2775.9	2713.3	2641.2	2560.9	2474.5	2371.9	2265.3	2147.6	2022.0	1874.9
120°	2687.0	2646.2	2579.1	2507.8	2427.0	2338.3	2241.6	2137.7	2021.4	1890.2	1746.7
122.5°	2502.3	2468.1	2404.0	2337.0	2262.1	2182.0	2095.0	1990.6	1882.1	1739.9	1602.4
125°	2255.9	2235.7	2184.7	2129.8	2065.6	1994.4	1915.1	1816.2	1697.2	1576.8	1456.8
127.5°	1981.6	1974.1	1933.3	1887.4	1829.9	1763.0	1688.5	1610.8	1514.0	1409.3	1309.5
130°	1665.2	1668.5	1646.7	1619.1	1579.9	1529.5	1468.7	1402.8	1329.6	1242.3	1162.5
132.5°	1420.6	1424.8	1408.9	1388.0	1357.1	1316.5	1266.4	1211.4	1153.3	1086.5	1018.0
135°	1209.9	1213.3	1202.4	1187.3	1164.4	1133.4	1094.2	1053.5	997.2	938.7	875.0
137.5°	1052.2	1052.4	1041.5	1027.2	1006.5	978.9	944.3	902.5	857.6	807.0	750.2
140°	922.2	918.5	905.8	890.4	869.8	843.9	812.4	775.2	735.1	693.7	649.0
142.5°	804.8	798.5	783.9	767.4	747.0	722.7	694.8	663.4	629.0	594.6	557.8
145°	681.1	675.5	662.8	648.7	631.3	610.8	587.5	561.4	532.7	506.8	480.7
147.5°	564.6	560.2	550.9	540.6	528.0	513.3	496.5	478.0	457.6	437.7	419.9
150°	474.1	470.9	463.9	456.3	447.1	436.5	424.7	411.9	398.1	383.5	370.9
152.5°	396.1	394.8	390.8	386.3	380.6	373.9	366.2	357.6	348.3	338.1	328.9
155°	336.1	335.8	333.6	331.2	327.9	324.0	319.6	314.5	309.0	303.1	296.9
157.5°	289.5	290.2	290.8	288.3	286.7	284.6	282.0	279.2	276.0	272.6	269.0
160°	246.5	248.2	250.0	248.8	248.4	247.6	246.4	244.9	243.1	241.1	238.9
162.5°	201.7	204.4	207.1	207.8	209.0	209.8	210.3	210.4	210.2	209.7	208.9
165°	166.7	169.6	172.5	174.0	175.7	177.2	178.2	179.0	179.3	179.4	179.0
167.5°	139.8	142.2	144.5	145.9	147.5	148.8	149.9	150.6	151.1	151.3	151.2
170°	119.2	120.8	122.4	124.0	123.9	124.6	125.0	125.1	125.1	124.8	124.2
172.5°	93.2	94.3	95.3	96.4	96.3	96.8	97.0	97.1	97.1	96.8	96.4
175°	69.0	69.6	70.3	70.9	71.5	70.5	70.4	70.2	69.8	69.3	68.7
177.5°	34.1	34.4	34.8	35.1	35.5	35.8	36.2	35.1	34.9	34.8	34.6
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: P231987

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	34.3	33.9	33.5	33.1	32.5	32.0	31.4	30.7	30.0	29.2	28.4
5°	68.0	67.1	66.1	65.0	63.8	62.4	61.0	59.4	57.7	55.9	54.1
7.5°	95.9	95.2	94.3	93.3	92.1	90.7	89.2	87.5	85.7	83.2	80.4
10°	123.5	122.4	121.2	119.7	117.9	116.0	113.9	111.6	109.2	106.6	103.7
12.5°	150.8	150.1	149.0	147.6	145.8	143.3	140.6	137.5	134.2	130.5	126.6
15°	178.3	177.3	175.9	174.3	172.4	170.0	167.3	164.1	160.5	156.2	151.4
17.5°	207.9	206.6	205.0	203.0	200.6	197.7	194.5	190.8	186.6	181.8	176.6
20°	236.7	234.6	232.6	230.4	228.1	225.6	222.3	218.1	213.5	208.5	202.5
22.5°	265.4	262.0	258.6	255.4	252.3	249.4	246.4	243.4	240.4	234.5	228.4
25°	291.9	287.0	282.2	277.5	273.5	270.0	266.9	264.0	260.7	257.5	254.9
27.5°	321.1	313.0	304.8	297.7	292.4	287.4	283.5	280.0	277.7	275.5	272.2
30°	357.8	344.2	331.3	321.2	311.9	302.7	297.5	293.1	292.9	295.4	297.8
32.5°	401.6	383.0	366.4	350.4	334.2	322.6	318.1	315.6	316.9	318.0	320.3
35°	453.0	426.3	405.3	384.3	369.3	359.8	349.5	345.8	341.7	341.5	342.6
37.5°	518.8	485.2	452.3	432.4	417.9	403.6	391.2	379.2	371.4	366.6	365.3
40°	602.7	560.5	527.8	500.6	475.0	452.8	435.6	419.1	405.3	395.1	389.7
42.5°	699.1	658.8	618.4	580.9	545.2	513.2	483.6	463.3	443.3	427.9	417.1
45°	819.7	762.6	713.9	667.2	623.2	579.6	544.1	509.8	486.3	464.0	447.1
47.5°	948.7	879.3	815.9	755.2	704.4	655.1	607.6	567.7	531.1	504.1	481.3
50°	1081.7	1002.7	922.6	851.7	786.7	729.6	676.9	626.0	584.2	547.0	516.6
52.5°	1212.2	1123.9	1036.4	949.4	871.7	803.4	744.2	689.5	638.9	593.8	571.0
55°	1344.8	1238.5	1143.5	1050.9	958.3	877.9	807.4	752.2	708.0	671.0	645.3
57.5°	1473.3	1351.7	1242.2	1143.5	1048.0	952.9	885.5	830.1	784.6	744.3	716.7
60°	1596.1	1460.0	1335.1	1225.7	1137.3	1049.8	966.2	903.5	856.0	815.7	784.5
62.5°	1719.6	1560.0	1429.3	1322.2	1225.8	1136.9	1048.6	976.4	921.9	880.4	847.8
65°	1829.0	1675.8	1529.3	1413.3	1310.5	1215.6	1126.1	1041.7	983.9	941.7	910.0
67.5°	1941.4	1784.1	1630.8	1495.6	1387.5	1287.0	1195.6	1109.6	1044.3	998.8	966.9
70°	2032.7	1876.1	1724.1	1567.7	1455.4	1354.3	1258.9	1171.5	1098.4	1051.2	1018.9
72.5°	2113.9	1953.1	1791.6	1639.0	1509.9	1413.3	1315.4	1229.4	1147.9	1100.9	1069.1
75°	2172.3	2022.2	1848.9	1695.6	1551.2	1462.8	1360.9	1266.0	1188.5	1141.5	1113.6
77.5°	2221.0	2078.5	1896.9	1740.3	1595.9	1485.8	1384.8	1290.3	1217.4	1175.3	1154.6
80°	2255.5	2118.1	1948.5	1777.1	1629.1	1505.9	1402.8	1307.8	1238.3	1203.5	1192.6
82.5°	2285.6	2151.0	1987.8	1805.1	1652.2	1522.9	1415.0	1319.2	1252.7	1227.3	1228.3
85°	2304.1	2173.7	2014.2	1823.9	1665.9	1536.1	1421.7	1325.3	1262.2	1248.2	1262.3
87.5°	2311.4	2191.5	2034.2	1838.0	1674.4	1547.5	1425.4	1328.4	1268.6	1267.1	1295.2
90°	2307.8	2186.0	2027.3	1831.9	1667.9	1546.9	1419.7	1325.6	1273.6	1287.0	1328.2
92.5°	2311.4	2191.5	2034.2	1838.0	1674.4	1547.5	1425.4	1328.4	1268.6	1267.1	1295.2
95°	2304.1	2173.7	2014.2	1823.9	1665.9	1536.1	1421.7	1325.3	1262.2	1248.2	1262.3
97.5°	2285.6	2151.0	1987.8	1805.1	1652.2	1522.9	1415.0	1319.2	1252.7	1227.3	1228.3
100°	2255.5	2118.1	1948.5	1777.1	1629.1	1505.9	1402.8	1307.8	1238.3	1203.5	1192.6
102.5°	2221.0	2078.5	1896.9	1740.3	1595.9	1485.8	1384.8	1290.3	1217.4	1175.3	1154.6
105°	2172.3	2022.2	1848.9	1695.6	1551.2	1462.8	1360.9	1266.0	1188.5	1141.5	1113.6
107.5°	2113.9	1953.1	1791.6	1639.0	1509.9	1413.3	1315.4	1229.4	1147.9	1100.9	1069.1
110°	2032.7	1876.1	1724.1	1567.7	1455.4	1354.3	1258.9	1171.5	1098.4	1051.2	1018.9



TEST NUMBER: P231987

CATALOG NUMBER: FVS4WM-4-LD4-50-2STD-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°	1941.4	1784.1	1630.8	1495.6	1387.5	1287.0	1195.6	1109.6	1044.3	998.8	966.9
115°	1829.0	1675.8	1529.3	1413.3	1310.5	1215.6	1126.1	1041.7	983.9	941.7	910.0
117.5°	1719.6	1560.0	1429.3	1322.2	1225.8	1136.9	1048.6	976.4	921.9	880.4	847.8
120°	1596.1	1460.0	1335.1	1225.7	1137.3	1049.8	966.2	903.5	856.0	815.7	784.5
122.5°	1473.3	1351.7	1242.2	1143.5	1048.0	952.9	885.5	830.1	784.6	744.3	716.7
125°	1344.8	1238.5	1143.5	1050.9	958.3	877.9	807.4	752.2	708.0	671.0	645.3
127.5°	1212.2	1123.9	1036.4	949.4	871.7	803.4	744.2	689.5	638.9	593.8	571.0
130°	1081.7	1002.7	922.6	851.7	786.7	729.6	676.9	626.0	584.2	547.0	516.6
132.5°	948.7	879.3	815.9	755.2	704.4	655.1	607.6	567.7	531.1	504.1	481.3
135°	819.7	762.6	713.9	667.2	623.2	579.6	544.1	509.8	486.3	464.0	447.1
137.5°	699.1	658.8	618.4	580.9	545.2	513.2	483.6	463.3	443.3	427.9	417.1
140°	602.7	560.5	527.8	500.6	475.0	452.8	435.6	419.1	405.3	395.1	389.7
142.5°	518.8	485.2	452.3	432.4	417.9	403.6	391.2	379.2	371.4	366.6	365.3
145°	453.0	426.3	405.3	384.3	369.3	359.8	349.5	345.8	341.7	341.5	342.6
147.5°	401.6	383.0	366.4	350.4	334.2	322.6	318.1	315.6	316.9	318.0	320.3
150°	357.8	344.2	331.3	321.2	311.9	302.7	297.5	293.1	292.9	295.4	297.8
152.5°	321.1	313.0	304.8	297.7	292.4	287.4	283.5	280.0	277.7	275.5	272.2
155°	291.9	287.0	282.2	277.5	273.5	270.0	266.9	264.0	260.7	257.5	254.9
157.5°	265.4	262.0	258.6	255.4	252.3	249.4	246.4	243.4	240.4	234.5	228.4
160°	236.7	234.6	232.6	230.4	228.1	225.6	222.3	218.1	213.5	208.5	202.5
162.5°	207.9	206.6	205.0	203.0	200.6	197.7	194.5	190.8	186.6	181.8	176.6
165°	178.3	177.3	175.9	174.3	172.4	170.0	167.3	164.1	160.5	156.2	151.4
167.5°	150.8	150.1	149.0	147.6	145.8	143.3	140.6	137.5	134.2	130.5	126.6
170°	123.5	122.4	121.2	119.7	117.9	116.0	113.9	111.6	109.2	106.6	103.7
172.5°	95.9	95.2	94.3	93.3	92.1	90.7	89.2	87.5	85.7	83.2	80.4
175°	68.0	67.1	66.1	65.0	63.8	62.4	61.0	59.4	57.7	55.9	54.1
177.5°	34.3	33.9	33.5	33.1	32.5	32.0	31.4	30.7	30.0	29.2	28.4
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: P231987

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	27.5	26.6	25.6	24.6	23.6	22.5	21.4	20.2	19.0	17.8	16.6
5°	52.1	50.0	47.9	45.9	43.9	41.7	39.5	37.3	35.0	32.6	30.2
7.5°	77.5	74.5	71.3	67.9	64.5	61.0	57.3	54.0	50.6	47.1	43.5
10°	100.7	97.4	94.2	89.6	85.1	80.5	75.8	70.9	65.9	61.3	56.6
12.5°	122.7	118.6	114.2	109.6	104.8	99.5	93.7	87.7	81.6	75.3	69.5
15°	146.3	140.8	135.9	129.5	123.6	117.4	111.0	104.0	96.9	89.6	82.1
17.5°	171.7	164.4	157.5	150.3	142.9	135.5	127.9	119.9	111.8	103.5	95.0
20°	195.8	188.5	180.7	172.2	163.4	154.2	145.2	135.9	126.3	117.0	107.6
22.5°	221.7	213.5	204.4	194.7	184.6	174.0	163.0	152.2	141.2	130.1	119.9
25°	246.4	238.5	229.4	218.2	208.8	199.2	189.3	179.1	168.9	158.3	148.1
27.5°	271.7	267.6	261.2	253.9	244.2	234.0	223.4	212.3	201.2	190.0	178.6
30°	298.1	297.6	293.9	286.7	278.4	267.8	256.7	245.1	233.7	221.3	209.3
32.5°	322.7	323.3	322.6	318.1	310.2	300.5	289.2	277.2	264.5	252.0	239.4
35°	344.7	347.3	347.7	346.8	340.5	331.9	320.7	309.5	295.6	282.2	269.3
37.5°	366.5	368.9	371.6	371.5	370.9	361.2	351.2	339.2	326.1	312.0	298.8
40°	388.5	390.0	393.0	395.5	394.8	389.8	380.6	368.8	356.0	341.7	327.9
42.5°	411.1	411.5	413.6	417.3	418.5	417.8	408.4	397.7	385.4	371.0	356.6
45°	437.5	432.1	434.5	437.9	441.7	441.3	435.6	425.8	413.7	399.8	385.0
47.5°	463.1	456.5	454.8	457.9	462.6	467.6	470.0	462.3	450.2	434.2	415.1
50°	495.5	484.0	493.4	509.6	521.5	527.1	524.7	511.9	494.2	472.5	447.0
52.5°	558.4	557.3	568.4	581.7	591.3	591.0	581.8	564.4	540.6	512.6	480.5
55°	631.7	630.9	640.0	656.1	664.8	658.5	642.9	619.4	589.2	554.2	515.3
57.5°	701.9	699.9	708.4	729.6	738.5	730.3	707.5	676.7	639.6	597.2	551.3
60°	766.0	765.8	777.7	799.6	814.0	806.1	775.4	736.1	691.3	641.6	588.2
62.5°	830.0	830.1	843.7	867.4	890.9	885.4	845.9	797.3	744.6	687.2	626.0
65°	891.3	889.8	906.6	933.1	968.9	962.6	918.2	860.6	799.1	733.7	664.5
67.5°	948.3	945.4	966.7	998.1	1038.1	1038.5	992.8	925.6	854.6	781.1	703.5
70°	1002.1	1001.3	1026.1	1059.7	1093.2	1089.2	1034.8	954.7	873.2	793.6	711.9
72.5°	1051.9	1047.6	1064.7	1089.5	1108.7	1098.9	1043.4	960.8	876.5	796.8	715.1
75°	1096.5	1089.8	1101.6	1122.9	1129.8	1110.7	1051.1	966.1	878.7	799.0	717.4
77.5°	1139.8	1131.9	1139.2	1159.2	1155.6	1123.9	1057.8	970.4	880.0	800.4	719.0
80°	1182.1	1174.0	1177.3	1197.9	1184.8	1137.9	1063.5	973.7	880.2	800.8	719.8
82.5°	1223.5	1216.1	1216.1	1238.2	1216.3	1152.3	1068.1	975.9	879.4	800.4	722.5
85°	1264.2	1258.1	1255.5	1279.5	1249.0	1169.8	1074.3	979.7	879.4	800.6	720.3
87.5°	1304.5	1300.0	1295.3	1321.6	1282.7	1180.4	1074.0	977.4	875.3	797.4	718.2
90°	1344.4	1341.7	1336.3	1362.3	1313.0	1191.1	1073.7	975.1	871.2	794.1	716.1
92.5°	1304.5	1300.0	1295.3	1321.6	1282.7	1180.4	1074.0	977.4	875.3	797.4	718.2
95°	1264.2	1258.1	1255.5	1279.5	1249.0	1169.8	1074.3	979.7	879.4	800.6	720.3
97.5°	1223.5	1216.1	1216.1	1238.2	1216.3	1152.3	1068.1	975.9	879.4	800.4	722.5
100°	1182.1	1174.0	1177.3	1197.9	1184.8	1137.9	1063.5	973.7	880.2	800.8	719.8
102.5°	1139.8	1131.9	1139.2	1159.2	1155.6	1123.9	1057.8	970.4	880.0	800.4	719.0
105°	1096.5	1089.8	1101.6	1122.9	1129.8	1110.7	1051.1	966.1	878.7	799.0	717.4
107.5°	1051.9	1047.6	1064.7	1089.5	1108.7	1098.9	1043.4	960.8	876.5	796.8	715.1
110°	1002.1	1001.3	1026.1	1059.7	1093.2	1089.2	1034.8	954.7	873.2	793.6	711.9



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	948.3	945.4	966.7	998.1	1038.1	1038.5	992.8	925.6	854.6	781.1	703.5
115°	891.3	889.8	906.6	933.1	968.9	962.6	918.2	860.6	799.1	733.7	664.5
117.5°	830.0	830.1	843.7	867.4	890.9	885.4	845.9	797.3	744.6	687.2	626.0
120°	766.0	765.8	777.7	799.6	814.0	806.1	775.4	736.1	691.3	641.6	588.2
122.5°	701.9	699.9	708.4	729.6	738.5	730.3	707.5	676.7	639.6	597.2	551.3
125°	631.7	630.9	640.0	656.1	664.8	658.5	642.9	619.4	589.2	554.2	515.3
127.5°	558.4	557.3	568.4	581.7	591.3	591.0	581.8	564.4	540.6	512.6	480.5
130°	495.5	484.0	493.4	509.6	521.5	527.1	524.7	511.9	494.2	472.5	447.0
132.5°	463.1	456.5	454.8	457.9	462.6	467.6	470.0	462.3	450.2	434.2	415.1
135°	437.5	432.1	434.5	437.9	441.7	441.3	435.6	425.8	413.7	399.8	385.0
137.5°	411.1	411.5	413.6	417.3	418.5	417.8	408.4	397.7	385.4	371.0	356.6
140°	388.5	390.0	393.0	395.5	394.8	389.8	380.6	368.8	356.0	341.7	327.9
142.5°	366.5	368.9	371.6	371.5	370.9	361.2	351.2	339.2	326.1	312.0	298.8
145°	344.7	347.3	347.7	346.8	340.5	331.9	320.7	309.5	295.6	282.2	269.3
147.5°	322.7	323.3	322.6	318.1	310.2	300.5	289.2	277.2	264.5	252.0	239.4
150°	298.1	297.6	293.9	286.7	278.4	267.8	256.7	245.1	233.7	221.3	209.3
152.5°	271.7	267.6	261.2	253.9	244.2	234.0	223.4	212.3	201.2	190.0	178.6
155°	246.4	238.5	229.4	218.2	208.8	199.2	189.3	179.1	168.9	158.3	148.1
157.5°	221.7	213.5	204.4	194.7	184.6	174.0	163.0	152.2	141.2	130.1	119.9
160°	195.8	188.5	180.7	172.2	163.4	154.2	145.2	135.9	126.3	117.0	107.6
162.5°	171.7	164.4	157.5	150.3	142.9	135.5	127.9	119.9	111.8	103.5	95.0
165°	146.3	140.8	135.9	129.5	123.6	117.4	111.0	104.0	96.9	89.6	82.1
167.5°	122.7	118.6	114.2	109.6	104.8	99.5	93.7	87.7	81.6	75.3	69.5
170°	100.7	97.4	94.2	89.6	85.1	80.5	75.8	70.9	65.9	61.3	56.6
172.5°	77.5	74.5	71.3	67.9	64.5	61.0	57.3	54.0	50.6	47.1	43.5
175°	52.1	50.0	47.9	45.9	43.9	41.7	39.5	37.3	35.0	32.6	30.2
177.5°	27.5	26.6	25.6	24.6	23.6	22.5	21.4	20.2	19.0	17.8	16.6
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: P231987

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	15.3	14.0	12.7	11.4	11.3	11.2	11.1	11.0	10.8	10.7	10.5
5°	27.7	25.2	22.6	20.0	19.8	19.6	19.3	19.0	18.7	18.4	18.0
7.5°	39.9	36.2	32.5	28.7	28.3	27.9	27.4	26.9	26.4	25.8	25.2
10°	51.9	47.2	42.3	37.4	36.8	36.1	35.4	34.6	33.8	33.0	32.6
12.5°	63.8	57.9	52.0	46.0	45.2	44.2	43.2	42.1	41.2	40.6	40.1
15°	75.4	68.6	61.7	54.7	53.5	52.2	50.8	49.5	48.9	48.2	47.4
17.5°	86.8	79.1	71.3	63.4	61.8	60.1	58.3	57.2	56.4	55.6	54.6
20°	98.0	89.4	80.8	72.0	70.0	67.9	65.8	64.9	63.9	62.9	61.6
22.5°	109.4	99.6	90.2	80.7	78.2	75.6	73.6	72.5	71.3	70.0	68.6
25°	137.7	127.3	117.2	106.7	103.2	99.3	96.1	93.2	90.1	86.8	83.3
27.5°	167.2	155.4	144.3	132.7	128.2	123.2	119.3	115.3	111.1	106.8	102.2
30°	196.6	183.7	171.4	158.7	153.0	147.0	142.0	136.8	131.5	126.0	120.3
32.5°	226.0	212.0	198.5	184.7	177.8	170.7	164.4	157.8	151.3	144.5	137.5
35°	255.3	240.3	225.6	210.6	202.5	194.2	186.3	178.4	170.5	162.3	153.9
37.5°	284.6	268.6	252.7	236.6	227.1	217.4	207.9	198.6	189.6	179.4	169.7
40°	313.7	296.8	279.8	262.6	251.6	240.4	229.1	218.3	207.3	195.8	184.9
42.5°	342.7	325.0	306.9	288.6	276.0	263.1	250.4	237.7	224.9	212.1	199.5
45°	371.1	353.1	334.0	314.6	300.4	285.7	270.8	256.7	242.0	227.4	213.5
47.5°	396.7	374.9	351.9	329.3	312.3	295.3	279.1	264.4	249.8	236.0	222.3
50°	422.9	396.8	369.9	344.1	323.8	304.1	285.8	269.6	254.3	240.5	225.9
52.5°	450.1	419.1	388.0	358.8	335.2	312.7	292.5	274.8	258.9	245.3	230.2
55°	478.0	441.8	406.2	373.5	346.5	321.1	298.9	280.1	263.9	250.4	235.1
57.5°	506.7	464.7	424.6	388.3	357.7	329.3	305.3	285.6	269.3	255.8	240.5
60°	536.0	487.8	443.0	403.0	368.7	337.4	311.6	291.1	275.0	261.3	247.2
62.5°	565.8	511.2	461.4	417.7	379.7	345.4	317.8	296.7	280.8	267.3	253.5
65°	596.1	534.7	479.9	432.5	390.7	353.3	324.0	302.5	286.9	273.7	261.0
67.5°	626.6	558.3	498.4	447.2	401.6	361.2	330.2	308.3	293.2	280.5	268.9
70°	632.6	563.4	501.5	447.7	399.7	359.0	328.2	306.6	292.3	280.8	271.1
72.5°	636.1	567.6	504.4	448.2	397.8	356.7	325.8	303.9	289.8	278.8	269.9
75°	639.0	571.6	509.4	448.7	395.9	354.6	323.5	301.3	287.5	277.1	268.8
77.5°	641.4	575.4	511.5	449.2	394.1	352.6	321.4	298.8	285.2	275.6	268.0
80°	643.2	581.0	513.7	449.7	392.3	350.8	319.5	296.5	283.1	274.4	267.4
82.5°	646.2	583.4	515.9	450.2	390.7	349.1	317.8	294.3	281.2	273.2	266.9
85°	646.2	585.8	518.1	450.7	389.1	347.6	316.3	292.2	279.3	272.3	266.6
87.5°	646.2	588.2	520.3	451.2	387.7	346.3	314.9	290.3	277.6	271.4	266.3
90°	646.2	590.6	522.5	451.7	386.3	345.1	313.7	288.6	276.0	270.7	266.2
92.5°	646.2	588.2	520.3	451.2	387.7	346.3	314.9	290.3	277.6	271.4	266.3
95°	646.2	585.8	518.1	450.7	389.1	347.6	316.3	292.2	279.3	272.3	266.6
97.5°	646.2	583.4	515.9	450.2	390.7	349.1	317.8	294.3	281.2	273.2	266.9
100°	643.2	581.0	513.7	449.7	392.3	350.8	319.5	296.5	283.1	274.4	267.4
102.5°	641.4	575.4	511.5	449.2	394.1	352.6	321.4	298.8	285.2	275.6	268.0
105°	639.0	571.6	509.4	448.7	395.9	354.6	323.5	301.3	287.5	277.1	268.8
107.5°	636.1	567.6	504.4	448.2	397.8	356.7	325.8	303.9	289.8	278.8	269.9
110°	632.6	563.4	501.5	447.7	399.7	359.0	328.2	306.6	292.3	280.8	271.1



TEST NUMBER: P231987

CATALOG NUMBER: FVS4WM-4-LD4-50-2STD-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°	626.6	558.3	498.4	447.2	401.6	361.2	330.2	308.3	293.2	280.5	268.9
115°	596.1	534.7	479.9	432.5	390.7	353.3	324.0	302.5	286.9	273.7	261.0
117.5°	565.8	511.2	461.4	417.7	379.7	345.4	317.8	296.7	280.8	267.3	253.5
120°	536.0	487.8	443.0	403.0	368.7	337.4	311.6	291.1	275.0	261.3	247.2
122.5°	506.7	464.7	424.6	388.3	357.7	329.3	305.3	285.6	269.3	255.8	240.5
125°	478.0	441.8	406.2	373.5	346.5	321.1	298.9	280.1	263.9	250.4	235.1
127.5°	450.1	419.1	388.0	358.8	335.2	312.7	292.5	274.8	258.9	245.3	230.2
130°	422.9	396.8	369.9	344.1	323.8	304.1	285.8	269.6	254.3	240.5	225.9
132.5°	396.7	374.9	351.9	329.3	312.3	295.3	279.1	264.4	249.8	236.0	222.3
135°	371.1	353.1	334.0	314.6	300.4	285.7	270.8	256.7	242.0	227.4	213.5
137.5°	342.7	325.0	306.9	288.6	276.0	263.1	250.4	237.7	224.9	212.1	199.5
140°	313.7	296.8	279.8	262.6	251.6	240.4	229.1	218.3	207.3	195.8	184.9
142.5°	284.6	268.6	252.7	236.6	227.1	217.4	207.9	198.6	189.6	179.4	169.7
145°	255.3	240.3	225.6	210.6	202.5	194.2	186.3	178.4	170.5	162.3	153.9
147.5°	226.0	212.0	198.5	184.7	177.8	170.7	164.4	157.8	151.3	144.5	137.5
150°	196.6	183.7	171.4	158.7	153.0	147.0	142.0	136.8	131.5	126.0	120.3
152.5°	167.2	155.4	144.3	132.7	128.2	123.2	119.3	115.3	111.1	106.8	102.2
155°	137.7	127.3	117.2	106.7	103.2	99.3	96.1	93.2	90.1	86.8	83.3
157.5°	109.4	99.6	90.2	80.7	78.2	75.6	73.6	72.5	71.3	70.0	68.6
160°	98.0	89.4	80.8	72.0	70.0	67.9	65.8	64.9	63.9	62.9	61.6
162.5°	86.8	79.1	71.3	63.4	61.8	60.1	58.3	57.2	56.4	55.6	54.6
165°	75.4	68.6	61.7	54.7	53.5	52.2	50.8	49.5	48.9	48.2	47.4
167.5°	63.8	57.9	52.0	46.0	45.2	44.2	43.2	42.1	41.2	40.6	40.1
170°	51.9	47.2	42.3	37.4	36.8	36.1	35.4	34.6	33.8	33.0	32.6
172.5°	39.9	36.2	32.5	28.7	28.3	27.9	27.4	26.9	26.4	25.8	25.2
175°	27.7	25.2	22.6	20.0	19.8	19.6	19.3	19.0	18.7	18.4	18.0
177.5°	15.3	14.0	12.7	11.4	11.3	11.2	11.1	11.0	10.8	10.7	10.5
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: P231987

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	10.3	10.2	9.9	9.7	9.5	9.3	9.0	8.7	8.5	8.2	7.9
5°	17.6	17.2	16.7	16.3	15.8	15.4	15.1	14.7	14.3	13.9	13.4
7.5°	24.6	24.2	23.8	23.3	22.8	22.3	21.8	21.2	20.6	19.9	19.2
10°	32.1	31.5	31.0	30.3	29.7	28.9	28.0	27.2	26.3	25.3	24.3
12.5°	39.4	38.7	37.9	37.0	36.0	35.0	34.0	32.9	31.6	30.3	29.0
15°	46.6	45.6	44.5	43.4	42.3	41.0	39.6	38.2	36.7	35.2	33.8
17.5°	53.5	52.3	51.1	49.7	48.2	46.7	45.1	43.6	42.0	40.4	38.8
20°	60.3	59.0	57.4	55.8	54.2	52.5	50.8	49.1	47.3	45.3	43.4
22.5°	67.1	65.4	63.7	61.9	60.1	58.3	56.3	54.3	52.2	50.0	47.6
25°	79.6	75.7	71.8	68.0	65.9	63.8	61.6	59.3	56.8	54.1	51.5
27.5°	97.5	92.7	87.9	83.1	78.2	73.3	68.5	63.8	60.9	58.0	55.1
30°	114.4	108.7	102.9	96.9	90.8	84.8	78.9	73.3	68.0	62.8	58.8
32.5°	130.5	123.7	116.5	109.1	101.8	94.6	87.8	81.6	75.6	70.3	65.3
35°	145.8	137.7	128.6	119.8	111.1	103.0	95.7	88.7	82.3	76.3	70.6
37.5°	160.4	150.1	139.5	129.2	119.3	110.7	102.4	94.7	87.7	81.2	75.3
40°	173.9	161.4	149.2	137.3	127.0	117.2	108.1	99.7	92.3	85.7	79.8
42.5°	186.0	171.6	157.8	145.1	133.7	122.8	112.8	104.3	96.8	90.0	83.5
45°	197.3	181.1	165.5	152.2	139.5	127.4	117.5	108.6	101.0	93.5	86.4
47.5°	205.7	189.3	173.2	158.6	144.5	132.2	121.6	113.0	104.4	96.2	88.8
50°	209.5	193.5	178.6	164.0	149.1	136.8	126.2	116.7	107.1	98.4	90.4
52.5°	214.3	198.7	184.3	169.6	156.3	144.5	133.9	121.7	109.3	100.0	91.6
55°	219.9	205.1	190.6	176.0	164.4	154.1	143.4	130.7	117.8	105.1	93.1
57.5°	226.2	211.9	197.6	184.1	173.5	164.7	153.1	139.9	126.2	112.5	100.0
60°	233.2	219.3	205.3	193.5	184.4	175.9	163.4	149.1	134.1	119.6	106.3
62.5°	240.9	227.1	213.5	203.6	196.1	186.7	173.5	158.1	141.5	126.4	112.0
65°	248.9	235.5	222.4	214.5	208.6	198.0	183.4	166.4	148.9	132.7	117.2
67.5°	257.3	244.4	232.9	226.3	221.9	209.8	193.5	174.5	156.1	138.7	121.8
70°	261.0	250.0	241.7	238.2	233.9	221.2	203.5	182.4	163.2	144.5	126.0
72.5°	260.2	250.0	242.7	239.1	234.2	223.2	207.5	188.3	169.9	150.2	129.9
75°	259.7	250.4	243.6	239.7	233.3	222.3	207.0	188.4	169.5	150.7	132.8
77.5°	259.6	251.2	244.5	240.2	232.8	222.3	207.5	189.0	169.8	150.8	134.3
80°	259.8	252.3	245.5	240.6	232.5	223.0	209.0	190.1	170.6	151.9	136.4
82.5°	260.2	253.7	246.5	240.9	232.5	224.4	211.4	191.8	172.2	154.0	139.0
85°	260.9	255.3	247.6	241.2	232.7	226.4	214.5	194.2	174.4	156.8	142.3
87.5°	261.7	257.1	248.8	241.5	233.2	228.7	218.2	197.1	177.3	160.5	146.1
90°	262.6	259.0	250.1	242.0	233.9	231.2	222.3	200.8	181.0	164.9	150.6
92.5°	261.7	257.1	248.8	241.5	233.2	228.7	218.2	197.1	177.3	160.5	146.1
95°	260.9	255.3	247.6	241.2	232.7	226.4	214.5	194.2	174.4	156.8	142.3
97.5°	260.2	253.7	246.5	240.9	232.5	224.4	211.4	191.8	172.2	154.0	139.0
100°	259.8	252.3	245.5	240.6	232.5	223.0	209.0	190.1	170.6	151.9	136.4
102.5°	259.6	251.2	244.5	240.2	232.8	222.3	207.5	189.0	169.8	150.8	134.3
105°	259.7	250.4	243.6	239.7	233.3	222.3	207.0	188.4	169.5	150.7	132.8
107.5°	260.2	250.0	242.7	239.1	234.2	223.2	207.5	188.3	169.9	150.2	129.9
110°	261.0	250.0	241.7	238.2	233.9	221.2	203.5	182.4	163.2	144.5	126.0



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	257.3	244.4	232.9	226.3	221.9	209.8	193.5	174.5	156.1	138.7	121.8
115°	248.9	235.5	222.4	214.5	208.6	198.0	183.4	166.4	148.9	132.7	117.2
117.5°	240.9	227.1	213.5	203.6	196.1	186.7	173.5	158.1	141.5	126.4	112.0
120°	233.2	219.3	205.3	193.5	184.4	175.9	163.4	149.1	134.1	119.6	106.3
122.5°	226.2	211.9	197.6	184.1	173.5	164.7	153.1	139.9	126.2	112.5	100.0
125°	219.9	205.1	190.6	176.0	164.4	154.1	143.4	130.7	117.8	105.1	93.1
127.5°	214.3	198.7	184.3	169.6	156.3	144.5	133.9	121.7	109.3	100.0	91.6
130°	209.5	193.5	178.6	164.0	149.1	136.8	126.2	116.7	107.1	98.4	90.4
132.5°	205.7	189.3	173.2	158.6	144.5	132.2	121.6	113.0	104.4	96.2	88.8
135°	197.3	181.1	165.5	152.2	139.5	127.4	117.5	108.6	101.0	93.5	86.4
137.5°	186.0	171.6	157.8	145.1	133.7	122.8	112.8	104.3	96.8	90.0	83.5
140°	173.9	161.4	149.2	137.3	127.0	117.2	108.1	99.7	92.3	85.7	79.8
142.5°	160.4	150.1	139.5	129.2	119.3	110.7	102.4	94.7	87.7	81.2	75.3
145°	145.8	137.7	128.6	119.8	111.1	103.0	95.7	88.7	82.3	76.3	70.6
147.5°	130.5	123.7	116.5	109.1	101.8	94.6	87.8	81.6	75.6	70.3	65.3
150°	114.4	108.7	102.9	96.9	90.8	84.8	78.9	73.3	68.0	62.8	58.8
152.5°	97.5	92.7	87.9	83.1	78.2	73.3	68.5	63.8	60.9	58.0	55.1
155°	79.6	75.7	71.8	68.0	65.9	63.8	61.6	59.3	56.8	54.1	51.5
157.5°	67.1	65.4	63.7	61.9	60.1	58.3	56.3	54.3	52.2	50.0	47.6
160°	60.3	59.0	57.4	55.8	54.2	52.5	50.8	49.1	47.3	45.3	43.4
162.5°	53.5	52.3	51.1	49.7	48.2	46.7	45.1	43.6	42.0	40.4	38.8
165°	46.6	45.6	44.5	43.4	42.3	41.0	39.6	38.2	36.7	35.2	33.8
167.5°	39.4	38.7	37.9	37.0	36.0	35.0	34.0	32.9	31.6	30.3	29.0
170°	32.1	31.5	31.0	30.3	29.7	28.9	28.0	27.2	26.3	25.3	24.3
172.5°	24.6	24.2	23.8	23.3	22.8	22.3	21.8	21.2	20.6	19.9	19.2
175°	17.6	17.2	16.7	16.3	15.8	15.4	15.1	14.7	14.3	13.9	13.4
177.5°	10.3	10.2	9.9	9.7	9.5	9.3	9.0	8.7	8.5	8.2	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: P231987

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	7.6	7.3	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.6	4.3
5°	12.9	12.5	12.0	11.4	10.9	10.3	9.7	9.2	8.6	7.9	7.3
7.5°	18.4	17.6	16.8	16.0	15.1	14.2	13.3	12.4	11.5	10.5	9.6
10°	23.3	22.2	21.1	19.9	18.7	17.4	16.2	14.9	13.7	12.4	11.1
12.5°	27.6	26.2	24.8	23.4	22.1	20.7	19.3	17.9	16.5	15.0	13.5
15°	32.3	30.8	29.3	27.8	26.2	24.5	22.7	21.0	19.2	17.4	15.6
17.5°	37.1	35.2	33.4	31.5	29.6	27.7	25.6	23.6	21.5	19.4	17.4
20°	41.4	39.3	37.1	34.8	32.6	30.3	28.1	25.8	23.5	21.2	18.9
22.5°	45.2	42.8	40.3	37.8	35.4	32.9	30.4	27.9	25.4	23.0	20.5
25°	48.8	46.1	43.4	40.7	38.1	35.5	32.9	30.2	27.5	24.7	21.9
27.5°	52.1	49.4	46.7	43.9	41.0	38.0	35.0	32.0	29.1	26.2	23.3
30°	55.9	53.0	49.7	46.5	43.3	40.2	37.2	34.1	31.0	28.0	24.9
32.5°	60.3	55.8	52.4	49.2	45.9	42.8	39.7	36.5	33.3	30.1	26.8
35°	65.2	60.5	55.9	52.2	49.1	45.8	42.5	39.1	35.7	32.2	28.5
37.5°	70.0	65.0	60.5	56.2	52.4	48.9	45.3	41.5	37.7	33.8	29.9
40°	74.2	68.9	64.2	59.8	55.6	51.6	47.6	43.5	39.5	35.4	31.2
42.5°	77.5	72.0	67.0	62.1	57.6	53.5	49.6	45.4	40.6	35.9	31.4
45°	80.1	74.2	68.7	63.6	59.0	54.6	50.0	45.6	41.1	36.5	32.1
47.5°	81.9	75.6	69.8	64.6	59.3	54.2	49.7	45.6	41.8	37.3	32.8
50°	83.1	76.5	70.5	64.5	58.9	54.0	49.5	45.3	41.6	37.8	33.1
52.5°	84.0	77.1	70.3	64.1	58.6	53.6	49.0	44.7	40.7	37.0	32.9
55°	84.5	77.0	70.0	63.7	58.2	53.0	48.0	43.6	39.6	35.8	32.3
57.5°	88.3	77.2	69.7	63.4	57.5	51.8	47.0	42.7	38.7	34.9	31.4
60°	93.6	81.9	71.8	62.9	56.2	51.0	46.4	42.1	38.0	34.3	30.6
62.5°	98.3	85.9	75.7	65.5	56.7	50.7	45.9	41.7	37.7	34.0	30.0
65°	102.2	90.1	79.0	68.5	60.1	52.4	45.8	41.6	37.9	33.5	28.8
67.5°	106.2	94.2	82.0	71.9	63.0	54.9	48.0	42.5	37.6	32.7	28.1
70°	110.8	97.7	85.5	75.0	65.5	57.0	50.1	43.6	37.4	32.7	27.3
72.5°	115.4	101.4	89.0	78.0	67.9	59.0	51.4	43.5	37.1	31.5	26.3
75°	119.1	105.4	92.6	80.9	69.9	60.8	51.6	43.0	35.6	29.0	24.2
77.5°	120.3	106.8	94.4	83.0	72.0	62.1	51.4	41.7	33.3	26.4	21.0
80°	122.2	108.4	95.8	83.8	72.6	62.0	50.9	40.2	31.0	23.3	17.3
82.5°	124.7	110.4	97.8	85.0	73.4	61.9	50.4	39.7	29.8	20.8	13.4
85°	127.9	113.0	100.4	86.7	74.6	62.6	50.6	40.2	29.8	20.5	12.3
87.5°	131.7	116.2	103.6	89.1	76.4	64.0	51.7	41.6	30.5	20.9	12.4
90°	136.2	120.1	107.5	92.3	78.9	66.3	53.8	43.9	32.3	22.4	13.4
92.5°	131.7	116.2	103.6	89.1	76.4	64.0	51.7	41.6	30.5	20.9	12.4
95°	127.9	113.0	100.4	86.7	74.6	62.6	50.6	40.2	29.8	20.5	12.3
97.5°	124.7	110.4	97.8	85.0	73.4	61.9	50.4	39.7	29.8	20.8	13.4
100°	122.2	108.4	95.8	83.8	72.6	62.0	50.9	40.2	31.0	23.3	17.3
102.5°	120.3	106.8	94.4	83.0	72.0	62.1	51.4	41.7	33.3	26.4	21.0
105°	119.1	105.4	92.6	80.9	69.9	60.8	51.6	43.0	35.6	29.0	24.2
107.5°	115.4	101.4	89.0	78.0	67.9	59.0	51.4	43.5	37.1	31.5	26.3
110°	110.8	97.7	85.5	75.0	65.5	57.0	50.1	43.6	37.4	32.7	27.3



TEST NUMBER: P231987

CATALOG NUMBER: FVS4WM-4-LD4-50-2STD-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°	106.2	94.2	82.0	71.9	63.0	54.9	48.0	42.5	37.6	32.7	28.1
115°	102.2	90.1	79.0	68.5	60.1	52.4	45.8	41.6	37.9	33.5	28.8
117.5°	98.3	85.9	75.7	65.5	56.7	50.7	45.9	41.7	37.7	34.0	30.0
120°	93.6	81.9	71.8	62.9	56.2	51.0	46.4	42.1	38.0	34.3	30.6
122.5°	88.3	77.2	69.7	63.4	57.5	51.8	47.0	42.7	38.7	34.9	31.4
125°	84.5	77.0	70.0	63.7	58.2	53.0	48.0	43.6	39.6	35.8	32.3
127.5°	84.0	77.1	70.3	64.1	58.6	53.6	49.0	44.7	40.7	37.0	32.9
130°	83.1	76.5	70.5	64.5	58.9	54.0	49.5	45.3	41.6	37.8	33.1
132.5°	81.9	75.6	69.8	64.6	59.3	54.2	49.7	45.6	41.8	37.3	32.8
135°	80.1	74.2	68.7	63.6	59.0	54.6	50.0	45.6	41.1	36.5	32.1
137.5°	77.5	72.0	67.0	62.1	57.6	53.5	49.6	45.4	40.6	35.9	31.4
140°	74.2	68.9	64.2	59.8	55.6	51.6	47.6	43.5	39.5	35.4	31.2
142.5°	70.0	65.0	60.5	56.2	52.4	48.9	45.3	41.5	37.7	33.8	29.9
145°	65.2	60.5	55.9	52.2	49.1	45.8	42.5	39.1	35.7	32.2	28.5
147.5°	60.3	55.8	52.4	49.2	45.9	42.8	39.7	36.5	33.3	30.1	26.8
150°	55.9	53.0	49.7	46.5	43.3	40.2	37.2	34.1	31.0	28.0	24.9
152.5°	52.1	49.4	46.7	43.9	41.0	38.0	35.0	32.0	29.1	26.2	23.3
155°	48.8	46.1	43.4	40.7	38.1	35.5	32.9	30.2	27.5	24.7	21.9
157.5°	45.2	42.8	40.3	37.8	35.4	32.9	30.4	27.9	25.4	23.0	20.5
160°	41.4	39.3	37.1	34.8	32.6	30.3	28.1	25.8	23.5	21.2	18.9
162.5°	37.1	35.2	33.4	31.5	29.6	27.7	25.6	23.6	21.5	19.4	17.4
165°	32.3	30.8	29.3	27.8	26.2	24.5	22.7	21.0	19.2	17.4	15.6
167.5°	27.6	26.2	24.8	23.4	22.1	20.7	19.3	17.9	16.5	15.0	13.5
170°	23.3	22.2	21.1	19.9	18.7	17.4	16.2	14.9	13.7	12.4	11.1
172.5°	18.4	17.6	16.8	16.0	15.1	14.2	13.3	12.4	11.5	10.5	9.6
175°	12.9	12.5	12.0	11.4	10.9	10.3	9.7	9.2	8.6	7.9	7.3
177.5°	7.6	7.3	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.6	4.3
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: P231987

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.9	3.6	3.2	2.9	2.5	2.2	1.8	2.2	2.5	2.9	3.2
5°	6.7	6.0	5.4	4.7	4.1	3.4	2.7	3.4	4.1	4.7	5.4
7.5°	8.6	7.6	6.7	5.7	4.7	3.7	2.7	3.7	4.7	5.7	6.7
10°	9.7	8.4	7.1	5.8	4.4	3.1	1.8	3.1	4.4	5.8	7.1
12.5°	12.0	10.5	9.0	7.4	5.9	4.3	2.7	4.3	5.9	7.4	9.0
15°	13.8	12.0	10.1	8.3	6.4	4.6	2.7	4.6	6.4	8.3	10.1
17.5°	15.3	13.2	11.1	9.0	6.9	4.8	2.7	4.8	6.9	9.0	11.1
20°	16.6	14.3	12.0	9.7	7.3	5.0	2.7	5.0	7.3	9.7	12.0
22.5°	18.0	15.4	12.9	10.4	7.8	5.3	2.7	5.3	7.8	10.4	12.9
25°	19.2	16.4	13.7	10.9	8.2	5.4	2.7	5.4	8.2	10.9	13.7
27.5°	20.4	17.4	14.5	11.6	8.6	5.7	2.7	5.7	8.6	11.6	14.5
30°	21.8	18.7	15.5	12.3	9.1	5.9	2.7	5.9	9.1	12.3	15.5
32.5°	23.4	20.0	16.6	13.1	9.7	6.2	2.7	6.2	9.7	13.1	16.6
35°	24.8	21.2	17.5	13.8	10.1	6.4	2.7	6.4	10.1	13.8	17.5
37.5°	26.0	22.2	18.3	14.4	10.5	6.6	2.7	6.6	10.5	14.4	18.3
40°	26.9	22.7	18.6	14.6	10.6	6.6	2.7	6.6	10.6	14.6	18.6
42.5°	27.2	23.0	18.9	14.8	10.7	6.7	2.7	6.7	10.7	14.8	18.9
45°	27.8	23.6	19.5	15.5	11.5	7.6	3.6	7.6	11.5	15.5	19.5
47.5°	28.4	24.1	19.9	15.7	11.7	7.6	3.6	7.6	11.7	15.7	19.9
50°	28.6	24.1	19.7	15.6	11.5	7.5	3.6	7.5	11.5	15.6	19.7
52.5°	28.1	23.7	19.5	15.4	11.4	7.5	3.6	7.5	11.4	15.4	19.5
55°	28.0	23.6	19.4	15.3	11.3	7.4	3.6	7.4	11.3	15.3	19.4
57.5°	27.9	23.4	19.2	15.1	11.2	7.4	3.6	7.4	11.2	15.1	19.2
60°	27.1	22.9	18.5	14.4	10.6	7.1	3.6	7.1	10.6	14.4	18.5
62.5°	25.7	21.5	17.2	13.4	9.9	6.7	3.6	6.7	9.9	13.4	17.2
65°	24.3	19.9	15.9	12.4	9.3	6.4	3.6	6.4	9.3	12.4	15.9
67.5°	23.3	18.8	14.8	11.5	8.6	6.0	3.6	6.0	8.6	11.5	14.8
70°	22.2	17.7	13.6	9.9	7.3	5.3	3.6	5.3	7.3	9.9	13.6
72.5°	21.2	16.5	11.9	8.3	6.6	5.4	4.5	5.4	6.6	8.3	11.9
75°	20.3	15.3	11.1	7.6	5.7	4.9	4.5	4.9	5.7	7.6	11.1
77.5°	17.1	14.3	9.9	5.7	2.0	0.5	0.0	0.5	2.0	5.7	9.9
80°	12.8	10.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
82.5°	8.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	5.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	5.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	8.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	12.8	10.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
102.5°	17.1	14.3	9.9	5.7	2.0	0.5	0.0	0.5	2.0	5.7	9.9
105°	20.3	15.3	11.1	7.6	5.7	4.9	4.5	4.9	5.7	7.6	11.1
107.5°	21.2	16.5	11.9	8.3	6.6	5.4	4.5	5.4	6.6	8.3	11.9
110°	22.2	17.7	13.6	9.9	7.3	5.3	3.6	5.3	7.3	9.9	13.6



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	23.3	18.8	14.8	11.5	8.6	6.0	3.6	6.0	8.6	11.5	14.8
115°	24.3	19.9	15.9	12.4	9.3	6.4	3.6	6.4	9.3	12.4	15.9
117.5°	25.7	21.5	17.2	13.4	9.9	6.7	3.6	6.7	9.9	13.4	17.2
120°	27.1	22.9	18.5	14.4	10.6	7.1	3.6	7.1	10.6	14.4	18.5
122.5°	27.9	23.4	19.2	15.1	11.2	7.4	3.6	7.4	11.2	15.1	19.2
125°	28.0	23.6	19.4	15.3	11.3	7.4	3.6	7.4	11.3	15.3	19.4
127.5°	28.1	23.7	19.5	15.4	11.4	7.5	3.6	7.5	11.4	15.4	19.5
130°	28.6	24.1	19.7	15.6	11.5	7.5	3.6	7.5	11.5	15.6	19.7
132.5°	28.4	24.1	19.9	15.7	11.7	7.6	3.6	7.6	11.7	15.7	19.9
135°	27.8	23.6	19.5	15.5	11.5	7.6	3.6	7.6	11.5	15.5	19.5
137.5°	27.2	23.0	18.9	14.8	10.7	6.7	2.7	6.7	10.7	14.8	18.9
140°	26.9	22.7	18.6	14.6	10.6	6.6	2.7	6.6	10.6	14.6	18.6
142.5°	26.0	22.2	18.3	14.4	10.5	6.6	2.7	6.6	10.5	14.4	18.3
145°	24.8	21.2	17.5	13.8	10.1	6.4	2.7	6.4	10.1	13.8	17.5
147.5°	23.4	20.0	16.6	13.1	9.7	6.2	2.7	6.2	9.7	13.1	16.6
150°	21.8	18.7	15.5	12.3	9.1	5.9	2.7	5.9	9.1	12.3	15.5
152.5°	20.4	17.4	14.5	11.6	8.6	5.7	2.7	5.7	8.6	11.6	14.5
155°	19.2	16.4	13.7	10.9	8.2	5.4	2.7	5.4	8.2	10.9	13.7
157.5°	18.0	15.4	12.9	10.4	7.8	5.3	2.7	5.3	7.8	10.4	12.9
160°	16.6	14.3	12.0	9.7	7.3	5.0	2.7	5.0	7.3	9.7	12.0
162.5°	15.3	13.2	11.1	9.0	6.9	4.8	2.7	4.8	6.9	9.0	11.1
165°	13.8	12.0	10.1	8.3	6.4	4.6	2.7	4.6	6.4	8.3	10.1
167.5°	12.0	10.5	9.0	7.4	5.9	4.3	2.7	4.3	5.9	7.4	9.0
170°	9.7	8.4	7.1	5.8	4.4	3.1	1.8	3.1	4.4	5.8	7.1
172.5°	8.6	7.6	6.7	5.7	4.7	3.7	2.7	3.7	4.7	5.7	6.7
175°	6.7	6.0	5.4	4.7	4.1	3.4	2.7	3.4	4.1	4.7	5.4
177.5°	3.9	3.6	3.2	2.9	2.5	2.2	1.8	2.2	2.5	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: P231987

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.6	3.9	4.3	4.6	5.0	5.3	5.7	6.0	6.3	6.7	7.0
5°	6.0	6.7	7.3	7.9	8.6	9.2	9.7	10.3	10.9	11.4	12.0
7.5°	7.6	8.6	9.6	10.5	11.5	12.4	13.3	14.2	15.1	16.0	16.8
10°	8.4	9.7	11.1	12.4	13.7	14.9	16.2	17.4	18.7	19.9	21.1
12.5°	10.5	12.0	13.5	15.0	16.5	17.9	19.3	20.7	22.1	23.4	24.8
15°	12.0	13.8	15.6	17.4	19.2	21.0	22.7	24.5	26.2	27.8	29.3
17.5°	13.2	15.3	17.4	19.4	21.5	23.6	25.6	27.7	29.6	31.5	33.4
20°	14.3	16.6	18.9	21.2	23.5	25.8	28.1	30.3	32.6	34.8	37.1
22.5°	15.4	18.0	20.5	23.0	25.4	27.9	30.4	32.9	35.4	37.8	40.3
25°	16.4	19.2	21.9	24.7	27.5	30.2	32.9	35.5	38.1	40.7	43.4
27.5°	17.4	20.4	23.3	26.2	29.1	32.0	35.0	38.0	41.0	43.9	46.7
30°	18.7	21.8	24.9	28.0	31.0	34.1	37.2	40.2	43.3	46.5	49.7
32.5°	20.0	23.4	26.8	30.1	33.3	36.5	39.7	42.8	45.9	49.2	52.4
35°	21.2	24.8	28.5	32.2	35.7	39.1	42.5	45.8	49.1	52.2	55.9
37.5°	22.2	26.0	29.9	33.8	37.7	41.5	45.3	48.9	52.4	56.2	60.5
40°	22.7	26.9	31.2	35.4	39.5	43.5	47.6	51.6	55.6	59.8	64.2
42.5°	23.0	27.2	31.4	35.9	40.6	45.4	49.6	53.5	57.6	62.1	67.0
45°	23.6	27.8	32.1	36.5	41.1	45.6	50.0	54.6	59.0	63.6	68.7
47.5°	24.1	28.4	32.8	37.3	41.8	45.6	49.7	54.2	59.3	64.6	69.8
50°	24.1	28.6	33.1	37.8	41.6	45.3	49.5	54.0	58.9	64.5	70.5
52.5°	23.7	28.1	32.9	37.0	40.7	44.7	49.0	53.6	58.6	64.1	70.3
55°	23.6	28.0	32.3	35.8	39.6	43.6	48.0	53.0	58.2	63.7	70.0
57.5°	23.4	27.9	31.4	34.9	38.7	42.7	47.0	51.8	57.5	63.4	69.7
60°	22.9	27.1	30.6	34.3	38.0	42.1	46.4	51.0	56.2	62.9	71.8
62.5°	21.5	25.7	30.0	34.0	37.7	41.7	45.9	50.7	56.7	65.5	75.7
65°	19.9	24.3	28.8	33.5	37.9	41.6	45.8	52.4	60.1	68.5	79.0
67.5°	18.8	23.3	28.1	32.7	37.6	42.5	48.0	54.9	63.0	71.9	82.0
70°	17.7	22.2	27.3	32.7	37.4	43.6	50.1	57.0	65.5	75.0	85.5
72.5°	16.5	21.2	26.3	31.5	37.1	43.5	51.4	59.0	67.9	78.0	89.0
75°	15.3	20.3	24.2	29.0	35.6	43.0	51.6	60.8	69.9	80.9	92.6
77.5°	14.3	17.1	21.0	26.4	33.3	41.7	51.4	62.1	72.0	83.0	94.4
80°	10.1	12.8	17.3	23.3	31.0	40.2	50.9	62.0	72.6	83.8	95.8
82.5°	5.0	8.5	13.4	20.8	29.8	39.7	50.4	61.9	73.4	85.0	97.8
85°	1.4	5.9	12.3	20.5	29.8	40.2	50.6	62.6	74.6	86.7	100.4
87.5°	0.5	5.7	12.4	20.9	30.5	41.6	51.7	64.0	76.4	89.1	103.6
90°	0.0	6.3	13.4	22.4	32.3	43.9	53.8	66.3	78.9	92.3	107.5
92.5°	0.5	5.7	12.4	20.9	30.5	41.6	51.7	64.0	76.4	89.1	103.6
95°	1.4	5.9	12.3	20.5	29.8	40.2	50.6	62.6	74.6	86.7	100.4
97.5°	5.0	8.5	13.4	20.8	29.8	39.7	50.4	61.9	73.4	85.0	97.8
100°	10.1	12.8	17.3	23.3	31.0	40.2	50.9	62.0	72.6	83.8	95.8
102.5°	14.3	17.1	21.0	26.4	33.3	41.7	51.4	62.1	72.0	83.0	94.4
105°	15.3	20.3	24.2	29.0	35.6	43.0	51.6	60.8	69.9	80.9	92.6
107.5°	16.5	21.2	26.3	31.5	37.1	43.5	51.4	59.0	67.9	78.0	89.0
110°	17.7	22.2	27.3	32.7	37.4	43.6	50.1	57.0	65.5	75.0	85.5



TEST NUMBER: P231987

CATALOG NUMBER: FVS4WM-4-LD4-50-2STD-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°	18.8	23.3	28.1	32.7	37.6	42.5	48.0	54.9	63.0	71.9	82.0
115°	19.9	24.3	28.8	33.5	37.9	41.6	45.8	52.4	60.1	68.5	79.0
117.5°	21.5	25.7	30.0	34.0	37.7	41.7	45.9	50.7	56.7	65.5	75.7
120°	22.9	27.1	30.6	34.3	38.0	42.1	46.4	51.0	56.2	62.9	71.8
122.5°	23.4	27.9	31.4	34.9	38.7	42.7	47.0	51.8	57.5	63.4	69.7
125°	23.6	28.0	32.3	35.8	39.6	43.6	48.0	53.0	58.2	63.7	70.0
127.5°	23.7	28.1	32.9	37.0	40.7	44.7	49.0	53.6	58.6	64.1	70.3
130°	24.1	28.6	33.1	37.8	41.6	45.3	49.5	54.0	58.9	64.5	70.5
132.5°	24.1	28.4	32.8	37.3	41.8	45.6	49.7	54.2	59.3	64.6	69.8
135°	23.6	27.8	32.1	36.5	41.1	45.6	50.0	54.6	59.0	63.6	68.7
137.5°	23.0	27.2	31.4	35.9	40.6	45.4	49.6	53.5	57.6	62.1	67.0
140°	22.7	26.9	31.2	35.4	39.5	43.5	47.6	51.6	55.6	59.8	64.2
142.5°	22.2	26.0	29.9	33.8	37.7	41.5	45.3	48.9	52.4	56.2	60.5
145°	21.2	24.8	28.5	32.2	35.7	39.1	42.5	45.8	49.1	52.2	55.9
147.5°	20.0	23.4	26.8	30.1	33.3	36.5	39.7	42.8	45.9	49.2	52.4
150°	18.7	21.8	24.9	28.0	31.0	34.1	37.2	40.2	43.3	46.5	49.7
152.5°	17.4	20.4	23.3	26.2	29.1	32.0	35.0	38.0	41.0	43.9	46.7
155°	16.4	19.2	21.9	24.7	27.5	30.2	32.9	35.5	38.1	40.7	43.4
157.5°	15.4	18.0	20.5	23.0	25.4	27.9	30.4	32.9	35.4	37.8	40.3
160°	14.3	16.6	18.9	21.2	23.5	25.8	28.1	30.3	32.6	34.8	37.1
162.5°	13.2	15.3	17.4	19.4	21.5	23.6	25.6	27.7	29.6	31.5	33.4
165°	12.0	13.8	15.6	17.4	19.2	21.0	22.7	24.5	26.2	27.8	29.3
167.5°	10.5	12.0	13.5	15.0	16.5	17.9	19.3	20.7	22.1	23.4	24.8
170°	8.4	9.7	11.1	12.4	13.7	14.9	16.2	17.4	18.7	19.9	21.1
172.5°	7.6	8.6	9.6	10.5	11.5	12.4	13.3	14.2	15.1	16.0	16.8
175°	6.0	6.7	7.3	7.9	8.6	9.2	9.7	10.3	10.9	11.4	12.0
177.5°	3.6	3.9	4.3	4.6	5.0	5.3	5.7	6.0	6.3	6.7	7.0
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: P231987

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	7.3	7.6	7.9	8.2	8.5	8.7	9.0	9.3	9.5	9.7	9.9
5°	12.5	12.9	13.4	13.9	14.3	14.7	15.1	15.4	15.8	16.3	16.7
7.5°	17.6	18.4	19.2	19.9	20.6	21.2	21.8	22.3	22.8	23.3	23.8
10°	22.2	23.3	24.3	25.3	26.3	27.2	28.0	28.9	29.7	30.3	31.0
12.5°	26.2	27.6	29.0	30.3	31.6	32.9	34.0	35.0	36.0	37.0	37.9
15°	30.8	32.3	33.8	35.2	36.7	38.2	39.6	41.0	42.3	43.4	44.5
17.5°	35.2	37.1	38.8	40.4	42.0	43.6	45.1	46.7	48.2	49.7	51.1
20°	39.3	41.4	43.4	45.3	47.3	49.1	50.8	52.5	54.2	55.8	57.4
22.5°	42.8	45.2	47.6	50.0	52.2	54.3	56.3	58.3	60.1	61.9	63.7
25°	46.1	48.8	51.5	54.1	56.8	59.3	61.6	63.8	65.9	68.0	71.8
27.5°	49.4	52.1	55.1	58.0	60.9	63.8	68.5	73.3	78.2	83.1	87.9
30°	53.0	55.9	58.8	62.8	68.0	73.3	78.9	84.8	90.8	96.9	102.9
32.5°	55.8	60.3	65.3	70.3	75.6	81.6	87.8	94.6	101.8	109.1	116.5
35°	60.5	65.2	70.6	76.3	82.3	88.7	95.7	103.0	111.1	119.8	128.6
37.5°	65.0	70.0	75.3	81.2	87.7	94.7	102.4	110.7	119.3	129.2	139.5
40°	68.9	74.2	79.8	85.7	92.3	99.7	108.1	117.2	127.0	137.3	149.2
42.5°	72.0	77.5	83.5	90.0	96.8	104.3	112.8	122.8	133.7	145.1	157.8
45°	74.2	80.1	86.4	93.5	101.0	108.6	117.5	127.4	139.5	152.2	165.5
47.5°	75.6	81.9	88.8	96.2	104.4	113.0	121.6	132.2	144.5	158.6	173.2
50°	76.5	83.1	90.4	98.4	107.1	116.7	126.2	136.8	149.1	164.0	178.6
52.5°	77.1	84.0	91.6	100.0	109.3	121.7	133.9	144.5	156.3	169.6	184.3
55°	77.0	84.5	93.1	105.1	117.8	130.7	143.4	154.1	164.4	176.0	190.6
57.5°	77.2	88.3	100.0	112.5	126.2	139.9	153.1	164.7	173.5	184.1	197.6
60°	81.9	93.6	106.3	119.6	134.1	149.1	163.4	175.9	184.4	193.5	205.3
62.5°	85.9	98.3	112.0	126.4	141.5	158.1	173.5	186.7	196.1	203.6	213.5
65°	90.1	102.2	117.2	132.7	148.9	166.4	183.4	198.0	208.6	214.5	222.4
67.5°	94.2	106.2	121.8	138.7	156.1	174.5	193.5	209.8	221.9	226.3	232.9
70°	97.7	110.8	126.0	144.5	163.2	182.4	203.5	221.2	233.9	238.2	241.7
72.5°	101.4	115.4	129.9	150.2	169.9	188.3	207.5	223.2	234.2	239.1	242.7
75°	105.4	119.1	132.8	150.7	169.5	188.4	207.0	222.3	233.3	239.7	243.6
77.5°	106.8	120.3	134.3	150.8	169.8	189.0	207.5	222.3	232.8	240.2	244.5
80°	108.4	122.2	136.4	151.9	170.6	190.1	209.0	223.0	232.5	240.6	245.5
82.5°	110.4	124.7	139.0	154.0	172.2	191.8	211.4	224.4	232.5	240.9	246.5
85°	113.0	127.9	142.3	156.8	174.4	194.2	214.5	226.4	232.7	241.2	247.6
87.5°	116.2	131.7	146.1	160.5	177.3	197.1	218.2	228.7	233.2	241.5	248.8
90°	120.1	136.2	150.6	164.9	181.0	200.8	222.3	231.2	233.9	242.0	250.1
92.5°	116.2	131.7	146.1	160.5	177.3	197.1	218.2	228.7	233.2	241.5	248.8
95°	113.0	127.9	142.3	156.8	174.4	194.2	214.5	226.4	232.7	241.2	247.6
97.5°	110.4	124.7	139.0	154.0	172.2	191.8	211.4	224.4	232.5	240.9	246.5
100°	108.4	122.2	136.4	151.9	170.6	190.1	209.0	223.0	232.5	240.6	245.5
102.5°	106.8	120.3	134.3	150.8	169.8	189.0	207.5	222.3	232.8	240.2	244.5
105°	105.4	119.1	132.8	150.7	169.5	188.4	207.0	222.3	233.3	239.7	243.6
107.5°	101.4	115.4	129.9	150.2	169.9	188.3	207.5	223.2	234.2	239.1	242.7
110°	97.7	110.8	126.0	144.5	163.2	182.4	203.5	221.2	233.9	238.2	241.7



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	94.2	106.2	121.8	138.7	156.1	174.5	193.5	209.8	221.9	226.3	232.9
115°	90.1	102.2	117.2	132.7	148.9	166.4	183.4	198.0	208.6	214.5	222.4
117.5°	85.9	98.3	112.0	126.4	141.5	158.1	173.5	186.7	196.1	203.6	213.5
120°	81.9	93.6	106.3	119.6	134.1	149.1	163.4	175.9	184.4	193.5	205.3
122.5°	77.2	88.3	100.0	112.5	126.2	139.9	153.1	164.7	173.5	184.1	197.6
125°	77.0	84.5	93.1	105.1	117.8	130.7	143.4	154.1	164.4	176.0	190.6
127.5°	77.1	84.0	91.6	100.0	109.3	121.7	133.9	144.5	156.3	169.6	184.3
130°	76.5	83.1	90.4	98.4	107.1	116.7	126.2	136.8	149.1	164.0	178.6
132.5°	75.6	81.9	88.8	96.2	104.4	113.0	121.6	132.2	144.5	158.6	173.2
135°	74.2	80.1	86.4	93.5	101.0	108.6	117.5	127.4	139.5	152.2	165.5
137.5°	72.0	77.5	83.5	90.0	96.8	104.3	112.8	122.8	133.7	145.1	157.8
140°	68.9	74.2	79.8	85.7	92.3	99.7	108.1	117.2	127.0	137.3	149.2
142.5°	65.0	70.0	75.3	81.2	87.7	94.7	102.4	110.7	119.3	129.2	139.5
145°	60.5	65.2	70.6	76.3	82.3	88.7	95.7	103.0	111.1	119.8	128.6
147.5°	55.8	60.3	65.3	70.3	75.6	81.6	87.8	94.6	101.8	109.1	116.5
150°	53.0	55.9	58.8	62.8	68.0	73.3	78.9	84.8	90.8	96.9	102.9
152.5°	49.4	52.1	55.1	58.0	60.9	63.8	68.5	73.3	78.2	83.1	87.9
155°	46.1	48.8	51.5	54.1	56.8	59.3	61.6	63.8	65.9	68.0	71.8
157.5°	42.8	45.2	47.6	50.0	52.2	54.3	56.3	58.3	60.1	61.9	63.7
160°	39.3	41.4	43.4	45.3	47.3	49.1	50.8	52.5	54.2	55.8	57.4
162.5°	35.2	37.1	38.8	40.4	42.0	43.6	45.1	46.7	48.2	49.7	51.1
165°	30.8	32.3	33.8	35.2	36.7	38.2	39.6	41.0	42.3	43.4	44.5
167.5°	26.2	27.6	29.0	30.3	31.6	32.9	34.0	35.0	36.0	37.0	37.9
170°	22.2	23.3	24.3	25.3	26.3	27.2	28.0	28.9	29.7	30.3	31.0
172.5°	17.6	18.4	19.2	19.9	20.6	21.2	21.8	22.3	22.8	23.3	23.8
175°	12.5	12.9	13.4	13.9	14.3	14.7	15.1	15.4	15.8	16.3	16.7
177.5°	7.3	7.6	7.9	8.2	8.5	8.7	9.0	9.3	9.5	9.7	9.9
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: P231987

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	10.2	10.3	10.5	10.7	10.8	11.0	11.1	11.2	11.3	11.4	12.7
5°	17.2	17.6	18.0	18.4	18.7	19.0	19.3	19.6	19.8	20.0	22.6
7.5°	24.2	24.6	25.2	25.8	26.4	26.9	27.4	27.9	28.3	28.7	32.5
10°	31.5	32.1	32.6	33.0	33.8	34.6	35.4	36.1	36.8	37.4	42.3
12.5°	38.7	39.4	40.1	40.6	41.2	42.1	43.2	44.2	45.2	46.0	52.0
15°	45.6	46.6	47.4	48.2	48.9	49.5	50.8	52.2	53.5	54.7	61.7
17.5°	52.3	53.5	54.6	55.6	56.4	57.2	58.3	60.1	61.8	63.4	71.3
20°	59.0	60.3	61.6	62.9	63.9	64.9	65.8	67.9	70.0	72.0	80.8
22.5°	65.4	67.1	68.6	70.0	71.3	72.5	73.6	75.6	78.2	80.7	90.2
25°	75.7	79.6	83.3	86.8	90.1	93.2	96.1	99.3	103.2	106.7	117.2
27.5°	92.7	97.5	102.2	106.8	111.1	115.3	119.3	123.2	128.2	132.7	144.3
30°	108.7	114.4	120.3	126.0	131.5	136.8	142.0	147.0	153.0	158.7	171.4
32.5°	123.7	130.5	137.5	144.5	151.3	157.8	164.4	170.7	177.8	184.7	198.5
35°	137.7	145.8	153.9	162.3	170.5	178.4	186.3	194.2	202.5	210.6	225.6
37.5°	150.1	160.4	169.7	179.4	189.6	198.6	207.9	217.4	227.1	236.6	252.7
40°	161.4	173.9	184.9	195.8	207.3	218.3	229.1	240.4	251.6	262.6	279.8
42.5°	171.6	186.0	199.5	212.1	224.9	237.7	250.4	263.1	276.0	288.6	306.9
45°	181.1	197.3	213.5	227.4	242.0	256.7	270.8	285.7	300.4	314.6	334.0
47.5°	189.3	205.7	222.3	236.0	249.8	264.4	279.1	295.3	312.3	329.3	351.9
50°	193.5	209.5	225.9	240.5	254.3	269.6	285.8	304.1	323.8	344.1	369.9
52.5°	198.7	214.3	230.2	245.3	258.9	274.8	292.5	312.7	335.2	358.8	388.0
55°	205.1	219.9	235.1	250.4	263.9	280.1	298.9	321.1	346.5	373.5	406.2
57.5°	211.9	226.2	240.5	255.8	269.3	285.6	305.3	329.3	357.7	388.3	424.6
60°	219.3	233.2	247.2	261.3	275.0	291.1	311.6	337.4	368.7	403.0	443.0
62.5°	227.1	240.9	253.5	267.3	280.8	296.7	317.8	345.4	379.7	417.7	461.4
65°	235.5	248.9	261.0	273.7	286.9	302.5	324.0	353.3	390.7	432.5	479.9
67.5°	244.4	257.3	268.9	280.5	293.2	308.3	330.2	361.2	401.6	447.2	498.4
70°	250.0	261.0	271.1	280.8	292.3	306.6	328.2	359.0	399.7	447.7	501.5
72.5°	250.0	260.2	269.9	278.8	289.8	303.9	325.8	356.7	397.8	448.2	504.4
75°	250.4	259.7	268.8	277.1	287.5	301.3	323.5	354.6	395.9	448.7	509.4
77.5°	251.2	259.6	268.0	275.6	285.2	298.8	321.4	352.6	394.1	449.2	511.5
80°	252.3	259.8	267.4	274.4	283.1	296.5	319.5	350.8	392.3	449.7	513.7
82.5°	253.7	260.2	266.9	273.2	281.2	294.3	317.8	349.1	390.7	450.2	515.9
85°	255.3	260.9	266.6	272.3	279.3	292.2	316.3	347.6	389.1	450.7	518.1
87.5°	257.1	261.7	266.3	271.4	277.6	290.3	314.9	346.3	387.7	451.2	520.3
90°	259.0	262.6	266.2	270.7	276.0	288.6	313.7	345.1	386.3	451.7	522.5
92.5°	257.1	261.7	266.3	271.4	277.6	290.3	314.9	346.3	387.7	451.2	520.3
95°	255.3	260.9	266.6	272.3	279.3	292.2	316.3	347.6	389.1	450.7	518.1
97.5°	253.7	260.2	266.9	273.2	281.2	294.3	317.8	349.1	390.7	450.2	515.9
100°	252.3	259.8	267.4	274.4	283.1	296.5	319.5	350.8	392.3	449.7	513.7
102.5°	251.2	259.6	268.0	275.6	285.2	298.8	321.4	352.6	394.1	449.2	511.5
105°	250.4	259.7	268.8	277.1	287.5	301.3	323.5	354.6	395.9	448.7	509.4
107.5°	250.0	260.2	269.9	278.8	289.8	303.9	325.8	356.7	397.8	448.2	504.4
110°	250.0	261.0	271.1	280.8	292.3	306.6	328.2	359.0	399.7	447.7	501.5



TEST NUMBER: P231987

CATALOG NUMBER: FVS4WM-4-LD4-50-2STD-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°	244.4	257.3	268.9	280.5	293.2	308.3	330.2	361.2	401.6	447.2	498.4
115°	235.5	248.9	261.0	273.7	286.9	302.5	324.0	353.3	390.7	432.5	479.9
117.5°	227.1	240.9	253.5	267.3	280.8	296.7	317.8	345.4	379.7	417.7	461.4
120°	219.3	233.2	247.2	261.3	275.0	291.1	311.6	337.4	368.7	403.0	443.0
122.5°	211.9	226.2	240.5	255.8	269.3	285.6	305.3	329.3	357.7	388.3	424.6
125°	205.1	219.9	235.1	250.4	263.9	280.1	298.9	321.1	346.5	373.5	406.2
127.5°	198.7	214.3	230.2	245.3	258.9	274.8	292.5	312.7	335.2	358.8	388.0
130°	193.5	209.5	225.9	240.5	254.3	269.6	285.8	304.1	323.8	344.1	369.9
132.5°	189.3	205.7	222.3	236.0	249.8	264.4	279.1	295.3	312.3	329.3	351.9
135°	181.1	197.3	213.5	227.4	242.0	256.7	270.8	285.7	300.4	314.6	334.0
137.5°	171.6	186.0	199.5	212.1	224.9	237.7	250.4	263.1	276.0	288.6	306.9
140°	161.4	173.9	184.9	195.8	207.3	218.3	229.1	240.4	251.6	262.6	279.8
142.5°	150.1	160.4	169.7	179.4	189.6	198.6	207.9	217.4	227.1	236.6	252.7
145°	137.7	145.8	153.9	162.3	170.5	178.4	186.3	194.2	202.5	210.6	225.6
147.5°	123.7	130.5	137.5	144.5	151.3	157.8	164.4	170.7	177.8	184.7	198.5
150°	108.7	114.4	120.3	126.0	131.5	136.8	142.0	147.0	153.0	158.7	171.4
152.5°	92.7	97.5	102.2	106.8	111.1	115.3	119.3	123.2	128.2	132.7	144.3
155°	75.7	79.6	83.3	86.8	90.1	93.2	96.1	99.3	103.2	106.7	117.2
157.5°	65.4	67.1	68.6	70.0	71.3	72.5	73.6	75.6	78.2	80.7	90.2
160°	59.0	60.3	61.6	62.9	63.9	64.9	65.8	67.9	70.0	72.0	80.8
162.5°	52.3	53.5	54.6	55.6	56.4	57.2	58.3	60.1	61.8	63.4	71.3
165°	45.6	46.6	47.4	48.2	48.9	49.5	50.8	52.2	53.5	54.7	61.7
167.5°	38.7	39.4	40.1	40.6	41.2	42.1	43.2	44.2	45.2	46.0	52.0
170°	31.5	32.1	32.6	33.0	33.8	34.6	35.4	36.1	36.8	37.4	42.3
172.5°	24.2	24.6	25.2	25.8	26.4	26.9	27.4	27.9	28.3	28.7	32.5
175°	17.2	17.6	18.0	18.4	18.7	19.0	19.3	19.6	19.8	20.0	22.6
177.5°	10.2	10.3	10.5	10.7	10.8	11.0	11.1	11.2	11.3	11.4	12.7
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: P231987

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	14.0	15.3	16.6	17.8	19.0	20.2	21.4	22.5	23.6	24.6	25.6
5°	25.2	27.7	30.2	32.6	35.0	37.3	39.5	41.7	43.9	45.9	47.9
7.5°	36.2	39.9	43.5	47.1	50.6	54.0	57.3	61.0	64.5	67.9	71.3
10°	47.2	51.9	56.6	61.3	65.9	70.9	75.8	80.5	85.1	89.6	94.2
12.5°	57.9	63.8	69.5	75.3	81.6	87.7	93.7	99.5	104.8	109.6	114.2
15°	68.6	75.4	82.1	89.6	96.9	104.0	111.0	117.4	123.6	129.5	135.9
17.5°	79.1	86.8	95.0	103.5	111.8	119.9	127.9	135.5	142.9	150.3	157.5
20°	89.4	98.0	107.6	117.0	126.3	135.9	145.2	154.2	163.4	172.2	180.7
22.5°	99.6	109.4	119.9	130.1	141.2	152.2	163.0	174.0	184.6	194.7	204.4
25°	127.3	137.7	148.1	158.3	168.9	179.1	189.3	199.2	208.8	218.2	229.4
27.5°	155.4	167.2	178.6	190.0	201.2	212.3	223.4	234.0	244.2	253.9	261.2
30°	183.7	196.6	209.3	221.3	233.7	245.1	256.7	267.8	278.4	286.7	293.9
32.5°	212.0	226.0	239.4	252.0	264.5	277.2	289.2	300.5	310.2	318.1	322.6
35°	240.3	255.3	269.3	282.2	295.6	309.5	320.7	331.9	340.5	346.8	347.7
37.5°	268.6	284.6	298.8	312.0	326.1	339.2	351.2	361.2	370.9	371.5	371.6
40°	296.8	313.7	327.9	341.7	356.0	368.8	380.6	389.8	394.8	395.5	393.0
42.5°	325.0	342.7	356.6	371.0	385.4	397.7	408.4	417.8	418.5	417.3	413.6
45°	353.1	371.1	385.0	399.8	413.7	425.8	435.6	441.3	441.7	437.9	434.5
47.5°	374.9	396.7	415.1	434.2	450.2	462.3	470.0	467.6	462.6	457.9	454.8
50°	396.8	422.9	447.0	472.5	494.2	511.9	524.7	527.1	521.5	509.6	493.4
52.5°	419.1	450.1	480.5	512.6	540.6	564.4	581.8	591.0	591.3	581.7	568.4
55°	441.8	478.0	515.3	554.2	589.2	619.4	642.9	658.5	664.8	656.1	640.0
57.5°	464.7	506.7	551.3	597.2	639.6	676.7	707.5	730.3	738.5	729.6	708.4
60°	487.8	536.0	588.2	641.6	691.3	736.1	775.4	806.1	814.0	799.6	777.7
62.5°	511.2	565.8	626.0	687.2	744.6	797.3	845.9	885.4	890.9	867.4	843.7
65°	534.7	596.1	664.5	733.7	799.1	860.6	918.2	962.6	968.9	933.1	906.6
67.5°	558.3	626.6	703.5	781.1	854.6	925.6	992.8	1038.5	1038.1	998.1	966.7
70°	563.4	632.6	711.9	793.6	873.2	954.7	1034.8	1089.2	1093.2	1059.7	1026.1
72.5°	567.6	636.1	715.1	796.8	876.5	960.8	1043.4	1098.9	1108.7	1089.5	1064.7
75°	571.6	639.0	717.4	799.0	878.7	966.1	1051.1	1110.7	1129.8	1122.9	1101.6
77.5°	575.4	641.4	719.0	800.4	880.0	970.4	1057.8	1123.9	1155.6	1159.2	1139.2
80°	581.0	643.2	719.8	800.8	880.2	973.7	1063.5	1137.9	1184.8	1197.9	1177.3
82.5°	583.4	646.2	722.5	800.4	879.4	975.9	1068.1	1152.3	1216.3	1238.2	1216.1
85°	585.8	646.2	720.3	800.6	879.4	979.7	1074.3	1169.8	1249.0	1279.5	1255.5
87.5°	588.2	646.2	718.2	797.4	875.3	977.4	1074.0	1180.4	1282.7	1321.6	1295.3
90°	590.6	646.2	716.1	794.1	871.2	975.1	1073.7	1191.1	1313.0	1362.3	1336.3
92.5°	588.2	646.2	718.2	797.4	875.3	977.4	1074.0	1180.4	1282.7	1321.6	1295.3
95°	585.8	646.2	720.3	800.6	879.4	979.7	1074.3	1169.8	1249.0	1279.5	1255.5
97.5°	583.4	646.2	722.5	800.4	879.4	975.9	1068.1	1152.3	1216.3	1238.2	1216.1
100°	581.0	643.2	719.8	800.8	880.2	973.7	1063.5	1137.9	1184.8	1197.9	1177.3
102.5°	575.4	641.4	719.0	800.4	880.0	970.4	1057.8	1123.9	1155.6	1159.2	1139.2
105°	571.6	639.0	717.4	799.0	878.7	966.1	1051.1	1110.7	1129.8	1122.9	1101.6
107.5°	567.6	636.1	715.1	796.8	876.5	960.8	1043.4	1098.9	1108.7	1089.5	1064.7
110°	563.4	632.6	711.9	793.6	873.2	954.7	1034.8	1089.2	1093.2	1059.7	1026.1



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	558.3	626.6	703.5	781.1	854.6	925.6	992.8	1038.5	1038.1	998.1	966.7
115°	534.7	596.1	664.5	733.7	799.1	860.6	918.2	962.6	968.9	933.1	906.6
117.5°	511.2	565.8	626.0	687.2	744.6	797.3	845.9	885.4	890.9	867.4	843.7
120°	487.8	536.0	588.2	641.6	691.3	736.1	775.4	806.1	814.0	799.6	777.7
122.5°	464.7	506.7	551.3	597.2	639.6	676.7	707.5	730.3	738.6	729.6	708.4
125°	441.8	478.0	515.3	554.2	589.2	619.4	642.9	658.5	664.8	656.1	640.0
127.5°	419.1	450.1	480.5	512.6	540.6	564.4	581.8	591.0	591.3	581.7	568.4
130°	396.8	422.9	447.0	472.5	494.2	511.9	524.7	527.1	521.5	509.6	493.4
132.5°	374.9	396.7	415.1	434.2	450.2	462.3	470.0	467.6	462.6	457.9	454.8
135°	353.1	371.1	385.0	399.8	413.7	425.8	435.6	441.3	441.7	437.9	434.5
137.5°	325.0	342.7	356.6	371.0	385.4	397.7	408.4	417.8	418.5	417.3	413.6
140°	296.8	313.7	327.9	341.7	356.0	368.8	380.6	389.8	394.8	395.5	393.0
142.5°	268.6	284.6	298.8	312.0	326.1	339.2	351.2	361.2	370.9	371.5	371.6
145°	240.3	255.3	269.3	282.2	295.6	309.5	320.7	331.9	340.5	346.8	347.7
147.5°	212.0	226.0	239.4	252.0	264.5	277.2	289.2	300.5	310.2	318.1	322.6
150°	183.7	196.6	209.3	221.3	233.7	245.1	256.7	267.8	278.4	286.7	293.9
152.5°	155.4	167.2	178.6	190.0	201.2	212.3	223.4	234.0	244.2	253.9	261.2
155°	127.3	137.7	148.1	158.3	168.9	179.1	189.3	199.2	208.8	218.2	229.4
157.5°	99.6	109.4	119.9	130.1	141.2	152.2	163.0	174.0	184.6	194.7	204.4
160°	89.4	98.0	107.6	117.0	126.3	135.9	145.2	154.2	163.4	172.2	180.7
162.5°	79.1	86.8	95.0	103.5	111.8	119.9	127.9	135.5	142.9	150.3	157.5
165°	68.6	75.4	82.1	89.6	96.9	104.0	111.0	117.4	123.6	129.5	135.9
167.5°	57.9	63.8	69.5	75.3	81.6	87.7	93.7	99.5	104.8	109.6	114.2
170°	47.2	51.9	56.6	61.3	65.9	70.9	75.8	80.5	85.1	89.6	94.2
172.5°	36.2	39.9	43.5	47.1	50.6	54.0	57.3	61.0	64.5	67.9	71.3
175°	25.2	27.7	30.2	32.6	35.0	37.3	39.5	41.7	43.9	45.9	47.9
177.5°	14.0	15.3	16.6	17.8	19.0	20.2	21.4	22.5	23.6	24.6	25.6
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: P231987

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	26.6	27.5	28.4	29.2	30.0	30.7	31.4	32.0	32.5	33.1	33.5
5°	50.0	52.1	54.1	55.9	57.7	59.4	61.0	62.4	63.8	65.0	66.1
7.5°	74.5	77.5	80.4	83.2	85.7	87.5	89.2	90.7	92.1	93.3	94.3
10°	97.4	100.7	103.7	106.6	109.2	111.6	113.9	116.0	117.9	119.7	121.2
12.5°	118.6	122.7	126.6	130.5	134.2	137.5	140.6	143.3	145.8	147.6	149.0
15°	140.8	146.3	151.4	156.2	160.5	164.1	167.3	170.0	172.4	174.3	175.9
17.5°	164.4	171.7	176.6	181.8	186.6	190.8	194.5	197.7	200.6	203.0	205.0
20°	188.5	195.8	202.5	208.5	213.5	218.1	222.3	225.6	228.1	230.4	232.6
22.5°	213.5	221.7	228.4	234.5	240.4	243.4	246.4	249.4	252.3	255.4	258.6
25°	238.5	246.4	254.9	257.5	260.7	264.0	266.9	270.0	273.5	277.5	282.2
27.5°	267.6	271.7	272.2	275.5	277.7	280.0	283.5	287.4	292.4	297.7	304.8
30°	297.6	298.1	297.8	295.4	292.9	293.1	297.5	302.7	311.9	321.2	331.3
32.5°	323.3	322.7	320.3	318.0	316.9	315.6	318.1	322.6	334.2	350.4	366.4
35°	347.3	344.7	342.6	341.5	341.7	345.8	349.5	359.8	369.3	384.3	405.3
37.5°	368.9	366.5	365.3	366.6	371.4	379.2	391.2	403.6	417.9	432.4	452.3
40°	390.0	388.5	389.7	395.1	405.3	419.1	435.6	452.8	475.0	500.6	527.8
42.5°	411.5	411.1	417.1	427.9	443.3	463.3	483.6	513.2	545.2	580.9	618.4
45°	432.1	437.5	447.1	464.0	486.3	509.8	544.1	579.6	623.2	667.2	713.9
47.5°	456.5	463.1	481.3	504.1	531.1	567.7	607.6	655.1	704.4	755.2	815.9
50°	484.0	495.5	516.6	547.0	584.2	626.0	676.9	729.6	786.7	851.7	922.6
52.5°	557.3	558.4	571.0	593.8	638.9	689.5	744.2	803.4	871.7	949.4	1036.4
55°	630.9	631.7	645.3	671.0	708.0	752.2	807.4	877.9	958.3	1050.9	1143.5
57.5°	699.9	701.9	716.7	744.3	784.6	830.1	885.5	952.9	1048.0	1143.5	1242.2
60°	765.8	766.0	784.5	815.7	856.0	903.5	966.2	1049.8	1137.3	1225.7	1335.1
62.5°	830.1	830.0	847.8	880.4	921.9	976.4	1048.6	1136.9	1225.8	1322.2	1429.3
65°	889.8	891.3	910.0	941.7	983.9	1041.7	1126.1	1215.6	1310.5	1413.3	1529.3
67.5°	945.4	948.3	966.9	998.8	1044.3	1109.6	1195.6	1287.0	1387.5	1495.6	1630.8
70°	1001.3	1002.1	1018.9	1051.2	1098.4	1171.5	1258.9	1354.3	1455.4	1567.7	1724.1
72.5°	1047.6	1051.9	1069.1	1100.9	1147.9	1229.4	1315.4	1413.3	1509.9	1639.0	1791.6
75°	1089.8	1096.5	1113.6	1141.5	1188.5	1266.0	1360.9	1462.8	1551.2	1695.6	1848.9
77.5°	1131.9	1139.8	1154.6	1175.3	1217.4	1290.3	1384.8	1485.8	1595.9	1740.3	1896.9
80°	1174.0	1182.1	1192.6	1203.5	1238.3	1307.8	1402.8	1505.9	1629.1	1777.1	1948.5
82.5°	1216.1	1223.5	1228.3	1227.3	1252.7	1319.2	1415.0	1522.9	1652.2	1805.1	1987.8
85°	1258.1	1264.2	1262.3	1248.2	1262.2	1325.3	1421.7	1536.1	1665.9	1823.9	2014.2
87.5°	1300.0	1304.5	1295.2	1267.1	1268.6	1328.4	1425.4	1547.5	1674.4	1838.0	2034.2
90°	1341.7	1344.4	1328.2	1287.0	1273.6	1325.6	1419.7	1546.9	1667.9	1831.9	2027.3
92.5°	1300.0	1304.5	1295.2	1267.1	1268.6	1328.4	1425.4	1547.5	1674.4	1838.0	2034.2
95°	1258.1	1264.2	1262.3	1248.2	1262.2	1325.3	1421.7	1536.1	1665.9	1823.9	2014.2
97.5°	1216.1	1223.5	1228.3	1227.3	1252.7	1319.2	1415.0	1522.9	1652.2	1805.1	1987.8
100°	1174.0	1182.1	1192.6	1203.5	1238.3	1307.8	1402.8	1505.9	1629.1	1777.1	1948.5
102.5°	1131.9	1139.8	1154.6	1175.3	1217.4	1290.3	1384.8	1485.8	1595.9	1740.3	1896.9
105°	1089.8	1096.5	1113.6	1141.5	1188.5	1266.0	1360.9	1462.8	1551.2	1695.6	1848.9
107.5°	1047.6	1051.9	1069.1	1100.9	1147.9	1229.4	1315.4	1413.3	1509.9	1639.0	1791.6
110°	1001.3	1002.1	1018.9	1051.2	1098.4	1171.5	1258.9	1354.3	1455.4	1567.7	1724.1



TEST NUMBER: P231987

CATALOG NUMBER: FVS4WM-4-LD4-50-2STD-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°	945.4	948.3	966.9	998.8	1044.3	1109.6	1195.6	1287.0	1387.5	1495.6	1630.8
115°	889.8	891.3	910.0	941.7	983.9	1041.7	1126.1	1215.6	1310.5	1413.3	1529.3
117.5°	830.1	830.0	847.8	880.4	921.9	976.4	1048.6	1136.9	1225.8	1322.2	1429.3
120°	765.8	766.0	784.5	815.7	856.0	903.5	966.2	1049.8	1137.3	1225.7	1335.1
122.5°	699.9	701.9	716.7	744.3	784.6	830.1	885.5	952.9	1048.0	1143.5	1242.2
125°	630.9	631.7	645.3	671.0	708.0	752.2	807.4	877.9	958.3	1050.9	1143.5
127.5°	557.3	558.4	571.0	593.8	638.9	689.5	744.2	803.4	871.7	949.4	1036.4
130°	484.0	495.5	516.6	547.0	584.2	626.0	676.9	729.6	786.7	851.7	922.6
132.5°	456.5	463.1	481.3	504.1	531.1	567.7	607.6	655.1	704.4	755.2	815.9
135°	432.1	437.5	447.1	464.0	486.3	509.8	544.1	579.6	623.2	667.2	713.9
137.5°	411.5	411.1	417.1	427.9	443.3	463.3	483.6	513.2	545.2	580.9	618.4
140°	390.0	388.5	389.7	395.1	405.3	419.1	435.6	452.8	475.0	500.6	527.8
142.5°	368.9	366.5	365.3	366.6	371.4	379.2	391.2	403.6	417.9	432.4	452.3
145°	347.3	344.7	342.6	341.5	341.7	345.8	349.5	359.8	369.3	384.3	405.3
147.5°	323.3	322.7	320.3	318.0	316.9	315.6	318.1	322.6	334.2	350.4	366.4
150°	297.6	298.1	297.8	295.4	292.9	293.1	297.5	302.7	311.9	321.2	331.3
152.5°	267.6	271.7	272.2	275.5	277.7	280.0	283.5	287.4	292.4	297.7	304.8
155°	238.5	246.4	254.9	257.5	260.7	264.0	266.9	270.0	273.5	277.5	282.2
157.5°	213.5	221.7	228.4	234.5	240.4	243.4	246.4	249.4	252.3	255.4	258.6
160°	188.5	195.8	202.5	208.5	213.5	218.1	222.3	225.6	228.1	230.4	232.6
162.5°	164.4	171.7	176.6	181.8	186.6	190.8	194.5	197.7	200.6	203.0	205.0
165°	140.8	146.3	151.4	156.2	160.5	164.1	167.3	170.0	172.4	174.3	175.9
167.5°	118.6	122.7	126.6	130.5	134.2	137.5	140.6	143.3	145.8	147.6	149.0
170°	97.4	100.7	103.7	106.6	109.2	111.6	113.9	116.0	117.9	119.7	121.2
172.5°	74.5	77.5	80.4	83.2	85.7	87.5	89.2	90.7	92.1	93.3	94.3
175°	50.0	52.1	54.1	55.9	57.7	59.4	61.0	62.4	63.8	65.0	66.1
177.5°	26.6	27.5	28.4	29.2	30.0	30.7	31.4	32.0	32.5	33.1	33.5
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: P231987

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	33.9	34.3	34.6	34.8	34.9	35.1	36.2	35.8	35.5	35.1	34.8
5°	67.1	68.0	68.7	69.3	69.8	70.2	70.4	70.5	71.5	70.9	70.3
7.5°	95.2	95.9	96.4	96.8	97.1	97.1	97.0	96.8	96.3	96.4	95.3
10°	122.4	123.5	124.2	124.8	125.1	125.1	125.0	124.6	123.9	124.0	122.4
12.5°	150.1	150.8	151.2	151.3	151.1	150.6	149.9	148.8	147.5	145.9	144.5
15°	177.3	178.3	179.0	179.4	179.3	179.0	178.2	177.2	175.7	174.0	172.5
17.5°	206.6	207.9	208.9	209.7	210.2	210.4	210.3	209.8	209.0	207.8	207.1
20°	234.6	236.7	238.9	241.1	243.1	244.9	246.4	247.6	248.4	248.8	250.0
22.5°	262.0	265.4	269.0	272.6	276.0	279.2	282.0	284.6	286.7	288.3	290.8
25°	287.0	291.9	296.9	303.1	309.0	314.5	319.6	324.0	327.9	331.2	333.6
27.5°	313.0	321.1	328.9	338.1	348.3	357.6	366.2	373.9	380.6	386.3	390.8
30°	344.2	357.8	370.9	383.5	398.1	411.9	424.7	436.5	447.1	456.3	463.9
32.5°	383.0	401.6	419.9	437.7	457.6	478.0	496.5	513.3	528.0	540.6	550.9
35°	426.3	453.0	480.7	506.8	532.7	561.4	587.5	610.8	631.3	648.7	662.8
37.5°	485.2	518.8	557.8	594.6	629.0	663.4	694.8	722.7	747.0	767.4	783.9
40°	560.5	602.7	649.0	693.7	735.1	775.2	812.4	843.9	869.8	890.4	905.8
42.5°	658.8	699.1	750.2	807.0	857.6	902.5	944.3	978.9	1006.5	1027.2	1041.5
45°	762.6	819.7	875.0	938.7	997.2	1053.5	1094.2	1133.4	1164.4	1187.3	1202.4
47.5°	879.3	948.7	1018.0	1086.5	1153.3	1211.4	1266.4	1316.5	1357.1	1388.0	1408.9
50°	1002.7	1081.7	1162.5	1242.3	1329.6	1402.8	1468.7	1529.5	1579.9	1619.1	1646.7
52.5°	1123.9	1212.2	1309.5	1409.3	1514.0	1610.8	1688.5	1763.0	1829.9	1887.4	1933.3
55°	1238.5	1344.8	1456.8	1576.8	1697.2	1816.2	1915.1	1994.4	2065.6	2129.8	2184.7
57.5°	1351.7	1473.3	1602.4	1739.9	1882.1	1990.6	2095.0	2182.0	2262.1	2337.0	2404.0
60°	1460.0	1596.1	1746.7	1890.2	2021.4	2137.7	2241.6	2338.3	2427.0	2507.8	2579.1
62.5°	1560.0	1719.6	1874.9	2022.0	2147.6	2265.3	2371.9	2474.5	2560.9	2641.2	2713.3
65°	1675.8	1829.0	1989.4	2128.4	2255.2	2374.3	2479.6	2576.9	2671.4	2756.4	2827.6
67.5°	1784.1	1941.4	2082.5	2215.8	2343.1	2459.4	2572.4	2681.9	2780.4	2860.2	2927.8
70°	1876.1	2032.7	2171.4	2292.1	2412.1	2537.7	2659.6	2767.4	2869.6	2961.0	3027.3
72.5°	1953.1	2113.9	2244.8	2364.9	2483.5	2604.2	2725.2	2843.0	2963.2	3058.3	3112.4
75°	2022.2	2172.3	2302.7	2427.2	2551.3	2666.2	2779.9	2901.0	3011.5	3117.6	3182.2
77.5°	2078.5	2221.0	2348.5	2477.5	2601.7	2720.7	2831.9	2928.7	3057.2	3164.8	3237.3
80°	2118.1	2255.5	2382.5	2513.0	2639.2	2765.1	2871.9	2983.5	3102.8	3209.5	3263.0
82.5°	2151.0	2285.6	2414.7	2541.5	2663.8	2785.6	2901.8	3017.7	3146.3	3231.1	3282.6
85°	2173.7	2304.1	2435.4	2561.0	2682.5	2809.8	2917.7	3032.9	3156.9	3248.0	3295.9
87.5°	2191.5	2311.4	2443.7	2566.7	2685.9	2823.0	2927.1	3049.4	3173.0	3265.1	3301.4
90°	2186.0	2307.8	2439.6	2558.8	2674.4	2819.6	2920.0	3041.0	3170.9	3268.6	3291.0
92.5°	2191.5	2311.4	2443.7	2566.7	2685.9	2823.0	2927.1	3049.4	3173.0	3265.1	3301.4
95°	2173.7	2304.1	2435.4	2561.0	2682.5	2809.8	2917.7	3032.9	3156.9	3248.0	3295.9
97.5°	2151.0	2285.6	2414.7	2541.5	2663.8	2785.6	2901.8	3017.7	3146.3	3231.1	3282.6
100°	2118.1	2255.5	2382.5	2513.0	2639.2	2765.1	2871.9	2983.5	3102.8	3209.5	3263.0
102.5°	2078.5	2221.0	2348.5	2477.5	2601.7	2720.7	2831.9	2928.7	3057.2	3164.8	3237.3
105°	2022.2	2172.3	2302.7	2427.2	2551.3	2666.2	2779.9	2901.0	3011.5	3117.6	3182.2
107.5°	1953.1	2113.9	2244.8	2364.9	2483.5	2604.2	2725.2	2843.0	2963.2	3058.3	3112.4
110°	1876.1	2032.7	2171.4	2292.1	2412.1	2537.7	2659.6	2767.4	2869.6	2961.0	3027.3



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1784.1	1941.4	2082.5	2215.8	2343.1	2459.4	2572.4	2681.9	2780.4	2860.2	2927.8
115°	1675.8	1829.0	1989.4	2128.4	2255.2	2374.3	2479.6	2576.9	2671.4	2756.4	2827.6
117.5°	1560.0	1719.6	1874.9	2022.0	2147.6	2265.3	2371.9	2474.5	2560.9	2641.2	2713.3
120°	1460.0	1596.1	1746.7	1890.2	2021.4	2137.7	2241.6	2338.3	2427.0	2507.8	2579.1
122.5°	1351.7	1473.3	1602.4	1739.9	1882.1	1990.6	2095.0	2182.0	2262.1	2337.0	2404.0
125°	1238.5	1344.8	1456.8	1576.8	1697.2	1816.2	1915.1	1994.4	2065.6	2129.8	2184.7
127.5°	1123.9	1212.2	1309.5	1409.3	1514.0	1610.8	1688.5	1763.0	1829.9	1887.4	1933.3
130°	1002.7	1081.7	1162.5	1242.3	1329.6	1402.8	1468.7	1529.5	1579.9	1619.1	1646.7
132.5°	879.3	948.7	1018.0	1086.5	1153.3	1211.4	1266.4	1316.5	1357.1	1388.0	1408.9
135°	762.6	819.7	875.0	938.7	997.2	1053.5	1094.2	1133.4	1164.4	1187.3	1202.4
137.5°	658.8	699.1	750.2	807.0	857.6	902.5	944.3	978.9	1006.5	1027.2	1041.5
140°	560.5	602.7	649.0	693.7	735.1	775.2	812.4	843.9	869.8	890.4	905.8
142.5°	485.2	518.8	557.8	594.6	629.0	663.4	694.8	722.7	747.0	767.4	783.9
145°	426.3	453.0	480.7	506.8	532.7	561.4	587.5	610.8	631.3	648.7	662.8
147.5°	383.0	401.6	419.9	437.7	457.6	478.0	496.5	513.3	528.0	540.6	550.9
150°	344.2	357.8	370.9	383.5	398.1	411.9	424.7	436.5	447.1	456.3	463.9
152.5°	313.0	321.1	328.9	338.1	348.3	357.6	366.2	373.9	380.6	386.3	390.8
155°	287.0	291.9	296.9	303.1	309.0	314.5	319.6	324.0	327.9	331.2	333.6
157.5°	262.0	265.4	269.0	272.6	276.0	279.2	282.0	284.6	286.7	288.3	290.8
160°	234.6	236.7	238.9	241.1	243.1	244.9	246.4	247.6	248.4	248.8	250.0
162.5°	206.6	207.9	208.9	209.7	210.2	210.4	210.3	209.8	209.0	207.8	207.1
165°	177.3	178.3	179.0	179.4	179.3	179.0	178.2	177.2	175.7	174.0	172.5
167.5°	150.1	150.8	151.2	151.3	151.1	150.6	149.9	148.8	147.5	145.9	144.5
170°	122.4	123.5	124.2	124.8	125.1	125.1	125.0	124.6	123.9	124.0	122.4
172.5°	95.2	95.9	96.4	96.8	97.1	97.1	97.0	96.8	96.3	96.4	95.3
175°	67.1	68.0	68.7	69.3	69.8	70.2	70.4	70.5	71.5	70.9	70.3
177.5°	33.9	34.3	34.6	34.8	34.9	35.1	36.2	35.8	35.5	35.1	34.8
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: P231987

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2.7	2.7
2.5°	34.4	34.1
5°	69.6	69.0
7.5°	94.3	93.2
10°	120.8	119.2
12.5°	142.2	139.8
15°	169.6	166.7
17.5°	204.4	201.7
20°	248.2	246.5
22.5°	290.2	289.5
25°	335.8	336.1
27.5°	394.8	396.1
30°	470.9	474.1
32.5°	560.2	564.6
35°	675.5	681.1
37.5°	798.5	804.8
40°	918.5	922.2
42.5°	1052.4	1052.2
45°	1213.3	1209.9
47.5°	1424.8	1420.6
50°	1668.5	1665.2
52.5°	1974.1	1981.6
55°	2235.7	2255.9
57.5°	2468.1	2502.3
60°	2646.2	2687.0
62.5°	2775.9	2827.7
65°	2885.9	2932.5
67.5°	2983.7	3028.4
70°	3075.8	3110.0
72.5°	3150.5	3175.4
75°	3208.5	3221.1
77.5°	3263.6	3281.2
80°	3289.8	3303.6
82.5°	3317.2	3334.9
85°	3326.2	3341.2
87.5°	3318.3	3354.7
90°	3315.2	3340.3
92.5°	3318.3	3354.7
95°	3326.2	3341.2
97.5°	3317.2	3334.9
100°	3289.8	3303.6
102.5°	3263.6	3281.2
105°	3208.5	3221.1
107.5°	3150.5	3175.4
110°	3075.8	3110.0



TEST NUMBER: P231987

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2983.7	3028.4
115°	2885.9	2932.5
117.5°	2775.9	2827.7
120°	2646.2	2687.0
122.5°	2468.1	2502.3
125°	2235.7	2255.9
127.5°	1974.1	1981.6
130°	1668.5	1665.2
132.5°	1424.8	1420.6
135°	1213.3	1209.9
137.5°	1052.4	1052.2
140°	918.5	922.2
142.5°	798.5	804.8
145°	675.5	681.1
147.5°	560.2	564.6
150°	470.9	474.1
152.5°	394.8	396.1
155°	335.8	336.1
157.5°	290.2	289.5
160°	248.2	246.5
162.5°	204.4	201.7
165°	169.6	166.7
167.5°	142.2	139.8
170°	120.8	119.2
172.5°	94.3	93.2
175°	69.6	69.0
177.5°	34.4	34.1
180°	2.0	2.0

(END OF REPORT)