

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: P232059

Luminaire Tested: **FVS4WM-3-LD4-50-2STD-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-28)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-50-2STD-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 2-MODULE LED WITH P125 LENS
Light Source: (168) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

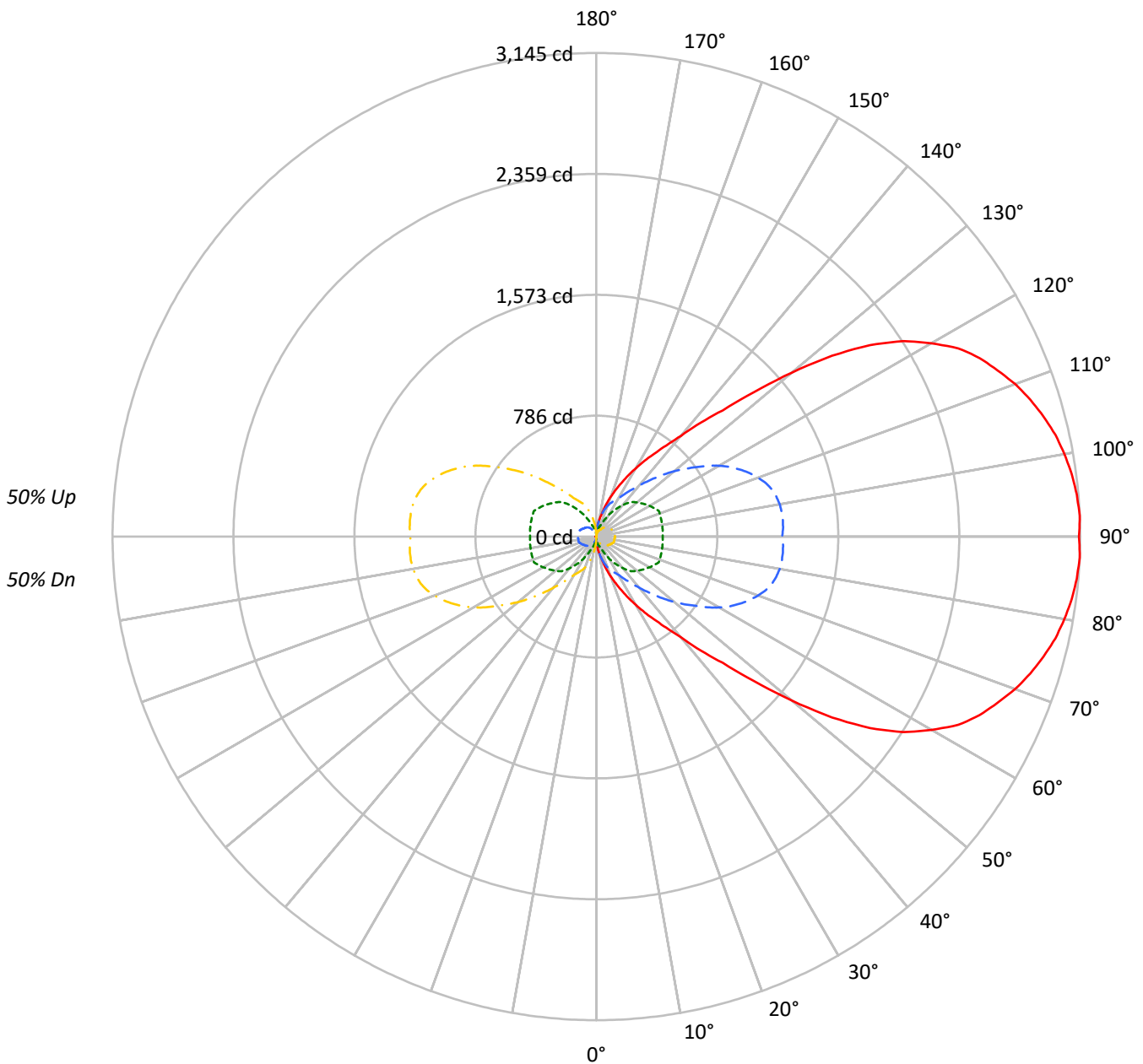
Lumens per Lamp: N/A
Luminaire Lumens: 7412.8 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 23.09 / 14.99 / 15.62
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 64
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	84	77	71	83	76	71	65	63	58	54	50	47	44	39	36	34	28
2	80	69	60	53	73	63	55	48	51	45	40	40	36	31	30	27	23	18
3	72	59	49	41	65	53	45	37	43	36	30	34	28	24	25	21	17	13
4	65	51	41	33	58	46	37	30	37	30	24	29	23	19	21	17	13	9
5	59	44	34	27	53	40	31	25	32	25	20	25	19	15	18	14	10	7
6	54	39	29	23	48	36	27	20	29	22	16	22	17	12	16	12	8	5
7	49	35	26	19	44	32	23	17	26	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	29	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	8	12	8	5	3
10	39	26	18	12	36	24	16	11	19	13	9	15	10	7	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	39	39	39	39
5°	1069	405	17	405
10°	1761	771	15	771
15°	2605	1149	14	1149
20°	3610	1546	13	1546
25°	4691	2315	12	2315
30°	5941	3502	23	3502
35°	7294	4814	22	4814
40°	9168	6297	21	6297
45°	12116	8018	21	8018
50°	17006	9384	21	9384
55°	22033	11077	20	11077
60°	25465	13245	30	13245
65°	27981	16118	31	16118
70°	29895	19474	31	19474
75°	31706	23697	32	23697
80°	33500	30635	0	30635
85°	35301	43925	0	43925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	26.5	0.4
20°-30°	73.7	1.0
30°-40°	159.5	2.2
40°-50°	306.8	4.1
50°-60°	527.6	7.1
60°-70°	745.5	10.1
70°-80°	895.0	12.1
80°-90°	967.8	13.1
90°-100°	967.8	13.1
100°-110°	895.0	12.1
110°-120°	745.5	10.1
120°-130°	527.6	7.1
130°-140°	306.8	4.1
140°-150°	159.5	2.2
150°-160°	73.7	1.0
160°-170°	26.5	0.4
170°-180°	3.9	0.1
0°-30°	104.1	1.4
0°-40°	263.6	3.6
0°-60°	1098.0	14.8
0°-90°	3706.4	50.0
90°-120°	2608.4	35.2
90°-150°	3602.3	48.6
90°-180°	3706.0	50.0
0°-180°	7412.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	62	21	1	21	62	7
15°	185	58	1	58	185	56
25°	384	112	1	112	384	183
35°	658	215	2	215	658	424
45°	1161	319	2	319	1161	940
55°	2170	372	2	372	2170	1926
65°	2748	426	3	426	2748	2715
75°	3010	436	3	436	3010	3179
85°	3134	433	0	433	3134	2551
90°	3137	431	0	431	3137	1722
95°	3134	433	0	433	3134	2551
105°	3010	436	3	436	3010	3179
115°	2748	426	3	426	2748	2715
125°	2170	372	2	372	2170	1926
135°	1161	319	2	319	1161	940
145°	658	215	2	215	658	424
155°	384	112	1	112	384	183
165°	185	58	1	58	185	56
175°	62	21	1	21	62	7
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	29.0	29.4	29.8	30.2	30.6	31.0	31.4	30.5	30.5	30.4	30.3
5°	62.0	62.8	63.6	64.4	65.1	64.3	64.4	64.4	64.2	63.9	63.4
7.5°	90.0	91.3	92.5	93.8	93.8	94.3	94.6	94.8	94.8	94.5	94.2
10°	114.0	115.8	117.7	119.5	119.8	120.8	121.5	122.0	122.3	122.4	122.2
12.5°	141.0	143.2	145.5	146.5	147.8	148.9	149.7	150.2	150.4	150.4	150.1
15°	184.9	186.6	188.3	187.9	188.0	187.8	187.2	186.2	185.0	183.5	181.8
17.5°	229.9	230.8	231.6	230.0	228.9	227.5	225.7	223.6	221.1	218.4	215.5
20°	276.9	276.9	276.9	273.8	271.5	268.6	265.3	261.5	257.3	252.8	247.9
22.5°	327.9	326.9	325.9	321.0	317.1	312.6	307.4	301.7	295.5	288.8	281.7
25°	383.9	381.7	377.3	372.4	366.7	360.1	352.8	344.7	336.1	327.0	317.4
27.5°	447.9	444.4	438.0	431.2	423.1	413.9	403.7	392.6	380.6	367.9	355.6
30°	512.9	509.4	502.7	495.1	485.8	474.8	462.2	447.9	432.0	414.5	399.0
32.5°	584.8	582.5	576.0	568.3	558.3	546.0	531.2	514.0	494.2	473.4	452.8
35°	657.8	657.4	652.3	645.7	636.4	624.2	609.0	590.7	569.2	545.6	519.5
37.5°	746.8	749.2	745.2	739.3	729.6	716.0	698.2	676.2	650.6	625.2	596.0
40°	855.8	860.4	856.8	850.8	840.2	824.8	804.7	779.6	751.4	719.7	683.2
42.5°	1004.7	1010.1	1003.5	993.9	978.4	957.0	929.7	896.9	864.6	828.1	786.4
45°	1160.7	1168.7	1162.7	1152.8	1135.4	1110.5	1077.9	1044.1	997.1	950.2	899.4
47.5°	1389.6	1395.9	1380.9	1361.1	1331.8	1293.4	1246.5	1196.9	1146.7	1088.2	1026.2
50°	1658.5	1656.6	1628.7	1596.6	1554.9	1505.2	1449.0	1387.5	1318.8	1234.0	1158.8
52.5°	1931.5	1920.5	1880.7	1836.4	1781.8	1718.9	1649.1	1576.6	1491.2	1395.4	1298.0
55°	2170.4	2148.5	2099.7	2047.4	1986.8	1919.8	1845.7	1755.9	1650.5	1543.6	1436.7
57.5°	2366.3	2335.7	2280.5	2222.0	2155.7	2083.3	2003.0	1912.6	1820.1	1692.0	1564.9
60°	2514.3	2480.1	2424.3	2364.3	2295.5	2218.8	2133.5	2043.8	1944.8	1832.7	1704.0
62.5°	2652.3	2605.4	2548.5	2483.5	2411.9	2336.3	2245.9	2153.5	2053.5	1949.7	1824.5
65°	2748.2	2705.1	2651.8	2587.3	2511.2	2427.7	2340.1	2244.4	2142.3	2036.3	1924.5
67.5°	2823.2	2783.3	2734.3	2675.1	2605.4	2519.0	2423.7	2323.3	2214.7	2105.7	1996.6
70°	2898.2	2865.3	2820.1	2760.0	2682.3	2595.5	2497.6	2392.0	2282.4	2168.6	2067.8
72.5°	2958.2	2931.3	2893.4	2842.7	2767.4	2667.4	2565.2	2449.5	2342.8	2238.9	2130.3
75°	3010.2	2995.2	2965.1	2903.3	2815.3	2725.0	2621.8	2512.8	2396.5	2291.2	2183.2
77.5°	3056.1	3044.7	3022.7	2958.4	2865.1	2759.4	2668.2	2560.2	2442.5	2328.4	2221.7
80°	3089.1	3076.5	3052.4	3001.4	2908.4	2803.7	2701.1	2600.0	2472.1	2354.7	2245.9
82.5°	3117.1	3099.1	3077.8	3032.0	2946.0	2832.8	2724.7	2614.5	2494.3	2377.5	2270.4
85°	3134.1	3112.8	3105.0	3048.5	2957.8	2845.7	2737.0	2630.6	2514.6	2395.3	2283.8
87.5°	3145.1	3127.9	3102.2	3057.7	2967.7	2856.4	2741.7	2633.4	2518.1	2401.8	2286.5
90°	3137.1	3111.1	3094.1	3044.1	2960.2	2845.2	2730.2	2620.3	2506.3	2396.3	2279.4
92.5°	3145.1	3127.9	3102.2	3057.7	2967.7	2856.4	2741.7	2633.4	2518.1	2401.8	2286.5
95°	3134.1	3112.8	3105.0	3048.5	2957.8	2845.7	2737.0	2630.6	2514.6	2395.3	2283.8
97.5°	3117.1	3099.1	3077.8	3032.0	2946.0	2832.8	2724.7	2614.5	2494.3	2377.5	2270.4
100°	3089.1	3076.5	3052.4	3001.4	2908.4	2803.7	2701.1	2600.0	2472.1	2354.7	2245.9
102.5°	3056.1	3044.7	3022.7	2958.4	2865.1	2759.4	2668.2	2560.2	2442.5	2328.4	2221.7
105°	3010.2	2995.2	2965.1	2903.3	2815.3	2725.0	2621.8	2512.8	2396.5	2291.2	2183.2
107.5°	2958.2	2931.3	2893.4	2842.7	2767.4	2667.4	2565.2	2449.5	2342.8	2238.9	2130.3
110°	2898.2	2865.3	2820.1	2760.0	2682.3	2595.5	2497.6	2392.0	2282.4	2168.6	2067.8



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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°	2823.2	2783.3	2734.3	2675.1	2605.4	2519.0	2423.7	2323.3	2214.7	2105.7	1996.6
115°	2748.2	2705.1	2651.8	2587.3	2511.2	2427.7	2340.1	2244.4	2142.3	2036.3	1924.5
117.5°	2652.3	2605.4	2548.5	2483.5	2411.9	2336.3	2245.9	2153.5	2053.5	1949.7	1824.5
120°	2514.3	2480.1	2424.3	2364.3	2295.5	2218.8	2133.5	2043.8	1944.8	1832.7	1704.0
122.5°	2366.3	2335.7	2280.5	2222.0	2155.7	2083.3	2003.0	1912.6	1820.1	1692.0	1564.9
125°	2170.4	2148.5	2099.7	2047.4	1986.8	1919.8	1845.7	1755.9	1650.5	1543.6	1436.7
127.5°	1931.5	1920.5	1880.7	1836.4	1781.8	1718.9	1649.1	1576.6	1491.2	1395.4	1298.0
130°	1658.5	1656.6	1628.7	1596.6	1554.9	1505.2	1449.0	1387.5	1318.8	1234.0	1158.8
132.5°	1389.6	1395.9	1380.9	1361.1	1331.8	1293.4	1246.5	1196.9	1146.7	1088.2	1026.2
135°	1160.7	1168.7	1162.7	1152.8	1135.4	1110.5	1077.9	1044.1	997.1	950.2	899.4
137.5°	1004.7	1010.1	1003.5	993.9	978.4	957.0	929.7	896.9	864.6	828.1	786.4
140°	855.8	860.4	856.8	850.8	840.2	824.8	804.7	779.6	751.4	719.7	683.2
142.5°	746.8	749.2	745.2	739.3	729.6	716.0	698.2	676.2	650.6	625.2	596.0
145°	657.8	657.4	652.3	645.7	636.4	624.2	609.0	590.7	569.2	545.6	519.5
147.5°	584.8	582.5	576.0	568.3	558.3	546.0	531.2	514.0	494.2	473.4	452.8
150°	512.9	509.4	502.7	495.1	485.8	474.8	462.2	447.9	432.0	414.5	399.0
152.5°	447.9	444.4	438.0	431.2	423.1	413.9	403.7	392.6	380.6	367.9	355.6
155°	383.9	381.7	377.3	372.4	366.7	360.1	352.8	344.7	336.1	327.0	317.4
157.5°	327.9	326.9	325.9	321.0	317.1	312.6	307.4	301.7	295.5	288.8	281.7
160°	276.9	276.9	276.9	273.8	271.5	268.6	265.3	261.5	257.3	252.8	247.9
162.5°	229.9	230.8	231.6	230.0	228.9	227.5	225.7	223.6	221.1	218.4	215.5
165°	184.9	186.6	188.3	187.9	188.0	187.8	187.2	186.2	185.0	183.5	181.8
167.5°	141.0	143.2	145.5	146.5	147.8	148.9	149.7	150.2	150.4	150.4	150.1
170°	114.0	115.8	117.7	119.5	119.8	120.8	121.5	122.0	122.3	122.4	122.2
172.5°	90.0	91.3	92.5	93.8	93.8	94.3	94.6	94.8	94.8	94.5	94.2
175°	62.0	62.8	63.6	64.4	65.1	64.3	64.4	64.4	64.2	63.9	63.4
177.5°	29.0	29.4	29.8	30.2	30.6	31.0	31.4	30.5	30.5	30.4	30.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	30.2	30.0	29.7	29.4	29.0	28.6	28.1	27.6	27.0	26.4	25.7
5°	62.9	62.2	61.4	60.4	59.4	58.2	56.9	55.5	54.0	52.3	50.6
7.5°	93.6	92.9	91.9	90.8	89.5	88.1	86.4	84.6	82.7	80.3	77.7
10°	121.8	121.2	120.4	119.3	118.0	116.5	114.5	112.1	109.5	106.6	103.5
12.5°	149.6	148.8	147.8	146.5	144.9	143.0	140.8	138.4	135.6	132.6	129.3
15°	179.9	177.8	175.5	173.6	171.7	169.5	167.1	164.4	161.4	157.7	153.7
17.5°	212.4	209.2	206.0	202.8	199.5	196.2	192.8	189.5	186.0	182.2	178.1
20°	242.8	238.1	233.7	229.4	225.0	220.8	216.8	212.9	209.2	205.6	201.3
22.5°	274.7	268.1	261.4	254.6	247.8	242.3	237.5	232.9	228.7	224.8	221.2
25°	308.4	299.3	290.0	280.6	272.1	264.3	256.6	249.4	244.7	240.5	237.2
27.5°	343.8	331.8	319.6	307.8	297.0	286.3	276.9	267.6	259.6	252.8	249.2
30°	383.0	366.6	351.0	336.1	322.2	308.3	296.6	285.2	279.1	276.9	274.5
32.5°	430.5	406.5	385.8	366.9	347.7	331.6	323.2	316.7	311.9	306.7	303.7
35°	490.5	460.5	432.9	403.6	382.9	372.1	360.4	352.7	344.6	338.4	332.8
37.5°	563.3	529.0	492.2	466.8	443.0	420.2	404.3	390.5	379.4	370.2	362.8
40°	643.6	606.7	574.7	543.1	511.3	481.7	455.6	432.8	416.8	403.2	393.1
42.5°	743.3	702.3	661.1	624.1	588.5	549.7	513.8	484.5	457.3	439.3	424.5
45°	853.1	804.4	756.7	708.1	663.5	619.7	579.3	539.4	506.9	477.8	457.8
47.5°	966.5	907.8	853.0	797.8	744.3	693.0	644.6	600.5	558.5	523.0	494.4
50°	1083.3	1014.8	948.4	887.1	829.2	768.3	712.6	660.0	613.9	571.2	533.0
52.5°	1203.9	1122.0	1044.3	974.0	907.4	845.4	781.1	722.7	669.5	620.3	588.4
55°	1330.7	1227.4	1139.3	1057.2	984.6	915.3	847.8	785.2	733.0	689.1	657.7
57.5°	1449.0	1335.9	1229.8	1138.7	1056.2	983.7	917.8	856.5	800.2	752.8	719.9
60°	1560.2	1435.0	1318.2	1212.6	1128.3	1052.5	984.4	921.3	863.8	814.5	777.3
62.5°	1685.7	1527.9	1402.6	1295.2	1199.1	1115.4	1044.3	980.3	922.0	869.4	829.7
65°	1789.8	1640.9	1486.4	1370.2	1267.9	1177.0	1097.4	1031.6	974.4	921.8	881.7
67.5°	1881.7	1734.4	1577.9	1438.5	1328.1	1231.7	1146.8	1078.3	1021.1	970.3	928.2
70°	1952.3	1813.1	1658.9	1499.1	1381.7	1282.4	1194.1	1119.0	1061.3	1013.6	969.6
72.5°	2019.7	1879.2	1717.2	1557.4	1425.4	1323.8	1234.8	1156.1	1096.1	1051.8	1009.3
75°	2070.6	1938.2	1773.0	1598.9	1457.9	1357.2	1266.5	1181.8	1119.3	1076.1	1041.1
77.5°	2115.4	1989.3	1819.2	1640.8	1495.1	1381.6	1284.1	1198.7	1134.9	1095.1	1068.1
80°	2144.4	2026.3	1864.9	1682.0	1525.3	1402.2	1298.1	1209.7	1146.0	1109.5	1091.2
82.5°	2169.3	2057.4	1903.5	1709.9	1546.8	1418.6	1308.1	1215.3	1153.1	1120.4	1111.2
85°	2185.0	2079.3	1932.5	1725.1	1559.7	1430.2	1313.8	1216.4	1157.1	1128.6	1129.0
87.5°	2191.5	2096.7	1957.5	1733.5	1568.1	1439.5	1317.5	1214.8	1159.2	1135.2	1145.3
90°	2189.4	2093.4	1953.4	1720.5	1561.6	1436.6	1311.6	1207.7	1158.7	1141.7	1161.7
92.5°	2191.5	2096.7	1957.5	1733.5	1568.1	1439.5	1317.5	1214.8	1159.2	1135.2	1145.3
95°	2185.0	2079.3	1932.5	1725.1	1559.7	1430.2	1313.8	1216.4	1157.1	1128.6	1129.0
97.5°	2169.3	2057.4	1903.5	1709.9	1546.8	1418.6	1308.1	1215.3	1153.1	1120.4	1111.2
100°	2144.4	2026.3	1864.9	1682.0	1525.3	1402.2	1298.1	1209.7	1146.0	1109.5	1091.2
102.5°	2115.4	1989.3	1819.2	1640.8	1495.1	1381.6	1284.1	1198.7	1134.9	1095.1	1068.1
105°	2070.6	1938.2	1773.0	1598.9	1457.9	1357.2	1266.5	1181.8	1119.3	1076.1	1041.1
107.5°	2019.7	1879.2	1717.2	1557.4	1425.4	1323.8	1234.8	1156.1	1096.1	1051.8	1009.3
110°	1952.3	1813.1	1658.9	1499.1	1381.7	1282.4	1194.1	1119.0	1061.3	1013.6	969.6



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	1881.7	1734.4	1577.9	1438.5	1328.1	1231.7	1146.8	1078.3	1021.1	970.3	928.2
115°	1789.8	1640.9	1486.4	1370.2	1267.9	1177.0	1097.4	1031.6	974.4	921.8	881.7
117.5°	1685.7	1527.9	1402.6	1295.2	1199.1	1115.4	1044.3	980.3	922.0	869.4	829.7
120°	1560.2	1435.0	1318.2	1212.6	1128.3	1052.5	984.4	921.3	863.8	814.5	777.3
122.5°	1449.0	1335.9	1229.8	1138.7	1056.2	983.7	917.8	856.5	800.2	752.8	719.9
125°	1330.7	1227.4	1139.3	1057.2	984.6	915.3	847.8	785.2	733.0	689.1	657.7
127.5°	1203.9	1122.0	1044.3	974.0	907.4	845.4	781.1	722.7	669.5	620.3	588.4
130°	1083.3	1014.8	948.4	887.1	829.2	768.3	712.6	660.0	613.9	571.2	533.0
132.5°	966.5	907.8	853.0	797.8	744.3	693.0	644.6	600.5	558.5	523.0	494.4
135°	853.1	804.4	756.7	708.1	663.5	619.7	579.3	539.4	506.9	477.8	457.8
137.5°	743.3	702.3	661.1	624.1	588.5	549.7	513.8	484.5	457.3	439.3	424.5
140°	643.6	606.7	574.7	543.1	511.3	481.7	455.6	432.8	416.8	403.2	393.1
142.5°	563.3	529.0	492.2	466.8	443.0	420.2	404.3	390.5	379.4	370.2	362.8
145°	490.5	460.5	432.9	403.6	382.9	372.1	360.4	352.7	344.6	338.4	332.8
147.5°	430.5	406.5	385.8	366.9	347.7	331.6	323.2	316.7	311.9	306.7	303.7
150°	383.0	366.6	351.0	336.1	322.2	308.3	296.6	285.2	279.1	276.9	274.5
152.5°	343.8	331.8	319.6	307.8	297.0	286.3	276.9	267.6	259.6	252.8	249.2
155°	308.4	299.3	290.0	280.6	272.1	264.3	256.6	249.4	244.7	240.5	237.2
157.5°	274.7	268.1	261.4	254.6	247.8	242.3	237.5	232.9	228.7	224.8	221.2
160°	242.8	238.1	233.7	229.4	225.0	220.8	216.8	212.9	209.2	205.6	201.3
162.5°	212.4	209.2	206.0	202.8	199.5	196.2	192.8	189.5	186.0	182.2	178.1
165°	179.9	177.8	175.5	173.6	171.7	169.5	167.1	164.4	161.4	157.7	153.7
167.5°	149.6	148.8	147.8	146.5	144.9	143.0	140.8	138.4	135.6	132.6	129.3
170°	121.8	121.2	120.4	119.3	118.0	116.5	114.5	112.1	109.5	106.6	103.5
172.5°	93.6	92.9	91.9	90.8	89.5	88.1	86.4	84.6	82.7	80.3	77.7
175°	62.9	62.2	61.4	60.4	59.4	58.2	56.9	55.5	54.0	52.3	50.6
177.5°	30.2	30.0	29.7	29.4	29.0	28.6	28.1	27.6	27.0	26.4	25.7
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	25.0	24.3	23.5	22.7	21.8	20.9	19.9	19.0	17.9	16.9	15.8
5°	48.7	46.8	44.8	43.1	41.4	39.6	37.7	35.8	33.8	31.7	29.6
7.5°	74.9	72.0	69.0	65.8	62.5	59.0	55.5	52.4	49.5	46.4	43.3
10°	100.2	96.7	93.3	88.8	84.4	79.8	75.1	70.2	65.2	61.0	56.8
12.5°	125.3	120.8	116.1	111.2	106.0	100.4	94.6	88.5	82.3	75.9	70.3
15°	149.4	144.7	140.5	133.7	127.3	120.7	113.9	106.7	99.2	91.6	83.9
17.5°	174.4	168.1	162.2	156.0	149.1	141.3	133.1	124.7	116.1	107.2	98.2
20°	196.3	191.0	185.2	177.9	170.2	162.1	152.7	142.9	132.8	122.7	112.5
22.5°	217.9	212.6	206.4	199.9	191.5	182.2	172.5	161.3	149.8	138.1	126.7
25°	233.6	230.9	226.9	219.8	214.3	206.8	198.0	188.7	178.0	166.8	155.5
27.5°	249.7	250.3	250.7	249.7	244.1	238.1	229.6	220.4	209.9	198.3	186.3
30°	274.6	275.0	275.1	275.0	273.0	266.8	260.0	250.7	241.7	229.1	217.0
32.5°	300.9	299.9	299.8	299.4	298.6	294.8	288.2	279.9	270.3	259.1	246.7
35°	328.9	325.8	324.5	323.8	322.8	321.4	315.3	308.8	298.8	288.5	276.1
37.5°	356.8	352.8	349.6	348.4	347.4	345.5	341.8	334.8	326.4	317.1	304.9
40°	385.4	379.2	375.7	372.8	371.4	369.5	367.2	360.8	353.1	344.3	333.2
42.5°	413.6	406.5	400.9	397.9	395.6	393.6	391.0	386.2	379.0	370.9	360.9
45°	443.5	432.5	426.5	422.5	419.8	417.5	414.7	411.0	404.1	396.8	388.2
47.5°	472.4	460.4	451.6	446.6	443.9	444.1	445.1	442.9	435.4	425.6	414.3
50°	507.1	490.3	491.1	496.7	499.9	498.9	494.3	486.2	473.2	457.0	441.1
52.5°	565.9	557.8	559.5	563.4	564.8	557.8	547.0	532.5	513.6	489.9	468.9
55°	633.1	624.5	625.2	630.6	632.5	620.4	602.9	581.7	556.3	525.0	497.7
57.5°	697.2	686.0	688.6	696.9	699.3	686.6	661.7	633.4	601.0	562.1	527.5
60°	754.8	744.4	750.1	760.8	766.4	755.9	723.2	687.4	647.2	600.7	558.1
62.5°	809.3	801.6	807.9	822.7	833.9	828.1	787.0	743.2	695.0	640.7	589.5
65°	859.3	853.8	862.1	882.9	901.6	897.1	853.0	800.6	744.2	681.8	621.5
67.5°	904.2	901.4	913.2	940.9	964.0	963.8	920.7	859.5	794.6	723.8	654.0
70°	945.7	947.0	964.4	994.1	1015.2	1009.5	960.3	886.4	812.2	735.9	661.3
72.5°	985.9	984.9	998.3	1021.5	1035.7	1021.9	971.4	893.3	816.2	739.8	664.4
75°	1020.2	1019.1	1031.1	1050.5	1060.5	1036.7	981.9	899.6	819.3	742.7	666.8
77.5°	1051.2	1052.6	1064.6	1080.8	1088.8	1053.2	991.8	905.3	821.3	744.7	668.6
80°	1079.6	1085.6	1098.9	1112.4	1119.6	1070.8	1000.7	910.3	822.5	745.8	669.9
82.5°	1106.2	1118.2	1133.7	1145.1	1152.0	1088.9	1008.7	914.3	822.7	746.0	672.5
85°	1131.6	1150.8	1169.0	1178.4	1185.2	1110.1	1018.6	919.9	823.8	746.8	671.6
87.5°	1156.1	1183.2	1204.7	1212.3	1219.0	1124.9	1021.6	919.8	820.8	744.3	670.7
90°	1181.7	1216.7	1240.7	1246.6	1249.6	1139.7	1024.7	919.7	817.8	741.8	669.8
92.5°	1156.1	1183.2	1204.7	1212.3	1219.0	1124.9	1021.6	919.8	820.8	744.3	670.7
95°	1131.6	1150.8	1169.0	1178.4	1185.2	1110.1	1018.6	919.9	823.8	746.8	671.6
97.5°	1106.2	1118.2	1133.7	1145.1	1152.0	1088.9	1008.7	914.3	822.7	746.0	672.5
100°	1079.6	1085.6	1098.9	1112.4	1119.6	1070.8	1000.7	910.3	822.5	745.8	669.9
102.5°	1051.2	1052.6	1064.6	1080.8	1088.8	1053.2	991.8	905.3	821.3	744.7	668.6
105°	1020.2	1019.1	1031.1	1050.5	1060.5	1036.7	981.9	899.6	819.3	742.7	666.8
107.5°	985.9	984.9	998.3	1021.5	1035.7	1021.9	971.4	893.3	816.2	739.8	664.4
110°	945.7	947.0	964.4	994.1	1015.2	1009.5	960.3	886.4	812.2	735.9	661.3



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	904.2	901.4	913.2	940.9	964.0	963.8	920.7	859.5	794.6	723.8	654.0
115°	859.3	853.8	862.1	882.9	901.6	897.1	853.0	800.6	744.2	681.8	621.5
117.5°	809.3	801.6	807.9	822.7	833.9	828.1	787.0	743.2	695.0	640.7	589.5
120°	754.8	744.4	750.1	760.8	766.4	755.9	723.2	687.4	647.2	600.7	558.1
122.5°	697.2	686.0	688.6	696.9	699.3	686.6	661.7	633.4	601.0	562.1	527.5
125°	633.1	624.5	625.2	630.6	632.5	620.4	602.9	581.7	556.3	525.0	497.7
127.5°	565.9	557.8	559.5	563.4	564.8	557.8	547.0	532.5	513.6	489.9	468.9
130°	507.1	490.3	491.1	496.7	499.9	498.9	494.3	486.2	473.2	457.0	441.1
132.5°	472.4	460.4	451.6	446.6	443.9	444.1	445.1	442.9	435.4	425.6	414.3
135°	443.5	432.5	426.5	422.5	419.8	417.5	414.7	411.0	404.1	396.8	388.2
137.5°	413.6	406.5	400.9	397.9	395.6	393.6	391.0	386.2	379.0	370.9	360.9
140°	385.4	379.2	375.7	372.8	371.4	369.5	367.2	360.8	353.1	344.3	333.2
142.5°	356.8	352.8	349.6	348.4	347.4	345.5	341.8	334.8	326.4	317.1	304.9
145°	328.9	325.8	324.5	323.8	322.8	321.4	315.3	308.8	298.8	288.5	276.1
147.5°	300.9	299.9	299.8	299.4	298.6	294.8	288.2	279.9	270.3	259.1	246.7
150°	274.6	275.0	275.1	275.0	273.0	266.8	260.0	250.7	241.7	229.1	217.0
152.5°	249.7	250.3	250.7	249.7	244.1	238.1	229.6	220.4	209.9	198.3	186.3
155°	233.6	230.9	226.9	219.8	214.3	206.8	198.0	188.7	178.0	166.8	155.5
157.5°	217.9	212.6	206.4	199.9	191.5	182.2	172.5	161.3	149.8	138.1	126.7
160°	196.3	191.0	185.2	177.9	170.2	162.1	152.7	142.9	132.8	122.7	112.5
162.5°	174.4	168.1	162.2	156.0	149.1	141.3	133.1	124.7	116.1	107.2	98.2
165°	149.4	144.7	140.5	133.7	127.3	120.7	113.9	106.7	99.2	91.6	83.9
167.5°	125.3	120.8	116.1	111.2	106.0	100.4	94.6	88.5	82.3	75.9	70.3
170°	100.2	96.7	93.3	88.8	84.4	79.8	75.1	70.2	65.2	61.0	56.8
172.5°	74.9	72.0	69.0	65.8	62.5	59.0	55.5	52.4	49.5	46.4	43.3
175°	48.7	46.8	44.8	43.1	41.4	39.6	37.7	35.8	33.8	31.7	29.6
177.5°	25.0	24.3	23.5	22.7	21.8	20.9	19.9	19.0	17.9	16.9	15.8
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	14.7	13.6	12.5	11.3	11.3	11.2	11.1	11.0	10.9	10.8	10.6
5°	27.4	25.2	23.0	20.7	20.5	20.3	20.0	19.8	19.5	19.1	18.8
7.5°	40.0	36.8	33.4	30.0	29.6	29.2	28.7	28.2	27.7	27.1	26.4
10°	52.6	48.3	43.8	39.3	38.7	38.0	37.2	36.4	35.5	34.6	33.9
12.5°	65.1	59.7	54.2	48.7	47.7	46.6	45.4	44.2	43.1	42.2	41.3
15°	77.4	71.1	64.6	58.0	56.6	55.0	53.4	51.9	50.9	49.8	48.6
17.5°	89.7	82.4	74.9	67.3	65.4	63.4	61.3	59.8	58.6	57.2	55.9
20°	102.1	93.6	85.2	76.7	74.2	71.6	69.0	67.6	66.2	64.7	63.3
22.5°	115.0	104.8	95.5	86.0	82.9	79.6	77.0	75.4	73.7	72.2	70.7
25°	143.9	132.7	122.5	111.9	107.4	102.5	98.7	95.4	91.9	88.5	84.9
27.5°	173.8	161.1	149.7	137.8	131.9	125.6	121.1	116.7	112.2	107.6	102.8
30°	203.5	189.6	176.9	163.6	156.2	148.4	143.1	137.4	131.7	125.8	120.1
32.5°	233.0	218.3	204.1	189.5	180.4	171.4	164.6	157.6	150.4	143.4	136.6
35°	262.3	246.9	231.4	215.4	204.5	194.1	185.8	177.3	168.5	160.5	152.6
37.5°	291.4	275.4	258.6	241.3	228.4	216.5	206.7	196.5	186.4	177.1	167.5
40°	320.3	303.7	285.9	267.1	252.2	238.8	227.2	215.1	203.5	193.2	181.7
42.5°	348.9	331.9	313.2	293.0	275.9	260.8	247.9	233.3	220.6	209.3	195.4
45°	376.6	359.9	340.5	318.9	299.5	282.6	267.3	251.1	237.3	223.6	208.5
47.5°	398.4	378.4	356.1	332.2	310.6	291.8	274.6	257.3	243.9	230.3	216.2
50°	420.4	396.8	371.5	345.6	321.4	300.1	280.3	261.0	246.3	232.2	218.5
52.5°	443.3	415.5	387.0	358.9	332.1	308.2	285.7	264.8	248.6	234.6	221.3
55°	467.0	434.4	402.6	372.2	342.7	316.1	291.0	268.5	251.0	237.3	224.7
57.5°	491.3	453.6	418.1	385.6	353.3	323.8	296.0	272.0	253.9	240.6	228.6
60°	516.3	472.9	433.7	398.9	363.9	331.4	300.8	275.4	257.1	244.4	233.5
62.5°	541.8	492.4	449.3	412.2	374.4	338.8	305.6	278.7	260.6	248.7	238.1
65°	567.7	511.9	464.8	425.6	384.9	346.2	310.2	281.9	264.4	253.4	243.8
67.5°	593.9	531.6	480.4	438.9	395.4	353.5	314.8	285.2	268.5	258.4	250.0
70°	599.9	536.3	484.0	438.0	393.4	350.4	311.7	282.9	267.1	257.5	250.6
72.5°	603.8	540.3	487.6	437.1	391.5	347.0	308.3	280.2	264.3	254.2	247.9
75°	607.3	544.0	493.2	436.2	389.6	343.8	305.1	277.7	261.5	250.9	245.5
77.5°	610.2	547.5	496.3	435.3	387.7	340.8	302.1	275.5	258.7	247.7	243.2
80°	612.8	552.4	499.4	434.5	386.0	337.9	299.4	273.5	255.9	244.5	241.2
82.5°	616.4	554.8	502.6	433.6	384.3	335.1	296.9	271.8	253.2	241.4	239.3
85°	617.2	557.1	505.7	432.7	382.8	332.5	294.7	270.3	250.6	238.5	237.4
87.5°	618.0	559.5	508.8	431.8	381.3	330.1	292.7	269.0	248.2	235.6	235.6
90°	618.8	561.8	511.9	430.9	379.9	327.9	290.9	267.9	245.9	232.9	233.9
92.5°	618.0	559.5	508.8	431.8	381.3	330.1	292.7	269.0	248.2	235.6	235.6
95°	617.2	557.1	505.7	432.7	382.8	332.5	294.7	270.3	250.6	238.5	237.4
97.5°	616.4	554.8	502.6	433.6	384.3	335.1	296.9	271.8	253.2	241.4	239.3
100°	612.8	552.4	499.4	434.5	386.0	337.9	299.4	273.5	255.9	244.5	241.2
102.5°	610.2	547.5	496.3	435.3	387.7	340.8	302.1	275.5	258.7	247.7	243.2
105°	607.3	544.0	493.2	436.2	389.6	343.8	305.1	277.7	261.5	250.9	245.5
107.5°	603.8	540.3	487.6	437.1	391.5	347.0	308.3	280.2	264.3	254.2	247.9
110°	599.9	536.3	484.0	438.0	393.4	350.4	311.7	282.9	267.1	257.5	250.6



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	593.9	531.6	480.4	438.9	395.4	353.5	314.8	285.2	268.5	258.4	250.0
115°	567.7	511.9	464.8	425.6	384.9	346.2	310.2	281.9	264.4	253.4	243.8
117.5°	541.8	492.4	449.3	412.2	374.4	338.8	305.6	278.7	260.6	248.7	238.1
120°	516.3	472.9	433.7	398.9	363.9	331.4	300.8	275.4	257.1	244.4	233.5
122.5°	491.3	453.6	418.1	385.6	353.3	323.8	296.0	272.0	253.9	240.6	228.6
125°	467.0	434.4	402.6	372.2	342.7	316.1	291.0	268.5	251.0	237.3	224.7
127.5°	443.3	415.5	387.0	358.9	332.1	308.2	285.7	264.8	248.6	234.6	221.3
130°	420.4	396.8	371.5	345.6	321.4	300.1	280.3	261.0	246.3	232.2	218.5
132.5°	398.4	378.4	356.1	332.2	310.6	291.8	274.6	257.3	243.9	230.3	216.2
135°	376.6	359.9	340.5	318.9	299.5	282.6	267.3	251.1	237.3	223.6	208.5
137.5°	348.9	331.9	313.2	293.0	275.9	260.8	247.9	233.3	220.6	209.3	195.4
140°	320.3	303.7	285.9	267.1	252.2	238.8	227.2	215.1	203.5	193.2	181.7
142.5°	291.4	275.4	258.6	241.3	228.4	216.5	206.7	196.5	186.4	177.1	167.5
145°	262.3	246.9	231.4	215.4	204.5	194.1	185.8	177.3	168.5	160.5	152.6
147.5°	233.0	218.3	204.1	189.5	180.4	171.4	164.6	157.6	150.4	143.4	136.6
150°	203.5	189.6	176.9	163.6	156.2	148.4	143.1	137.4	131.7	125.8	120.1
152.5°	173.8	161.1	149.7	137.8	131.9	125.6	121.1	116.7	112.2	107.6	102.8
155°	143.9	132.7	122.5	111.9	107.4	102.5	98.7	95.4	91.9	88.5	84.9
157.5°	115.0	104.8	95.5	86.0	82.9	79.6	77.0	75.4	73.7	72.2	70.7
160°	102.1	93.6	85.2	76.7	74.2	71.6	69.0	67.6	66.2	64.7	63.3
162.5°	89.7	82.4	74.9	67.3	65.4	63.4	61.3	59.8	58.6	57.2	55.9
165°	77.4	71.1	64.6	58.0	56.6	55.0	53.4	51.9	50.9	49.8	48.6
167.5°	65.1	59.7	54.2	48.7	47.7	46.6	45.4	44.2	43.1	42.2	41.3
170°	52.6	48.3	43.8	39.3	38.7	38.0	37.2	36.4	35.5	34.6	33.9
172.5°	40.0	36.8	33.4	30.0	29.6	29.2	28.7	28.2	27.7	27.1	26.4
175°	27.4	25.2	23.0	20.7	20.5	20.3	20.0	19.8	19.5	19.1	18.8
177.5°	14.7	13.6	12.5	11.3	11.3	11.2	11.1	11.0	10.9	10.8	10.6
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	10.5	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.7	8.4	8.2
5°	18.4	18.0	17.6	17.1	16.6	16.2	15.6	15.1	14.6	14.0	13.4
7.5°	25.8	25.2	24.6	23.9	23.2	22.4	21.7	20.9	20.1	19.2	18.4
10°	33.1	32.3	31.4	30.5	29.6	28.7	27.8	26.9	25.9	24.9	23.9
12.5°	40.3	39.3	38.3	37.3	36.3	35.2	34.1	32.9	31.6	30.3	28.9
15°	47.5	46.4	45.3	44.1	42.8	41.4	39.9	38.4	36.8	35.3	33.5
17.5°	54.7	53.5	52.1	50.6	48.9	47.2	45.5	43.5	41.5	39.5	37.5
20°	61.9	60.5	58.6	56.7	54.8	52.6	50.4	48.1	45.8	43.7	41.5
22.5°	69.1	67.0	64.9	62.6	60.1	57.5	55.0	52.6	50.2	47.8	45.0
25°	81.0	76.9	72.5	67.9	65.0	62.3	59.7	57.0	53.8	50.6	47.4
27.5°	98.0	92.9	87.3	81.6	76.4	71.2	65.8	60.2	56.5	53.4	50.5
30°	114.2	107.7	101.0	94.7	88.6	82.1	75.3	68.9	63.3	58.0	53.5
32.5°	129.3	121.5	114.0	106.7	99.1	91.2	83.9	77.4	71.2	65.3	59.7
35°	143.6	134.6	126.1	117.4	108.1	99.5	92.0	84.8	78.1	71.8	66.0
37.5°	157.0	147.0	137.3	126.6	116.3	107.5	99.1	91.5	84.3	77.7	71.7
40°	169.9	158.6	146.9	134.8	124.3	114.5	105.7	97.5	89.9	83.1	77.1
42.5°	182.2	169.5	155.7	142.9	131.4	121.2	111.7	102.9	95.1	88.2	81.5
45°	194.0	179.1	163.7	150.4	138.3	127.3	117.2	108.0	100.1	92.4	84.9
47.5°	202.6	187.5	171.8	157.2	144.8	133.0	122.0	113.1	104.2	95.6	88.3
50°	204.9	189.9	175.6	162.2	149.9	138.1	127.3	117.4	107.4	98.8	91.0
52.5°	207.8	193.5	179.3	166.1	153.8	142.1	132.4	121.6	110.5	101.5	92.9
55°	211.6	197.8	183.6	170.3	158.2	147.8	138.1	127.4	116.3	105.2	94.6
57.5°	216.2	202.5	188.4	175.1	163.1	154.3	144.8	133.8	121.9	109.7	98.8
60°	221.6	207.6	193.5	180.6	169.8	161.5	152.5	140.1	126.8	114.0	102.4
62.5°	227.5	213.2	198.9	186.4	177.2	169.5	159.8	146.2	131.4	118.1	105.8
65°	233.4	219.1	204.6	192.7	185.3	178.3	166.7	151.6	136.0	121.9	109.0
67.5°	239.6	225.3	211.1	200.0	193.9	187.9	173.7	156.7	140.5	125.8	112.4
70°	241.4	228.6	216.3	207.9	203.2	196.7	180.7	161.8	144.9	129.7	115.8
72.5°	239.1	227.5	216.4	208.5	204.0	197.0	182.6	165.5	149.3	133.7	119.1
75°	237.2	227.0	216.7	209.0	203.6	194.9	181.0	164.9	148.4	133.4	119.9
77.5°	235.8	227.1	217.3	209.2	203.0	193.4	180.7	164.7	147.6	132.1	118.7
80°	234.7	227.7	218.2	209.4	202.3	192.6	181.4	165.1	147.2	131.2	118.1
82.5°	234.0	228.7	219.3	209.6	201.6	192.3	182.9	165.9	147.0	130.9	118.2
85°	233.5	229.9	220.6	209.9	200.9	192.5	185.1	167.4	147.4	131.0	118.9
87.5°	233.2	231.4	222.2	210.3	200.3	193.1	187.9	169.4	148.4	131.7	120.2
90°	232.9	232.9	223.9	210.9	199.9	193.9	190.9	172.0	150.0	133.0	122.0
92.5°	233.2	231.4	222.2	210.3	200.3	193.1	187.9	169.4	148.4	131.7	120.2
95°	233.5	229.9	220.6	209.9	200.9	192.5	185.1	167.4	147.4	131.0	118.9
97.5°	234.0	228.7	219.3	209.6	201.6	192.3	182.9	165.9	147.0	130.9	118.2
100°	234.7	227.7	218.2	209.4	202.3	192.6	181.4	165.1	147.2	131.2	118.1
102.5°	235.8	227.1	217.3	209.2	203.0	193.4	180.7	164.7	147.6	132.1	118.7
105°	237.2	227.0	216.7	209.0	203.6	194.9	181.0	164.9	148.4	133.4	119.9
107.5°	239.1	227.5	216.4	208.5	204.0	197.0	182.6	165.5	149.3	133.7	119.1
110°	241.4	228.6	216.3	207.9	203.2	196.7	180.7	161.8	144.9	129.7	115.8



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	239.6	225.3	211.1	200.0	193.9	187.9	173.7	156.7	140.5	125.8	112.4
115°	233.4	219.1	204.6	192.7	185.3	178.3	166.7	151.6	136.0	121.9	109.0
117.5°	227.5	213.2	198.9	186.4	177.2	169.5	159.8	146.2	131.4	118.1	105.8
120°	221.6	207.6	193.5	180.6	169.8	161.5	152.5	140.1	126.8	114.0	102.4
122.5°	216.2	202.5	188.4	175.1	163.1	154.3	144.8	133.8	121.9	109.7	98.8
125°	211.6	197.8	183.6	170.3	158.2	147.8	138.1	127.4	116.3	105.2	94.6
127.5°	207.8	193.5	179.3	166.1	153.8	142.1	132.4	121.6	110.5	101.5	92.9
130°	204.9	189.9	175.6	162.2	149.9	138.1	127.3	117.4	107.4	98.8	91.0
132.5°	202.6	187.5	171.8	157.2	144.8	133.0	122.0	113.1	104.2	95.6	88.3
135°	194.0	179.1	163.7	150.4	138.3	127.3	117.2	108.0	100.1	92.4	84.9
137.5°	182.2	169.5	155.7	142.9	131.4	121.2	111.7	102.9	95.1	88.2	81.5
140°	169.9	158.6	146.9	134.8	124.3	114.5	105.7	97.5	89.9	83.1	77.1
142.5°	157.0	147.0	137.3	126.6	116.3	107.5	99.1	91.5	84.3	77.7	71.7
145°	143.6	134.6	126.1	117.4	108.1	99.5	92.0	84.8	78.1	71.8	66.0
147.5°	129.3	121.5	114.0	106.7	99.1	91.2	83.9	77.4	71.2	65.3	59.7
150°	114.2	107.7	101.0	94.7	88.6	82.1	75.3	68.9	63.3	58.0	53.5
152.5°	98.0	92.9	87.3	81.6	76.4	71.2	65.8	60.2	56.5	53.4	50.5
155°	81.0	76.9	72.5	67.9	65.0	62.3	59.7	57.0	53.8	50.6	47.4
157.5°	69.1	67.0	64.9	62.6	60.1	57.5	55.0	52.6	50.2	47.8	45.0
160°	61.9	60.5	58.6	56.7	54.8	52.6	50.4	48.1	45.8	43.7	41.5
162.5°	54.7	53.5	52.1	50.6	48.9	47.2	45.5	43.5	41.5	39.5	37.5
165°	47.5	46.4	45.3	44.1	42.8	41.4	39.9	38.4	36.8	35.3	33.5
167.5°	40.3	39.3	38.3	37.3	36.3	35.2	34.1	32.9	31.6	30.3	28.9
170°	33.1	32.3	31.4	30.5	29.6	28.7	27.8	26.9	25.9	24.9	23.9
172.5°	25.8	25.2	24.6	23.9	23.2	22.4	21.7	20.9	20.1	19.2	18.4
175°	18.4	18.0	17.6	17.1	16.6	16.2	15.6	15.1	14.6	14.0	13.4
177.5°	10.5	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.7	8.4	8.2
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	7.9	7.6	7.3	6.9	6.6	6.3	5.9	5.6	5.3	4.9	4.6
5°	12.8	12.2	11.6	10.9	10.2	9.6	8.9	8.2	7.5	6.8	6.1
7.5°	17.6	16.8	15.9	15.0	14.1	13.2	12.2	11.3	10.3	9.3	8.3
10°	22.8	21.6	20.5	19.3	18.1	16.8	15.6	14.3	13.0	11.7	10.4
12.5°	27.5	26.1	24.6	23.1	21.6	20.0	18.5	16.9	15.3	13.8	12.2
15°	31.7	30.0	28.2	26.4	24.6	22.9	21.1	19.3	17.5	15.7	13.9
17.5°	35.5	33.6	31.6	29.7	27.7	25.7	23.5	21.4	19.3	17.2	15.1
20°	39.4	37.1	34.6	32.2	29.8	27.4	25.1	22.9	20.7	18.5	16.3
22.5°	42.2	39.4	36.7	34.3	31.9	29.5	27.1	24.7	22.3	19.9	17.5
25°	44.7	42.0	39.4	36.7	34.1	31.5	28.9	26.3	23.8	21.2	18.7
27.5°	47.6	44.7	41.8	38.9	36.2	33.5	30.8	28.1	25.5	22.9	20.2
30°	50.3	47.2	44.3	41.4	38.6	35.9	33.2	30.4	27.6	24.8	22.1
32.5°	54.5	50.0	47.1	44.3	41.5	38.6	35.8	32.9	30.0	27.1	24.2
35°	60.5	55.7	51.2	47.5	44.5	41.5	38.6	35.7	32.7	29.5	26.2
37.5°	66.3	61.2	56.3	51.7	47.8	44.9	41.8	38.4	35.0	31.4	27.8
40°	71.2	65.6	60.7	56.3	52.2	48.1	44.4	40.6	36.7	32.8	29.0
42.5°	75.0	69.6	64.7	59.7	55.2	50.7	46.4	42.4	38.5	34.7	30.7
45°	78.7	72.9	67.3	62.0	57.0	52.4	48.3	44.7	40.5	36.1	31.8
47.5°	81.6	75.1	69.1	63.4	58.4	53.9	49.6	45.6	41.9	37.4	32.9
50°	83.5	76.7	70.3	64.6	59.3	54.5	50.0	45.9	42.2	38.2	33.3
52.5°	85.0	77.8	71.1	65.1	59.6	54.6	49.9	45.7	41.6	37.9	34.0
55°	86.2	78.5	71.5	65.2	59.4	54.2	49.6	45.3	41.4	37.7	34.0
57.5°	88.5	79.0	71.6	65.0	59.0	54.0	49.3	45.0	40.8	36.7	32.9
60°	91.6	81.8	72.7	64.4	59.0	53.9	49.0	44.3	39.9	35.9	31.9
62.5°	94.6	84.3	74.6	66.7	59.6	53.6	48.4	43.8	39.4	35.1	30.9
65°	97.4	86.6	76.9	68.6	61.1	54.1	48.2	43.5	39.0	34.4	29.6
67.5°	100.1	88.9	78.9	70.3	62.3	55.2	49.2	43.6	38.6	33.8	29.0
70°	102.9	91.2	80.9	71.9	63.3	56.3	50.0	44.1	38.6	33.6	28.3
72.5°	105.7	93.5	83.0	73.3	64.7	57.5	50.8	44.3	38.4	32.7	27.3
75°	107.6	95.9	85.2	74.7	66.2	58.8	51.3	44.2	37.5	31.0	25.5
77.5°	106.8	96.0	85.8	76.1	67.8	60.0	51.8	44.0	36.1	28.9	22.9
80°	106.9	96.5	86.3	76.9	68.3	60.0	51.7	43.4	34.5	26.4	19.6
82.5°	107.8	97.6	87.3	78.1	68.7	59.7	50.9	42.0	32.9	24.0	15.9
85°	109.3	99.2	89.0	79.9	69.3	59.8	50.6	41.2	32.0	22.7	14.1
87.5°	111.4	101.3	91.2	82.2	70.3	60.6	51.0	41.1	32.0	22.3	13.5
90°	114.0	104.0	94.0	85.0	72.0	62.0	52.0	42.0	33.0	23.0	14.0
92.5°	111.4	101.3	91.2	82.2	70.3	60.6	51.0	41.1	32.0	22.3	13.5
95°	109.3	99.2	89.0	79.9	69.3	59.8	50.6	41.2	32.0	22.7	14.1
97.5°	107.8	97.6	87.3	78.1	68.7	59.7	50.9	42.0	32.9	24.0	15.9
100°	106.9	96.5	86.3	76.9	68.3	60.0	51.7	43.4	34.5	26.4	19.6
102.5°	106.8	96.0	85.8	76.1	67.8	60.0	51.8	44.0	36.1	28.9	22.9
105°	107.6	95.9	85.2	74.7	66.2	58.8	51.3	44.2	37.5	31.0	25.5
107.5°	105.7	93.5	83.0	73.3	64.7	57.5	50.8	44.3	38.4	32.7	27.3
110°	102.9	91.2	80.9	71.9	63.3	56.3	50.0	44.1	38.6	33.6	28.3



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	100.1	88.9	78.9	70.3	62.3	55.2	49.2	43.6	38.6	33.8	29.0
115°	97.4	86.6	76.9	68.6	61.1	54.1	48.2	43.5	39.0	34.4	29.6
117.5°	94.6	84.3	74.6	66.7	59.6	53.6	48.4	43.8	39.4	35.1	30.9
120°	91.6	81.8	72.7	64.4	59.0	53.9	49.0	44.3	39.9	35.9	31.9
122.5°	88.5	79.0	71.6	65.0	59.0	54.0	49.3	45.0	40.8	36.7	32.9
125°	86.2	78.5	71.5	65.2	59.4	54.2	49.6	45.3	41.4	37.7	34.0
127.5°	85.0	77.8	71.1	65.1	59.6	54.6	49.9	45.7	41.6	37.9	34.0
130°	83.5	76.7	70.3	64.6	59.3	54.5	50.0	45.9	42.2	38.2	33.3
132.5°	81.6	75.1	69.1	63.4	58.4	53.9	49.6	45.6	41.9	37.4	32.9
135°	78.7	72.9	67.3	62.0	57.0	52.4	48.3	44.7	40.5	36.1	31.8
137.5°	75.0	69.6	64.7	59.7	55.2	50.7	46.4	42.4	38.5	34.7	30.7
140°	71.2	65.6	60.7	56.3	52.2	48.1	44.4	40.6	36.7	32.8	29.0
142.5°	66.3	61.2	56.3	51.7	47.8	44.9	41.8	38.4	35.0	31.4	27.8
145°	60.5	55.7	51.2	47.5	44.5	41.5	38.6	35.7	32.7	29.5	26.2
147.5°	54.5	50.0	47.1	44.3	41.5	38.6	35.8	32.9	30.0	27.1	24.2
150°	50.3	47.2	44.3	41.4	38.6	35.9	33.2	30.4	27.6	24.8	22.1
152.5°	47.6	44.7	41.8	38.9	36.2	33.5	30.8	28.1	25.5	22.9	20.2
155°	44.7	42.0	39.4	36.7	34.1	31.5	28.9	26.3	23.8	21.2	18.7
157.5°	42.2	39.4	36.7	34.3	31.9	29.5	27.1	24.7	22.3	19.9	17.5
160°	39.4	37.1	34.6	32.2	29.8	27.4	25.1	22.9	20.7	18.5	16.3
162.5°	35.5	33.6	31.6	29.7	27.7	25.7	23.5	21.4	19.3	17.2	15.1
165°	31.7	30.0	28.2	26.4	24.6	22.9	21.1	19.3	17.5	15.7	13.9
167.5°	27.5	26.1	24.6	23.1	21.6	20.0	18.5	16.9	15.3	13.8	12.2
170°	22.8	21.6	20.5	19.3	18.1	16.8	15.6	14.3	13.0	11.7	10.4
172.5°	17.6	16.8	15.9	15.0	14.1	13.2	12.2	11.3	10.3	9.3	8.3
175°	12.8	12.2	11.6	10.9	10.2	9.6	8.9	8.2	7.5	6.8	6.1
177.5°	7.9	7.6	7.3	6.9	6.6	6.3	5.9	5.6	5.3	4.9	4.6
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	4.2	3.8	3.5	3.1	2.7	2.4	2.0	2.4	2.7	3.1	3.5
5°	5.3	4.6	3.9	3.2	2.4	1.7	1.0	1.7	2.4	3.2	3.9
7.5°	7.3	6.2	5.2	4.2	3.1	2.1	1.0	2.1	3.1	4.2	5.2
10°	9.1	7.7	6.4	5.0	3.7	2.4	1.0	2.4	3.7	5.0	6.4
12.5°	10.6	9.0	7.4	5.8	4.2	2.6	1.0	2.6	4.2	5.8	7.4
15°	12.0	10.2	8.4	6.5	4.7	2.8	1.0	2.8	4.7	6.5	8.4
17.5°	13.1	11.0	9.0	7.0	5.0	3.0	1.0	3.0	5.0	7.0	9.0
20°	14.1	11.9	9.7	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.7
22.5°	15.1	12.8	10.4	8.0	5.7	3.3	1.0	3.3	5.7	8.0	10.4
25°	16.2	13.7	11.1	8.6	6.1	3.5	1.0	3.5	6.1	8.6	11.1
27.5°	17.5	14.8	12.1	9.3	6.5	3.8	1.0	3.8	6.5	9.3	12.1
30°	19.3	16.4	13.6	10.7	7.9	4.9	2.0	4.9	7.9	10.7	13.6
32.5°	21.1	18.1	14.9	11.7	8.5	5.3	2.0	5.3	8.5	11.7	14.9
35°	22.8	19.4	15.9	12.5	9.0	5.5	2.0	5.5	9.0	12.5	15.9
37.5°	24.1	20.4	16.7	13.0	9.3	5.7	2.0	5.7	9.3	13.0	16.7
40°	25.2	21.4	17.6	13.7	9.8	5.9	2.0	5.9	9.8	13.7	17.6
42.5°	26.6	22.4	18.3	14.2	10.1	6.1	2.0	6.1	10.2	14.2	18.3
45°	27.5	23.2	18.9	14.7	10.5	6.2	2.0	6.2	10.5	14.7	18.9
47.5°	28.3	23.7	19.2	14.8	10.5	6.2	2.0	6.2	10.5	14.8	19.2
50°	28.5	24.0	19.6	15.2	10.8	6.4	2.0	6.4	10.8	15.2	19.6
52.5°	29.3	24.5	19.8	15.2	10.7	6.4	2.0	6.4	10.7	15.2	19.8
55°	29.3	24.3	19.6	15.1	10.6	6.3	2.0	6.3	10.6	15.1	19.6
57.5°	29.1	24.1	19.5	15.2	11.0	7.0	3.0	7.0	11.0	15.2	19.5
60°	28.1	23.7	18.9	14.5	10.5	6.7	3.0	6.7	10.5	14.5	18.9
62.5°	26.5	22.0	17.7	13.7	10.0	6.4	3.0	6.4	10.0	13.7	17.7
65°	25.2	20.9	16.8	12.9	9.4	6.1	3.0	6.1	9.4	12.9	16.8
67.5°	24.3	19.7	15.6	11.9	8.6	5.7	3.0	5.7	8.6	11.9	15.6
70°	23.2	18.4	14.3	10.9	8.1	5.5	3.0	5.5	8.1	10.9	14.3
72.5°	22.0	17.5	13.6	9.8	7.0	4.8	3.0	4.8	7.0	9.8	13.6
75°	21.3	16.6	12.0	8.1	5.4	3.9	3.0	3.9	5.4	8.1	12.0
77.5°	18.5	15.0	10.1	5.5	1.9	0.4	0.0	0.4	1.9	5.5	10.1
80°	14.3	10.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
82.5°	10.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	6.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	7.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	14.3	10.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
102.5°	18.5	15.0	10.1	5.5	1.9	0.4	0.0	0.4	1.9	5.5	10.1
105°	21.3	16.6	12.0	8.1	5.4	3.9	3.0	3.9	5.4	8.1	12.0
107.5°	22.0	17.5	13.6	9.8	7.0	4.8	3.0	4.8	7.0	9.8	13.6
110°	23.2	18.4	14.3	10.9	8.1	5.5	3.0	5.5	8.1	10.9	14.3



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	24.3	19.7	15.6	11.9	8.6	5.7	3.0	5.7	8.6	11.9	15.6
115°	25.2	20.9	16.8	12.9	9.4	6.1	3.0	6.1	9.4	12.9	16.8
117.5°	26.5	22.0	17.7	13.7	10.0	6.4	3.0	6.4	10.0	13.7	17.7
120°	28.1	23.7	18.9	14.5	10.5	6.7	3.0	6.7	10.5	14.5	18.9
122.5°	29.1	24.1	19.5	15.2	11.0	7.0	3.0	7.0	11.0	15.2	19.5
125°	29.3	24.3	19.6	15.1	10.6	6.3	2.0	6.3	10.6	15.1	19.6
127.5°	29.3	24.5	19.8	15.2	10.7	6.4	2.0	6.4	10.7	15.2	19.8
130°	28.5	24.0	19.6	15.2	10.8	6.4	2.0	6.4	10.8	15.2	19.6
132.5°	28.3	23.7	19.2	14.8	10.5	6.2	2.0	6.2	10.5	14.8	19.2
135°	27.5	23.2	18.9	14.7	10.5	6.2	2.0	6.2	10.5	14.7	18.9
137.5°	26.6	22.4	18.3	14.2	10.1	6.1	2.0	6.1	10.2	14.2	18.3
140°	25.2	21.4	17.6	13.7	9.8	5.9	2.0	5.9	9.8	13.7	17.6
142.5°	24.1	20.4	16.7	13.0	9.3	5.7	2.0	5.7	9.3	13.0	16.7
145°	22.8	19.4	15.9	12.5	9.0	5.5	2.0	5.5	9.0	12.5	15.9
147.5°	21.1	18.1	14.9	11.7	8.5	5.3	2.0	5.3	8.5	11.7	14.9
150°	19.3	16.4	13.6	10.7	7.9	4.9	2.0	4.9	7.9	10.7	13.6
152.5°	17.5	14.8	12.1	9.3	6.5	3.8	1.0	3.8	6.5	9.3	12.1
155°	16.2	13.7	11.1	8.6	6.1	3.5	1.0	3.5	6.1	8.6	11.1
157.5°	15.1	12.8	10.4	8.0	5.7	3.3	1.0	3.3	5.7	8.0	10.4
160°	14.1	11.9	9.7	7.6	5.4	3.2	1.0	3.2	5.4	7.6	9.7
162.5°	13.1	11.0	9.0	7.0	5.0	3.0	1.0	3.0	5.0	7.0	9.0
165°	12.0	10.2	8.4	6.5	4.7	2.8	1.0	2.8	4.7	6.5	8.4
167.5°	10.6	9.0	7.4	5.8	4.2	2.6	1.0	2.6	4.2	5.8	7.4
170°	9.1	7.7	6.4	5.0	3.7	2.4	1.0	2.4	3.7	5.0	6.4
172.5°	7.3	6.2	5.2	4.2	3.1	2.1	1.0	2.1	3.1	4.2	5.2
175°	5.3	4.6	3.9	3.2	2.4	1.7	1.0	1.7	2.4	3.2	3.9
177.5°	4.2	3.8	3.5	3.1	2.7	2.4	2.0	2.4	2.7	3.1	3.5
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.8	4.2	4.6	4.9	5.3	5.6	5.9	6.3	6.6	6.9	7.3
5°	4.6	5.3	6.1	6.8	7.5	8.2	8.9	9.6	10.2	10.9	11.6
7.5°	6.2	7.3	8.3	9.3	10.3	11.3	12.2	13.2	14.1	15.0	15.9
10°	7.7	9.1	10.4	11.7	13.0	14.3	15.6	16.8	18.1	19.3	20.5
12.5°	9.0	10.6	12.2	13.8	15.3	16.9	18.5	20.0	21.6	23.1	24.6
15°	10.2	12.0	13.9	15.7	17.5	19.3	21.1	22.9	24.6	26.4	28.2
17.5°	11.0	13.1	15.1	17.2	19.3	21.4	23.5	25.7	27.7	29.7	31.6
20°	11.9	14.1	16.3	18.5	20.7	22.9	25.1	27.4	29.8	32.2	34.6
22.5°	12.8	15.1	17.5	19.9	22.3	24.7	27.1	29.5	31.9	34.3	36.7
25°	13.7	16.2	18.7	21.2	23.8	26.3	28.9	31.5	34.1	36.7	39.4
27.5°	14.8	17.5	20.2	22.9	25.5	28.1	30.8	33.5	36.2	38.9	41.8
30°	16.4	19.3	22.1	24.8	27.6	30.4	33.2	35.9	38.6	41.4	44.3
32.5°	18.1	21.1	24.2	27.1	30.0	32.9	35.8	38.6	41.5	44.3	47.1
35°	19.4	22.8	26.2	29.5	32.7	35.7	38.6	41.5	44.5	47.5	51.2
37.5°	20.4	24.1	27.8	31.4	35.0	38.4	41.8	44.9	47.8	51.7	56.3
40°	21.4	25.2	29.0	32.8	36.7	40.6	44.4	48.1	52.2	56.3	60.7
42.5°	22.4	26.6	30.7	34.7	38.5	42.4	46.4	50.7	55.2	59.7	64.7
45°	23.2	27.5	31.8	36.1	40.5	44.7	48.3	52.4	57.0	62.0	67.3
47.5°	23.7	28.3	32.9	37.4	41.9	45.6	49.6	53.9	58.4	63.4	69.1
50°	24.0	28.5	33.3	38.2	42.2	45.9	50.0	54.5	59.3	64.6	70.3
52.5°	24.5	29.3	34.0	37.9	41.6	45.7	49.9	54.6	59.6	65.1	71.1
55°	24.3	29.3	34.0	37.7	41.4	45.3	49.6	54.2	59.4	65.2	71.5
57.5°	24.1	29.1	32.9	36.7	40.8	45.0	49.3	54.0	59.0	65.0	71.6
60°	23.7	28.1	31.9	35.9	39.9	44.3	49.0	53.9	59.0	64.4	72.7
62.5°	22.0	26.5	30.9	35.1	39.4	43.8	48.4	53.6	59.6	66.7	74.6
65°	20.9	25.2	29.6	34.4	39.0	43.5	48.2	54.1	61.1	68.6	76.9
67.5°	19.7	24.3	29.0	33.8	38.6	43.6	49.2	55.2	62.3	70.3	78.9
70°	18.4	23.2	28.3	33.6	38.6	44.1	50.0	56.3	63.3	71.9	80.9
72.5°	17.5	22.0	27.3	32.7	38.4	44.3	50.8	57.5	64.7	73.3	83.0
75°	16.6	21.3	25.5	31.0	37.5	44.2	51.3	58.8	66.2	74.7	85.2
77.5°	15.0	18.5	22.9	28.9	36.1	44.0	51.8	60.0	67.8	76.1	85.8
80°	10.7	14.3	19.6	26.4	34.5	43.4	51.7	60.0	68.3	76.9	86.3
82.5°	5.7	10.0	15.9	24.0	32.9	42.0	50.9	59.7	68.7	78.1	87.3
85°	1.9	7.2	14.1	22.7	32.0	41.2	50.6	59.8	69.3	79.9	89.0
87.5°	0.5	6.2	13.5	22.3	32.0	41.1	51.0	60.6	70.3	82.2	91.2
90°	0.0	6.0	14.0	23.0	33.0	42.0	52.0	62.0	72.0	85.0	94.0
92.5°	0.5	6.2	13.5	22.3	32.0	41.1	51.0	60.6	70.3	82.2	91.2
95°	1.9	7.2	14.1	22.7	32.0	41.2	50.6	59.8	69.3	79.9	89.0
97.5°	5.7	10.0	15.9	24.0	32.9	42.0	50.9	59.7	68.7	78.1	87.3
100°	10.7	14.3	19.6	26.4	34.5	43.4	51.7	60.0	68.3	76.9	86.3
102.5°	15.0	18.5	22.9	28.9	36.1	44.0	51.8	60.0	67.8	76.1	85.8
105°	16.6	21.3	25.5	31.0	37.5	44.2	51.3	58.8	66.2	74.7	85.2
107.5°	17.5	22.0	27.3	32.7	38.4	44.3	50.8	57.5	64.7	73.3	83.0
110°	18.4	23.2	28.3	33.6	38.6	44.1	50.0	56.3	63.3	71.9	80.9



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	19.7	24.3	29.0	33.8	38.6	43.6	49.2	55.2	62.3	70.3	78.9
115°	20.9	25.2	29.6	34.4	39.0	43.5	48.2	54.1	61.1	68.6	76.9
117.5°	22.0	26.5	30.9	35.1	39.4	43.8	48.4	53.6	59.6	66.7	74.6
120°	23.7	28.1	31.9	35.9	39.9	44.3	49.0	53.9	59.0	64.4	72.7
122.5°	24.1	29.1	32.9	36.7	40.8	45.0	49.3	54.0	59.0	65.0	71.6
125°	24.3	29.3	34.0	37.7	41.4	45.3	49.6	54.2	59.4	65.2	71.5
127.5°	24.5	29.3	34.0	37.9	41.6	45.7	49.9	54.6	59.6	65.1	71.1
130°	24.0	28.5	33.3	38.2	42.2	45.9	50.0	54.5	59.3	64.6	70.3
132.5°	23.7	28.3	32.9	37.4	41.9	45.6	49.6	53.9	58.4	63.4	69.1
135°	23.2	27.5	31.8	36.1	40.5	44.7	48.3	52.4	57.0	62.0	67.3
137.5°	22.4	26.6	30.7	34.7	38.5	42.4	46.4	50.7	55.2	59.7	64.7
140°	21.4	25.2	29.0	32.8	36.7	40.6	44.4	48.1	52.2	56.3	60.7
142.5°	20.4	24.1	27.8	31.4	35.0	38.4	41.8	44.9	47.8	51.7	56.3
145°	19.4	22.8	26.2	29.5	32.7	35.7	38.6	41.5	44.5	47.5	51.2
147.5°	18.1	21.1	24.2	27.1	30.0	32.9	35.8	38.6	41.5	44.3	47.1
150°	16.4	19.3	22.1	24.8	27.6	30.4	33.2	35.9	38.6	41.4	44.3
152.5°	14.8	17.5	20.2	22.9	25.5	28.1	30.8	33.5	36.2	38.9	41.8
155°	13.7	16.2	18.7	21.2	23.8	26.3	28.9	31.5	34.1	36.7	39.4
157.5°	12.8	15.1	17.5	19.9	22.3	24.7	27.1	29.5	31.9	34.3	36.7
160°	11.9	14.1	16.3	18.5	20.7	22.9	25.1	27.4	29.8	32.2	34.6
162.5°	11.0	13.1	15.1	17.2	19.3	21.4	23.5	25.7	27.7	29.7	31.6
165°	10.2	12.0	13.9	15.7	17.5	19.3	21.1	22.9	24.6	26.4	28.2
167.5°	9.0	10.6	12.2	13.8	15.3	16.9	18.5	20.0	21.6	23.1	24.6
170°	7.7	9.1	10.4	11.7	13.0	14.3	15.6	16.8	18.1	19.3	20.5
172.5°	6.2	7.3	8.3	9.3	10.3	11.3	12.2	13.2	14.1	15.0	15.9
175°	4.6	5.3	6.1	6.8	7.5	8.2	8.9	9.6	10.2	10.9	11.6
177.5°	3.8	4.2	4.6	4.9	5.3	5.6	5.9	6.3	6.6	6.9	7.3
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	7.6	7.9	8.2	8.4	8.7	9.0	9.2	9.5	9.7	9.9	10.1
5°	12.2	12.8	13.4	14.0	14.6	15.1	15.6	16.2	16.6	17.1	17.6
7.5°	16.8	17.6	18.4	19.2	20.1	20.9	21.7	22.4	23.2	23.9	24.6
10°	21.6	22.8	23.9	24.9	25.9	26.9	27.8	28.7	29.6	30.5	31.4
12.5°	26.1	27.5	28.9	30.3	31.6	32.9	34.1	35.2	36.3	37.3	38.3
15°	30.0	31.7	33.5	35.3	36.8	38.4	39.9	41.4	42.8	44.1	45.3
17.5°	33.6	35.5	37.5	39.5	41.5	43.5	45.5	47.2	48.9	50.6	52.1
20°	37.1	39.4	41.5	43.7	45.8	48.1	50.4	52.6	54.8	56.7	58.6
22.5°	39.4	42.2	45.0	47.8	50.2	52.6	55.0	57.5	60.1	62.6	64.9
25°	42.0	44.7	47.4	50.6	53.8	57.0	59.7	62.3	65.0	67.9	72.5
27.5°	44.7	47.6	50.5	53.4	56.5	60.2	65.8	71.2	76.4	81.6	87.3
30°	47.2	50.3	53.5	58.0	63.3	68.9	75.3	82.1	88.6	94.7	101.0
32.5°	50.0	54.5	59.7	65.3	71.2	77.4	83.9	91.2	99.1	106.7	114.0
35°	55.7	60.5	66.0	71.8	78.1	84.8	92.0	99.5	108.1	117.4	126.1
37.5°	61.2	66.3	71.7	77.7	84.3	91.5	99.1	107.5	116.3	126.6	137.3
40°	65.6	71.2	77.1	83.1	89.9	97.5	105.7	114.5	124.3	134.8	146.9
42.5°	69.6	75.0	81.5	88.2	95.1	102.9	111.7	121.2	131.4	142.9	155.7
45°	72.9	78.7	84.9	92.4	100.1	108.0	117.2	127.3	138.3	150.4	163.7
47.5°	75.1	81.6	88.3	95.6	104.2	113.1	122.0	133.0	144.8	157.2	171.8
50°	76.7	83.5	91.0	98.8	107.4	117.4	127.3	138.1	149.9	162.2	175.6
52.5°	77.8	85.0	92.9	101.5	110.5	121.6	132.4	142.1	153.8	166.1	179.3
55°	78.5	86.2	94.6	105.2	116.3	127.4	138.1	147.8	158.2	170.3	183.6
57.5°	79.0	88.5	98.8	109.7	121.9	133.8	144.8	154.3	163.1	175.1	188.4
60°	81.8	91.6	102.4	114.0	126.8	140.1	152.5	161.5	169.8	180.6	193.5
62.5°	84.3	94.6	105.8	118.1	131.4	146.2	159.8	169.5	177.2	186.4	198.9
65°	86.6	97.4	109.0	121.9	136.0	151.6	166.7	178.3	185.3	192.7	204.6
67.5°	88.9	100.1	112.4	125.8	140.5	156.7	173.7	187.9	193.9	200.0	211.1
70°	91.2	102.9	115.8	129.7	144.9	161.8	180.7	196.7	203.2	207.9	216.3
72.5°	93.5	105.6	119.1	133.7	149.3	165.5	182.6	197.0	204.0	208.5	216.4
75°	95.9	107.6	119.9	133.4	148.4	164.9	181.0	194.9	203.6	209.0	216.7
77.5°	96.0	106.8	118.7	132.1	147.6	164.7	180.7	193.4	203.0	209.2	217.3
80°	96.5	106.9	118.1	131.2	147.2	165.1	181.4	192.6	202.3	209.4	218.2
82.5°	97.6	107.8	118.2	130.9	147.0	165.9	182.9	192.3	201.6	209.6	219.3
85°	99.2	109.3	118.9	131.0	147.4	167.4	185.1	192.5	200.9	209.9	220.6
87.5°	101.3	111.4	120.2	131.7	148.4	169.4	187.9	193.1	200.3	210.3	222.2
90°	104.0	114.0	122.0	133.0	150.0	172.0	190.9	193.9	199.9	210.9	223.9
92.5°	101.3	111.4	120.2	131.7	148.4	169.4	187.9	193.1	200.3	210.3	222.2
95°	99.2	109.3	118.9	131.0	147.4	167.4	185.1	192.5	200.9	209.9	220.6
97.5°	97.6	107.8	118.2	130.9	147.0	165.9	182.9	192.3	201.6	209.6	219.3
100°	96.5	106.9	118.1	131.2	147.2	165.1	181.4	192.6	202.3	209.4	218.2
102.5°	96.0	106.8	118.7	132.1	147.6	164.7	180.7	193.4	203.0	209.2	217.3
105°	95.9	107.6	119.9	133.4	148.4	164.9	181.0	194.9	203.6	209.0	216.7
107.5°	93.5	105.6	119.1	133.7	149.3	165.5	182.6	197.0	204.0	208.5	216.4
110°	91.2	102.9	115.8	129.7	144.9	161.8	180.7	196.7	203.2	207.9	216.3



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	88.9	100.1	112.4	125.8	140.5	156.7	173.7	187.9	193.9	200.0	211.1
115°	86.6	97.4	109.0	121.9	136.0	151.6	166.7	178.3	185.3	192.7	204.6
117.5°	84.3	94.6	105.8	118.1	131.4	146.2	159.8	169.5	177.2	186.4	198.9
120°	81.8	91.6	102.4	114.0	126.8	140.1	152.5	161.5	169.8	180.6	193.5
122.5°	79.0	88.5	98.8	109.7	121.9	133.8	144.8	154.3	163.1	175.1	188.4
125°	78.5	86.2	94.6	105.2	116.3	127.4	138.1	147.8	158.2	170.3	183.6
127.5°	77.8	85.0	92.9	101.5	110.5	121.6	132.4	142.1	153.8	166.1	179.3
130°	76.7	83.5	91.0	98.8	107.4	117.4	127.3	138.1	149.9	162.2	175.6
132.5°	75.1	81.6	88.3	95.6	104.2	113.1	122.0	133.0	144.8	157.2	171.8
135°	72.9	78.7	84.9	92.4	100.1	108.0	117.2	127.3	138.3	150.4	163.7
137.5°	69.6	75.0	81.5	88.2	95.1	102.9	111.7	121.2	131.4	142.9	155.7
140°	65.6	71.2	77.1	83.1	89.9	97.5	105.7	114.5	124.3	134.8	146.9
142.5°	61.2	66.3	71.7	77.7	84.3	91.5	99.1	107.5	116.3	126.6	137.3
145°	55.7	60.5	66.0	71.8	78.1	84.8	92.0	99.5	108.1	117.4	126.1
147.5°	50.0	54.5	59.7	65.3	71.2	77.4	83.9	91.2	99.1	106.7	114.0
150°	47.2	50.3	53.5	58.0	63.3	68.9	75.3	82.1	88.6	94.7	101.0
152.5°	44.7	47.6	50.5	53.4	56.5	60.2	65.8	71.2	76.4	81.6	87.3
155°	42.0	44.7	47.4	50.6	53.8	57.0	59.7	62.3	65.0	67.9	72.5
157.5°	39.4	42.2	45.0	47.8	50.2	52.6	55.0	57.5	60.1	62.6	64.9
160°	37.1	39.4	41.5	43.7	45.8	48.1	50.4	52.6	54.8	56.7	58.6
162.5°	33.6	35.5	37.5	39.5	41.5	43.5	45.5	47.2	48.9	50.6	52.1
165°	30.0	31.7	33.5	35.3	36.8	38.4	39.9	41.4	42.8	44.1	45.3
167.5°	26.1	27.5	28.9	30.3	31.6	32.9	34.1	35.2	36.3	37.3	38.3
170°	21.6	22.8	23.9	24.9	25.9	26.9	27.8	28.7	29.6	30.5	31.4
172.5°	16.8	17.6	18.4	19.2	20.1	20.9	21.7	22.4	23.2	23.9	24.6
175°	12.2	12.8	13.4	14.0	14.6	15.1	15.6	16.2	16.6	17.1	17.6
177.5°	7.6	7.9	8.2	8.4	8.7	9.0	9.2	9.5	9.7	9.9	10.1
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	10.3	10.5	10.6	10.8	10.9	11.0	11.1	11.2	11.3	11.3	12.5
5°	18.0	18.4	18.8	19.1	19.5	19.8	20.0	20.3	20.5	20.7	23.0
7.5°	25.2	25.8	26.4	27.1	27.7	28.2	28.7	29.2	29.6	30.0	33.4
10°	32.3	33.1	33.9	34.6	35.5	36.4	37.2	38.0	38.7	39.3	43.8
12.5°	39.3	40.3	41.3	42.2	43.1	44.2	45.4	46.6	47.7	48.7	54.2
15°	46.4	47.5	48.6	49.8	50.9	51.9	53.4	55.0	56.6	58.0	64.6
17.5°	53.5	54.7	55.9	57.2	58.6	59.8	61.3	63.4	65.4	67.3	74.9
20°	60.5	61.9	63.3	64.7	66.2	67.6	69.0	71.6	74.2	76.7	85.2
22.5°	67.0	69.1	70.7	72.2	73.7	75.4	77.0	79.6	82.9	86.0	95.5
25°	76.9	81.0	84.9	88.5	91.9	95.4	98.7	102.5	107.4	111.9	122.5
27.5°	92.9	98.0	102.8	107.6	112.2	116.7	121.1	125.6	131.9	137.8	149.7
30°	107.7	114.2	120.1	125.8	131.7	137.4	143.1	148.4	156.2	163.6	176.9
32.5°	121.5	129.3	136.6	143.4	150.4	157.6	164.6	171.4	180.4	189.5	204.1
35°	134.6	143.6	152.6	160.5	168.5	177.3	185.8	194.1	204.5	215.4	231.4
37.5°	147.0	157.0	167.5	177.1	186.4	196.5	206.7	216.5	228.4	241.3	258.6
40°	158.6	169.9	181.7	193.2	203.5	215.1	227.2	238.8	252.2	267.1	285.9
42.5°	169.5	182.2	195.4	209.3	220.6	233.3	247.9	260.8	275.9	293.0	313.2
45°	179.1	194.0	208.5	223.6	237.3	251.1	267.3	282.6	299.5	318.9	340.5
47.5°	187.5	202.6	216.2	230.3	243.9	257.3	274.6	291.8	310.6	332.2	356.1
50°	189.9	204.9	218.5	232.2	246.3	261.0	280.3	300.1	321.4	345.6	371.5
52.5°	193.5	207.8	221.3	234.6	248.6	264.8	285.7	308.2	332.1	358.9	387.0
55°	197.8	211.6	224.7	237.3	251.0	268.5	291.0	316.1	342.7	372.2	402.6
57.5°	202.5	216.2	228.6	240.6	253.9	272.0	296.0	323.8	353.3	385.6	418.1
60°	207.6	221.6	233.5	244.4	257.1	275.4	300.8	331.4	363.9	398.9	433.7
62.5°	213.2	227.5	238.1	248.7	260.6	278.7	305.6	338.8	374.4	412.2	449.3
65°	219.1	233.4	243.8	253.4	264.4	281.9	310.2	346.2	384.9	425.6	464.8
67.5°	225.3	239.6	250.0	258.4	268.5	285.2	314.8	353.5	395.4	438.9	480.4
70°	228.6	241.4	250.6	257.5	267.1	282.9	311.7	350.4	393.4	438.0	484.0
72.5°	227.5	239.1	247.9	254.2	264.3	280.2	308.3	347.0	391.5	437.1	487.6
75°	227.0	237.2	245.5	250.9	261.5	277.7	305.1	343.8	389.6	436.2	493.2
77.5°	227.1	235.8	243.2	247.7	258.7	275.5	302.1	340.8	387.7	435.3	496.3
80°	227.7	234.7	241.2	244.5	255.9	273.5	299.4	337.9	386.0	434.5	499.4
82.5°	228.7	234.0	239.3	241.4	253.2	271.8	296.9	335.1	384.3	433.6	502.6
85°	229.9	233.5	237.4	238.5	250.6	270.3	294.7	332.5	382.8	432.7	505.7
87.5°	231.4	233.2	235.6	235.6	248.2	269.0	292.7	330.1	381.3	431.8	508.8
90°	232.9	232.9	233.9	232.9	245.9	267.9	290.9	327.9	379.9	430.9	511.9
92.5°	231.4	233.2	235.6	235.6	248.2	269.0	292.7	330.1	381.3	431.8	508.8
95°	229.9	233.5	237.4	238.5	250.6	270.3	294.7	332.5	382.8	432.7	505.7
97.5°	228.7	234.0	239.3	241.4	253.2	271.8	296.9	335.1	384.3	433.6	502.6
100°	227.7	234.7	241.2	244.5	255.9	273.5	299.4	337.9	386.0	434.5	499.4
102.5°	227.1	235.8	243.2	247.7	258.7	275.5	302.1	340.8	387.7	435.3	496.3
105°	227.0	237.2	245.5	250.9	261.5	277.7	305.1	343.8	389.6	436.2	493.2
107.5°	227.5	239.1	247.9	254.2	264.3	280.2	308.3	347.0	391.5	437.1	487.6
110°	228.6	241.4	250.6	257.5	267.1	282.9	311.7	350.4	393.4	438.0	484.0



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	225.3	239.6	250.0	258.4	268.5	285.2	314.8	353.5	395.4	438.9	480.4
115°	219.1	233.4	243.8	253.4	264.4	281.9	310.2	346.2	384.9	425.6	464.8
117.5°	213.2	227.5	238.1	248.7	260.6	278.7	305.6	338.8	374.4	412.2	449.3
120°	207.6	221.6	233.5	244.4	257.1	275.4	300.8	331.4	363.9	398.9	433.7
122.5°	202.5	216.2	228.6	240.6	253.9	272.0	296.0	323.8	353.3	385.6	418.1
125°	197.8	211.6	224.7	237.3	251.0	268.5	291.0	316.1	342.7	372.2	402.6
127.5°	193.5	207.8	221.3	234.6	248.6	264.8	285.7	308.2	332.1	358.9	387.0
130°	189.9	204.9	218.5	232.2	246.3	261.0	280.3	300.1	321.4	345.6	371.5
132.5°	187.5	202.6	216.2	230.3	243.9	257.3	274.6	291.8	310.6	332.2	356.1
135°	179.1	194.0	208.5	223.6	237.3	251.1	267.3	282.6	299.5	318.9	340.5
137.5°	169.5	182.2	195.4	209.3	220.6	233.3	247.9	260.8	275.9	293.0	313.2
140°	158.6	169.9	181.7	193.2	203.5	215.1	227.2	238.8	252.2	267.1	285.9
142.5°	147.0	157.0	167.5	177.1	186.4	196.5	206.7	216.5	228.4	241.3	258.6
145°	134.6	143.6	152.6	160.5	168.5	177.3	185.8	194.1	204.5	215.4	231.4
147.5°	121.5	129.3	136.6	143.4	150.4	157.6	164.6	171.4	180.4	189.5	204.1
150°	107.7	114.2	120.1	125.8	131.7	137.4	143.1	148.4	156.2	163.6	176.9
152.5°	92.9	98.0	102.8	107.6	112.2	116.7	121.1	125.6	131.9	137.8	149.7
155°	76.9	81.0	84.9	88.5	91.9	95.4	98.7	102.5	107.4	111.9	122.5
157.5°	67.0	69.1	70.7	72.2	73.7	75.4	77.0	79.6	82.9	86.0	95.5
160°	60.5	61.9	63.3	64.7	66.2	67.6	69.0	71.6	74.2	76.7	85.2
162.5°	53.5	54.7	55.9	57.2	58.6	59.8	61.3	63.4	65.4	67.3	74.9
165°	46.4	47.5	48.6	49.8	50.9	51.9	53.4	55.0	56.6	58.0	64.6
167.5°	39.3	40.3	41.3	42.2	43.1	44.2	45.4	46.6	47.7	48.7	54.2
170°	32.3	33.1	33.9	34.6	35.5	36.4	37.2	38.0	38.7	39.3	43.8
172.5°	25.2	25.8	26.4	27.1	27.7	28.2	28.7	29.2	29.6	30.0	33.4
175°	18.0	18.4	18.8	19.1	19.5	19.8	20.0	20.3	20.5	20.7	23.0
177.5°	10.3	10.5	10.6	10.8	10.9	11.0	11.1	11.2	11.3	11.3	12.5
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	13.6	14.7	15.8	16.9	17.9	19.0	19.9	20.9	21.8	22.7	23.5
5°	25.2	27.4	29.6	31.7	33.8	35.8	37.7	39.6	41.4	43.1	44.8
7.5°	36.8	40.0	43.3	46.4	49.5	52.4	55.5	59.0	62.5	65.8	69.0
10°	48.3	52.6	56.8	61.0	65.2	70.2	75.1	79.8	84.4	88.8	93.3
12.5°	59.7	65.1	70.3	75.9	82.3	88.5	94.6	100.4	106.0	111.2	116.1
15°	71.1	77.4	83.9	91.6	99.2	106.7	113.9	120.7	127.3	133.7	140.5
17.5°	82.4	89.7	98.2	107.2	116.1	124.7	133.1	141.3	149.1	156.0	162.2
20°	93.6	102.1	112.5	122.7	132.8	142.9	152.7	162.1	170.2	177.9	185.2
22.5°	104.8	115.0	126.7	138.1	149.8	161.3	172.5	182.2	191.5	199.9	206.4
25°	132.7	143.9	155.5	166.8	178.0	188.7	198.0	206.8	214.3	219.8	226.9
27.5°	161.1	173.8	186.3	198.3	209.9	220.4	229.6	238.1	244.1	249.7	250.7
30°	189.6	203.5	217.0	229.1	241.7	250.7	260.0	266.8	273.0	275.0	275.1
32.5°	218.3	233.0	246.7	259.1	270.3	279.9	288.2	294.8	298.6	299.4	299.8
35°	246.9	262.3	276.1	288.5	298.8	308.8	315.3	321.4	322.8	323.8	324.5
37.5°	275.4	291.4	304.9	317.1	326.4	334.8	341.8	345.5	347.4	348.4	349.6
40°	303.7	320.3	333.2	344.3	353.1	360.8	367.2	369.5	371.4	372.8	375.7
42.5°	331.9	348.9	360.9	370.9	379.0	386.2	391.0	393.6	395.6	397.9	400.9
45°	359.9	376.6	388.2	396.8	404.1	411.0	414.7	417.5	419.8	422.5	426.5
47.5°	378.4	398.4	414.3	425.6	435.4	442.9	445.1	444.1	443.9	446.6	451.6
50°	396.8	420.4	441.1	457.0	473.2	486.2	494.3	498.9	499.9	496.7	491.1
52.5°	415.5	443.3	468.9	489.9	513.6	532.5	547.0	557.8	564.8	563.4	559.5
55°	434.4	467.0	497.7	525.0	556.3	581.7	602.9	620.4	632.5	630.6	625.2
57.5°	453.6	491.3	527.5	562.1	601.0	633.4	661.7	686.6	699.3	696.9	688.6
60°	472.9	516.3	558.1	600.7	647.2	687.4	723.2	755.9	766.4	760.8	750.1
62.5°	492.4	541.8	589.5	640.7	695.0	743.2	787.0	828.1	833.9	822.7	807.9
65°	511.9	567.7	621.5	681.8	744.2	800.6	853.0	897.1	901.6	882.9	862.1
67.5°	531.6	593.9	654.0	723.8	794.6	859.5	920.7	963.8	964.0	940.9	913.2
70°	536.3	599.9	661.3	735.9	812.2	886.4	960.3	1009.5	1015.2	994.1	964.4
72.5°	540.3	603.8	664.4	739.8	816.2	893.3	971.4	1021.9	1035.7	1021.5	998.3
75°	544.0	607.3	666.8	742.7	819.3	899.6	981.9	1036.7	1060.5	1050.5	1031.1
77.5°	547.5	610.2	668.6	744.7	821.3	905.3	991.8	1053.2	1088.8	1080.8	1064.6
80°	552.4	612.8	669.9	745.8	822.5	910.3	1000.7	1070.8	1119.6	1112.4	1098.9
82.5°	554.8	616.4	672.5	746.0	822.7	914.3	1008.7	1088.9	1152.0	1145.1	1133.7
85°	557.1	617.2	671.6	746.8	823.8	919.9	1018.6	1110.1	1185.2	1178.4	1169.0
87.5°	559.5	618.0	670.7	744.3	820.8	919.8	1021.6	1124.9	1219.0	1212.3	1204.7
90°	561.8	618.8	669.8	741.8	817.8	919.7	1024.7	1139.7	1249.6	1246.6	1240.7
92.5°	559.5	618.0	670.7	744.3	820.8	919.8	1021.6	1124.9	1219.0	1212.3	1204.7
95°	557.1	617.2	671.6	746.8	823.8	919.9	1018.6	1110.1	1185.2	1178.4	1169.0
97.5°	554.8	616.4	672.5	746.0	822.7	914.3	1008.7	1088.9	1152.0	1145.1	1133.7
100°	552.4	612.8	669.9	745.8	822.5	910.3	1000.7	1070.8	1119.6	1112.4	1098.9
102.5°	547.5	610.2	668.6	744.7	821.3	905.3	991.8	1053.2	1088.8	1080.8	1064.6
105°	544.0	607.3	666.8	742.7	819.3	899.6	981.9	1036.7	1060.5	1050.5	1031.1
107.5°	540.3	603.8	664.4	739.8	816.2	893.3	971.4	1021.9	1035.7	1021.5	998.3
110°	536.3	599.9	661.3	735.9	812.2	886.4	960.3	1009.5	1015.2	994.1	964.4



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	531.6	593.9	654.0	723.8	794.6	859.5	920.7	963.8	964.0	940.9	913.2
115°	511.9	567.7	621.5	681.8	744.2	800.6	853.0	897.1	901.6	882.9	862.1
117.5°	492.4	541.8	589.5	640.7	695.0	743.2	787.0	828.1	833.9	822.7	807.9
120°	472.9	516.3	558.1	600.7	647.2	687.4	723.2	755.9	766.4	760.8	750.1
122.5°	453.6	491.3	527.5	562.1	601.0	633.4	661.7	686.6	699.3	696.9	688.6
125°	434.4	467.0	497.7	525.0	556.3	581.7	602.9	620.4	632.5	630.6	625.2
127.5°	415.5	443.3	468.9	489.9	513.6	532.5	547.0	557.8	564.8	563.4	559.5
130°	396.8	420.4	441.1	457.0	473.2	486.2	494.3	498.9	499.9	496.7	491.1
132.5°	378.4	398.4	414.3	425.6	435.4	442.9	445.1	444.1	443.9	446.6	451.6
135°	359.9	376.6	388.2	396.8	404.1	411.0	414.7	417.5	419.8	422.5	426.5
137.5°	331.9	348.9	360.9	370.9	379.0	386.2	391.0	393.6	395.6	397.9	400.9
140°	303.7	320.3	333.2	344.3	353.1	360.8	367.2	369.5	371.4	372.8	375.7
142.5°	275.4	291.4	304.9	317.1	326.4	334.8	341.8	345.5	347.4	348.4	349.6
145°	246.9	262.3	276.1	288.5	298.8	308.8	315.3	321.4	322.8	323.8	324.5
147.5°	218.3	233.0	246.7	259.1	270.3	279.9	288.2	294.8	298.6	299.4	299.8
150°	189.6	203.5	217.0	229.1	241.7	250.7	260.0	266.8	273.0	275.0	275.1
152.5°	161.1	173.8	186.3	198.3	209.9	220.4	229.6	238.1	244.1	249.7	250.7
155°	132.7	143.9	155.5	166.8	178.0	188.7	198.0	206.8	214.3	219.8	226.9
157.5°	104.8	115.0	126.7	138.1	149.8	161.3	172.5	182.2	191.5	199.9	206.4
160°	93.6	102.1	112.5	122.7	132.8	142.9	152.7	162.1	170.2	177.9	185.2
162.5°	82.4	89.7	98.2	107.2	116.1	124.7	133.1	141.3	149.1	156.0	162.2
165°	71.1	77.4	83.9	91.6	99.2	106.7	113.9	120.7	127.3	133.7	140.5
167.5°	59.7	65.1	70.3	75.9	82.3	88.5	94.6	100.4	106.0	111.2	116.1
170°	48.3	52.6	56.8	61.0	65.2	70.2	75.1	79.8	84.4	88.8	93.3
172.5°	36.8	40.0	43.3	46.4	49.5	52.4	55.5	59.0	62.5	65.8	69.0
175°	25.2	27.4	29.6	31.7	33.8	35.8	37.7	39.6	41.4	43.1	44.8
177.5°	13.6	14.7	15.8	16.9	17.9	19.0	19.9	20.9	21.8	22.7	23.5
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	24.3	25.0	25.7	26.4	27.0	27.6	28.1	28.6	29.0	29.4	29.7
5°	46.8	48.7	50.6	52.3	54.0	55.5	56.9	58.2	59.4	60.4	61.4
7.5°	72.0	74.9	77.7	80.3	82.7	84.6	86.4	88.1	89.5	90.8	91.9
10°	96.7	100.2	103.5	106.6	109.5	112.1	114.5	116.5	118.0	119.3	120.4
12.5°	120.8	125.3	129.3	132.6	135.6	138.4	140.8	143.0	144.9	146.5	147.8
15°	144.7	149.4	153.7	157.7	161.4	164.4	167.1	169.5	171.7	173.6	175.5
17.5°	168.1	174.4	178.1	182.2	186.0	189.5	192.8	196.2	199.5	202.8	206.0
20°	191.0	196.3	201.3	205.6	209.2	212.9	216.8	220.8	225.0	229.4	233.7
22.5°	212.6	217.9	221.2	224.8	228.7	232.9	237.5	242.3	247.8	254.6	261.4
25°	230.9	233.6	237.2	240.5	244.7	249.4	256.6	264.3	272.1	280.6	290.0
27.5°	250.3	249.7	249.2	252.8	259.6	267.6	276.9	286.3	297.0	307.8	319.6
30°	275.0	274.6	274.5	276.9	279.1	285.2	296.6	308.3	322.2	336.1	351.0
32.5°	299.9	300.9	303.7	306.7	311.9	316.7	323.2	331.6	347.7	366.9	385.8
35°	325.8	328.9	332.8	338.4	344.6	352.7	360.4	372.1	382.9	403.6	432.9
37.5°	352.8	356.8	362.8	370.2	379.4	390.5	404.3	420.2	443.0	466.8	492.2
40°	379.2	385.4	393.1	403.2	416.8	432.8	455.6	481.7	511.3	543.1	574.7
42.5°	406.5	413.6	424.5	439.3	457.3	484.5	513.8	549.7	588.5	624.1	661.1
45°	432.5	443.5	457.8	477.8	506.9	539.4	579.3	619.7	663.5	708.1	756.7
47.5°	460.4	472.4	494.4	523.0	558.5	600.5	644.6	693.0	744.3	797.8	853.0
50°	490.3	507.1	533.0	571.2	613.9	660.0	712.6	768.3	829.2	887.1	948.4
52.5°	557.8	565.9	588.4	620.3	669.5	722.7	781.1	845.4	907.4	974.0	1044.3
55°	624.5	633.1	657.7	689.1	733.0	785.2	847.8	915.3	984.6	1057.2	1139.3
57.5°	686.0	697.2	719.9	752.8	800.2	856.5	917.8	983.7	1056.2	1138.7	1229.8
60°	744.4	754.8	777.3	814.5	863.8	921.3	984.4	1052.5	1128.3	1212.6	1318.2
62.5°	801.6	809.3	829.7	869.4	922.0	980.3	1044.3	1115.4	1199.1	1295.2	1402.6
65°	853.8	859.3	881.7	921.8	974.4	1031.6	1097.4	1177.0	1267.9	1370.2	1486.4
67.5°	901.4	904.2	928.2	970.3	1021.1	1078.3	1146.8	1231.7	1328.1	1438.5	1577.9
70°	947.0	945.7	969.6	1013.6	1061.3	1119.0	1194.1	1282.4	1381.7	1499.1	1658.9
72.5°	984.9	985.9	1009.3	1051.8	1096.1	1156.1	1234.8	1323.8	1425.4	1557.4	1717.2
75°	1019.1	1020.2	1041.1	1076.1	1119.3	1181.8	1266.5	1357.2	1457.9	1598.9	1773.0
77.5°	1052.6	1051.2	1068.1	1095.1	1135.0	1198.7	1284.1	1381.6	1495.1	1640.8	1819.2
80°	1085.6	1079.6	1091.2	1109.5	1146.0	1209.7	1298.1	1402.2	1525.3	1682.0	1864.9
82.5°	1118.2	1106.2	1111.2	1120.4	1153.1	1215.3	1308.1	1418.6	1546.8	1709.9	1903.5
85°	1150.8	1131.6	1129.0	1128.6	1157.1	1216.4	1313.8	1430.2	1559.7	1725.1	1932.5
87.5°	1183.2	1156.1	1145.3	1135.2	1159.2	1214.8	1317.5	1439.5	1568.1	1733.5	1957.5
90°	1216.7	1181.7	1161.7	1141.7	1158.7	1207.7	1311.6	1436.6	1561.6	1720.5	1953.4
92.5°	1183.2	1156.1	1145.3	1135.2	1159.2	1214.8	1317.5	1439.5	1568.1	1733.5	1957.5
95°	1150.8	1131.6	1129.0	1128.6	1157.1	1216.4	1313.8	1430.2	1559.7	1725.1	1932.5
97.5°	1118.2	1106.2	1111.2	1120.4	1153.1	1215.3	1308.1	1418.6	1546.8	1709.9	1903.5
100°	1085.6	1079.6	1091.2	1109.5	1146.0	1209.7	1298.1	1402.2	1525.3	1682.0	1864.9
102.5°	1052.6	1051.2	1068.1	1095.1	1135.0	1198.7	1284.1	1381.6	1495.1	1640.8	1819.2
105°	1019.1	1020.2	1041.1	1076.1	1119.3	1181.8	1266.5	1357.2	1457.9	1598.9	1773.0
107.5°	984.9	985.9	1009.3	1051.8	1096.1	1156.1	1234.8	1323.8	1425.4	1557.4	1717.2
110°	947.0	945.7	969.6	1013.6	1061.3	1119.0	1194.1	1282.4	1381.7	1499.1	1658.9



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	901.4	904.2	928.2	970.3	1021.1	1078.3	1146.8	1231.7	1328.1	1438.5	1577.9
115°	853.8	859.3	881.7	921.8	974.4	1031.6	1097.4	1177.0	1267.9	1370.2	1486.4
117.5°	801.6	809.3	829.7	869.4	922.0	980.3	1044.3	1115.4	1199.1	1295.2	1402.6
120°	744.4	754.8	777.3	814.5	863.8	921.3	984.4	1052.5	1128.3	1212.6	1318.2
122.5°	686.0	697.2	719.9	752.8	800.2	856.5	917.8	983.7	1056.2	1138.7	1229.8
125°	624.5	633.1	657.7	689.1	733.0	785.2	847.8	915.3	984.6	1057.2	1139.3
127.5°	557.8	565.9	588.4	620.3	669.5	722.7	781.1	845.4	907.4	974.0	1044.3
130°	490.3	507.1	533.0	571.2	613.9	660.0	712.6	768.3	829.2	887.1	948.4
132.5°	460.4	472.4	494.4	523.0	558.5	600.5	644.6	693.0	744.3	797.8	853.0
135°	432.5	443.5	457.8	477.8	506.9	539.4	579.3	619.7	663.5	708.1	756.7
137.5°	406.5	413.6	424.5	439.3	457.3	484.5	513.8	549.7	588.5	624.1	661.1
140°	379.2	385.4	393.1	403.2	416.8	432.8	455.6	481.7	511.3	543.1	574.7
142.5°	352.8	356.8	362.8	370.2	379.4	390.5	404.3	420.2	443.0	466.8	492.2
145°	325.8	328.9	332.8	338.4	344.6	352.7	360.4	372.1	382.9	403.6	432.9
147.5°	299.9	300.9	303.7	306.7	311.9	316.7	323.2	331.6	347.7	366.9	385.8
150°	275.0	274.6	274.5	276.9	279.1	285.2	296.6	308.3	322.2	336.1	351.0
152.5°	250.3	249.7	249.2	252.8	259.6	267.6	276.9	286.3	297.0	307.8	319.6
155°	230.9	233.6	237.2	240.5	244.7	249.4	256.6	264.3	272.1	280.6	290.0
157.5°	212.6	217.9	221.2	224.8	228.7	232.9	237.5	242.3	247.8	254.6	261.4
160°	191.0	196.3	201.3	205.6	209.2	212.9	216.8	220.8	225.0	229.4	233.7
162.5°	168.1	174.4	178.1	182.2	186.0	189.5	192.8	196.2	199.5	202.8	206.0
165°	144.7	149.4	153.7	157.7	161.4	164.4	167.1	169.5	171.7	173.6	175.5
167.5°	120.8	125.3	129.3	132.6	135.6	138.4	140.8	143.0	144.9	146.5	147.8
170°	96.7	100.2	103.5	106.6	109.5	112.1	114.5	116.5	118.0	119.3	120.4
172.5°	72.0	74.9	77.7	80.3	82.7	84.6	86.4	88.1	89.5	90.8	91.9
175°	46.8	48.7	50.6	52.3	54.0	55.5	56.9	58.2	59.4	60.4	61.4
177.5°	24.3	25.0	25.7	26.4	27.0	27.6	28.1	28.6	29.0	29.4	29.7
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: P232059

CATALOG NUMBER: FVS4WM-3-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	30.0	30.2	30.3	30.4	30.5	30.5	31.4	31.0	30.6	30.2	29.8
5°	62.2	62.9	63.4	63.9	64.2	64.4	64.4	64.3	65.1	64.4	63.6
7.5°	92.9	93.6	94.2	94.5	94.8	94.8	94.6	94.3	93.8	93.8	92.5
10°	121.2	121.8	122.2	122.4	122.3	122.0	121.5	120.8	119.8	119.5	117.7
12.5°	148.8	149.6	150.1	150.4	150.4	150.2	149.7	148.9	147.8	146.5	145.5
15°	177.8	179.9	181.8	183.5	185.0	186.2	187.2	187.8	188.0	187.9	188.3
17.5°	209.2	212.4	215.5	218.4	221.1	223.6	225.7	227.5	228.9	230.0	231.6
20°	238.1	242.8	247.9	252.8	257.3	261.5	265.3	268.6	271.5	273.8	276.9
22.5°	268.1	274.7	281.7	288.8	295.5	301.7	307.4	312.6	317.1	321.0	325.9
25°	299.3	308.4	317.4	327.0	336.1	344.7	352.8	360.1	366.7	372.4	377.3
27.5°	331.8	343.8	355.6	367.9	380.6	392.6	403.7	413.9	423.1	431.2	438.0
30°	366.6	383.0	399.0	414.5	432.0	447.9	462.2	474.8	485.8	495.1	502.7
32.5°	406.5	430.5	452.8	473.4	494.2	514.0	531.2	546.0	558.3	568.3	576.0
35°	460.5	490.5	519.5	545.6	569.2	590.7	609.0	624.2	636.4	645.7	652.3
37.5°	529.0	563.3	596.0	625.2	650.6	676.2	698.2	716.0	729.6	739.3	745.2
40°	606.7	643.6	683.2	719.7	751.4	779.6	804.7	824.8	840.2	850.8	856.8
42.5°	702.3	743.3	786.4	828.1	864.6	896.9	929.7	957.0	978.4	993.9	1003.5
45°	804.4	853.1	899.4	950.2	997.1	1044.1	1077.9	1110.5	1135.4	1152.8	1162.7
47.5°	907.8	966.5	1026.2	1088.2	1146.7	1196.9	1246.5	1293.4	1331.8	1361.1	1380.9
50°	1014.8	1083.3	1158.8	1234.0	1318.8	1387.5	1449.0	1505.2	1554.9	1596.6	1628.7
52.5°	1122.0	1203.9	1298.0	1395.4	1491.2	1576.6	1649.1	1718.9	1781.8	1836.4	1880.7
55°	1227.4	1330.7	1436.7	1543.6	1650.5	1755.9	1845.7	1919.8	1986.8	2047.4	2099.7
57.5°	1335.9	1449.0	1564.9	1692.0	1820.1	1912.6	2003.0	2083.3	2155.7	2222.0	2280.5
60°	1435.0	1560.2	1704.0	1832.7	1944.8	2043.8	2133.5	2218.8	2295.5	2364.3	2424.3
62.5°	1527.9	1685.7	1824.5	1949.7	2053.5	2153.5	2245.9	2336.3	2411.9	2483.5	2548.5
65°	1640.9	1789.8	1924.5	2036.3	2142.3	2244.4	2340.1	2427.7	2511.2	2587.3	2651.8
67.5°	1734.4	1881.7	1996.6	2105.7	2214.7	2323.3	2423.7	2519.0	2605.4	2675.1	2734.3
70°	1813.1	1952.3	2067.8	2168.6	2282.4	2392.0	2497.6	2595.5	2682.3	2760.0	2820.1
72.5°	1879.2	2019.7	2130.3	2238.9	2342.8	2449.5	2565.2	2667.4	2767.4	2842.7	2893.4
75°	1938.2	2070.6	2183.2	2291.2	2396.5	2512.8	2621.8	2725.0	2815.3	2903.3	2965.1
77.5°	1989.3	2115.4	2221.7	2328.4	2442.5	2560.2	2668.2	2759.4	2865.1	2958.4	3022.7
80°	2026.3	2144.4	2245.9	2354.7	2472.1	2600.0	2701.1	2803.7	2908.4	3001.4	3052.4
82.5°	2057.4	2169.3	2270.4	2377.5	2494.3	2614.5	2724.7	2832.8	2946.0	3032.0	3077.8
85°	2079.3	2185.0	2283.8	2395.3	2514.6	2630.6	2737.0	2845.7	2957.8	3048.5	3105.0
87.5°	2096.7	2191.5	2286.5	2401.8	2518.1	2633.4	2741.7	2856.4	2967.7	3057.7	3102.2
90°	2093.4	2189.4	2279.4	2396.3	2506.3	2620.3	2730.2	2845.2	2960.2	3044.1	3094.1
92.5°	2096.7	2191.5	2286.5	2401.8	2518.1	2633.4	2741.7	2856.4	2967.7	3057.7	3102.2
95°	2079.3	2185.0	2283.8	2395.3	2514.6	2630.6	2737.0	2845.7	2957.8	3048.5	3105.0
97.5°	2057.4	2169.3	2270.4	2377.5	2494.3	2614.5	2724.7	2832.8	2946.0	3032.0	3077.8
100°	2026.3	2144.4	2245.9	2354.7	2472.1	2600.0	2701.1	2803.7	2908.4	3001.4	3052.4
102.5°	1989.3	2115.4	2221.7	2328.4	2442.5	2560.2	2668.2	2759.4	2865.1	2958.4	3022.7
105°	1938.2	2070.6	2183.2	2291.2	2396.5	2512.8	2621.8	2725.0	2815.3	2903.3	2965.1
107.5°	1879.2	2019.7	2130.3	2238.9	2342.8	2449.5	2565.2	2667.4	2767.4	2842.7	2893.4
110°	1813.1	1952.3	2067.8	2168.6	2282.4	2392.0	2497.6	2595.5	2682.3	2760.0	2820.1



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-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°	1734.4	1881.7	1996.6	2105.7	2214.7	2323.3	2423.7	2519.0	2605.4	2675.1	2734.3
115°	1640.9	1789.8	1924.5	2036.3	2142.3	2244.4	2340.1	2427.7	2511.2	2587.3	2651.8
117.5°	1527.9	1685.7	1824.5	1949.7	2053.5	2153.5	2245.9	2336.3	2411.9	2483.5	2548.5
120°	1435.0	1560.2	1704.0	1832.7	1944.8	2043.8	2133.5	2218.8	2295.5	2364.3	2424.3
122.5°	1335.9	1449.0	1564.9	1692.0	1820.1	1912.6	2003.0	2083.3	2155.7	2222.0	2280.5
125°	1227.4	1330.7	1436.7	1543.6	1650.5	1755.9	1845.7	1919.8	1986.8	2047.4	2099.7
127.5°	1122.0	1203.9	1298.0	1395.4	1491.2	1576.6	1649.1	1718.9	1781.8	1836.4	1880.7
130°	1014.8	1083.3	1158.8	1234.0	1318.8	1387.5	1449.0	1505.2	1554.9	1596.6	1628.7
132.5°	907.8	966.5	1026.2	1088.2	1146.7	1196.9	1246.5	1293.4	1331.8	1361.1	1380.9
135°	804.4	853.1	899.4	950.2	997.1	1044.1	1077.9	1110.5	1135.4	1152.8	1162.7
137.5°	702.3	743.3	786.4	828.1	864.6	896.9	929.7	957.0	978.4	993.9	1003.5
140°	606.7	643.6	683.2	719.7	751.4	779.6	804.7	824.8	840.2	850.8	856.8
142.5°	529.0	563.3	596.0	625.2	650.6	676.2	698.2	716.0	729.6	739.3	745.2
145°	460.5	490.5	519.5	545.6	569.2	590.7	609.0	624.2	636.4	645.7	652.3
147.5°	406.5	430.5	452.8	473.4	494.2	514.0	531.2	546.0	558.3	568.3	576.0
150°	366.6	383.0	399.0	414.5	432.0	447.9	462.2	474.8	485.8	495.1	502.7
152.5°	331.8	343.8	355.6	367.9	380.6	392.6	403.7	413.9	423.1	431.2	438.0
155°	299.3	308.4	317.4	327.0	336.1	344.7	352.8	360.1	366.7	372.4	377.3
157.5°	268.1	274.7	281.7	288.8	295.5	301.7	307.4	312.6	317.1	321.0	325.9
160°	238.1	242.8	247.9	252.8	257.3	261.5	265.3	268.6	271.5	273.8	276.9
162.5°	209.2	212.4	215.5	218.4	221.1	223.6	225.7	227.5	229.0	230.0	231.6
165°	177.8	179.9	181.8	183.5	185.0	186.2	187.2	187.8	188.0	187.9	188.3
167.5°	148.8	149.6	150.1	150.4	150.4	150.2	149.7	148.9	147.8	146.5	145.5
170°	121.2	121.8	122.2	122.4	122.3	122.0	121.5	120.8	119.8	119.5	117.7
172.5°	92.9	93.6	94.2	94.5	94.8	94.8	94.6	94.3	93.8	93.8	92.5
175°	62.2	62.9	63.4	63.9	64.2	64.4	64.4	64.3	65.1	64.4	63.6
177.5°	30.0	30.2	30.3	30.4	30.5	30.5	31.4	31.0	30.6	30.2	29.8
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: P232059

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2.0	2.0
2.5°	29.4	29.0
5°	62.8	62.0
7.5°	91.3	90.0
10°	115.8	114.0
12.5°	143.2	141.0
15°	186.6	184.9
17.5°	230.8	229.9
20°	276.9	276.9
22.5°	326.9	327.9
25°	381.7	383.9
27.5°	444.4	447.9
30°	509.4	512.9
32.5°	582.5	584.8
35°	657.4	657.8
37.5°	749.2	746.8
40°	860.4	855.8
42.5°	1010.1	1004.7
45°	1168.7	1160.7
47.5°	1395.9	1389.6
50°	1656.6	1658.5
52.5°	1920.5	1931.5
55°	2148.5	2170.4
57.5°	2335.7	2366.3
60°	2480.1	2514.3
62.5°	2605.4	2652.3
65°	2705.1	2748.2
67.5°	2783.3	2823.2
70°	2865.3	2898.2
72.5°	2931.3	2958.2
75°	2995.2	3010.2
77.5°	3044.7	3056.1
80°	3076.5	3089.1
82.5°	3099.1	3117.1
85°	3112.8	3134.1
87.5°	3127.9	3145.1
90°	3111.1	3137.1
92.5°	3127.9	3145.1
95°	3112.8	3134.1
97.5°	3099.1	3117.1
100°	3076.5	3089.1
102.5°	3044.7	3056.1
105°	2995.2	3010.2
107.5°	2931.3	2958.2
110°	2865.3	2898.2



TEST NUMBER: P232059

CATALOG NUMBER: FVS4WM-3-LD4-50-2STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2783.3	2823.2
115°	2705.1	2748.2
117.5°	2605.4	2652.3
120°	2480.1	2514.3
122.5°	2335.7	2366.3
125°	2148.5	2170.4
127.5°	1920.5	1931.5
130°	1656.6	1658.5
132.5°	1395.9	1389.6
135°	1168.7	1160.7
137.5°	1010.1	1004.7
140°	860.4	855.8
142.5°	749.2	746.8
145°	657.4	657.8
147.5°	582.5	584.8
150°	509.4	512.9
152.5°	444.4	447.9
155°	381.7	383.9
157.5°	326.9	327.9
160°	276.9	276.9
162.5°	230.8	229.9
165°	186.6	184.9
167.5°	143.2	141.0
170°	115.8	114.0
172.5°	91.3	90.0
175°	62.8	62.0
177.5°	29.4	29.0
180°	2.0	2.0

(END OF REPORT)