

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: P232014

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-20)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-40-2HI-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

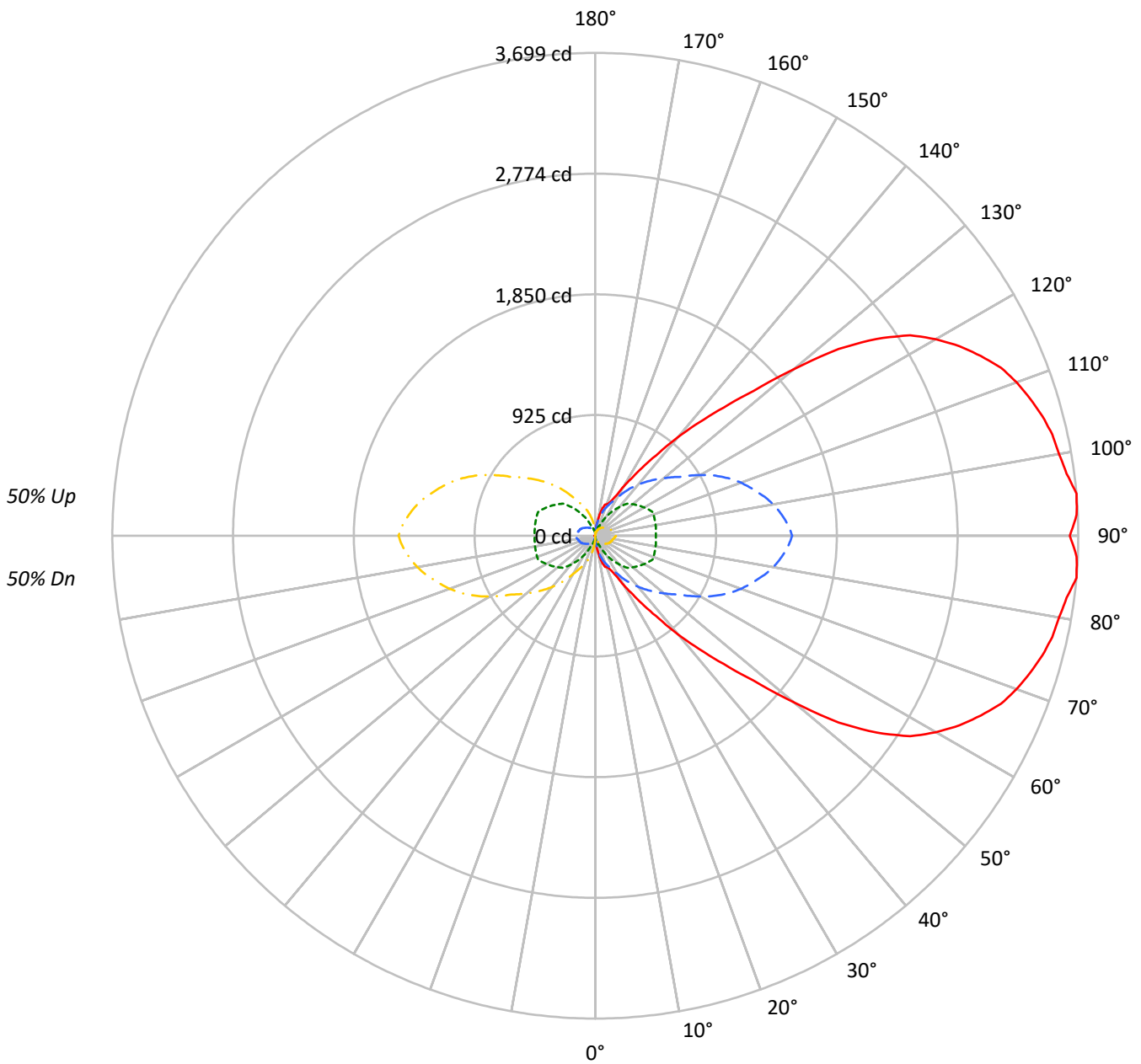
Lumens per Lamp: N/A
Luminaire Lumens: 8420.2 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 21.32 / 13.4 / 14.45
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	84	77	71	83	76	70	65	63	58	54	50	47	43	39	36	34	28
2	80	69	60	53	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	59	49	41	64	53	44	37	43	36	30	33	28	23	25	20	17	12
4	64	50	40	33	58	46	37	30	37	30	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	12	8	5
7	49	35	25	19	44	32	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	45	45	45	45
5°	796	303	27	303
10°	1604	564	24	564
15°	2405	833	22	833
20°	2547	1117	20	1117
25°	2792	1765	19	1765
30°	3893	2820	18	2820
35°	5612	3989	17	3989
40°	8125	5318	16	5318
45°	11145	6864	24	6864
50°	15673	8051	24	8051
55°	20538	9539	23	9539
60°	23459	11455	23	11455
65°	25518	14029	31	14029
70°	27240	17102	32	17102
75°	28715	21085	32	21085
80°	30082	27861	0	27861
85°	32050	41720	0	41720



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.0
10°-20°	27.8	0.3
20°-30°	73.6	0.9
30°-40°	169.4	2.0
40°-50°	333.8	4.0
50°-60°	592.1	7.0
60°-70°	854.2	10.1
70°-80°	1033.1	12.3
80°-90°	1122.2	13.3
90°-100°	1122.2	13.3
100°-110°	1033.1	12.3
110°-120°	854.2	10.1
120°-130°	592.1	7.0
130°-140°	333.8	4.0
140°-150°	169.4	2.0
150°-160°	73.6	0.9
160°-170°	27.8	0.3
170°-180°	4.0	0.0
0°-30°	105.3	1.3
0°-40°	274.8	3.3
0°-60°	1200.6	14.3
0°-90°	4210.1	50.0
90°-120°	3009.5	35.7
90°-150°	4104.8	48.7
90°-180°	4210.0	50.0
0°-180°	8420.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3	3	3	3	3	
5°	60	20	2	20	60	8
15°	222	54	2	54	222	62
25°	297	110	2	110	297	148
35°	658	228	2	228	658	430
45°	1388	347	3	347	1388	1112
55°	2630	404	3	404	2630	2327
65°	3258	461	4	461	3258	3226
75°	3544	471	4	471	3544	3740
85°	3699	466	0	466	3699	2992
90°	3634	464	0	464	3634	2007
95°	3699	466	0	466	3699	2992
105°	3544	471	4	471	3544	3740
115°	3258	461	4	461	3258	3226
125°	2630	404	3	404	2630	2327
135°	1388	347	3	347	1388	1112
145°	658	228	2	228	658	430
155°	297	110	2	110	297	148
165°	222	54	2	54	222	62
175°	60	20	2	20	60	8
180°	3	3	3	3	3	



TEST NUMBER: P232014

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	29.0	29.4	29.7	30.1	30.4	30.8	31.1	30.2	30.2	30.1	30.0
5°	60.0	60.7	61.5	62.2	62.9	62.2	62.3	62.2	62.0	61.7	61.3
7.5°	102.0	102.9	103.8	104.6	103.6	103.4	103.0	102.4	101.6	100.5	99.3
10°	135.0	136.1	137.2	138.3	137.4	137.3	137.0	136.5	135.7	134.7	133.4
12.5°	183.0	183.8	184.7	183.5	182.8	181.7	180.2	178.4	176.2	173.6	170.8
15°	222.0	222.6	223.2	221.9	221.0	219.7	218.0	216.0	213.6	210.9	207.8
17.5°	251.0	252.0	253.0	252.2	251.7	250.8	249.5	247.7	245.4	242.6	239.4
20°	254.0	256.9	259.7	262.0	264.2	266.0	267.3	268.1	268.3	267.8	266.6
22.5°	271.0	275.7	280.4	283.3	286.4	288.8	290.5	291.5	291.5	290.7	288.9
25°	297.0	303.3	308.4	313.1	317.0	320.2	322.5	323.8	324.2	323.5	321.8
27.5°	348.0	354.7	359.1	362.9	365.6	367.2	367.6	367.0	365.2	362.5	359.9
30°	437.0	442.1	443.0	443.0	441.3	438.1	433.4	427.5	420.5	412.6	408.1
32.5°	531.0	535.0	533.9	531.7	527.4	521.0	512.8	502.8	491.2	479.3	468.3
35°	658.0	659.8	654.1	647.0	636.7	623.6	607.8	589.7	569.4	552.7	536.0
37.5°	797.0	796.7	787.3	776.2	761.1	742.5	720.5	695.6	668.5	642.7	615.4
40°	986.0	981.7	964.2	944.1	918.6	888.2	853.4	814.6	777.8	743.5	707.1
42.5°	1176.0	1169.2	1147.6	1122.8	1091.5	1054.1	1011.0	962.6	913.4	862.1	808.5
45°	1388.0	1382.8	1358.8	1329.8	1291.1	1242.8	1184.9	1126.2	1060.6	997.0	932.2
47.5°	1642.0	1636.3	1606.5	1571.0	1523.9	1465.7	1396.8	1320.9	1239.7	1149.3	1072.2
50°	1987.0	1976.3	1930.8	1878.1	1810.5	1729.1	1635.1	1543.5	1447.5	1341.9	1241.2
52.5°	2350.0	2322.5	2257.7	2188.3	2107.3	2017.9	1922.6	1806.0	1672.8	1538.7	1419.0
55°	2630.0	2593.1	2523.5	2448.5	2361.7	2264.7	2157.7	2039.6	1908.8	1756.7	1598.3
57.5°	2858.1	2809.7	2732.9	2652.6	2563.6	2468.2	2358.5	2238.2	2117.0	1956.4	1791.1
60°	3011.1	2959.3	2884.6	2805.4	2716.4	2618.6	2513.2	2407.0	2283.5	2136.9	1970.7
62.5°	3145.1	3086.3	3016.1	2934.8	2842.5	2741.1	2640.5	2533.9	2415.3	2291.2	2128.7
65°	3258.1	3201.6	3133.4	3052.7	2959.3	2858.3	2752.7	2641.2	2520.6	2392.7	2258.3
67.5°	3363.1	3309.8	3243.7	3163.7	3069.4	2964.8	2852.4	2733.9	2611.0	2479.1	2343.6
70°	3433.1	3391.2	3336.2	3264.8	3170.2	3057.8	2940.1	2814.4	2684.6	2559.0	2430.7
72.5°	3491.1	3469.8	3430.8	3366.5	3253.2	3131.7	3009.9	2881.3	2755.1	2630.5	2506.6
75°	3544.1	3533.8	3509.5	3441.5	3322.0	3188.8	3058.6	2942.6	2820.4	2689.2	2561.5
77.5°	3584.1	3578.3	3562.8	3481.5	3365.2	3231.3	3111.3	2993.3	2869.4	2736.8	2600.8
80°	3606.1	3614.6	3592.5	3512.2	3397.0	3282.0	3157.5	3034.3	2905.1	2770.0	2630.2
82.5°	3640.1	3644.2	3611.1	3554.5	3446.2	3324.4	3190.5	3055.2	2927.5	2797.5	2662.9
85°	3699.1	3654.1	3597.1	3575.4	3481.7	3349.1	3215.8	3083.4	2951.2	2815.7	2682.9
87.5°	3690.1	3629.1	3636.5	3598.7	3493.9	3358.2	3225.1	3099.2	2962.8	2818.6	2689.5
90°	3634.1	3637.1	3654.1	3606.1	3471.1	3341.1	3210.1	3097.1	2959.1	2807.1	2683.0
92.5°	3690.1	3629.1	3636.5	3598.7	3493.9	3358.2	3225.1	3099.2	2962.8	2818.6	2689.5
95°	3699.1	3654.1	3597.1	3575.4	3481.7	3349.1	3215.8	3083.4	2951.2	2815.7	2682.9
97.5°	3640.1	3644.2	3611.1	3554.5	3446.2	3324.4	3190.5	3055.2	2927.5	2797.5	2662.9
100°	3606.1	3614.6	3592.5	3512.2	3397.0	3282.0	3157.5	3034.3	2905.1	2770.0	2630.2
102.5°	3584.1	3578.3	3562.8	3481.5	3365.2	3231.3	3111.3	2993.3	2869.4	2736.8	2600.8
105°	3544.1	3533.8	3509.5	3441.5	3322.0	3188.8	3058.6	2942.6	2820.4	2689.2	2561.5
107.5°	3491.1	3469.8	3430.8	3366.5	3253.2	3131.7	3009.9	2881.3	2755.1	2630.5	2506.6
110°	3433.1	3391.2	3336.2	3264.8	3170.2	3057.8	2940.1	2814.4	2684.6	2559.0	2430.7



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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°	3363.1	3309.8	3243.7	3163.7	3069.4	2964.8	2852.4	2733.9	2611.0	2479.1	2343.6
115°	3258.1	3201.6	3133.4	3052.7	2959.3	2858.3	2752.7	2641.2	2520.6	2392.7	2258.3
117.5°	3145.1	3086.3	3016.1	2934.8	2842.5	2741.1	2640.5	2533.9	2415.3	2291.2	2128.7
120°	3011.1	2959.3	2884.6	2805.4	2716.4	2618.6	2513.2	2407.0	2283.5	2136.9	1970.7
122.5°	2858.1	2809.7	2732.9	2652.6	2563.6	2468.2	2358.5	2238.2	2117.0	1956.4	1791.1
125°	2630.0	2593.1	2523.5	2448.5	2361.7	2264.7	2157.7	2039.6	1908.8	1756.7	1598.3
127.5°	2350.0	2322.5	2257.7	2188.3	2107.3	2017.9	1922.6	1806.0	1672.8	1538.7	1419.0
130°	1987.0	1976.3	1930.8	1878.1	1810.5	1729.1	1635.1	1543.5	1447.5	1341.9	1241.2
132.5°	1642.0	1636.3	1606.5	1571.0	1523.9	1465.7	1396.8	1320.9	1239.7	1149.3	1072.2
135°	1388.0	1382.8	1358.8	1329.8	1291.1	1242.8	1184.9	1126.2	1060.6	997.0	932.2
137.5°	1176.0	1169.2	1147.6	1122.8	1091.5	1054.1	1011.0	962.6	913.4	862.1	808.5
140°	986.0	981.7	964.2	944.1	918.6	888.2	853.4	814.6	777.8	743.5	707.1
142.5°	797.0	796.7	787.3	776.2	761.1	742.5	720.5	695.6	668.5	642.7	615.4
145°	658.0	659.8	654.1	647.0	636.7	623.6	607.8	589.7	569.4	552.7	536.0
147.5°	531.0	535.0	533.9	531.7	527.4	521.0	512.8	502.8	491.2	479.3	468.3
150°	437.0	442.1	443.0	443.0	441.3	438.1	433.4	427.5	420.5	412.6	408.1
152.5°	348.0	354.7	359.1	362.9	365.6	367.2	367.6	367.0	365.2	362.5	359.9
155°	297.0	303.3	308.4	313.1	317.0	320.2	322.5	323.8	324.2	323.5	321.8
157.5°	271.0	275.7	280.4	283.3	286.4	288.8	290.5	291.5	291.5	290.7	288.9
160°	254.0	256.9	259.7	262.0	264.2	266.0	267.3	268.1	268.3	267.8	266.6
162.5°	251.0	252.0	253.0	252.2	251.7	250.8	249.5	247.7	245.4	242.6	239.4
165°	222.0	222.6	223.2	221.9	221.0	219.7	218.0	216.0	213.6	210.9	207.8
167.5°	183.0	183.8	184.7	183.5	182.8	181.7	180.2	178.4	176.2	173.6	170.8
170°	135.0	136.1	137.2	138.3	137.4	137.3	137.0	136.5	135.7	134.7	133.4
172.5°	102.0	102.9	103.8	104.6	103.6	103.4	103.0	102.4	101.6	100.5	99.3
175°	60.0	60.7	61.5	62.2	62.9	62.2	62.3	62.2	62.0	61.7	61.3
177.5°	29.0	29.4	29.7	30.1	30.4	30.8	31.1	30.2	30.2	30.1	30.0
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	29.8	29.6	29.3	29.0	28.6	28.2	27.7	27.2	26.7	26.0	25.4
5°	60.7	60.0	59.2	58.3	57.3	56.1	54.9	53.5	52.0	50.4	48.7
7.5°	97.8	96.2	94.3	92.3	90.1	87.7	85.2	82.5	79.6	77.1	74.5
10°	131.9	130.2	128.2	126.1	123.7	121.1	118.0	114.3	110.5	106.6	102.4
12.5°	167.6	164.2	160.5	156.5	152.7	149.4	145.9	142.1	138.1	133.9	129.5
15°	204.4	200.8	196.9	192.1	186.9	181.4	175.7	169.9	163.9	158.6	153.3
17.5°	235.7	231.6	226.8	221.8	216.5	210.9	205.1	198.8	191.8	184.7	177.5
20°	264.6	260.8	255.6	249.9	243.6	236.8	230.0	223.2	216.1	208.9	201.1
22.5°	286.7	284.5	281.2	276.8	271.3	264.0	255.8	247.0	237.9	229.7	221.6
25°	319.6	316.0	311.2	305.1	298.7	291.5	282.9	272.9	262.4	251.3	240.9
27.5°	357.4	353.6	348.4	342.0	334.0	324.5	315.1	302.4	289.5	275.6	262.6
30°	402.6	396.1	389.7	381.9	373.5	363.7	351.5	337.5	324.7	313.5	301.9
32.5°	456.7	444.7	435.1	425.7	415.3	404.3	393.6	382.2	369.4	355.9	343.3
35°	518.1	500.6	486.3	472.1	460.0	449.4	438.0	425.7	412.5	398.2	383.3
37.5°	586.7	563.7	541.7	524.9	509.5	495.0	481.7	468.5	454.2	438.9	423.1
40°	670.5	638.0	608.2	584.2	562.7	543.4	526.6	510.2	495.1	479.0	461.6
42.5°	763.7	724.5	685.9	652.4	621.3	595.6	572.5	553.6	534.7	518.0	500.0
45°	876.9	818.5	770.6	725.6	686.2	649.4	621.8	597.0	576.0	555.4	537.1
47.5°	1002.4	932.2	866.4	803.8	755.1	710.5	671.7	642.2	616.9	594.0	572.6
50°	1138.6	1053.5	972.6	898.1	827.7	773.4	726.3	686.3	657.8	632.5	607.8
52.5°	1300.5	1188.2	1084.6	996.6	914.1	838.0	781.9	735.1	697.1	669.6	659.2
55°	1458.8	1330.2	1209.7	1096.7	1002.7	915.3	836.6	785.0	755.0	736.7	732.1
57.5°	1621.0	1465.2	1331.8	1206.5	1091.3	994.1	916.5	858.6	821.2	799.5	795.5
60°	1782.8	1604.1	1443.3	1308.9	1190.6	1087.5	1000.7	928.9	886.9	861.6	853.1
62.5°	1947.7	1736.9	1562.3	1417.4	1290.8	1173.9	1080.6	1003.9	948.0	917.1	906.3
65°	2085.6	1897.2	1696.9	1526.7	1385.3	1260.4	1152.8	1068.7	1006.3	972.8	960.7
67.5°	2208.7	2030.8	1834.9	1644.1	1472.0	1335.8	1220.8	1131.8	1065.9	1025.3	1010.0
70°	2291.6	2132.9	1956.6	1752.2	1565.1	1410.4	1285.8	1187.6	1117.3	1072.8	1054.7
72.5°	2367.6	2210.6	2031.9	1843.8	1655.7	1476.1	1340.5	1238.4	1162.5	1118.9	1099.4
75°	2427.5	2273.7	2097.9	1912.4	1735.2	1538.3	1394.6	1288.1	1212.3	1163.7	1138.3
77.5°	2476.9	2326.4	2147.8	1966.9	1791.5	1606.0	1451.5	1339.5	1258.9	1205.9	1176.6
80°	2505.0	2368.9	2203.9	2018.7	1836.6	1657.9	1498.4	1384.1	1301.5	1245.7	1214.0
82.5°	2530.1	2399.7	2248.8	2059.7	1871.6	1695.3	1536.1	1422.5	1340.2	1283.3	1250.8
85°	2546.5	2415.3	2281.7	2089.3	1896.4	1719.6	1565.8	1455.5	1375.7	1319.1	1286.8
87.5°	2553.2	2422.2	2308.6	2113.4	1915.9	1736.7	1590.9	1485.4	1409.2	1353.8	1322.6
90°	2549.0	2410.0	2309.0	2113.0	1915.0	1737.0	1605.0	1508.0	1438.0	1386.0	1357.0
92.5°	2553.2	2422.2	2308.6	2113.4	1915.9	1736.7	1590.9	1485.4	1409.2	1353.8	1322.6
95°	2546.5	2415.3	2281.7	2089.3	1896.4	1719.6	1565.8	1455.5	1375.7	1319.1	1286.8
97.5°	2530.1	2399.7	2248.8	2059.7	1871.6	1695.3	1536.1	1422.5	1340.2	1283.3	1250.8
100°	2505.0	2368.9	2203.9	2018.7	1836.6	1657.9	1498.4	1384.1	1301.5	1245.7	1214.0
102.5°	2476.9	2326.4	2147.8	1966.9	1791.5	1606.0	1451.5	1339.5	1258.9	1205.9	1176.6
105°	2427.5	2273.7	2097.9	1912.4	1735.2	1538.3	1394.6	1288.1	1212.3	1163.7	1138.3
107.5°	2367.6	2210.6	2031.9	1843.8	1655.7	1476.1	1340.5	1238.4	1162.5	1118.9	1099.4
110°	2291.6	2132.9	1956.6	1752.2	1565.1	1410.4	1285.8	1187.6	1117.3	1072.8	1054.7



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	2208.7	2030.8	1834.9	1644.1	1472.0	1335.8	1220.8	1131.8	1065.9	1025.3	1010.0
115°	2085.6	1897.2	1696.9	1526.7	1385.3	1260.4	1152.8	1068.7	1006.3	972.8	960.7
117.5°	1947.7	1736.9	1562.3	1417.4	1290.8	1173.9	1080.6	1003.9	948.0	917.1	906.3
120°	1782.8	1604.1	1443.3	1308.9	1190.6	1087.5	1000.7	928.9	886.9	861.6	853.1
122.5°	1621.0	1465.2	1331.8	1206.5	1091.3	994.1	916.5	858.6	821.2	799.5	795.5
125°	1458.8	1330.2	1209.7	1096.7	1002.7	915.3	836.6	785.0	755.0	736.7	732.1
127.5°	1300.5	1188.2	1084.6	996.6	914.1	838.0	781.9	735.1	697.1	669.6	659.2
130°	1138.6	1053.5	972.6	898.1	827.7	773.4	726.3	686.3	657.8	632.5	607.8
132.5°	1002.4	932.2	866.4	803.8	755.1	710.5	671.7	642.2	616.9	594.0	572.6
135°	876.9	818.5	770.6	725.6	686.2	649.4	621.8	597.0	576.0	555.4	537.1
137.5°	763.7	724.5	685.9	652.4	621.3	595.6	572.5	553.6	534.7	518.0	500.0
140°	670.5	638.0	608.2	584.2	562.7	543.4	526.6	510.2	495.1	479.0	461.6
142.5°	586.7	563.7	541.7	524.9	509.5	495.0	481.7	468.5	454.2	438.9	423.1
145°	518.1	500.6	486.3	472.1	460.0	449.4	438.0	425.7	412.5	398.2	383.3
147.5°	456.7	444.7	435.1	425.7	415.3	404.3	393.6	382.2	369.4	355.9	343.3
150°	402.6	396.1	389.7	381.9	373.5	363.7	351.5	337.5	324.7	313.5	301.9
152.5°	357.4	353.6	348.4	342.0	334.0	324.5	315.1	302.4	289.5	275.6	262.6
155°	319.6	316.0	311.2	305.1	298.7	291.5	282.9	272.9	262.4	251.3	240.9
157.5°	286.7	284.5	281.2	276.8	271.3	264.0	255.8	247.0	237.9	229.7	221.6
160°	264.6	260.8	255.6	249.9	243.6	236.8	230.0	223.2	216.1	208.9	201.1
162.5°	235.7	231.6	226.8	221.8	216.5	210.9	205.1	198.8	191.8	184.7	177.5
165°	204.4	200.8	196.9	192.1	186.9	181.4	175.7	169.9	163.9	158.6	153.3
167.5°	167.6	164.2	160.5	156.5	152.7	149.4	145.9	142.1	138.1	133.9	129.5
170°	131.9	130.2	128.2	126.1	123.7	121.1	118.0	114.3	110.5	106.6	102.4
172.5°	97.8	96.2	94.3	92.3	90.1	87.7	85.2	82.5	79.6	77.1	74.5
175°	60.7	60.0	59.2	58.3	57.3	56.1	54.9	53.5	52.0	50.4	48.7
177.5°	29.8	29.6	29.3	29.0	28.6	28.2	27.7	27.2	26.7	26.0	25.4
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	24.7	24.0	23.2	22.4	21.6	20.7	19.8	18.8	17.9	16.9	15.9
5°	46.9	45.0	43.1	41.4	39.8	38.1	36.3	34.4	32.5	30.6	28.6
7.5°	71.8	68.9	65.9	62.8	59.5	56.1	52.6	49.7	46.9	44.1	41.1
10°	98.1	93.7	89.3	84.9	80.5	75.9	71.2	66.3	61.3	57.3	53.5
12.5°	124.3	118.9	113.3	107.6	101.7	95.9	89.9	83.8	77.5	71.0	65.7
15°	147.8	142.0	136.8	129.4	122.6	115.8	108.7	101.4	93.7	85.9	78.0
17.5°	171.0	163.5	156.6	149.5	142.1	134.4	126.7	118.8	110.1	100.9	91.5
20°	193.0	184.9	176.7	168.6	160.3	151.8	143.4	134.9	126.3	115.9	105.2
22.5°	213.3	204.7	196.0	187.2	178.1	168.6	159.0	150.0	140.9	131.0	118.8
25°	231.1	222.1	213.0	204.0	198.6	192.3	185.2	177.9	170.7	162.9	152.0
27.5°	253.9	248.2	243.8	239.1	234.1	228.7	221.9	214.3	206.5	198.1	187.8
30°	292.7	284.1	277.3	272.7	267.9	262.9	257.3	249.9	242.7	233.1	223.7
32.5°	330.7	320.3	311.4	304.8	300.3	295.5	290.6	284.4	276.8	267.8	257.7
35°	369.4	356.0	345.5	336.6	331.2	326.8	322.5	318.3	310.6	302.3	291.7
37.5°	407.0	392.3	378.4	369.0	361.2	356.9	353.1	349.3	343.5	336.5	325.5
40°	444.3	427.2	412.6	399.4	391.3	385.7	382.6	379.6	375.6	369.2	359.1
42.5°	480.5	462.3	445.0	430.8	420.5	413.4	411.1	408.9	406.7	401.3	392.5
45°	517.0	495.9	477.5	461.6	448.1	441.8	438.5	437.2	436.2	432.7	425.7
47.5°	552.9	530.3	509.3	491.8	477.2	472.7	473.5	473.8	471.6	465.6	455.4
50°	586.5	567.6	563.1	559.9	553.8	544.4	533.9	524.7	514.0	501.1	485.2
52.5°	653.0	653.1	655.6	653.9	643.0	623.5	601.6	580.3	559.6	538.7	516.0
55°	727.8	731.2	739.9	749.8	736.5	709.0	675.1	640.1	608.3	578.5	548.3
57.5°	797.4	803.5	816.7	839.3	830.5	799.1	753.9	703.8	660.2	620.6	582.0
60°	861.0	871.1	889.8	918.8	925.7	893.3	837.3	771.7	715.8	664.7	616.9
62.5°	918.7	935.5	958.6	992.8	1022.2	991.2	924.4	845.1	774.0	710.5	652.8
65°	971.2	995.3	1023.3	1061.7	1118.7	1086.7	1013.5	921.4	834.3	757.8	689.6
67.5°	1018.9	1051.1	1084.6	1128.8	1195.1	1180.2	1104.7	1000.2	896.4	806.4	727.1
70°	1064.0	1103.2	1144.9	1192.0	1250.2	1239.5	1155.0	1039.2	922.7	823.9	738.2
72.5°	1103.8	1132.9	1171.4	1209.0	1248.3	1241.6	1161.9	1051.1	933.5	833.0	745.0
75°	1135.5	1156.2	1193.9	1230.1	1253.6	1244.0	1165.8	1060.7	942.9	841.3	751.4
77.5°	1168.2	1181.8	1216.3	1254.6	1264.9	1246.2	1167.1	1068.0	950.9	848.7	757.3
80°	1201.6	1209.3	1239.0	1281.8	1280.7	1248.1	1165.9	1073.1	957.5	855.2	762.7
82.5°	1235.6	1238.4	1262.2	1311.1	1299.9	1249.4	1162.5	1076.3	962.8	860.7	770.6
85°	1269.9	1268.8	1286.3	1341.8	1320.9	1253.0	1159.7	1080.6	969.2	867.2	773.0
87.5°	1304.6	1300.0	1310.7	1373.3	1343.4	1249.5	1150.9	1077.8	970.1	869.6	775.5
90°	1339.0	1332.0	1338.0	1404.0	1363.0	1246.0	1142.0	1075.0	971.0	872.0	778.0
92.5°	1304.6	1300.0	1310.7	1373.3	1343.4	1249.5	1150.9	1077.8	970.1	869.6	775.5
95°	1269.9	1268.8	1286.3	1341.8	1320.9	1253.0	1159.7	1080.6	969.2	867.2	773.0
97.5°	1235.6	1238.4	1262.2	1311.1	1299.9	1249.4	1162.5	1076.3	962.8	860.7	770.6
100°	1201.6	1209.3	1239.0	1281.8	1280.7	1248.1	1165.9	1073.1	957.5	855.2	762.7
102.5°	1168.2	1181.8	1216.3	1254.6	1264.9	1246.2	1167.1	1068.0	950.9	848.7	757.3
105°	1135.5	1156.2	1193.9	1230.1	1253.6	1244.0	1165.8	1060.7	942.9	841.3	751.4
107.5°	1103.8	1132.9	1171.4	1209.0	1248.3	1241.6	1161.9	1051.1	933.5	833.0	745.0
110°	1064.0	1103.2	1144.9	1192.0	1250.2	1239.5	1155.0	1039.2	922.7	823.9	738.2



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1018.9	1051.1	1084.6	1128.8	1195.1	1180.2	1104.7	1000.2	896.4	806.4	727.1
115°	971.2	995.3	1023.3	1061.7	1118.7	1086.7	1013.5	921.4	834.3	757.8	689.6
117.5°	918.7	935.5	958.6	992.8	1022.2	991.2	924.4	845.1	774.0	710.5	652.8
120°	861.0	871.1	889.8	918.8	925.7	893.3	837.3	771.7	715.8	664.7	616.9
122.5°	797.4	803.5	816.7	839.3	830.5	799.1	753.9	703.8	660.2	620.6	582.0
125°	727.8	731.2	739.9	749.8	736.5	709.0	675.1	640.1	608.3	578.5	548.3
127.5°	653.0	653.1	655.6	653.9	643.0	623.5	601.6	580.3	559.6	538.7	516.0
130°	586.5	567.6	563.1	559.9	553.8	544.4	533.9	524.7	514.0	501.1	485.2
132.5°	552.9	530.3	509.3	491.8	477.2	472.7	473.5	473.8	471.6	465.6	455.4
135°	517.0	495.9	477.5	461.6	448.1	441.8	438.5	437.2	436.2	432.7	425.7
137.5°	480.5	462.3	445.0	430.8	420.5	413.4	411.1	408.9	406.7	401.3	392.5
140°	444.3	427.2	412.6	399.4	391.3	385.7	382.6	379.6	375.6	369.2	359.1
142.5°	407.0	392.3	378.4	369.0	361.2	356.9	353.1	349.3	343.5	336.5	325.5
145°	369.4	356.0	345.5	336.6	331.2	326.8	322.5	318.3	310.6	302.3	291.7
147.5°	330.7	320.3	311.4	304.8	300.3	295.5	290.6	284.4	276.8	267.8	257.7
150°	292.7	284.1	277.3	272.7	267.9	262.9	257.3	249.9	242.7	233.1	223.7
152.5°	253.9	248.2	243.8	239.1	234.1	228.7	221.9	214.3	206.5	198.1	187.8
155°	231.1	222.1	213.0	204.0	198.6	192.3	185.2	177.9	170.7	162.9	152.0
157.5°	213.3	204.7	196.0	187.2	178.1	168.6	159.0	150.0	140.9	131.0	118.8
160°	193.0	184.9	176.7	168.6	160.3	151.8	143.4	134.9	126.3	115.9	105.2
162.5°	171.0	163.5	156.6	149.5	142.1	134.4	126.7	118.8	110.1	100.9	91.5
165°	147.8	142.0	136.8	129.4	122.6	115.8	108.7	101.4	93.7	85.9	78.0
167.5°	124.3	118.9	113.3	107.6	101.7	95.9	89.9	83.8	77.5	71.0	65.7
170°	98.1	93.7	89.3	84.9	80.5	75.9	71.2	66.3	61.3	57.3	53.5
172.5°	71.8	68.9	65.9	62.8	59.5	56.1	52.6	49.7	46.9	44.1	41.1
175°	46.9	45.0	43.1	41.4	39.8	38.1	36.3	34.4	32.5	30.6	28.6
177.5°	24.7	24.0	23.2	22.4	21.6	20.7	19.8	18.8	17.9	16.9	15.9
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	14.8	13.7	12.7	11.6	11.5	11.5	11.4	11.3	11.2	11.1	11.0
5°	26.5	24.4	22.3	20.1	20.0	19.8	19.6	19.4	19.1	18.9	18.6
7.5°	38.1	35.0	31.9	28.7	28.4	28.1	27.7	27.3	26.8	26.3	25.8
10°	49.5	45.5	41.4	37.2	36.7	36.2	35.6	34.9	34.2	33.5	32.9
12.5°	60.8	55.9	50.9	45.8	45.0	44.2	43.3	42.3	41.5	40.9	40.2
15°	72.0	66.2	60.3	54.3	53.3	52.1	50.8	49.6	49.0	48.3	47.4
17.5°	83.0	76.4	69.7	62.9	61.4	59.9	58.2	57.2	56.5	55.7	54.8
20°	94.2	86.5	79.1	71.4	69.6	67.6	65.6	64.9	64.0	63.1	62.4
22.5°	106.4	96.6	88.4	80.0	77.6	75.2	73.3	72.5	71.6	70.8	70.0
25°	139.7	128.4	119.3	109.7	105.8	101.5	98.0	95.0	91.8	88.9	85.9
27.5°	174.5	161.2	150.6	139.3	133.9	128.1	123.4	118.7	114.4	110.3	105.9
30°	209.1	194.2	181.9	169.0	161.9	154.3	148.0	141.4	136.2	130.8	124.8
32.5°	243.6	227.6	213.3	198.7	189.7	180.4	172.0	163.9	157.2	150.0	142.5
35°	277.9	261.0	244.8	228.3	217.3	206.0	195.4	185.8	177.4	168.4	159.2
37.5°	312.1	294.3	276.3	258.0	244.7	231.3	218.1	207.1	197.3	185.9	174.6
40°	346.1	327.5	308.0	287.7	272.0	256.2	240.4	227.9	215.5	202.6	189.0
42.5°	379.7	360.5	339.7	317.3	299.2	280.7	262.6	248.1	233.5	219.0	202.4
45°	412.6	393.5	371.4	347.0	326.2	304.9	284.2	267.9	250.9	233.3	214.9
47.5°	437.1	413.4	387.4	361.2	336.9	313.1	291.5	274.3	257.3	239.9	221.7
50°	461.8	433.3	403.1	375.4	347.2	320.4	296.9	277.6	259.8	241.9	223.4
52.5°	487.3	453.6	418.9	389.7	357.3	327.5	302.1	281.1	262.2	244.3	226.2
55°	513.7	474.5	434.6	403.9	367.3	334.5	307.1	284.6	265.0	247.2	230.0
57.5°	540.9	495.7	450.3	418.1	377.1	341.4	312.0	288.1	268.2	250.6	234.7
60°	568.7	517.2	466.0	432.3	386.9	348.2	316.7	291.8	271.7	255.0	241.0
62.5°	597.1	539.0	481.6	446.6	396.6	355.0	321.4	295.5	275.6	260.0	246.9
65°	625.9	561.0	497.2	460.8	406.2	361.7	326.0	299.3	279.8	265.8	254.2
67.5°	655.1	583.2	512.8	475.0	415.8	368.4	330.5	303.3	284.4	272.1	262.3
70°	661.7	587.8	517.6	473.8	413.1	365.5	327.4	300.5	282.5	271.8	263.8
72.5°	666.1	591.4	522.4	472.6	410.5	362.5	323.9	296.9	279.1	269.0	261.1
75°	670.2	594.5	529.3	471.3	407.9	359.7	320.5	293.5	275.9	266.2	258.7
77.5°	673.7	597.3	533.8	470.1	405.5	357.1	317.4	290.3	272.8	263.6	256.4
80°	676.9	601.5	538.2	468.9	403.1	354.7	314.5	287.2	270.0	261.1	254.3
82.5°	681.6	602.7	542.7	467.7	400.9	352.5	311.8	284.4	267.2	258.6	252.3
85°	682.8	603.8	547.1	466.4	398.8	350.5	309.3	281.7	264.7	256.3	250.4
87.5°	683.9	604.9	551.6	465.2	396.8	348.7	307.0	279.3	262.2	254.1	248.7
90°	685.0	606.0	556.0	464.0	395.0	347.0	305.0	277.0	260.0	252.0	247.0
92.5°	683.9	604.9	551.6	465.2	396.8	348.7	307.0	279.3	262.2	254.1	248.7
95°	682.8	603.8	547.1	466.4	398.8	350.5	309.3	281.7	264.7	256.3	250.4
97.5°	681.6	602.7	542.7	467.7	400.9	352.5	311.8	284.4	267.2	258.6	252.3
100°	676.9	601.5	538.2	468.9	403.1	354.7	314.5	287.2	270.0	261.1	254.3
102.5°	673.7	597.3	533.8	470.1	405.5	357.1	317.4	290.3	272.8	263.6	256.4
105°	670.2	594.5	529.3	471.3	407.9	359.7	320.5	293.5	275.9	266.2	258.7
107.5°	666.1	591.4	522.4	472.6	410.5	362.5	323.9	296.9	279.1	269.0	261.1
110°	661.7	587.8	517.6	473.8	413.1	365.5	327.4	300.5	282.5	271.8	263.8



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	655.1	583.2	512.8	475.0	415.8	368.4	330.5	303.3	284.4	272.1	262.3
115°	625.9	561.0	497.2	460.8	406.2	361.7	326.0	299.3	279.8	265.8	254.2
117.5°	597.1	539.0	481.6	446.6	396.6	355.0	321.4	295.5	275.6	260.0	246.9
120°	568.7	517.2	466.0	432.3	386.9	348.2	316.7	291.8	271.7	255.0	241.0
122.5°	540.9	495.7	450.3	418.1	377.1	341.4	312.0	288.1	268.2	250.6	234.7
125°	513.7	474.5	434.6	403.9	367.3	334.5	307.1	284.6	265.0	247.2	230.0
127.5°	487.3	453.6	418.9	389.7	357.3	327.5	302.1	281.1	262.2	244.3	226.2
130°	461.8	433.3	403.1	375.4	347.2	320.4	296.9	277.6	259.8	241.9	223.4
132.5°	437.1	413.4	387.4	361.2	336.9	313.1	291.5	274.3	257.3	239.9	221.7
135°	412.6	393.5	371.4	347.0	326.2	304.9	284.2	267.9	250.9	233.3	214.9
137.5°	379.7	360.5	339.7	317.3	299.2	280.7	262.6	248.1	233.5	219.0	202.4
140°	346.1	327.5	308.0	287.7	272.0	256.2	240.4	227.9	215.5	202.6	189.0
142.5°	312.1	294.3	276.3	258.0	244.7	231.3	218.1	207.1	197.3	185.9	174.6
145°	277.9	261.0	244.8	228.3	217.3	206.0	195.4	185.8	177.4	168.4	159.2
147.5°	243.6	227.6	213.3	198.7	189.7	180.4	172.0	163.9	157.2	150.0	142.5
150°	209.1	194.2	181.9	169.0	161.9	154.3	148.0	141.4	136.2	130.8	124.8
152.5°	174.5	161.2	150.6	139.3	133.9	128.1	123.4	118.7	114.4	110.3	105.9
155°	139.7	128.4	119.3	109.7	105.8	101.5	98.0	95.0	91.8	88.9	85.9
157.5°	106.4	96.6	88.4	80.0	77.6	75.2	73.3	72.5	71.6	70.8	70.0
160°	94.2	86.5	79.1	71.4	69.6	67.6	65.6	64.9	64.0	63.1	62.4
162.5°	83.0	76.4	69.7	62.9	61.4	59.9	58.2	57.2	56.5	55.7	54.8
165°	72.0	66.2	60.3	54.3	53.3	52.1	50.8	49.6	49.0	48.3	47.4
167.5°	60.8	55.9	50.9	45.8	45.0	44.2	43.3	42.3	41.5	40.9	40.2
170°	49.5	45.5	41.4	37.2	36.7	36.2	35.6	34.9	34.2	33.5	32.9
172.5°	38.1	35.0	31.9	28.7	28.4	28.1	27.7	27.3	26.8	26.3	25.8
175°	26.5	24.4	22.3	20.1	20.0	19.8	19.6	19.4	19.1	18.9	18.6
177.5°	14.8	13.7	12.7	11.6	11.5	11.5	11.4	11.3	11.2	11.1	11.0
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	10.8	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.7
5°	18.2	17.9	17.5	17.1	16.7	16.2	15.8	15.3	14.8	14.3	13.8
7.5°	25.3	24.7	24.2	23.6	23.0	22.4	21.7	21.0	20.2	19.5	18.8
10°	32.3	31.7	31.0	30.2	29.4	28.7	27.9	27.1	26.3	25.4	24.4
12.5°	39.4	38.6	37.8	37.1	36.3	35.4	34.5	33.5	32.3	31.1	29.9
15°	46.6	45.9	45.1	44.2	43.2	42.1	40.8	39.5	38.2	36.8	35.3
17.5°	54.1	53.2	52.3	51.2	49.9	48.5	47.1	45.6	44.0	42.3	40.6
20°	61.6	60.6	59.3	58.0	56.5	54.9	53.3	51.5	49.7	47.6	45.5
22.5°	69.1	67.7	66.3	64.7	63.0	61.3	59.4	57.2	54.9	52.6	50.4
25°	82.4	78.7	75.0	71.4	69.6	67.4	65.0	62.5	60.3	58.0	55.6
27.5°	101.2	96.3	91.4	86.6	81.5	76.6	72.1	68.3	65.9	63.1	60.2
30°	118.7	112.4	106.1	99.6	93.1	87.2	81.8	77.0	72.5	68.3	64.6
32.5°	134.8	126.9	118.8	110.5	102.7	95.6	89.2	83.6	78.5	73.8	69.5
35°	149.5	139.8	129.5	119.6	110.3	102.0	95.1	88.8	83.2	78.1	73.8
37.5°	163.0	150.8	138.5	126.7	115.9	107.5	99.8	92.9	87.1	82.2	77.6
40°	175.2	160.4	145.9	132.0	121.3	111.8	103.6	96.5	91.0	86.0	81.4
42.5°	185.7	168.5	151.6	137.1	125.5	115.5	106.7	100.4	94.8	89.8	85.0
45°	195.1	175.2	155.7	141.7	129.2	118.2	110.7	104.2	98.8	93.7	88.8
47.5°	201.6	180.3	160.7	145.3	132.3	122.1	114.3	108.3	102.9	97.8	92.3
50°	203.9	183.2	165.9	150.4	136.1	126.2	118.6	112.5	107.3	101.6	95.9
52.5°	207.3	187.8	171.7	156.9	144.5	134.6	126.7	119.4	111.6	105.4	99.9
55°	212.0	194.3	178.3	164.1	153.2	144.5	137.4	131.0	121.6	112.4	104.2
57.5°	217.9	201.4	186.1	172.6	162.1	155.0	149.4	141.5	130.9	120.2	110.5
60°	224.9	208.9	194.4	182.0	172.7	166.5	162.4	151.5	138.7	126.5	115.5
62.5°	232.9	217.0	203.2	191.7	183.9	179.4	173.6	160.6	145.1	131.7	119.6
65°	241.2	225.9	212.6	201.5	195.6	193.1	183.8	168.0	150.9	136.1	123.1
67.5°	250.0	235.4	222.7	212.4	207.7	207.4	193.8	174.4	156.0	140.2	126.0
70°	253.0	241.0	230.7	223.5	221.4	219.9	203.3	180.0	160.7	144.0	128.5
72.5°	250.6	239.9	230.2	223.9	223.3	220.6	205.5	184.6	165.2	147.6	130.5
75°	248.7	239.4	230.0	224.0	223.2	217.9	203.9	186.6	168.5	150.3	133.2
77.5°	247.2	239.3	230.0	224.1	222.7	216.0	204.5	190.1	172.1	153.3	136.2
80°	246.0	239.6	230.2	224.0	221.9	214.9	206.9	194.8	176.1	156.9	139.6
82.5°	245.2	240.2	230.6	223.9	220.8	214.3	210.6	200.6	180.6	161.1	143.5
85°	244.7	241.0	231.2	223.8	219.5	214.2	215.3	207.2	185.7	166.0	148.0
87.5°	244.3	241.9	232.0	223.8	218.2	214.5	220.6	214.4	191.5	171.6	153.1
90°	244.0	243.0	233.0	224.0	217.0	215.0	226.0	222.0	198.0	178.0	159.0
92.5°	244.3	241.9	232.0	223.8	218.2	214.5	220.6	214.4	191.5	171.6	153.1
95°	244.7	241.0	231.2	223.8	219.5	214.2	215.3	207.2	185.7	166.0	148.0
97.5°	245.2	240.2	230.6	223.9	220.8	214.3	210.6	200.6	180.6	161.1	143.5
100°	246.0	239.6	230.2	224.0	221.9	214.9	206.9	194.8	176.1	156.9	139.6
102.5°	247.2	239.3	230.0	224.1	222.7	216.0	204.5	190.1	172.1	153.3	136.2
105°	248.7	239.4	230.0	224.0	223.2	217.9	203.9	186.6	168.5	150.3	133.2
107.5°	250.6	239.9	230.2	223.9	223.3	220.6	205.5	184.6	165.2	147.6	130.5
110°	253.0	241.0	230.7	223.5	221.4	219.9	203.3	180.0	160.7	144.0	128.5



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	250.0	235.4	222.7	212.4	207.7	207.4	193.8	174.4	156.0	140.2	126.0
115°	241.2	225.9	212.6	201.5	195.6	193.1	183.8	168.0	150.9	136.1	123.1
117.5°	232.9	217.0	203.2	191.7	183.9	179.4	173.6	160.6	145.1	131.7	119.6
120°	224.9	208.9	194.4	182.0	172.7	166.5	162.4	151.5	138.7	126.5	115.5
122.5°	217.9	201.4	186.1	172.6	162.1	155.0	149.4	141.5	130.9	120.2	110.5
125°	212.0	194.3	178.3	164.1	153.2	144.5	137.4	131.0	121.6	112.4	104.2
127.5°	207.3	187.8	171.7	156.9	144.5	134.6	126.7	119.4	111.6	105.4	99.9
130°	203.9	183.2	165.9	150.4	136.1	126.2	118.6	112.5	107.3	101.6	95.9
132.5°	201.6	180.3	160.7	145.3	132.3	122.1	114.3	108.3	102.9	97.8	92.3
135°	195.1	175.2	155.7	141.7	129.2	118.2	110.7	104.2	98.8	93.7	88.8
137.5°	185.7	168.5	151.6	137.1	125.5	115.5	106.7	100.4	94.8	89.8	85.0
140°	175.2	160.4	145.9	132.0	121.3	111.8	103.6	96.5	91.0	86.0	81.4
142.5°	163.0	150.8	138.5	126.7	115.9	107.5	99.8	92.9	87.1	82.2	77.6
145°	149.5	139.8	129.5	119.6	110.3	102.0	95.1	88.8	83.2	78.1	73.8
147.5°	134.8	126.9	118.8	110.5	102.7	95.6	89.2	83.6	78.5	73.8	69.5
150°	118.7	112.4	106.1	99.6	93.1	87.2	81.8	77.0	72.5	68.3	64.6
152.5°	101.2	96.3	91.4	86.6	81.5	76.6	72.1	68.3	65.9	63.1	60.2
155°	82.4	78.7	75.0	71.4	69.6	67.4	65.0	62.5	60.3	58.0	55.6
157.5°	69.1	67.7	66.3	64.7	63.0	61.3	59.4	57.2	54.9	52.6	50.4
160°	61.6	60.6	59.3	58.0	56.5	54.9	53.3	51.5	49.7	47.6	45.5
162.5°	54.1	53.2	52.3	51.2	49.9	48.5	47.1	45.6	44.0	42.3	40.6
165°	46.6	45.9	45.1	44.2	43.2	42.1	40.8	39.5	38.2	36.8	35.3
167.5°	39.4	38.6	37.8	37.1	36.3	35.4	34.5	33.5	32.3	31.1	29.9
170°	32.3	31.7	31.0	30.2	29.4	28.7	27.9	27.1	26.3	25.4	24.4
172.5°	25.3	24.7	24.2	23.6	23.0	22.4	21.7	21.0	20.2	19.5	18.8
175°	18.2	17.9	17.5	17.1	16.7	16.2	15.8	15.3	14.8	14.3	13.8
177.5°	10.8	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.7
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	8.4	8.2	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.4
5°	13.2	12.6	12.0	11.4	10.8	10.2	9.5	8.9	8.2	7.5	6.8
7.5°	18.0	17.3	16.5	15.6	14.8	13.9	13.0	12.0	11.1	10.1	9.2
10°	23.4	22.4	21.3	20.2	19.0	17.8	16.6	15.3	14.1	12.8	11.5
12.5°	28.6	27.3	25.9	24.5	23.1	21.6	20.1	18.5	17.0	15.4	13.7
15°	33.7	32.2	30.5	28.8	27.1	25.3	23.4	21.6	19.7	17.8	15.8
17.5°	38.7	36.8	34.8	32.8	30.7	28.7	26.6	24.5	22.3	20.2	18.0
20°	43.3	41.2	39.0	36.8	34.6	32.3	29.9	27.5	25.0	22.5	20.0
22.5°	48.2	45.9	43.4	40.8	38.2	35.6	32.9	30.1	27.4	24.6	21.8
25°	52.9	50.1	47.3	44.5	41.6	38.6	35.7	32.7	29.7	26.7	23.6
27.5°	57.2	54.2	51.1	48.0	44.8	41.6	38.4	35.2	31.9	28.7	25.4
30°	61.4	58.1	54.8	51.4	48.0	44.6	41.1	37.6	34.1	30.5	26.9
32.5°	65.6	61.9	58.4	54.7	51.1	47.3	43.4	39.5	35.7	31.8	28.0
35°	69.6	65.7	61.8	57.8	53.6	49.4	45.2	41.1	37.1	33.1	29.2
37.5°	73.4	69.1	64.7	60.2	55.7	51.3	47.0	42.9	38.8	34.7	30.4
40°	76.8	72.2	67.4	62.6	58.0	53.6	49.2	44.5	39.7	35.1	30.7
42.5°	80.2	75.2	70.1	65.5	60.8	55.6	50.1	45.0	40.4	35.8	31.3
45°	83.4	78.2	73.4	68.3	62.5	56.8	51.4	46.1	41.1	36.4	31.8
47.5°	86.8	81.8	76.2	70.2	64.3	58.5	52.9	47.4	41.8	37.0	32.4
50°	90.6	84.8	78.6	72.4	66.2	60.4	54.4	48.4	42.8	37.7	33.2
52.5°	94.0	87.7	81.0	74.6	68.4	61.9	55.4	49.6	44.2	38.7	33.4
55°	97.4	90.3	83.5	77.0	70.0	63.0	56.8	50.9	45.0	39.3	34.0
57.5°	101.5	93.1	86.3	78.8	71.2	64.5	58.1	51.9	45.9	40.2	34.5
60°	105.4	96.6	88.3	80.2	72.8	66.0	59.5	52.9	46.4	40.1	34.4
62.5°	108.7	98.9	89.5	81.3	74.3	67.7	60.4	53.2	46.2	40.2	34.5
65°	111.2	100.3	90.5	81.9	74.7	67.7	60.8	53.0	46.3	39.6	33.0
67.5°	113.0	101.6	91.2	82.3	74.2	66.5	59.1	52.8	45.6	38.3	31.7
70°	114.8	102.6	91.8	82.3	73.5	64.8	57.1	50.3	43.8	37.0	30.1
72.5°	116.4	103.7	92.3	82.0	72.3	63.1	54.9	47.5	40.3	34.1	28.3
75°	118.4	104.7	92.7	81.7	71.2	61.3	52.8	44.4	36.8	30.5	26.0
77.5°	120.7	106.2	93.1	81.3	70.1	59.6	50.9	41.2	33.8	27.8	23.1
80°	123.1	107.8	93.7	80.6	68.3	57.6	48.1	38.8	31.4	25.2	19.9
82.5°	126.0	109.7	94.5	80.1	66.6	55.3	45.2	36.5	29.6	22.9	16.7
85°	129.3	112.1	95.6	80.0	65.3	53.2	43.2	35.0	28.6	22.6	16.5
87.5°	133.2	115.1	97.4	80.6	64.7	51.7	42.2	34.1	28.4	23.4	17.8
90°	138.0	119.0	100.0	82.0	65.0	51.0	42.0	34.0	29.0	25.0	20.0
92.5°	133.2	115.1	97.4	80.6	64.7	51.7	42.2	34.1	28.4	23.4	17.8
95°	129.3	112.1	95.6	80.0	65.3	53.2	43.2	35.0	28.6	22.6	16.5
97.5°	126.0	109.7	94.5	80.1	66.6	55.3	45.2	36.5	29.6	22.9	16.7
100°	123.1	107.8	93.7	80.6	68.3	57.6	48.1	38.8	31.4	25.2	19.9
102.5°	120.7	106.2	93.1	81.3	70.1	59.6	50.9	41.2	33.8	27.8	23.1
105°	118.4	104.7	92.7	81.7	71.2	61.3	52.8	44.4	36.8	30.5	26.0
107.5°	116.4	103.7	92.3	82.0	72.3	63.1	54.9	47.5	40.3	34.1	28.3
110°	114.8	102.6	91.8	82.3	73.5	64.8	57.1	50.3	43.8	37.0	30.1



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	113.0	101.6	91.2	82.3	74.2	66.5	59.1	52.8	45.6	38.3	31.7
115°	111.2	100.3	90.5	81.9	74.7	67.7	60.8	53.0	46.3	39.6	33.0
117.5°	108.7	98.9	89.5	81.3	74.3	67.7	60.4	53.2	46.2	40.2	34.5
120°	105.4	96.6	88.3	80.2	72.8	66.0	59.5	52.9	46.4	40.1	34.4
122.5°	101.5	93.1	86.3	78.8	71.2	64.5	58.1	51.9	45.9	40.2	34.5
125°	97.4	90.3	83.5	77.0	70.0	63.0	56.8	50.9	45.0	39.3	34.0
127.5°	94.0	87.7	81.0	74.6	68.4	61.9	55.4	49.6	44.2	38.7	33.4
130°	90.6	84.8	78.6	72.4	66.2	60.4	54.4	48.4	42.8	37.7	33.2
132.5°	86.8	81.8	76.2	70.2	64.3	58.5	52.9	47.4	41.8	37.0	32.4
135°	83.4	78.2	73.4	68.3	62.5	56.8	51.4	46.1	41.1	36.4	31.8
137.5°	80.2	75.2	70.1	65.5	60.8	55.6	50.1	45.0	40.4	35.8	31.3
140°	76.8	72.2	67.4	62.6	58.0	53.6	49.2	44.5	39.7	35.1	30.7
142.5°	73.4	69.1	64.7	60.2	55.7	51.3	47.0	42.9	38.8	34.7	30.4
145°	69.6	65.7	61.8	57.8	53.6	49.4	45.2	41.1	37.1	33.1	29.2
147.5°	65.6	61.9	58.4	54.7	51.1	47.3	43.4	39.5	35.7	31.8	28.0
150°	61.4	58.1	54.8	51.4	48.0	44.6	41.1	37.6	34.1	30.5	26.9
152.5°	57.2	54.2	51.1	48.0	44.8	41.6	38.4	35.2	31.9	28.7	25.4
155°	52.9	50.1	47.3	44.5	41.6	38.6	35.7	32.7	29.7	26.7	23.6
157.5°	48.2	45.9	43.4	40.8	38.2	35.6	32.9	30.1	27.4	24.6	21.8
160°	43.3	41.2	39.0	36.8	34.6	32.3	29.9	27.5	25.0	22.5	20.0
162.5°	38.7	36.8	34.8	32.8	30.7	28.7	26.6	24.5	22.3	20.2	18.0
165°	33.7	32.2	30.5	28.8	27.1	25.3	23.4	21.6	19.7	17.8	15.8
167.5°	28.6	27.3	25.9	24.5	23.1	21.6	20.1	18.5	17.0	15.4	13.7
170°	23.4	22.4	21.3	20.2	19.0	17.8	16.6	15.3	14.1	12.8	11.5
172.5°	18.0	17.3	16.5	15.6	14.8	13.9	13.0	12.0	11.1	10.1	9.2
175°	13.2	12.6	12.0	11.4	10.8	10.2	9.5	8.9	8.2	7.5	6.8
177.5°	8.4	8.2	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.4
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.0	4.7	4.4	4.0	3.7	3.3	3.0	3.3	3.7	4.0	4.4
5°	6.2	5.5	4.8	4.1	3.4	2.7	2.0	2.7	3.4	4.1	4.8
7.5°	8.2	7.2	6.1	5.1	4.1	3.0	2.0	3.0	4.1	5.1	6.1
10°	10.1	8.8	7.5	6.1	4.7	3.4	2.0	3.4	4.7	6.1	7.5
12.5°	12.1	10.4	8.8	7.1	5.4	3.7	2.0	3.7	5.4	7.1	8.8
15°	13.9	11.9	10.0	8.0	6.0	4.0	2.0	4.0	6.0	8.0	10.0
17.5°	15.7	13.5	11.2	8.9	6.6	4.3	2.0	4.3	6.6	8.9	11.2
20°	17.4	14.9	12.3	9.8	7.2	4.6	2.0	4.6	7.2	9.8	12.3
22.5°	19.0	16.2	13.4	10.6	7.7	4.9	2.0	4.9	7.7	10.6	13.4
25°	20.6	17.5	14.4	11.3	8.2	5.1	2.0	5.1	8.2	11.3	14.4
27.5°	22.1	18.7	15.4	12.1	8.7	5.4	2.0	5.4	8.7	12.1	15.4
30°	23.3	19.7	16.1	12.6	9.1	5.5	2.0	5.5	9.1	12.6	16.1
32.5°	24.3	20.5	16.8	13.1	9.4	5.7	2.0	5.7	9.4	13.1	16.8
35°	25.3	21.4	17.6	13.7	9.8	5.9	2.0	5.9	9.8	13.7	17.6
37.5°	26.1	22.0	17.9	13.8	9.9	5.9	2.0	5.9	9.9	13.8	17.9
40°	26.5	22.3	18.2	14.1	10.0	6.0	2.0	6.0	10.0	14.1	18.2
42.5°	27.0	22.7	18.5	14.3	10.2	6.1	2.0	6.1	10.2	14.3	18.5
45°	27.4	23.2	19.0	15.0	11.0	7.0	3.0	7.0	11.0	15.0	19.0
47.5°	28.0	23.8	19.6	15.4	11.3	7.1	3.0	7.1	11.3	15.4	19.6
50°	28.7	24.2	19.7	15.5	11.3	7.1	3.0	7.1	11.3	15.5	19.7
52.5°	28.7	24.3	19.9	15.7	11.4	7.2	3.0	7.2	11.4	15.7	19.9
55°	29.3	24.6	20.0	15.6	11.3	7.1	3.0	7.1	11.3	15.6	20.0
57.5°	29.1	24.4	20.0	15.7	11.4	7.2	3.0	7.2	11.4	15.7	20.0
60°	29.4	24.6	19.6	15.1	10.9	6.9	3.0	6.9	10.9	15.1	19.6
62.5°	28.6	23.0	18.5	14.3	10.4	6.6	3.0	6.6	10.4	14.3	18.5
65°	27.3	22.2	17.7	13.8	10.3	7.1	4.0	7.1	10.3	13.8	17.7
67.5°	25.9	20.8	16.6	12.7	9.2	6.0	3.0	6.0	9.2	12.7	16.6
70°	24.2	19.4	15.3	11.9	9.0	6.4	4.0	6.4	9.0	11.9	15.3
72.5°	23.0	18.5	14.6	10.8	8.0	5.8	4.0	5.8	8.0	10.8	14.6
75°	22.3	17.9	13.7	9.6	6.9	5.3	4.0	5.3	6.9	9.6	13.7
77.5°	19.8	17.9	12.7	7.5	2.6	0.5	0.0	0.5	2.6	7.5	12.7
80°	16.4	13.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
82.5°	12.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	10.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	9.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	12.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	16.4	13.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
102.5°	19.8	17.9	12.7	7.5	2.6	0.5	0.0	0.5	2.6	7.5	12.7
105°	22.3	17.9	13.7	9.6	6.9	5.3	4.0	5.3	6.9	9.6	13.7
107.5°	23.0	18.5	14.6	10.8	8.0	5.8	4.0	5.8	8.0	10.8	14.6
110°	24.2	19.4	15.3	11.9	9.0	6.4	4.0	6.4	9.0	11.9	15.3



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	25.9	20.8	16.6	12.7	9.2	6.0	3.0	6.0	9.2	12.7	16.6
115°	27.3	22.2	17.7	13.8	10.3	7.1	4.0	7.1	10.3	13.8	17.7
117.5°	28.6	23.0	18.5	14.3	10.4	6.6	3.0	6.6	10.4	14.3	18.5
120°	29.4	24.6	19.6	15.1	10.9	6.9	3.0	6.9	10.9	15.1	19.6
122.5°	29.1	24.4	20.0	15.7	11.4	7.2	3.0	7.2	11.4	15.7	20.0
125°	29.3	24.6	20.0	15.6	11.3	7.1	3.0	7.1	11.3	15.6	20.0
127.5°	28.7	24.3	19.9	15.7	11.4	7.2	3.0	7.2	11.4	15.7	19.9
130°	28.7	24.2	19.7	15.5	11.3	7.1	3.0	7.1	11.3	15.5	19.7
132.5°	28.0	23.8	19.6	15.4	11.3	7.1	3.0	7.1	11.3	15.4	19.6
135°	27.4	23.2	19.0	15.0	11.0	7.0	3.0	7.0	11.0	15.0	19.0
137.5°	27.0	22.7	18.5	14.3	10.2	6.1	2.0	6.1	10.2	14.3	18.5
140°	26.5	22.3	18.2	14.1	10.0	6.0	2.0	6.0	10.0	14.1	18.2
142.5°	26.1	22.0	17.9	13.8	9.9	5.9	2.0	5.9	9.9	13.8	17.9
145°	25.3	21.4	17.6	13.7	9.8	5.9	2.0	5.9	9.8	13.7	17.6
147.5°	24.3	20.5	16.8	13.1	9.4	5.7	2.0	5.7	9.4	13.1	16.8
150°	23.3	19.7	16.1	12.6	9.1	5.5	2.0	5.5	9.1	12.6	16.1
152.5°	22.1	18.7	15.4	12.1	8.7	5.4	2.0	5.4	8.7	12.1	15.4
155°	20.6	17.5	14.4	11.3	8.2	5.1	2.0	5.1	8.2	11.3	14.4
157.5°	19.0	16.2	13.4	10.6	7.7	4.9	2.0	4.9	7.7	10.6	13.4
160°	17.4	14.9	12.3	9.8	7.2	4.6	2.0	4.6	7.2	9.8	12.3
162.5°	15.7	13.5	11.2	8.9	6.6	4.3	2.0	4.3	6.6	8.9	11.2
165°	13.9	11.9	10.0	8.0	6.0	4.0	2.0	4.0	6.0	8.0	10.0
167.5°	12.1	10.4	8.8	7.1	5.4	3.7	2.0	3.7	5.4	7.1	8.8
170°	10.1	8.8	7.5	6.1	4.7	3.4	2.0	3.4	4.7	6.1	7.5
172.5°	8.2	7.2	6.1	5.1	4.1	3.0	2.0	3.0	4.1	5.1	6.1
175°	6.2	5.5	4.8	4.1	3.4	2.7	2.0	2.7	3.4	4.1	4.8
177.5°	5.0	4.7	4.4	4.0	3.7	3.3	3.0	3.3	3.7	4.0	4.4
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	4.7	5.0	5.4	5.7	6.0	6.4	6.7	7.0	7.3	7.6	7.9
5°	5.5	6.2	6.8	7.5	8.2	8.9	9.5	10.2	10.8	11.4	12.0
7.5°	7.2	8.2	9.2	10.1	11.1	12.0	13.0	13.9	14.8	15.6	16.5
10°	8.8	10.1	11.5	12.8	14.1	15.3	16.6	17.8	19.0	20.2	21.3
12.5°	10.4	12.1	13.7	15.4	17.0	18.5	20.1	21.6	23.1	24.5	25.9
15°	11.9	13.9	15.8	17.8	19.7	21.6	23.4	25.3	27.1	28.8	30.5
17.5°	13.5	15.7	18.0	20.2	22.3	24.5	26.6	28.7	30.7	32.8	34.8
20°	14.9	17.4	20.0	22.5	25.0	27.5	29.9	32.3	34.6	36.8	39.0
22.5°	16.2	19.0	21.8	24.6	27.4	30.1	32.9	35.6	38.2	40.8	43.4
25°	17.5	20.6	23.6	26.7	29.7	32.7	35.7	38.6	41.6	44.5	47.3
27.5°	18.7	22.1	25.4	28.7	31.9	35.2	38.4	41.6	44.8	48.0	51.1
30°	19.7	23.3	26.9	30.5	34.1	37.6	41.1	44.6	48.0	51.4	54.8
32.5°	20.5	24.3	28.0	31.8	35.7	39.5	43.4	47.3	51.1	54.7	58.4
35°	21.4	25.3	29.2	33.1	37.1	41.1	45.2	49.4	53.6	57.8	61.8
37.5°	22.0	26.1	30.4	34.7	38.8	42.9	47.0	51.3	55.7	60.2	64.7
40°	22.3	26.5	30.7	35.1	39.7	44.5	49.2	53.6	58.0	62.6	67.4
42.5°	22.7	27.0	31.3	35.8	40.4	45.0	50.1	55.6	60.8	65.5	70.1
45°	23.2	27.4	31.8	36.4	41.1	46.1	51.4	56.8	62.5	68.3	73.4
47.5°	23.8	28.0	32.4	37.0	41.8	47.4	52.9	58.5	64.3	70.2	76.2
50°	24.2	28.7	33.2	37.7	42.8	48.4	54.4	60.4	66.2	72.4	78.6
52.5°	24.3	28.7	33.4	38.7	44.2	49.6	55.4	61.9	68.4	74.6	81.0
55°	24.6	29.3	34.0	39.3	45.0	50.9	56.8	63.0	70.0	77.0	83.5
57.5°	24.4	29.1	34.5	40.2	45.9	51.9	58.1	64.5	71.2	78.8	86.3
60°	24.6	29.4	34.4	40.1	46.4	52.9	59.5	66.0	72.8	80.2	88.3
62.5°	23.0	28.6	34.5	40.2	46.2	53.2	60.4	67.7	74.3	81.3	89.5
65°	22.2	27.3	33.0	39.6	46.3	53.0	60.8	67.7	74.7	81.9	90.5
67.5°	20.8	25.9	31.7	38.3	45.6	52.8	59.1	66.5	74.2	82.3	91.2
70°	19.4	24.2	30.1	37.0	43.8	50.3	57.1	64.8	73.5	82.3	91.8
72.5°	18.5	23.0	28.3	34.1	40.3	47.5	54.9	63.1	72.3	82.0	92.3
75°	17.9	22.3	26.0	30.5	36.8	44.4	52.8	61.3	71.2	81.7	92.7
77.5°	17.9	19.8	23.1	27.8	33.8	41.2	50.9	59.6	70.1	81.3	93.1
80°	13.5	16.4	19.9	25.2	31.4	38.8	48.1	57.6	68.3	80.6	93.7
82.5°	7.7	12.2	16.7	22.9	29.6	36.5	45.2	55.3	66.6	80.1	94.5
85°	2.7	9.9	16.5	22.6	28.6	35.0	43.2	53.2	65.3	80.0	95.6
87.5°	0.9	10.5	17.8	23.4	28.4	34.1	42.2	51.7	64.7	80.6	97.4
90°	0.0	12.0	20.0	25.0	29.0	34.0	42.0	51.0	65.0	82.0	100.0
92.5°	0.9	10.5	17.8	23.4	28.4	34.1	42.2	51.7	64.7	80.6	97.4
95°	2.7	9.9	16.5	22.6	28.6	35.0	43.2	53.2	65.3	80.0	95.6
97.5°	7.7	12.2	16.7	22.9	29.6	36.5	45.2	55.3	66.6	80.1	94.5
100°	13.5	16.4	19.9	25.2	31.4	38.8	48.1	57.6	68.3	80.6	93.7
102.5°	17.9	19.8	23.1	27.8	33.8	41.2	50.9	59.6	70.1	81.3	93.1
105°	17.9	22.3	26.0	30.5	36.8	44.4	52.8	61.3	71.2	81.7	92.7
107.5°	18.5	23.0	28.3	34.1	40.3	47.5	54.9	63.1	72.3	82.0	92.3
110°	19.4	24.2	30.1	37.0	43.8	50.3	57.1	64.8	73.5	82.3	91.8



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	20.8	25.9	31.7	38.3	45.6	52.8	59.1	66.5	74.2	82.3	91.2
115°	22.2	27.3	33.0	39.6	46.3	53.0	60.8	67.7	74.7	81.9	90.5
117.5°	23.0	28.6	34.5	40.2	46.2	53.2	60.4	67.7	74.3	81.3	89.5
120°	24.6	29.4	34.4	40.1	46.4	52.9	59.5	66.0	72.8	80.2	88.3
122.5°	24.4	29.1	34.5	40.2	45.9	51.9	58.1	64.5	71.2	78.8	86.3
125°	24.6	29.3	34.0	39.3	45.0	50.9	56.8	63.0	70.0	77.0	83.5
127.5°	24.3	28.7	33.4	38.7	44.2	49.6	55.4	61.9	68.4	74.6	81.0
130°	24.2	28.7	33.2	37.7	42.8	48.4	54.4	60.4	66.2	72.4	78.6
132.5°	23.8	28.0	32.4	37.0	41.8	47.4	52.9	58.5	64.3	70.2	76.2
135°	23.2	27.4	31.8	36.4	41.1	46.1	51.4	56.8	62.5	68.3	73.4
137.5°	22.7	27.0	31.3	35.8	40.4	45.0	50.1	55.6	60.8	65.5	70.1
140°	22.3	26.5	30.7	35.1	39.7	44.5	49.2	53.6	58.0	62.6	67.4
142.5°	22.0	26.1	30.4	34.7	38.8	42.9	47.0	51.3	55.7	60.2	64.7
145°	21.4	25.3	29.2	33.1	37.1	41.1	45.2	49.4	53.6	57.8	61.8
147.5°	20.5	24.3	28.0	31.8	35.7	39.5	43.4	47.3	51.1	54.7	58.4
150°	19.7	23.3	26.9	30.5	34.1	37.6	41.1	44.6	48.0	51.4	54.8
152.5°	18.7	22.1	25.4	28.7	31.9	35.2	38.4	41.6	44.8	48.0	51.1
155°	17.5	20.6	23.6	26.7	29.7	32.7	35.7	38.6	41.6	44.5	47.3
157.5°	16.2	19.0	21.8	24.6	27.4	30.1	32.9	35.6	38.2	40.8	43.4
160°	14.9	17.4	20.0	22.5	25.0	27.5	29.9	32.3	34.6	36.8	39.0
162.5°	13.5	15.7	18.0	20.2	22.3	24.5	26.6	28.7	30.7	32.8	34.8
165°	11.9	13.9	15.8	17.8	19.7	21.6	23.4	25.3	27.1	28.8	30.5
167.5°	10.4	12.1	13.7	15.4	17.0	18.5	20.1	21.6	23.1	24.5	25.9
170°	8.8	10.1	11.5	12.8	14.1	15.3	16.6	17.8	19.0	20.2	21.3
172.5°	7.2	8.2	9.2	10.1	11.1	12.0	13.0	13.9	14.8	15.6	16.5
175°	5.5	6.2	6.8	7.5	8.2	8.9	9.5	10.2	10.8	11.4	12.0
177.5°	4.7	5.0	5.4	5.7	6.0	6.4	6.7	7.0	7.3	7.6	7.9
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	8.2	8.4	8.7	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5
5°	12.6	13.2	13.8	14.3	14.8	15.3	15.8	16.2	16.7	17.1	17.5
7.5°	17.3	18.0	18.8	19.5	20.2	21.0	21.7	22.4	23.0	23.6	24.2
10°	22.4	23.4	24.4	25.4	26.3	27.1	27.9	28.7	29.4	30.2	31.0
12.5°	27.3	28.6	29.9	31.1	32.3	33.5	34.5	35.4	36.3	37.1	37.8
15°	32.2	33.7	35.3	36.8	38.2	39.5	40.8	42.1	43.2	44.2	45.1
17.5°	36.8	38.7	40.6	42.3	44.0	45.6	47.1	48.5	49.9	51.2	52.3
20°	41.2	43.3	45.5	47.6	49.7	51.5	53.3	54.9	56.5	58.0	59.3
22.5°	45.9	48.2	50.4	52.6	54.9	57.2	59.4	61.3	63.0	64.7	66.3
25°	50.1	52.9	55.6	58.0	60.3	62.5	65.0	67.4	69.6	71.4	75.0
27.5°	54.2	57.2	60.2	63.1	65.9	68.3	72.1	76.6	81.5	86.6	91.4
30°	58.1	61.4	64.6	68.3	72.5	77.0	81.8	87.2	93.1	99.6	106.1
32.5°	61.9	65.6	69.5	73.8	78.5	83.6	89.2	95.6	102.7	110.5	118.8
35°	65.7	69.6	73.8	78.1	83.2	88.8	95.1	102.0	110.3	119.6	129.5
37.5°	69.1	73.4	77.6	82.2	87.1	92.9	99.8	107.5	115.9	126.7	138.5
40°	72.2	76.8	81.4	86.0	91.0	96.5	103.6	111.8	121.3	132.0	145.9
42.5°	75.2	80.2	85.0	89.8	94.8	100.4	106.7	115.5	125.5	137.1	151.6
45°	78.2	83.4	88.8	93.7	98.8	104.2	110.7	118.2	129.2	141.7	155.7
47.5°	81.8	86.8	92.3	97.8	102.9	108.3	114.3	122.1	132.3	145.3	160.7
50°	84.8	90.6	95.9	101.6	107.3	112.5	118.6	126.2	136.1	150.4	165.9
52.5°	87.7	94.0	99.9	105.4	111.6	119.4	126.7	134.6	144.5	156.9	171.7
55°	90.3	97.4	104.2	112.4	121.6	131.0	137.4	144.5	153.2	164.1	178.3
57.5°	93.1	101.5	110.5	120.2	130.9	141.5	149.4	155.0	162.1	172.6	186.1
60°	96.6	105.4	115.5	126.5	138.7	151.5	162.4	166.5	172.7	182.0	194.4
62.5°	98.9	108.7	119.6	131.7	145.1	160.6	173.6	179.4	183.9	191.7	203.2
65°	100.3	111.2	123.1	136.1	150.9	168.0	183.8	193.1	195.6	201.5	212.6
67.5°	101.6	113.0	126.0	140.2	156.0	174.4	193.8	207.4	207.7	212.4	222.7
70°	102.6	114.8	128.5	144.0	160.7	180.0	203.3	219.9	221.4	223.5	230.7
72.5°	103.7	116.4	130.5	147.6	165.2	184.6	205.5	220.6	223.3	223.9	230.2
75°	104.7	118.4	133.2	150.3	168.5	186.6	203.9	217.9	223.2	224.0	230.0
77.5°	106.2	120.7	136.2	153.3	172.1	190.1	204.5	216.0	222.7	224.1	230.0
80°	107.8	123.1	139.6	156.9	176.1	194.8	206.9	214.9	221.9	224.0	230.2
82.5°	109.7	126.0	143.5	161.1	180.6	200.6	210.6	214.3	220.8	223.9	230.6
85°	112.1	129.3	148.0	166.0	185.7	207.2	215.3	214.2	219.5	223.8	231.2
87.5°	115.1	133.2	153.1	171.6	191.5	214.4	220.6	214.5	218.2	223.8	232.0
90°	119.0	138.0	159.0	178.0	198.0	222.0	226.0	215.0	217.0	224.0	233.0
92.5°	115.1	133.2	153.1	171.6	191.5	214.4	220.6	214.5	218.2	223.8	232.0
95°	112.1	129.3	148.0	166.0	185.7	207.2	215.3	214.2	219.5	223.8	231.2
97.5°	109.7	126.0	143.5	161.1	180.6	200.6	210.6	214.3	220.8	223.9	230.6
100°	107.8	123.1	139.6	156.9	176.1	194.8	206.9	214.9	221.9	224.0	230.2
102.5°	106.2	120.7	136.2	153.3	172.1	190.1	204.5	216.0	222.7	224.1	230.0
105°	104.7	118.4	133.2	150.3	168.5	186.6	203.9	217.9	223.2	224.0	230.0
107.5°	103.7	116.4	130.5	147.6	165.2	184.6	205.5	220.6	223.3	223.9	230.2
110°	102.6	114.8	128.5	144.0	160.7	180.0	203.3	219.9	221.4	223.5	230.7



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	101.6	113.0	126.0	140.2	156.0	174.4	193.8	207.4	207.7	212.4	222.7
115°	100.3	111.2	123.1	136.1	150.9	168.0	183.8	193.1	195.6	201.5	212.6
117.5°	98.9	108.7	119.6	131.7	145.1	160.6	173.6	179.4	183.9	191.7	203.2
120°	96.6	105.4	115.5	126.5	138.7	151.5	162.4	166.5	172.7	182.0	194.4
122.5°	93.1	101.5	110.5	120.2	130.9	141.5	149.4	155.0	162.1	172.6	186.1
125°	90.3	97.4	104.2	112.4	121.6	131.0	137.4	144.5	153.2	164.1	178.3
127.5°	87.7	94.0	99.9	105.4	111.6	119.4	126.7	134.6	144.5	156.9	171.7
130°	84.8	90.6	95.9	101.6	107.3	112.5	118.6	126.2	136.1	150.4	165.9
132.5°	81.8	86.8	92.3	97.8	102.9	108.3	114.3	122.1	132.3	145.3	160.7
135°	78.2	83.4	88.8	93.7	98.8	104.2	110.7	118.2	129.2	141.7	155.7
137.5°	75.2	80.2	85.0	89.8	94.8	100.4	106.7	115.5	125.5	137.1	151.6
140°	72.2	76.8	81.4	86.0	91.0	96.5	103.6	111.8	121.3	132.0	145.9
142.5°	69.1	73.4	77.6	82.2	87.1	92.9	99.8	107.5	115.9	126.7	138.5
145°	65.7	69.6	73.8	78.1	83.2	88.8	95.1	102.0	110.3	119.6	129.5
147.5°	61.9	65.6	69.5	73.8	78.5	83.6	89.2	95.6	102.7	110.5	118.8
150°	58.1	61.4	64.6	68.3	72.5	77.0	81.8	87.2	93.1	99.6	106.1
152.5°	54.2	57.2	60.2	63.1	65.9	68.3	72.1	76.6	81.5	86.6	91.4
155°	50.1	52.9	55.6	58.0	60.3	62.5	65.0	67.4	69.6	71.4	75.0
157.5°	45.9	48.2	50.4	52.6	54.9	57.2	59.4	61.3	63.0	64.7	66.3
160°	41.2	43.3	45.5	47.6	49.7	51.5	53.3	54.9	56.5	58.0	59.3
162.5°	36.8	38.7	40.6	42.3	44.0	45.6	47.1	48.5	49.9	51.2	52.3
165°	32.2	33.7	35.3	36.8	38.2	39.5	40.8	42.1	43.2	44.2	45.1
167.5°	27.3	28.6	29.9	31.1	32.3	33.5	34.5	35.4	36.3	37.1	37.8
170°	22.4	23.4	24.4	25.4	26.3	27.1	27.9	28.7	29.4	30.2	31.0
172.5°	17.3	18.0	18.8	19.5	20.2	21.0	21.7	22.4	23.0	23.6	24.2
175°	12.6	13.2	13.8	14.3	14.8	15.3	15.8	16.2	16.7	17.1	17.5
177.5°	8.2	8.4	8.7	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	10.7	10.8	11.0	11.1	11.2	11.3	11.4	11.5	11.5	11.6	12.7
5°	17.9	18.2	18.6	18.9	19.1	19.4	19.6	19.8	20.0	20.1	22.3
7.5°	24.7	25.3	25.8	26.3	26.8	27.3	27.7	28.1	28.4	28.7	31.9
10°	31.7	32.3	32.9	33.5	34.2	34.9	35.6	36.2	36.7	37.2	41.4
12.5°	38.6	39.4	40.2	40.9	41.5	42.3	43.3	44.2	45.0	45.8	50.9
15°	45.9	46.6	47.4	48.3	49.0	49.6	50.8	52.1	53.3	54.3	60.3
17.5°	53.2	54.1	54.8	55.7	56.5	57.2	58.2	59.9	61.4	62.9	69.7
20°	60.6	61.6	62.4	63.1	64.0	64.9	65.6	67.6	69.6	71.4	79.1
22.5°	67.7	69.1	70.0	70.8	71.6	72.5	73.3	75.2	77.6	80.0	88.4
25°	78.7	82.4	85.9	88.9	91.8	95.0	98.0	101.5	105.8	109.7	119.3
27.5°	96.3	101.2	105.9	110.3	114.4	118.7	123.4	128.1	133.9	139.3	150.6
30°	112.4	118.7	124.8	130.8	136.2	141.4	148.0	154.3	161.9	169.0	181.9
32.5°	126.9	134.8	142.5	150.0	157.2	163.9	172.0	180.4	189.7	198.7	213.3
35°	139.8	149.5	159.2	168.4	177.4	185.8	195.4	206.0	217.3	228.3	244.8
37.5°	150.8	163.0	174.6	185.9	197.3	207.1	218.1	231.3	244.7	258.0	276.3
40°	160.4	175.2	189.0	202.6	215.5	227.9	240.4	256.2	272.0	287.7	308.0
42.5°	168.5	185.7	202.4	219.0	233.5	248.1	262.6	280.7	299.2	317.3	339.7
45°	175.2	195.1	214.9	233.3	250.9	267.9	284.2	304.9	326.2	347.0	371.4
47.5°	180.3	201.6	221.7	239.9	257.3	274.3	291.5	313.1	336.9	361.2	387.4
50°	183.2	203.9	223.4	241.9	259.8	277.6	296.9	320.4	347.2	375.4	403.1
52.5°	187.8	207.3	226.2	244.3	262.2	281.1	302.1	327.5	357.3	389.7	418.9
55°	194.3	212.0	230.0	247.2	265.0	284.6	307.1	334.5	367.3	403.9	434.6
57.5°	201.4	217.9	234.7	250.6	268.2	288.1	312.0	341.4	377.1	418.1	450.3
60°	208.9	224.9	241.0	255.0	271.7	291.8	316.7	348.2	386.9	432.3	466.0
62.5°	217.0	232.9	246.9	260.0	275.6	295.5	321.4	355.0	396.6	446.6	481.6
65°	225.9	241.2	254.2	265.8	279.8	299.3	326.0	361.7	406.2	460.8	497.2
67.5°	235.4	250.0	262.3	272.1	284.4	303.3	330.5	368.4	415.8	475.0	512.8
70°	241.0	253.0	263.8	271.8	282.5	300.5	327.4	365.5	413.1	473.8	517.6
72.5°	239.9	250.6	261.1	269.0	279.1	296.9	323.9	362.5	410.5	472.6	522.4
75°	239.4	248.7	258.7	266.2	275.9	293.5	320.5	359.7	407.9	471.3	529.3
77.5°	239.3	247.2	256.4	263.6	272.8	290.3	317.4	357.1	405.5	470.1	533.8
80°	239.6	246.0	254.3	261.1	270.0	287.2	314.5	354.7	403.1	468.9	538.2
82.5°	240.2	245.2	252.3	258.6	267.2	284.4	311.8	352.5	400.9	467.7	542.7
85°	241.0	244.7	250.4	256.3	264.7	281.7	309.3	350.5	398.8	466.4	547.1
87.5°	241.9	244.3	248.7	254.1	262.2	279.3	307.0	348.7	396.8	465.2	551.6
90°	243.0	244.0	247.0	252.0	260.0	277.0	305.0	347.0	395.0	464.0	556.0
92.5°	241.9	244.3	248.7	254.1	262.2	279.3	307.0	348.7	396.8	465.2	551.6
95°	241.0	244.7	250.4	256.3	264.7	281.7	309.3	350.5	398.8	466.4	547.1
97.5°	240.2	245.2	252.3	258.6	267.2	284.4	311.8	352.5	400.9	467.7	542.7
100°	239.6	246.0	254.3	261.1	270.0	287.2	314.5	354.7	403.1	468.9	538.2
102.5°	239.3	247.2	256.4	263.6	272.8	290.3	317.4	357.1	405.5	470.1	533.8
105°	239.4	248.7	258.7	266.2	275.9	293.5	320.5	359.7	407.9	471.3	529.3
107.5°	239.9	250.6	261.1	269.0	279.1	296.9	323.9	362.5	410.5	472.6	522.4
110°	241.0	253.0	263.8	271.8	282.5	300.5	327.4	365.5	413.1	473.8	517.6



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	235.4	250.0	262.3	272.1	284.4	303.3	330.5	368.4	415.8	475.0	512.8
115°	225.9	241.2	254.2	265.8	279.8	299.3	326.0	361.7	406.2	460.8	497.2
117.5°	217.0	232.9	246.9	260.0	275.6	295.5	321.4	355.0	396.6	446.6	481.6
120°	208.9	224.9	241.0	255.0	271.7	291.8	316.7	348.2	386.9	432.3	466.0
122.5°	201.4	217.9	234.7	250.6	268.2	288.1	312.0	341.4	377.1	418.1	450.3
125°	194.3	212.0	230.0	247.2	265.0	284.6	307.1	334.5	367.3	403.9	434.6
127.5°	187.8	207.3	226.2	244.3	262.2	281.1	302.1	327.5	357.3	389.7	418.9
130°	183.2	203.9	223.4	241.9	259.8	277.6	296.9	320.4	347.2	375.4	403.1
132.5°	180.3	201.6	221.7	239.9	257.3	274.3	291.5	313.1	336.9	361.2	387.4
135°	175.2	195.1	214.9	233.3	250.9	267.9	284.2	304.9	326.2	347.0	371.4
137.5°	168.5	185.7	202.4	219.0	233.5	248.1	262.6	280.7	299.2	317.3	339.7
140°	160.4	175.2	189.0	202.6	215.5	227.9	240.4	256.2	272.0	287.7	308.0
142.5°	150.8	163.0	174.6	185.9	197.3	207.1	218.1	231.3	244.7	258.0	276.3
145°	139.8	149.5	159.2	168.4	177.4	185.8	195.4	206.0	217.3	228.3	244.8
147.5°	126.9	134.8	142.5	150.0	157.2	163.9	172.0	180.4	189.7	198.7	213.3
150°	112.4	118.7	124.8	130.8	136.2	141.4	148.0	154.3	161.9	169.0	181.9
152.5°	96.3	101.2	105.9	110.3	114.4	118.7	123.4	128.1	133.9	139.3	150.6
155°	78.7	82.4	85.9	88.9	91.8	95.0	98.0	101.5	105.8	109.7	119.3
157.5°	67.7	69.1	70.0	70.8	71.6	72.5	73.3	75.2	77.6	80.0	88.4
160°	60.6	61.6	62.4	63.1	64.0	64.9	65.6	67.6	69.6	71.4	79.1
162.5°	53.2	54.1	54.8	55.7	56.5	57.2	58.2	59.9	61.4	62.9	69.7
165°	45.9	46.6	47.4	48.3	49.0	49.6	50.8	52.1	53.3	54.3	60.3
167.5°	38.6	39.4	40.2	40.9	41.5	42.3	43.3	44.2	45.0	45.8	50.9
170°	31.7	32.3	32.9	33.5	34.2	34.9	35.6	36.2	36.7	37.2	41.4
172.5°	24.7	25.3	25.8	26.3	26.8	27.3	27.7	28.1	28.4	28.7	31.9
175°	17.9	18.2	18.6	18.9	19.1	19.4	19.6	19.8	20.0	20.1	22.3
177.5°	10.7	10.8	11.0	11.1	11.2	11.3	11.4	11.5	11.5	11.6	12.7
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	13.7	14.8	15.9	16.9	17.9	18.8	19.8	20.7	21.6	22.4	23.2
5°	24.4	26.5	28.6	30.6	32.5	34.4	36.3	38.1	39.8	41.4	43.1
7.5°	35.0	38.1	41.1	44.1	46.9	49.7	52.6	56.1	59.5	62.8	65.9
10°	45.5	49.5	53.5	57.3	61.3	66.3	71.2	75.9	80.5	84.9	89.3
12.5°	55.9	60.8	65.7	71.0	77.5	83.8	89.9	95.9	101.7	107.6	113.3
15°	66.2	72.0	78.0	85.9	93.7	101.4	108.7	115.8	122.6	129.4	136.8
17.5°	76.4	83.0	91.5	100.9	110.1	118.8	126.7	134.4	142.1	149.5	156.6
20°	86.5	94.2	105.2	115.9	126.3	134.9	143.4	151.8	160.3	168.6	176.7
22.5°	96.6	106.4	118.8	131.0	140.9	150.0	159.0	168.6	178.1	187.2	196.0
25°	128.4	139.7	152.0	162.9	170.7	177.9	185.2	192.3	198.6	204.0	213.0
27.5°	161.2	174.5	187.8	198.1	206.5	214.3	221.9	228.7	234.1	239.1	243.8
30°	194.2	209.1	223.7	233.1	242.7	249.9	257.3	262.9	267.9	272.7	277.3
32.5°	227.6	243.6	257.7	267.8	276.8	284.4	290.6	295.5	300.3	304.8	311.4
35°	261.0	277.9	291.7	302.3	310.6	318.3	322.5	326.8	331.2	336.6	345.5
37.5°	294.3	312.1	325.5	336.5	343.5	349.3	353.1	356.9	361.2	369.0	378.4
40°	327.5	346.1	359.1	369.2	375.6	379.6	382.6	385.7	391.3	399.4	412.6
42.5°	360.5	379.7	392.5	401.3	406.7	408.9	411.1	413.4	420.5	430.8	445.0
45°	393.5	412.6	425.7	432.7	436.2	437.2	438.5	441.8	448.1	461.6	477.5
47.5°	413.4	437.1	455.4	465.6	471.6	473.8	473.5	472.7	477.2	491.8	509.3
50°	433.3	461.8	485.2	501.1	514.0	524.7	533.9	544.4	553.8	559.9	563.1
52.5°	453.6	487.3	516.0	538.7	559.6	580.3	601.6	623.5	643.0	653.9	655.6
55°	474.5	513.7	548.3	578.5	608.3	640.1	675.1	709.0	736.5	749.8	739.9
57.5°	495.7	540.9	582.0	620.6	660.2	703.8	753.9	799.1	830.5	839.3	816.7
60°	517.2	568.7	616.9	664.7	715.8	771.7	837.3	893.3	925.7	918.8	889.8
62.5°	539.0	597.1	652.8	710.5	774.0	845.1	924.4	991.2	1022.2	992.8	958.6
65°	561.0	625.9	689.6	757.8	834.3	921.4	1013.5	1086.7	1118.7	1061.7	1023.3
67.5°	583.2	655.1	727.1	806.4	896.4	1000.2	1104.7	1180.2	1195.1	1128.8	1084.6
70°	587.8	661.7	738.2	823.9	922.7	1039.2	1155.0	1239.5	1250.2	1192.0	1144.9
72.5°	591.4	666.1	745.0	833.0	933.5	1051.1	1161.9	1241.6	1248.3	1209.0	1171.4
75°	594.5	670.2	751.4	841.3	942.9	1060.7	1165.8	1244.0	1253.6	1230.1	1193.9
77.5°	597.3	673.7	757.3	848.7	950.9	1068.0	1167.1	1246.2	1264.9	1254.6	1216.3
80°	601.5	676.9	762.7	855.2	957.5	1073.1	1165.9	1248.1	1280.7	1281.8	1239.0
82.5°	602.7	681.6	770.6	860.7	962.8	1076.3	1162.5	1249.4	1299.9	1311.1	1262.2
85°	603.8	682.8	773.0	867.2	969.2	1080.6	1159.7	1253.0	1320.9	1341.8	1286.3
87.5°	604.9	683.9	775.5	869.6	970.1	1077.8	1150.9	1249.5	1343.4	1373.3	1310.7
90°	606.0	685.0	778.0	872.0	971.0	1075.0	1142.0	1246.0	1363.0	1404.0	1338.0
92.5°	604.9	683.9	775.5	869.6	970.1	1077.8	1150.9	1249.5	1343.4	1373.3	1310.7
95°	603.8	682.8	773.0	867.2	969.2	1080.6	1159.7	1253.0	1320.9	1341.8	1286.3
97.5°	602.7	681.6	770.6	860.7	962.8	1076.3	1162.5	1249.4	1299.9	1311.1	1262.2
100°	601.5	676.9	762.7	855.2	957.5	1073.1	1165.9	1248.1	1280.7	1281.8	1239.0
102.5°	597.3	673.7	757.3	848.7	950.9	1068.0	1167.1	1246.2	1264.9	1254.6	1216.3
105°	594.5	670.2	751.4	841.3	942.9	1060.7	1165.8	1244.0	1253.6	1230.1	1193.9
107.5°	591.4	666.1	745.0	833.0	933.5	1051.1	1161.9	1241.6	1248.3	1209.0	1171.4
110°	587.8	661.7	738.2	823.9	922.7	1039.2	1155.0	1239.5	1250.2	1192.0	1144.9



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	583.2	655.1	727.1	806.4	896.4	1000.2	1104.7	1180.2	1195.1	1128.8	1084.6
115°	561.0	625.9	689.6	757.8	834.3	921.4	1013.5	1086.7	1118.7	1061.7	1023.3
117.5°	539.0	597.1	652.8	710.5	774.0	845.1	924.4	991.2	1022.2	992.8	958.6
120°	517.2	568.7	616.9	664.7	715.8	771.7	837.3	893.3	925.7	918.8	889.8
122.5°	495.7	540.9	582.0	620.6	660.2	703.8	753.9	799.1	830.5	839.3	816.7
125°	474.5	513.7	548.3	578.5	608.3	640.1	675.1	709.0	736.5	749.8	739.9
127.5°	453.6	487.3	516.0	538.7	559.6	580.3	601.6	623.5	643.0	653.9	655.6
130°	433.3	461.8	485.2	501.1	514.0	524.7	533.9	544.4	553.8	559.9	563.1
132.5°	413.4	437.1	455.4	465.6	471.6	473.8	473.5	472.7	477.2	491.8	509.3
135°	393.5	412.6	425.7	432.7	436.2	437.2	438.5	441.8	448.1	461.6	477.5
137.5°	360.5	379.7	392.5	401.3	406.7	408.9	411.1	413.4	420.5	430.8	445.0
140°	327.5	346.1	359.1	369.2	375.6	379.6	382.6	385.7	391.3	399.4	412.6
142.5°	294.3	312.1	325.5	336.5	343.5	349.3	353.1	356.9	361.2	369.0	378.4
145°	261.0	277.9	291.7	302.3	310.6	318.3	322.5	326.8	331.2	336.6	345.5
147.5°	227.6	243.6	257.7	267.8	276.8	284.4	290.6	295.5	300.3	304.8	311.4
150°	194.2	209.1	223.7	233.1	242.7	249.9	257.3	262.9	267.9	272.7	277.3
152.5°	161.2	174.5	187.8	198.1	206.5	214.3	221.9	228.7	234.1	239.1	243.8
155°	128.4	139.7	152.0	162.9	170.7	177.9	185.2	192.3	198.6	204.0	213.0
157.5°	96.6	106.4	118.8	131.0	140.9	150.0	159.0	168.6	178.1	187.2	196.0
160°	86.5	94.2	105.2	115.9	126.3	134.9	143.4	151.8	160.3	168.6	176.7
162.5°	76.4	83.0	91.5	100.9	110.1	118.8	126.7	134.4	142.1	149.5	156.6
165°	66.2	72.0	78.0	85.9	93.7	101.4	108.7	115.8	122.6	129.4	136.8
167.5°	55.9	60.8	65.7	71.0	77.5	83.8	89.9	95.9	101.7	107.6	113.3
170°	45.5	49.5	53.5	57.3	61.3	66.3	71.2	75.9	80.5	84.9	89.3
172.5°	35.0	38.1	41.1	44.1	46.9	49.7	52.6	56.1	59.5	62.8	65.9
175°	24.4	26.5	28.6	30.6	32.5	34.4	36.3	38.1	39.8	41.4	43.1
177.5°	13.7	14.8	15.9	16.9	17.9	18.8	19.8	20.7	21.6	22.4	23.2
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	24.0	24.7	25.4	26.0	26.7	27.2	27.7	28.2	28.6	29.0	29.3
5°	45.0	46.9	48.7	50.4	52.0	53.5	54.9	56.1	57.3	58.3	59.2
7.5°	68.9	71.8	74.5	77.1	79.6	82.5	85.2	87.7	90.1	92.3	94.3
10°	93.7	98.1	102.4	106.6	110.5	114.3	118.0	121.1	123.7	126.1	128.2
12.5°	118.9	124.3	129.5	133.9	138.1	142.1	145.9	149.4	152.7	156.5	160.5
15°	142.0	147.8	153.3	158.6	163.9	169.9	175.7	181.4	186.9	192.1	196.9
17.5°	163.5	171.0	177.5	184.7	191.8	198.8	205.1	210.9	216.5	221.8	226.8
20°	184.9	193.0	201.1	208.9	216.1	223.2	230.0	236.8	243.6	249.9	255.6
22.5°	204.7	213.3	221.6	229.7	237.9	247.0	255.8	264.0	271.3	276.8	281.2
25°	222.1	231.0	240.9	251.3	262.4	272.9	282.9	291.5	298.7	305.1	311.2
27.5°	248.2	253.9	262.6	275.6	289.5	302.4	315.1	324.5	334.0	342.0	348.4
30°	284.1	292.7	301.9	313.5	324.7	337.5	351.5	363.7	373.5	381.9	389.7
32.5°	320.3	330.7	343.3	355.9	369.4	382.2	393.6	404.3	415.3	425.7	435.1
35°	356.0	369.4	383.3	398.2	412.5	425.7	438.0	449.4	460.0	472.1	486.3
37.5°	392.3	407.0	423.1	438.9	454.2	468.5	481.7	495.0	509.5	524.9	541.7
40°	427.2	444.3	461.6	479.0	495.1	510.2	526.6	543.4	562.7	584.2	608.2
42.5°	462.3	480.5	500.0	518.0	534.7	553.6	572.5	595.6	621.3	652.4	685.9
45°	495.9	517.0	537.1	555.4	576.0	597.0	621.8	649.4	686.2	725.6	770.6
47.5°	530.3	552.9	572.6	594.0	616.9	642.2	671.7	710.5	755.1	803.8	866.4
50°	567.6	586.5	607.8	632.5	657.8	686.3	726.3	773.4	827.7	898.1	972.6
52.5°	653.1	653.0	659.2	669.6	697.1	735.1	781.9	838.0	914.1	996.6	1084.6
55°	731.2	727.8	732.1	736.7	755.0	785.0	836.6	915.3	1002.7	1096.7	1209.7
57.5°	803.5	797.4	795.5	799.5	821.2	858.6	916.5	994.1	1091.3	1206.5	1331.8
60°	871.1	861.0	853.1	861.6	886.9	928.9	1000.7	1087.5	1190.6	1308.9	1443.3
62.5°	935.5	918.7	906.3	917.1	948.0	1003.9	1080.6	1173.9	1290.8	1417.4	1562.3
65°	995.3	971.2	960.7	972.8	1006.3	1068.7	1152.8	1260.4	1385.3	1526.7	1696.9
67.5°	1051.1	1018.9	1010.0	1025.3	1065.9	1131.8	1220.8	1335.8	1472.0	1644.1	1834.9
70°	1103.2	1064.0	1054.7	1072.8	1117.3	1187.6	1285.8	1410.4	1565.1	1752.2	1956.6
72.5°	1132.9	1103.8	1099.4	1118.9	1162.5	1238.4	1340.5	1476.1	1655.7	1843.8	2031.9
75°	1156.2	1135.5	1138.3	1163.7	1212.3	1288.1	1394.6	1538.3	1735.2	1912.4	2097.9
77.5°	1181.8	1168.2	1176.6	1205.9	1258.9	1339.5	1451.5	1606.0	1791.5	1966.9	2147.8
80°	1209.3	1201.6	1214.0	1245.7	1301.5	1384.1	1498.4	1657.9	1836.6	2018.7	2203.9
82.5°	1238.4	1235.6	1250.8	1283.3	1340.2	1422.5	1536.1	1695.3	1871.6	2059.7	2248.8
85°	1268.8	1269.9	1286.8	1319.1	1375.7	1455.5	1565.8	1719.6	1896.4	2089.3	2281.7
87.5°	1300.0	1304.6	1322.6	1353.8	1409.2	1485.4	1590.9	1736.7	1915.9	2113.4	2308.6
90°	1332.0	1339.0	1357.0	1386.0	1438.0	1508.0	1605.0	1737.0	1915.0	2113.0	2309.0
92.5°	1300.0	1304.6	1322.6	1353.8	1409.2	1485.4	1590.9	1736.7	1915.9	2113.4	2308.6
95°	1268.8	1269.9	1286.8	1319.1	1375.7	1455.5	1565.8	1719.6	1896.4	2089.3	2281.7
97.5°	1238.4	1235.6	1250.8	1283.3	1340.2	1422.5	1536.1	1695.3	1871.6	2059.7	2248.8
100°	1209.3	1201.6	1214.0	1245.7	1301.5	1384.1	1498.4	1657.9	1836.6	2018.7	2203.9
102.5°	1181.8	1168.2	1176.6	1205.9	1258.9	1339.5	1451.5	1606.0	1791.5	1966.9	2147.8
105°	1156.2	1135.5	1138.3	1163.7	1212.3	1288.1	1394.6	1538.3	1735.2	1912.4	2097.9
107.5°	1132.9	1103.8	1099.4	1118.9	1162.5	1238.4	1340.5	1476.1	1655.7	1843.8	2031.9
110°	1103.2	1064.0	1054.7	1072.8	1117.3	1187.6	1285.8	1410.4	1565.1	1752.2	1956.6



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1051.1	1018.9	1010.0	1025.3	1065.9	1131.8	1220.8	1335.8	1472.0	1644.1	1834.9
115°	995.3	971.2	960.7	972.8	1006.3	1068.7	1152.8	1260.4	1385.3	1526.7	1696.9
117.5°	935.5	918.7	906.3	917.1	948.0	1003.9	1080.6	1173.9	1290.8	1417.4	1562.3
120°	871.1	861.0	853.1	861.6	886.9	928.9	1000.7	1087.5	1190.6	1308.9	1443.3
122.5°	803.5	797.4	795.5	799.5	821.2	858.6	916.5	994.1	1091.3	1206.5	1331.8
125°	731.2	727.8	732.1	736.7	755.0	785.0	836.6	915.3	1002.7	1096.7	1209.7
127.5°	653.1	653.0	659.2	669.6	697.1	735.1	781.9	838.0	914.1	996.6	1084.6
130°	567.6	586.5	607.8	632.5	657.8	686.3	726.3	773.4	827.7	898.1	972.6
132.5°	530.3	552.9	572.6	594.0	616.9	642.2	671.7	710.5	755.1	803.8	866.4
135°	495.9	517.0	537.1	555.4	576.0	597.0	621.8	649.4	686.2	725.6	770.6
137.5°	462.3	480.5	500.0	518.0	534.7	553.6	572.5	595.6	621.3	652.4	685.9
140°	427.2	444.3	461.6	479.0	495.1	510.2	526.6	543.4	562.7	584.2	608.2
142.5°	392.3	407.0	423.1	438.9	454.2	468.5	481.7	495.0	509.5	524.9	541.7
145°	356.0	369.4	383.3	398.2	412.5	425.7	438.0	449.4	460.0	472.1	486.3
147.5°	320.3	330.7	343.3	355.9	369.4	382.2	393.6	404.3	415.3	425.7	435.1
150°	284.1	292.7	301.9	313.5	324.7	337.5	351.5	363.7	373.5	381.9	389.7
152.5°	248.2	253.9	262.6	275.6	289.5	302.4	315.1	324.5	334.0	342.0	348.4
155°	222.1	231.1	240.9	251.3	262.4	272.9	282.9	291.5	298.7	305.1	311.2
157.5°	204.7	213.3	221.6	229.7	237.9	247.0	255.8	264.0	271.3	276.8	281.2
160°	184.9	193.0	201.1	208.9	216.1	223.2	230.0	236.8	243.6	249.9	255.6
162.5°	163.5	171.0	177.5	184.7	191.8	198.8	205.1	210.9	216.5	221.8	226.8
165°	142.0	147.8	153.3	158.6	163.9	169.9	175.7	181.4	186.9	192.1	196.9
167.5°	118.9	124.3	129.5	133.9	138.1	142.1	145.9	149.4	152.7	156.5	160.5
170°	93.7	98.1	102.4	106.6	110.5	114.3	118.0	121.1	123.7	126.1	128.2
172.5°	68.9	71.8	74.5	77.1	79.6	82.5	85.2	87.7	90.1	92.3	94.3
175°	45.0	46.9	48.7	50.4	52.0	53.5	54.9	56.1	57.3	58.3	59.2
177.5°	24.0	24.7	25.4	26.0	26.7	27.2	27.7	28.2	28.6	29.0	29.3
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	29.6	29.8	30.0	30.1	30.2	30.2	31.1	30.8	30.4	30.1	29.7
5°	60.0	60.7	61.3	61.7	62.0	62.2	62.3	62.2	62.9	62.2	61.5
7.5°	96.2	97.8	99.3	100.5	101.6	102.4	103.0	103.4	103.6	104.6	103.8
10°	130.2	131.9	133.4	134.7	135.7	136.5	137.0	137.3	137.4	138.3	137.2
12.5°	164.2	167.6	170.8	173.6	176.2	178.4	180.2	181.7	182.8	183.5	184.7
15°	200.8	204.4	207.8	210.9	213.6	216.0	218.0	219.7	221.0	221.9	223.2
17.5°	231.6	235.7	239.4	242.6	245.4	247.7	249.5	250.8	251.7	252.2	253.0
20°	260.8	264.6	266.6	267.8	268.3	268.1	267.3	266.0	264.2	262.0	259.7
22.5°	284.5	286.7	288.9	290.7	291.5	291.5	290.5	288.8	286.4	283.3	280.4
25°	316.0	319.6	321.8	323.5	324.2	323.8	322.5	320.2	317.0	313.1	308.4
27.5°	353.6	357.4	359.9	362.5	365.2	367.0	367.6	367.2	365.6	362.9	359.1
30°	396.1	402.6	408.1	412.6	420.5	427.5	433.4	438.1	441.3	443.0	443.0
32.5°	444.7	456.7	468.3	479.3	491.2	502.8	512.8	521.0	527.4	531.7	533.9
35°	500.6	518.1	536.0	552.7	569.4	589.7	607.8	623.6	636.7	647.0	654.1
37.5°	563.7	586.7	615.4	642.7	668.5	695.6	720.5	742.5	761.1	776.2	787.3
40°	638.0	670.5	707.1	743.5	777.8	814.6	853.4	888.2	918.6	944.1	964.2
42.5°	724.5	763.7	808.5	862.1	913.4	962.6	1011.0	1054.1	1091.5	1122.8	1147.6
45°	818.5	876.9	932.2	997.0	1060.6	1126.2	1184.9	1242.8	1291.1	1329.8	1358.8
47.5°	932.2	1002.4	1072.2	1149.3	1239.7	1320.9	1396.8	1465.7	1523.9	1571.0	1606.5
50°	1053.5	1138.6	1241.2	1341.9	1447.5	1543.5	1635.1	1729.1	1810.5	1878.1	1930.8
52.5°	1188.2	1300.5	1419.0	1538.7	1672.8	1806.0	1922.6	2017.9	2107.3	2188.3	2257.7
55°	1330.2	1458.8	1598.3	1756.7	1908.8	2039.6	2157.7	2264.7	2361.7	2448.5	2523.5
57.5°	1465.2	1621.0	1791.1	1956.4	2117.0	2238.2	2358.5	2468.2	2563.6	2652.6	2732.9
60°	1604.1	1782.8	1970.7	2136.9	2283.5	2407.0	2513.2	2618.6	2716.4	2805.4	2884.6
62.5°	1736.9	1947.7	2128.7	2291.2	2415.3	2533.9	2640.5	2741.1	2842.5	2934.8	3016.1
65°	1897.2	2085.6	2258.3	2392.7	2520.6	2641.2	2752.7	2858.3	2959.3	3052.7	3133.4
67.5°	2030.8	2208.7	2343.6	2479.1	2611.0	2733.9	2852.4	2964.8	3069.4	3163.7	3243.7
70°	2132.9	2291.6	2430.7	2559.0	2684.6	2814.4	2940.1	3057.8	3170.2	3264.8	3336.2
72.5°	2210.6	2367.6	2506.6	2630.5	2755.1	2881.3	3009.9	3131.7	3253.2	3366.5	3430.8
75°	2273.7	2427.5	2561.5	2689.2	2820.4	2942.6	3058.6	3188.8	3322.0	3441.5	3509.5
77.5°	2326.4	2476.9	2600.8	2736.8	2869.4	2993.3	3111.3	3231.3	3365.2	3481.5	3562.8
80°	2368.9	2505.0	2630.2	2770.0	2905.1	3034.3	3157.5	3282.0	3397.0	3512.2	3592.5
82.5°	2399.7	2530.1	2662.9	2797.5	2927.5	3055.2	3190.5	3324.4	3446.2	3554.5	3611.1
85°	2415.3	2546.5	2682.9	2815.7	2951.2	3083.4	3215.8	3349.1	3481.7	3575.4	3597.1
87.5°	2422.2	2553.2	2689.5	2818.6	2962.8	3099.2	3225.1	3358.2	3493.9	3598.7	3636.5
90°	2410.0	2549.0	2683.0	2807.1	2959.1	3097.1	3210.1	3341.1	3471.1	3606.1	3654.1
92.5°	2422.2	2553.2	2689.5	2818.6	2962.8	3099.2	3225.1	3358.2	3493.9	3598.7	3636.5
95°	2415.3	2546.5	2682.9	2815.7	2951.2	3083.4	3215.8	3349.1	3481.7	3575.4	3597.1
97.5°	2399.7	2530.1	2662.9	2797.5	2927.5	3055.2	3190.5	3324.4	3446.2	3554.5	3611.1
100°	2368.9	2505.0	2630.2	2770.0	2905.1	3034.3	3157.5	3282.0	3397.0	3512.2	3592.5
102.5°	2326.4	2476.9	2600.8	2736.8	2869.4	2993.3	3111.3	3231.3	3365.2	3481.5	3562.8
105°	2273.7	2427.5	2561.5	2689.2	2820.4	2942.6	3058.6	3188.8	3322.0	3441.5	3509.5
107.5°	2210.6	2367.6	2506.6	2630.5	2755.1	2881.3	3009.9	3131.7	3253.2	3366.5	3430.8
110°	2132.9	2291.6	2430.7	2559.0	2684.6	2814.4	2940.1	3057.8	3170.2	3264.8	3336.2



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	2030.8	2208.7	2343.6	2479.1	2611.0	2733.9	2852.4	2964.8	3069.4	3163.7	3243.7
115°	1897.2	2085.6	2258.3	2392.7	2520.6	2641.2	2752.7	2858.3	2959.3	3052.7	3133.4
117.5°	1736.9	1947.7	2128.7	2291.2	2415.3	2533.9	2640.5	2741.1	2842.5	2934.8	3016.1
120°	1604.1	1782.8	1970.7	2136.9	2283.5	2407.0	2513.2	2618.6	2716.4	2805.4	2884.6
122.5°	1465.2	1621.0	1791.1	1956.4	2117.0	2238.2	2358.5	2468.2	2563.6	2652.6	2732.9
125°	1330.2	1458.8	1598.3	1756.7	1908.8	2039.6	2157.7	2264.7	2361.7	2448.5	2523.5
127.5°	1188.2	1300.5	1419.0	1538.7	1672.8	1806.0	1922.6	2017.9	2107.3	2188.3	2257.7
130°	1053.5	1138.6	1241.2	1341.9	1447.5	1543.5	1635.1	1729.1	1810.5	1878.1	1930.8
132.5°	932.2	1002.4	1072.2	1149.3	1239.7	1320.9	1396.8	1465.7	1523.9	1571.0	1606.5
135°	818.5	876.9	932.2	997.0	1060.6	1126.2	1184.9	1242.8	1291.1	1329.8	1358.8
137.5°	724.5	763.7	808.5	862.1	913.4	962.6	1011.0	1054.1	1091.5	1122.8	1147.6
140°	638.0	670.5	707.1	743.5	777.8	814.6	853.4	888.2	918.6	944.1	964.2
142.5°	563.7	586.7	615.4	642.7	668.5	695.6	720.5	742.5	761.1	776.2	787.3
145°	500.6	518.1	536.0	552.7	569.4	589.7	607.8	623.6	636.7	647.0	654.1
147.5°	444.7	456.7	468.3	479.3	491.2	502.8	512.8	521.0	527.4	531.7	533.9
150°	396.1	402.6	408.1	412.6	420.5	427.5	433.4	438.1	441.3	443.0	443.0
152.5°	353.6	357.4	359.9	362.5	365.2	367.0	367.6	367.2	365.6	362.9	359.1
155°	316.0	319.6	321.8	323.5	324.2	323.8	322.5	320.2	317.0	313.1	308.4
157.5°	284.5	286.7	288.9	290.7	291.5	291.5	290.5	288.8	286.4	283.3	280.4
160°	260.8	264.6	266.6	267.8	268.3	268.1	267.3	266.0	264.2	262.0	259.7
162.5°	231.6	235.7	239.4	242.6	245.4	247.7	249.5	250.8	251.7	252.2	253.0
165°	200.8	204.4	207.8	210.9	213.6	216.0	218.0	219.7	221.0	221.9	223.2
167.5°	164.2	167.6	170.8	173.6	176.2	178.4	180.2	181.7	182.8	183.5	184.7
170°	130.2	131.9	133.4	134.7	135.7	136.5	137.0	137.3	137.4	138.3	137.2
172.5°	96.2	97.8	99.3	100.5	101.6	102.4	103.0	103.4	103.6	104.6	103.8
175°	60.0	60.7	61.3	61.7	62.0	62.2	62.3	62.2	62.9	62.2	61.5
177.5°	29.6	29.8	30.0	30.1	30.2	30.2	31.1	30.8	30.4	30.1	29.7
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3.0	3.0
2.5°	29.4	29.0
5°	60.7	60.0
7.5°	102.9	102.0
10°	136.1	135.0
12.5°	183.8	183.0
15°	222.6	222.0
17.5°	252.0	251.0
20°	256.9	254.0
22.5°	275.7	271.0
25°	303.3	297.0
27.5°	354.7	348.0
30°	442.1	437.0
32.5°	535.0	531.0
35°	659.8	658.0
37.5°	796.7	797.0
40°	981.7	986.0
42.5°	1169.2	1176.0
45°	1382.8	1388.0
47.5°	1636.3	1642.0
50°	1976.3	1987.0
52.5°	2322.5	2350.0
55°	2593.1	2630.0
57.5°	2809.7	2858.1
60°	2959.3	3011.1
62.5°	3086.3	3145.1
65°	3201.6	3258.1
67.5°	3309.8	3363.1
70°	3391.2	3433.1
72.5°	3469.8	3491.1
75°	3533.8	3544.1
77.5°	3578.3	3584.1
80°	3614.6	3606.1
82.5°	3644.2	3640.1
85°	3654.1	3699.1
87.5°	3629.1	3690.1
90°	3637.1	3634.1
92.5°	3629.1	3690.1
95°	3654.1	3699.1
97.5°	3644.2	3640.1
100°	3614.6	3606.1
102.5°	3578.3	3584.1
105°	3533.8	3544.1
107.5°	3469.8	3491.1
110°	3391.2	3433.1



TEST NUMBER: P232014

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	3309.8	3363.1
115°	3201.6	3258.1
117.5°	3086.3	3145.1
120°	2959.3	3011.1
122.5°	2809.7	2858.1
125°	2593.1	2630.0
127.5°	2322.5	2350.0
130°	1976.3	1987.0
132.5°	1636.3	1642.0
135°	1382.8	1388.0
137.5°	1169.2	1176.0
140°	981.7	986.0
142.5°	796.7	797.0
145°	659.8	658.0
147.5°	535.0	531.0
150°	442.1	437.0
152.5°	354.7	348.0
155°	303.3	297.0
157.5°	275.7	271.0
160°	256.9	254.0
162.5°	252.0	251.0
165°	222.6	222.0
167.5°	183.8	183.0
170°	136.1	135.0
172.5°	102.9	102.0
175°	60.7	60.0
177.5°	29.4	29.0
180°	3.0	3.0

(END OF REPORT)