

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: P232015

Luminaire Tested: **FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232015  
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-LD4-50-2HI-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
4FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

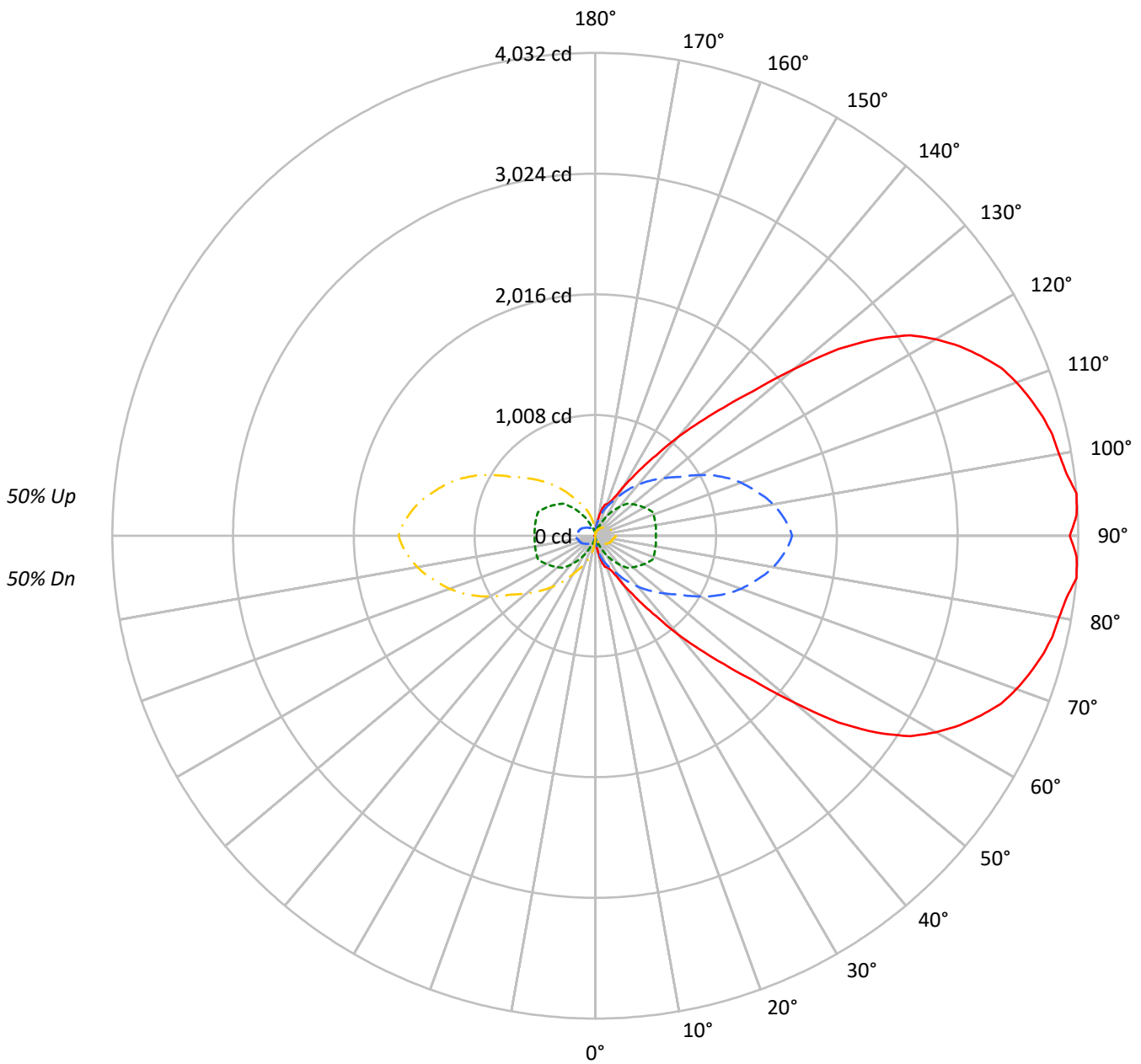
Lumens per Lamp: N/A  
Luminaire Lumens: 9178.0 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Spacing Criteria (0/90/45): 21.23 / 13.37 / 14.41  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

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°	50	50	50	50
5°	867	330	29	330
10°	1749	615	26	615
15°	2622	908	24	908
20°	2777	1219	22	1219
25°	3043	1922	21	1922
30°	4244	3074	20	3074
35°	6117	4349	19	4349
40°	8856	5795	18	5795
45°	12148	7481	26	7481
50°	17083	8776	26	8776
55°	22386	10396	26	10396
60°	25569	12489	26	12489
65°	27813	15292	34	15292
70°	29691	18643	35	18643
75°	31299	22986	36	22986
80°	32788	30368	0	30368
85°	34933	45486	0	45486



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.0
10°-20°	30.3	0.3
20°-30°	80.2	0.9
30°-40°	184.7	2.0
40°-50°	363.8	4.0
50°-60°	645.4	7.0
60°-70°	931.1	10.1
70°-80°	1126.0	12.3
80°-90°	1223.2	13.3
90°-100°	1223.2	13.3
100°-110°	1126.0	12.3
110°-120°	931.1	10.1
120°-130°	645.4	7.0
130°-140°	363.8	4.0
140°-150°	184.7	2.0
150°-160°	80.2	0.9
160°-170°	30.3	0.3
170°-180°	4.3	0.0
0°-30°	114.8	1.3
0°-40°	299.5	3.3
0°-60°	1308.7	14.3
0°-90°	4589.0	50.0
90°-120°	3280.3	35.7
90°-150°	4474.2	48.7
90°-180°	4589.0	50.0
0°-180°	9178.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3	3	3	3	3	
5°	65	22	2	22	65	9
15°	242	59	2	59	242	68
25°	324	120	2	120	324	162
35°	717	249	2	249	717	469
45°	1513	378	3	378	1513	1213
55°	2867	440	3	440	2867	2537
65°	3551	502	4	502	3551	3516
75°	3863	514	4	514	3863	4077
85°	4032	508	0	508	4032	3261
90°	3961	506	0	506	3961	2188
95°	4032	508	0	508	4032	3261
105°	3863	514	4	514	3863	4077
115°	3551	502	4	502	3551	3516
125°	2867	440	3	440	2867	2537
135°	1513	378	3	378	1513	1213
145°	717	249	2	249	717	469
155°	324	120	2	120	324	162
165°	242	59	2	59	242	68
175°	65	22	2	22	65	9
180°	3	3	3	3	3	



TEST NUMBER: P232015

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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	31.6	32.0	32.4	32.8	33.1	33.5	33.9	33.0	32.9	32.8	32.7
5°	65.4	66.2	67.0	67.8	68.6	67.8	67.9	67.8	67.6	67.3	66.8
7.5°	111.2	112.2	113.1	114.1	113.0	112.8	112.3	111.6	110.7	109.6	108.2
10°	147.2	148.4	149.6	150.8	149.8	149.7	149.4	148.8	148.0	146.8	145.5
12.5°	199.5	200.4	201.3	200.0	199.3	198.1	196.5	194.4	192.0	189.3	186.2
15°	242.0	242.7	243.4	241.9	240.9	239.5	237.7	235.4	232.8	229.9	226.5
17.5°	273.6	274.7	275.8	274.9	274.4	273.4	271.9	270.0	267.5	264.5	261.0
20°	276.9	280.0	283.2	285.6	288.0	289.9	291.4	292.2	292.4	291.9	290.6
22.5°	295.4	300.5	305.6	308.8	312.2	314.8	316.7	317.7	317.8	316.9	315.0
25°	323.7	330.5	336.1	341.2	345.6	349.0	351.5	352.9	353.4	352.7	350.8
27.5°	379.3	386.6	391.4	395.6	398.5	400.2	400.7	400.0	398.1	395.1	392.3
30°	476.3	481.9	482.8	482.9	481.0	477.5	472.4	466.0	458.4	449.7	444.8
32.5°	578.8	583.1	581.9	579.6	574.9	567.9	558.9	548.0	535.4	522.4	510.4
35°	717.2	719.2	713.0	705.2	694.0	679.7	662.5	642.7	620.7	602.5	584.2
37.5°	868.7	868.3	858.2	846.0	829.6	809.3	785.4	758.2	728.7	700.6	670.8
40°	1074.7	1070.0	1051.0	1029.1	1001.3	968.1	930.1	887.9	847.8	810.5	770.8
42.5°	1281.8	1274.4	1250.8	1223.8	1189.7	1148.9	1101.9	1049.2	995.6	939.7	881.3
45°	1512.9	1507.2	1481.0	1449.5	1407.3	1354.7	1291.6	1227.5	1156.0	1086.7	1016.1
47.5°	1789.8	1783.6	1751.1	1712.4	1661.1	1597.6	1522.5	1439.8	1351.2	1252.7	1168.6
50°	2165.8	2154.1	2104.6	2047.2	1973.5	1884.7	1782.3	1682.4	1577.8	1462.7	1352.9
52.5°	2561.5	2531.6	2460.9	2385.2	2297.0	2199.5	2095.6	1968.5	1823.4	1677.2	1546.7
55°	2866.7	2826.5	2750.6	2668.9	2574.2	2468.6	2351.9	2223.1	2080.6	1914.8	1742.1
57.5°	3115.2	3062.5	2978.7	2891.3	2794.3	2690.3	2570.8	2439.6	2307.5	2132.5	1952.3
60°	3282.0	3225.5	3144.2	3057.8	2960.8	2854.2	2739.4	2623.6	2489.0	2329.2	2148.0
62.5°	3428.1	3364.0	3287.5	3198.8	3098.2	2987.7	2878.1	2762.0	2632.6	2497.5	2320.3
65°	3551.2	3489.6	3415.3	3327.4	3225.5	3115.4	3000.3	2878.9	2747.5	2608.0	2461.5
67.5°	3665.7	3607.6	3535.5	3448.3	3345.6	3231.5	3109.0	2979.8	2846.0	2702.2	2554.5
70°	3742.0	3696.3	3636.4	3558.5	3455.4	3332.9	3204.7	3067.6	2926.1	2789.3	2649.4
72.5°	3805.2	3782.0	3739.4	3669.4	3545.9	3413.4	3280.7	3140.6	3002.9	2867.1	2732.2
75°	3863.0	3851.8	3825.3	3751.1	3620.9	3475.7	3333.8	3207.3	3074.2	2931.2	2792.1
77.5°	3906.6	3900.2	3883.4	3794.7	3667.9	3522.0	3391.2	3262.6	3127.5	2983.1	2834.9
80°	3930.5	3939.8	3915.7	3828.1	3702.6	3577.2	3441.6	3307.2	3166.5	3019.2	2866.9
82.5°	3967.6	3972.1	3936.0	3874.3	3756.2	3623.4	3477.5	3330.0	3190.8	3049.2	2902.5
85°	4031.9	3982.9	3920.7	3897.1	3795.0	3650.4	3505.2	3360.7	3216.7	3069.0	2924.3
87.5°	4022.1	3955.6	3963.7	3922.6	3808.3	3660.4	3515.3	3377.9	3229.3	3072.1	2931.6
90°	3961.1	3964.3	3982.9	3930.5	3783.4	3641.7	3498.9	3375.7	3225.3	3059.6	2924.5
92.5°	4022.1	3955.6	3963.7	3922.6	3808.3	3660.4	3515.3	3377.9	3229.3	3072.1	2931.6
95°	4031.9	3982.9	3920.7	3897.1	3795.0	3650.4	3505.2	3360.7	3216.7	3069.0	2924.3
97.5°	3967.6	3972.1	3936.0	3874.3	3756.2	3623.4	3477.5	3330.0	3190.8	3049.2	2902.5
100°	3930.5	3939.8	3915.7	3828.1	3702.6	3577.2	3441.6	3307.2	3166.5	3019.2	2866.9
102.5°	3906.6	3900.2	3883.4	3794.7	3667.9	3522.0	3391.2	3262.6	3127.5	2983.1	2834.9
105°	3863.0	3851.8	3825.3	3751.1	3620.9	3475.7	3333.8	3207.3	3074.2	2931.2	2792.1
107.5°	3805.2	3782.0	3739.4	3669.4	3545.9	3413.4	3280.7	3140.6	3002.9	2867.1	2732.2
110°	3742.0	3696.3	3636.4	3558.5	3455.4	3332.9	3204.7	3067.6	2926.1	2789.3	2649.4



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**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	3665.7	3607.6	3535.5	3448.3	3345.6	3231.5	3109.0	2979.8	2846.0	2702.2	2554.5
115°	3551.2	3489.6	3415.3	3327.4	3225.5	3115.4	3000.3	2878.9	2747.5	2608.0	2461.5
117.5°	3428.1	3364.0	3287.5	3198.8	3098.2	2987.7	2878.1	2762.0	2632.6	2497.5	2320.3
120°	3282.0	3225.5	3144.2	3057.8	2960.8	2854.2	2739.4	2623.6	2489.0	2329.2	2148.0
122.5°	3115.2	3062.5	2978.7	2891.3	2794.3	2690.3	2570.8	2439.6	2307.5	2132.5	1952.3
125°	2866.7	2826.5	2750.6	2668.9	2574.2	2468.6	2351.9	2223.1	2080.6	1914.8	1742.1
127.5°	2561.5	2531.6	2460.9	2385.2	2297.0	2199.5	2095.6	1968.5	1823.4	1677.2	1546.7
130°	2165.8	2154.1	2104.6	2047.2	1973.5	1884.7	1782.3	1682.4	1577.8	1462.7	1352.9
132.5°	1789.8	1783.6	1751.1	1712.4	1661.1	1597.6	1522.5	1439.8	1351.2	1252.7	1168.6
135°	1512.9	1507.2	1481.0	1449.5	1407.3	1354.7	1291.6	1227.5	1156.0	1086.7	1016.1
137.5°	1281.8	1274.4	1250.8	1223.8	1189.7	1148.9	1101.9	1049.2	995.6	939.7	881.3
140°	1074.7	1070.0	1051.0	1029.1	1001.3	968.1	930.1	887.9	847.8	810.5	770.8
142.5°	868.7	868.3	858.2	846.0	829.6	809.3	785.4	758.2	728.7	700.6	670.8
145°	717.2	719.2	713.0	705.2	694.0	679.7	662.5	642.7	620.7	602.5	584.2
147.5°	578.8	583.1	581.9	579.6	574.9	567.9	558.9	548.0	535.4	522.4	510.4
150°	476.3	481.9	482.8	482.9	481.0	477.5	472.4	466.0	458.4	449.7	444.8
152.5°	379.3	386.6	391.4	395.6	398.5	400.2	400.7	400.0	398.1	395.1	392.3
155°	323.7	330.5	336.1	341.2	345.6	349.0	351.5	352.9	353.4	352.7	350.8
157.5°	295.4	300.5	305.6	308.8	312.2	314.8	316.7	317.7	317.8	316.9	315.0
160°	276.9	280.0	283.2	285.6	288.0	289.9	291.4	292.2	292.4	291.9	290.6
162.5°	273.6	274.7	275.8	274.9	274.4	273.4	271.9	270.0	267.5	264.5	261.0
165°	242.0	242.7	243.4	241.9	240.9	239.5	237.7	235.4	232.8	229.9	226.5
167.5°	199.5	200.4	201.3	200.0	199.3	198.1	196.5	194.4	192.0	189.3	186.2
170°	147.2	148.4	149.6	150.8	149.8	149.7	149.4	148.8	148.0	146.8	145.5
172.5°	111.2	112.2	113.1	114.1	113.0	112.8	112.3	111.6	110.7	109.6	108.2
175°	65.4	66.2	67.0	67.8	68.6	67.8	67.9	67.8	67.6	67.3	66.8
177.5°	31.6	32.0	32.4	32.8	33.1	33.5	33.9	33.0	32.9	32.8	32.7
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	32.5	32.3	32.0	31.6	31.2	30.7	30.2	29.7	29.1	28.4	27.7
5°	66.2	65.4	64.6	63.6	62.4	61.2	59.8	58.3	56.7	54.9	53.1
7.5°	106.6	104.8	102.8	100.6	98.2	95.6	92.9	89.9	86.8	84.0	81.2
10°	143.8	141.9	139.8	137.4	134.8	132.0	128.6	124.7	120.5	116.2	111.6
12.5°	182.7	179.0	175.0	170.6	166.5	162.9	159.1	155.0	150.6	146.0	141.2
15°	222.9	218.9	214.6	209.4	203.7	197.7	191.6	185.2	178.6	172.9	167.2
17.5°	257.0	252.4	247.3	241.8	236.0	229.9	223.6	216.7	209.1	201.3	193.5
20°	288.5	284.2	278.6	272.4	265.6	258.2	250.7	243.2	235.6	227.7	219.2
22.5°	312.6	310.2	306.6	301.8	295.7	287.8	278.8	269.2	259.3	250.4	241.5
25°	348.3	344.5	339.3	332.6	325.6	317.7	308.3	297.5	286.1	274.0	262.7
27.5°	389.5	385.4	379.8	372.8	364.1	353.8	343.6	329.7	315.6	300.4	286.2
30°	438.8	431.7	424.7	416.3	407.2	396.4	383.2	367.9	354.0	341.8	329.1
32.5°	497.8	484.7	474.2	464.0	452.6	440.7	429.1	416.7	402.7	388.0	374.3
35°	564.7	545.6	530.1	514.7	501.4	489.9	477.4	464.0	449.6	434.1	417.9
37.5°	639.5	614.4	590.4	572.1	555.4	539.6	525.1	510.6	495.1	478.5	461.2
40°	730.8	695.4	662.9	636.7	613.4	592.3	574.0	556.1	539.7	522.1	503.2
42.5°	832.4	789.7	747.6	711.1	677.2	649.2	624.0	603.4	582.8	564.6	545.0
45°	955.8	892.1	840.0	790.9	748.0	707.8	677.8	650.7	627.8	605.5	585.5
47.5°	1092.6	1016.1	944.4	876.1	823.0	774.4	732.1	700.0	672.4	647.4	624.2
50°	1241.1	1148.3	1060.1	979.0	902.2	843.0	791.7	748.1	717.0	689.4	662.5
52.5°	1417.6	1295.1	1182.3	1086.3	996.4	913.4	852.3	801.3	759.9	729.9	718.5
55°	1590.1	1449.9	1318.6	1195.4	1092.9	997.7	912.0	855.6	822.9	803.0	797.9
57.5°	1766.9	1597.0	1451.7	1315.2	1189.5	1083.6	999.0	935.9	895.1	871.5	867.1
60°	1943.3	1748.5	1573.2	1426.8	1297.8	1185.4	1090.8	1012.6	966.7	939.2	929.9
62.5°	2123.0	1893.3	1702.9	1545.0	1407.1	1279.5	1177.8	1094.2	1033.4	999.7	987.9
65°	2273.3	2067.9	1849.7	1664.0	1509.9	1373.9	1256.5	1164.9	1096.9	1060.4	1047.2
67.5°	2407.5	2213.6	2000.0	1792.1	1604.5	1456.1	1330.7	1233.7	1161.9	1117.6	1100.9
70°	2497.9	2324.9	2132.8	1910.0	1705.9	1537.4	1401.5	1294.5	1217.9	1169.3	1149.6
72.5°	2580.7	2409.5	2214.7	2009.8	1804.7	1609.0	1461.2	1349.9	1267.1	1219.7	1198.4
75°	2646.0	2478.4	2286.7	2084.5	1891.4	1676.8	1520.2	1404.0	1321.5	1268.4	1240.8
77.5°	2699.8	2535.8	2341.1	2144.0	1952.8	1750.5	1582.1	1460.0	1372.2	1314.4	1282.5
80°	2730.5	2582.1	2402.3	2200.4	2001.9	1807.2	1633.2	1508.7	1418.6	1357.8	1323.3
82.5°	2757.8	2615.6	2451.2	2245.1	2040.1	1847.9	1674.4	1550.6	1460.9	1398.8	1363.3
85°	2775.7	2632.7	2487.0	2277.4	2067.1	1874.4	1706.7	1586.5	1499.4	1437.8	1402.6
87.5°	2782.9	2640.2	2516.3	2303.6	2088.4	1892.9	1734.1	1619.1	1536.0	1475.6	1441.6
90°	2778.4	2626.9	2516.8	2303.2	2087.4	1893.3	1749.5	1643.7	1567.4	1510.7	1479.1
92.5°	2782.9	2640.2	2516.3	2303.6	2088.4	1892.9	1734.1	1619.1	1536.0	1475.6	1441.6
95°	2775.7	2632.7	2487.0	2277.4	2067.1	1874.4	1706.7	1586.5	1499.4	1437.8	1402.6
97.5°	2757.8	2615.6	2451.2	2245.1	2040.1	1847.9	1674.4	1550.6	1460.9	1398.8	1363.3
100°	2730.5	2582.1	2402.3	2200.4	2001.9	1807.2	1633.2	1508.7	1418.6	1357.8	1323.3
102.5°	2699.8	2535.8	2341.1	2144.0	1952.8	1750.5	1582.1	1460.0	1372.2	1314.4	1282.5
105°	2646.0	2478.4	2286.7	2084.5	1891.4	1676.8	1520.2	1404.0	1321.5	1268.4	1240.8
107.5°	2580.7	2409.5	2214.7	2009.8	1804.7	1609.0	1461.2	1349.9	1267.1	1219.7	1198.4
110°	2497.9	2324.9	2132.8	1910.0	1705.9	1537.4	1401.5	1294.5	1217.9	1169.3	1149.6





TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-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°	2407.5	2213.6	2000.0	1792.1	1604.5	1456.1	1330.7	1233.7	1161.9	1117.6	1100.9
115°	2273.3	2067.9	1849.7	1664.0	1509.9	1373.9	1256.5	1164.9	1096.9	1060.4	1047.2
117.5°	2123.0	1893.3	1702.9	1545.0	1407.1	1279.5	1177.8	1094.2	1033.4	999.7	987.9
120°	1943.3	1748.5	1573.2	1426.8	1297.8	1185.4	1090.8	1012.6	966.7	939.2	929.9
122.5°	1766.9	1597.0	1451.7	1315.2	1189.5	1083.6	999.0	935.9	895.1	871.5	867.1
125°	1590.1	1449.9	1318.6	1195.4	1092.9	997.7	912.0	855.6	822.9	803.0	797.9
127.5°	1417.6	1295.1	1182.3	1086.3	996.4	913.4	852.3	801.3	759.9	729.9	718.5
130°	1241.1	1148.3	1060.1	979.0	902.2	843.0	791.7	748.1	717.0	689.4	662.5
132.5°	1092.6	1016.1	944.4	876.1	823.0	774.4	732.1	700.0	672.4	647.4	624.2
135°	955.8	892.1	840.0	790.9	748.0	707.8	677.8	650.7	627.8	605.5	585.5
137.5°	832.4	789.7	747.6	711.1	677.2	649.2	624.0	603.4	582.8	564.6	545.0
140°	730.8	695.4	662.9	636.7	613.4	592.3	574.0	556.1	539.7	522.1	503.2
142.5°	639.5	614.4	590.4	572.1	555.4	539.6	525.1	510.6	495.1	478.5	461.2
145°	564.7	545.6	530.1	514.7	501.4	489.9	477.4	464.0	449.6	434.1	417.9
147.5°	497.8	484.7	474.2	464.0	452.6	440.7	429.1	416.7	402.7	388.0	374.3
150°	438.8	431.7	424.7	416.3	407.2	396.4	383.2	367.9	354.0	341.8	329.1
152.5°	389.5	385.4	379.8	372.8	364.1	353.8	343.6	329.7	315.6	300.4	286.2
155°	348.3	344.5	339.3	332.6	325.6	317.7	308.3	297.5	286.1	274.0	262.7
157.5°	312.6	310.2	306.6	301.8	295.7	287.8	278.8	269.2	259.3	250.4	241.5
160°	288.5	284.2	278.6	272.4	265.6	258.2	250.7	243.2	235.6	227.7	219.2
162.5°	257.0	252.4	247.3	241.8	236.0	229.9	223.6	216.7	209.1	201.3	193.5
165°	222.9	218.9	214.6	209.4	203.7	197.7	191.6	185.2	178.6	172.9	167.2
167.5°	182.7	179.0	175.0	170.6	166.5	162.9	159.1	155.0	150.6	146.0	141.2
170°	143.8	141.9	139.8	137.4	134.8	132.0	128.6	124.7	120.5	116.2	111.6
172.5°	106.6	104.8	102.8	100.6	98.2	95.6	92.9	89.9	86.8	84.0	81.2
175°	66.2	65.4	64.6	63.6	62.4	61.2	59.8	58.3	56.7	54.9	53.1
177.5°	32.5	32.3	32.0	31.6	31.2	30.7	30.2	29.7	29.1	28.4	27.7
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	26.9	26.1	25.3	24.4	23.5	22.6	21.6	20.6	19.5	18.4	17.3
5°	51.1	49.1	46.9	45.2	43.4	41.5	39.5	37.5	35.5	33.3	31.2
7.5°	78.3	75.1	71.9	68.4	64.9	61.2	57.4	54.2	51.2	48.0	44.8
10°	106.9	102.1	97.4	92.5	87.7	82.7	77.6	72.3	66.9	62.5	58.3
12.5°	135.5	129.6	123.5	117.3	110.9	104.5	98.0	91.3	84.5	77.4	71.6
15°	161.1	154.8	149.2	141.0	133.7	126.2	118.5	110.5	102.2	93.7	85.0
17.5°	186.5	178.3	170.7	163.0	154.9	146.5	138.1	129.5	120.0	110.0	99.8
20°	210.4	201.5	192.6	183.8	174.8	165.5	156.3	147.0	137.7	126.3	114.6
22.5°	232.5	223.1	213.6	204.1	194.1	183.8	173.3	163.5	153.6	142.8	129.5
25°	251.9	242.1	232.2	222.3	216.5	209.6	201.9	193.9	186.0	177.5	165.7
27.5°	276.8	270.6	265.7	260.5	255.1	249.3	241.8	233.7	225.1	215.9	204.7
30°	319.1	309.6	302.3	297.3	292.0	286.5	280.5	272.4	264.5	254.0	243.8
32.5°	360.5	349.2	339.5	332.2	327.3	322.1	316.8	310.0	301.7	291.9	280.9
35°	402.7	388.1	376.6	366.9	361.0	356.3	351.5	347.0	338.6	329.6	317.9
37.5°	443.6	427.7	412.5	402.2	393.8	389.1	384.9	380.7	374.5	366.8	354.8
40°	484.3	465.6	449.8	435.3	426.5	420.5	417.0	413.7	409.4	402.5	391.4
42.5°	523.8	504.0	485.0	469.6	458.4	450.6	448.1	445.7	443.3	437.4	427.9
45°	563.6	540.6	520.5	503.2	488.5	481.6	478.0	476.5	475.5	471.6	464.1
47.5°	602.7	578.0	555.2	536.1	520.1	515.3	516.1	516.5	514.0	507.4	496.5
50°	639.3	618.7	613.9	610.3	603.7	593.4	581.9	572.0	560.2	546.2	528.9
52.5°	711.8	711.9	714.6	712.8	700.9	679.6	655.8	632.5	610.0	587.2	562.5
55°	793.3	797.1	806.6	817.3	802.8	772.8	735.9	697.7	663.1	630.5	597.7
57.5°	869.2	875.9	890.3	914.8	905.2	871.1	821.7	767.2	719.7	676.4	634.4
60°	938.5	949.5	969.9	1001.6	1009.1	973.7	912.7	841.2	780.3	724.5	672.4
62.5°	1001.4	1019.7	1044.9	1082.2	1114.2	1080.4	1007.6	921.1	843.6	774.4	711.6
65°	1058.6	1084.9	1115.4	1157.3	1219.5	1184.4	1104.7	1004.3	909.4	826.0	751.7
67.5°	1110.6	1145.7	1182.2	1230.5	1302.7	1286.5	1204.1	1090.2	977.1	878.9	792.5
70°	1159.8	1202.6	1248.0	1299.3	1362.7	1351.1	1258.9	1132.7	1005.7	898.0	804.6
72.5°	1203.1	1234.9	1276.9	1317.8	1360.7	1353.4	1266.4	1145.7	1017.6	908.0	812.1
75°	1237.7	1260.3	1301.3	1340.8	1366.5	1355.9	1270.7	1156.2	1027.8	917.0	819.0
77.5°	1273.4	1288.1	1325.8	1367.5	1378.7	1358.4	1272.1	1164.1	1036.5	925.1	825.5
80°	1309.8	1318.1	1350.5	1397.2	1396.0	1360.5	1270.8	1169.7	1043.7	932.1	831.3
82.5°	1346.8	1349.9	1375.9	1429.2	1416.9	1361.8	1267.1	1173.2	1049.5	938.2	839.9
85°	1384.2	1383.0	1402.1	1462.6	1439.8	1365.7	1264.1	1177.9	1056.4	945.3	842.6
87.5°	1422.0	1417.0	1428.6	1496.9	1464.3	1361.9	1254.5	1174.8	1057.4	947.9	845.3
90°	1459.5	1451.9	1458.4	1530.4	1485.7	1358.1	1244.8	1171.8	1058.4	950.5	848.0
92.5°	1422.0	1417.0	1428.6	1496.9	1464.3	1361.9	1254.5	1174.8	1057.4	947.9	845.3
95°	1384.2	1383.0	1402.1	1462.6	1439.8	1365.7	1264.1	1177.9	1056.4	945.3	842.6
97.5°	1346.8	1349.9	1375.9	1429.2	1416.9	1361.8	1267.1	1173.2	1049.5	938.2	839.9
100°	1309.8	1318.1	1350.5	1397.2	1396.0	1360.5	1270.8	1169.7	1043.7	932.1	831.3
102.5°	1273.4	1288.1	1325.8	1367.5	1378.7	1358.4	1272.1	1164.1	1036.5	925.1	825.5
105°	1237.7	1260.3	1301.3	1340.8	1366.5	1355.9	1270.7	1156.2	1027.8	917.0	819.0
107.5°	1203.1	1234.9	1276.9	1317.8	1360.7	1353.4	1266.4	1145.7	1017.6	908.0	812.1
110°	1159.8	1202.6	1248.0	1299.3	1362.7	1351.1	1258.9	1132.7	1005.7	898.0	804.6



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1110.6	1145.7	1182.2	1230.5	1302.7	1286.5	1204.1	1090.2	977.1	878.9	792.5
115°	1058.6	1084.9	1115.4	1157.3	1219.5	1184.4	1104.7	1004.3	909.4	826.0	751.7
117.5°	1001.4	1019.7	1044.9	1082.2	1114.2	1080.4	1007.6	921.1	843.6	774.4	711.6
120°	938.5	949.5	969.9	1001.6	1009.1	973.7	912.7	841.2	780.3	724.5	672.4
122.5°	869.2	875.9	890.3	914.8	905.2	871.0	821.7	767.2	719.7	676.4	634.4
125°	793.3	797.1	806.6	817.3	802.8	772.8	735.9	697.7	663.1	630.5	597.7
127.5°	711.8	711.9	714.6	712.8	700.9	679.6	655.8	632.5	610.0	587.2	562.5
130°	639.3	618.7	613.9	610.3	603.7	593.4	581.9	572.0	560.2	546.2	528.9
132.5°	602.7	578.0	555.2	536.1	520.1	515.3	516.1	516.5	514.0	507.4	496.5
135°	563.6	540.6	520.5	503.2	488.5	481.6	478.0	476.5	475.5	471.6	464.1
137.5°	523.8	504.0	485.0	469.6	458.4	450.6	448.1	445.7	443.3	437.4	427.9
140°	484.3	465.6	449.8	435.3	426.5	420.5	417.0	413.7	409.4	402.5	391.4
142.5°	443.6	427.7	412.5	402.2	393.8	389.1	384.9	380.7	374.5	366.8	354.8
145°	402.7	388.1	376.6	366.9	361.0	356.3	351.5	347.0	338.6	329.6	317.9
147.5°	360.5	349.2	339.5	332.2	327.3	322.1	316.8	310.0	301.7	291.9	280.9
150°	319.1	309.6	302.3	297.3	292.0	286.5	280.5	272.4	264.5	254.0	243.8
152.5°	276.8	270.6	265.7	260.5	255.1	249.3	241.8	233.7	225.1	215.9	204.7
155°	251.9	242.1	232.2	222.3	216.5	209.6	201.9	193.9	186.0	177.5	165.7
157.5°	232.5	223.1	213.6	204.1	194.1	183.8	173.3	163.5	153.6	142.8	129.5
160°	210.4	201.5	192.6	183.8	174.8	165.5	156.3	147.0	137.7	126.3	114.6
162.5°	186.5	178.3	170.7	163.0	154.9	146.5	138.1	129.5	120.0	110.0	99.8
165°	161.1	154.8	149.2	141.0	133.7	126.2	118.5	110.5	102.2	93.7	85.0
167.5°	135.5	129.6	123.5	117.3	110.9	104.5	98.0	91.3	84.5	77.4	71.6
170°	106.9	102.1	97.4	92.5	87.7	82.7	77.6	72.3	66.9	62.5	58.3
172.5°	78.3	75.1	71.9	68.4	64.9	61.2	57.4	54.2	51.2	48.0	44.8
175°	51.1	49.1	46.9	45.2	43.4	41.5	39.5	37.5	35.5	33.3	31.2
177.5°	26.9	26.1	25.3	24.4	23.5	22.6	21.6	20.6	19.5	18.4	17.3
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	16.2	15.0	13.8	12.6	12.6	12.5	12.4	12.4	12.2	12.1	12.0
5°	28.9	26.6	24.3	21.9	21.8	21.6	21.4	21.2	20.9	20.6	20.3
7.5°	41.5	38.2	34.7	31.3	31.0	30.6	30.2	29.7	29.2	28.7	28.1
10°	54.0	49.6	45.1	40.6	40.1	39.5	38.8	38.1	37.3	36.6	35.9
12.5°	66.3	60.9	55.5	49.9	49.1	48.2	47.2	46.2	45.2	44.6	43.8
15°	78.5	72.2	65.8	59.2	58.1	56.8	55.4	54.2	53.4	52.6	51.7
17.5°	90.5	83.3	76.0	68.6	67.0	65.3	63.5	62.4	61.6	60.7	59.8
20°	102.7	94.4	86.2	77.9	75.8	73.7	71.6	70.7	69.8	68.8	68.1
22.5°	116.0	105.3	96.3	87.2	84.6	82.0	79.9	79.1	78.1	77.2	76.4
25°	152.3	140.0	130.1	119.5	115.3	110.7	106.9	103.5	100.1	97.0	93.7
27.5°	190.2	175.7	164.1	151.9	146.0	139.7	134.5	129.4	124.7	120.3	115.5
30°	227.9	211.7	198.3	184.2	176.5	168.2	161.4	154.2	148.5	142.6	136.0
32.5°	265.5	248.1	232.5	216.5	206.7	196.6	187.5	178.7	171.3	163.6	155.3
35°	302.9	284.5	266.8	248.9	236.8	224.6	213.0	202.6	193.4	183.6	173.5
37.5°	340.2	320.8	301.2	281.2	266.7	252.1	237.8	225.8	215.0	202.6	190.3
40°	377.3	356.9	335.7	313.5	296.5	279.2	262.0	248.4	234.9	220.8	206.0
42.5°	413.9	393.0	370.2	345.9	326.1	305.9	286.3	270.4	254.5	238.7	220.6
45°	449.7	428.9	404.8	378.2	355.5	332.3	309.7	292.0	273.5	254.3	234.3
47.5°	476.5	450.6	422.2	393.7	367.2	341.3	317.7	298.9	280.5	261.5	241.6
50°	503.3	472.3	439.4	409.2	378.4	349.2	323.6	302.6	283.1	263.6	243.5
52.5°	531.2	494.5	456.6	424.7	389.4	357.0	329.3	306.4	285.8	266.3	246.6
55°	560.0	517.2	473.7	440.2	400.3	364.6	334.8	310.2	288.8	269.4	250.7
57.5°	589.6	540.3	490.8	455.8	411.1	372.1	340.1	314.1	292.3	273.2	255.9
60°	619.9	563.7	507.9	471.3	421.7	379.6	345.3	318.0	296.2	277.9	262.7
62.5°	650.9	587.5	524.9	486.8	432.3	386.9	350.3	322.1	300.4	283.4	269.1
65°	682.3	611.5	541.9	502.3	442.8	394.2	355.3	326.3	305.0	289.7	277.1
67.5°	714.1	635.6	558.9	517.8	453.2	401.5	360.3	330.6	310.0	296.6	285.9
70°	721.3	640.7	564.1	516.5	450.3	398.4	356.9	327.5	307.9	296.3	287.5
72.5°	726.1	644.6	569.4	515.1	447.4	395.2	353.0	323.6	304.2	293.2	284.6
75°	730.5	648.0	576.9	513.8	444.7	392.1	349.4	319.9	300.7	290.2	282.0
77.5°	734.4	651.0	581.8	512.5	442.0	389.3	346.0	316.4	297.4	287.3	279.5
80°	737.9	655.6	586.6	511.1	439.4	386.7	342.8	313.1	294.2	284.6	277.1
82.5°	743.0	656.9	591.5	509.8	437.0	384.2	339.9	309.9	291.3	281.9	275.0
85°	744.3	658.1	596.3	508.5	434.8	382.0	337.2	307.0	288.5	279.4	272.9
87.5°	745.5	659.3	601.2	507.1	432.6	380.0	334.7	304.4	285.8	277.0	271.0
90°	746.7	660.5	606.0	505.8	430.6	378.2	332.5	301.9	283.4	274.7	269.2
92.5°	745.5	659.3	601.2	507.1	432.6	380.0	334.7	304.4	285.8	277.0	271.0
95°	744.3	658.1	596.3	508.5	434.8	382.0	337.2	307.0	288.5	279.4	272.9
97.5°	743.0	656.9	591.5	509.8	437.0	384.2	339.9	309.9	291.3	281.9	275.0
100°	737.9	655.6	586.6	511.1	439.4	386.7	342.8	313.1	294.2	284.6	277.1
102.5°	734.4	651.0	581.8	512.5	442.0	389.3	346.0	316.4	297.4	287.3	279.5
105°	730.5	648.0	576.9	513.8	444.7	392.1	349.4	319.9	300.7	290.2	282.0
107.5°	726.1	644.6	569.4	515.1	447.4	395.2	353.0	323.6	304.2	293.2	284.6
110°	721.3	640.7	564.1	516.5	450.3	398.4	356.9	327.5	307.9	296.3	287.5



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-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°	714.1	635.6	558.9	517.8	453.2	401.5	360.3	330.6	310.0	296.6	285.9
115°	682.3	611.5	541.9	502.3	442.8	394.2	355.3	326.3	305.0	289.7	277.1
117.5°	650.9	587.5	524.9	486.8	432.3	386.9	350.3	322.1	300.4	283.4	269.1
120°	619.9	563.7	507.9	471.3	421.7	379.6	345.3	318.0	296.2	277.9	262.7
122.5°	589.6	540.3	490.8	455.8	411.1	372.1	340.1	314.1	292.3	273.2	255.9
125°	560.0	517.2	473.7	440.2	400.3	364.6	334.8	310.2	288.8	269.4	250.7
127.5°	531.2	494.5	456.6	424.7	389.4	357.0	329.3	306.4	285.8	266.3	246.6
130°	503.3	472.3	439.4	409.2	378.4	349.2	323.6	302.6	283.1	263.6	243.5
132.5°	476.5	450.6	422.2	393.7	367.2	341.3	317.7	298.9	280.5	261.5	241.6
135°	449.7	428.9	404.8	378.2	355.5	332.3	309.7	292.0	273.5	254.3	234.3
137.5°	413.9	393.0	370.2	345.9	326.1	305.9	286.3	270.4	254.5	238.7	220.6
140°	377.3	356.9	335.7	313.5	296.5	279.2	262.0	248.4	234.9	220.8	206.0
142.5°	340.2	320.8	301.2	281.2	266.7	252.1	237.8	225.8	215.0	202.6	190.3
145°	302.9	284.5	266.8	248.9	236.8	224.6	213.0	202.6	193.4	183.6	173.5
147.5°	265.5	248.1	232.5	216.5	206.7	196.6	187.5	178.7	171.3	163.6	155.3
150°	227.9	211.7	198.3	184.2	176.5	168.2	161.4	154.2	148.5	142.6	136.0
152.5°	190.2	175.7	164.1	151.9	146.0	139.7	134.5	129.4	124.7	120.3	115.5
155°	152.3	140.0	130.1	119.5	115.3	110.7	106.9	103.5	100.1	97.0	93.7
157.5°	116.0	105.3	96.3	87.2	84.6	82.0	79.9	79.1	78.1	77.2	76.4
160°	102.7	94.4	86.2	77.9	75.8	73.7	71.6	70.7	69.8	68.8	68.1
162.5°	90.5	83.3	76.0	68.6	67.0	65.3	63.5	62.4	61.6	60.7	59.8
165°	78.5	72.2	65.8	59.2	58.1	56.8	55.4	54.2	53.4	52.6	51.7
167.5°	66.3	60.9	55.5	49.9	49.1	48.2	47.2	46.2	45.2	44.6	43.8
170°	54.0	49.6	45.1	40.6	40.1	39.5	38.8	38.1	37.3	36.6	35.9
172.5°	41.5	38.2	34.7	31.3	31.0	30.6	30.2	29.7	29.2	28.7	28.1
175°	28.9	26.6	24.3	21.9	21.8	21.6	21.4	21.2	20.9	20.6	20.3
177.5°	16.2	15.0	13.8	12.6	12.6	12.5	12.4	12.4	12.2	12.1	12.0
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	11.8	11.7	11.5	11.3	11.1	10.8	10.6	10.3	10.1	9.8	9.5
5°	19.9	19.5	19.1	18.7	18.2	17.7	17.2	16.7	16.2	15.6	15.0
7.5°	27.6	27.0	26.4	25.8	25.1	24.4	23.7	22.9	22.1	21.3	20.5
10°	35.3	34.6	33.8	33.0	32.1	31.3	30.5	29.6	28.7	27.7	26.6
12.5°	43.0	42.1	41.3	40.5	39.6	38.6	37.6	36.5	35.3	34.0	32.6
15°	50.8	50.0	49.2	48.2	47.1	45.9	44.5	43.1	41.6	40.1	38.5
17.5°	59.0	58.1	57.1	55.8	54.4	52.9	51.3	49.7	47.9	46.1	44.3
20°	67.2	66.1	64.7	63.2	61.6	59.9	58.1	56.2	54.1	51.9	49.6
22.5°	75.4	73.9	72.3	70.5	68.7	66.8	64.7	62.3	59.8	57.3	54.9
25°	89.8	85.8	81.8	77.9	75.8	73.4	70.8	68.1	65.7	63.2	60.6
27.5°	110.3	105.0	99.7	94.4	88.9	83.5	78.6	74.4	71.8	68.7	65.5
30°	129.3	122.5	115.7	108.5	101.5	95.0	89.2	83.9	79.0	74.4	70.4
32.5°	146.9	138.3	129.5	120.5	112.0	104.2	97.2	91.1	85.5	80.5	75.8
35°	163.0	152.4	141.2	130.3	120.2	111.2	103.7	96.8	90.7	85.2	80.5
37.5°	177.7	164.4	151.0	138.1	126.4	117.2	108.7	101.3	94.9	89.6	84.6
40°	191.0	174.8	159.1	143.8	132.2	121.8	112.9	105.2	99.2	93.7	88.7
42.5°	202.4	183.8	165.2	149.4	136.8	125.9	116.4	109.5	103.4	97.9	92.7
45°	212.7	191.0	169.7	154.4	140.9	128.9	120.7	113.6	107.6	102.1	96.8
47.5°	219.8	196.6	175.1	158.4	144.2	133.1	124.6	118.1	112.1	106.6	100.6
50°	222.3	199.6	180.8	164.0	148.4	137.5	129.3	122.6	117.0	110.8	104.5
52.5°	226.0	204.7	187.1	171.1	157.5	146.8	138.1	130.2	121.6	114.9	108.9
55°	231.1	211.8	194.4	178.8	167.0	157.6	149.7	142.8	132.5	122.5	113.6
57.5°	237.5	219.5	202.8	188.2	176.7	169.0	162.9	154.3	142.7	131.0	120.4
60°	245.2	227.7	211.9	198.5	188.3	181.5	177.0	165.1	151.2	137.9	125.9
62.5°	253.8	236.5	221.5	209.0	200.5	195.6	189.3	175.1	158.2	143.5	130.4
65°	262.9	246.2	231.7	219.7	213.2	210.4	200.4	183.1	164.4	148.3	134.1
67.5°	272.5	256.5	242.8	231.5	226.4	226.0	211.3	190.0	170.1	152.9	137.4
70°	275.8	262.6	251.5	243.6	241.4	239.6	221.6	196.2	175.1	157.0	140.1
72.5°	273.2	261.5	251.0	244.0	243.4	240.5	224.0	201.2	180.0	160.9	142.3
75°	271.0	261.0	250.8	244.2	243.3	237.5	222.3	203.4	183.7	163.8	145.2
77.5°	269.4	260.9	250.8	244.3	242.8	235.4	222.9	207.2	187.6	167.1	148.4
80°	268.2	261.2	251.0	244.2	241.8	234.2	225.5	212.3	192.0	171.0	152.2
82.5°	267.3	261.8	251.4	244.1	240.6	233.6	229.5	218.6	196.9	175.6	156.4
85°	266.7	262.7	252.0	244.0	239.2	233.6	234.7	225.8	202.4	180.9	161.3
87.5°	266.3	263.7	252.9	244.0	237.8	233.9	240.4	233.7	208.7	187.0	166.9
90°	266.0	264.9	254.0	244.2	236.5	234.4	246.3	242.0	215.8	194.0	173.3
92.5°	266.3	263.7	252.9	244.0	237.8	233.9	240.4	233.7	208.7	187.0	166.9
95°	266.7	262.7	252.0	244.0	239.2	233.6	234.7	225.8	202.4	180.9	161.3
97.5°	267.3	261.8	251.4	244.1	240.6	233.6	229.5	218.6	196.9	175.6	156.4
100°	268.2	261.2	251.0	244.2	241.8	234.2	225.5	212.3	192.0	171.0	152.2
102.5°	269.4	260.9	250.8	244.3	242.8	235.4	222.9	207.2	187.6	167.1	148.4
105°	271.0	261.0	250.8	244.2	243.3	237.5	222.3	203.4	183.7	163.8	145.2
107.5°	273.2	261.5	251.0	244.0	243.4	240.5	224.0	201.2	180.0	160.9	142.3
110°	275.8	262.6	251.5	243.6	241.4	239.6	221.6	196.2	175.1	157.0	140.1



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	272.5	256.5	242.8	231.5	226.4	226.0	211.3	190.0	170.1	152.9	137.4
115°	262.9	246.2	231.7	219.7	213.2	210.4	200.4	183.1	164.4	148.3	134.1
117.5°	253.8	236.5	221.5	209.0	200.5	195.6	189.3	175.1	158.2	143.5	130.4
120°	245.2	227.7	211.9	198.5	188.3	181.5	177.0	165.1	151.2	137.9	125.9
122.5°	237.5	219.5	202.8	188.2	176.7	169.0	162.9	154.3	142.7	131.0	120.4
125°	231.1	211.8	194.4	178.8	167.0	157.6	149.7	142.8	132.5	122.5	113.6
127.5°	226.0	204.7	187.1	171.1	157.5	146.8	138.1	130.2	121.6	114.9	108.9
130°	222.3	199.6	180.8	164.0	148.4	137.5	129.3	122.6	117.0	110.8	104.5
132.5°	219.8	196.6	175.1	158.4	144.2	133.1	124.6	118.1	112.1	106.6	100.6
135°	212.7	191.0	169.7	154.4	140.9	128.9	120.7	113.6	107.6	102.1	96.8
137.5°	202.4	183.8	165.2	149.4	136.8	125.9	116.4	109.5	103.4	97.9	92.7
140°	191.0	174.8	159.1	143.8	132.2	121.8	112.9	105.2	99.2	93.7	88.7
142.5°	177.7	164.4	151.0	138.1	126.4	117.2	108.7	101.3	94.9	89.6	84.6
145°	163.0	152.4	141.2	130.3	120.2	111.2	103.7	96.8	90.7	85.2	80.5
147.5°	146.9	138.3	129.5	120.5	112.0	104.2	97.2	91.1	85.5	80.5	75.8
150°	129.3	122.5	115.7	108.5	101.5	95.0	89.2	83.9	79.0	74.4	70.4
152.5°	110.3	105.0	99.7	94.4	88.9	83.5	78.6	74.4	71.8	68.7	65.5
155°	89.8	85.8	81.8	77.9	75.8	73.4	70.8	68.1	65.7	63.2	60.6
157.5°	75.4	73.9	72.3	70.5	68.7	66.8	64.7	62.3	59.8	57.3	54.9
160°	67.2	66.1	64.7	63.2	61.6	59.9	58.1	56.2	54.1	51.9	49.6
162.5°	59.0	58.1	57.1	55.8	54.4	52.9	51.3	49.7	47.9	46.1	44.3
165°	50.8	50.0	49.2	48.2	47.1	45.9	44.5	43.1	41.6	40.1	38.5
167.5°	43.0	42.1	41.3	40.5	39.6	38.6	37.6	36.5	35.3	34.0	32.6
170°	35.3	34.6	33.8	33.0	32.1	31.3	30.5	29.6	28.7	27.7	26.6
172.5°	27.6	27.0	26.4	25.8	25.1	24.4	23.7	22.9	22.1	21.3	20.5
175°	19.9	19.5	19.1	18.7	18.2	17.7	17.2	16.7	16.2	15.6	15.0
177.5°	11.8	11.7	11.5	11.3	11.1	10.8	10.6	10.3	10.1	9.8	9.5
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	9.2	8.9	8.6	8.3	8.0	7.7	7.3	7.0	6.6	6.3	5.9
5°	14.4	13.8	13.1	12.5	11.8	11.1	10.4	9.7	9.0	8.2	7.5
7.5°	19.7	18.8	18.0	17.1	16.1	15.2	14.2	13.2	12.1	11.1	10.0
10°	25.6	24.4	23.2	22.0	20.7	19.4	18.1	16.7	15.3	13.9	12.5
12.5°	31.2	29.8	28.3	26.7	25.2	23.6	21.9	20.2	18.5	16.8	15.0
15°	36.8	35.1	33.3	31.4	29.5	27.6	25.6	23.5	21.5	19.4	17.3
17.5°	42.2	40.1	38.0	35.8	33.5	31.3	29.0	26.7	24.4	22.0	19.6
20°	47.2	44.9	42.6	40.2	37.7	35.2	32.6	30.0	27.3	24.5	21.8
22.5°	52.5	50.0	47.3	44.5	41.6	38.7	35.8	32.8	29.9	26.9	23.8
25°	57.6	54.6	51.5	48.4	45.3	42.1	38.9	35.7	32.4	29.1	25.8
27.5°	62.3	59.0	55.7	52.3	48.9	45.4	41.9	38.4	34.8	31.3	27.7
30°	66.9	63.4	59.7	56.0	52.3	48.6	44.8	41.0	37.2	33.2	29.3
32.5°	71.6	67.5	63.6	59.7	55.7	51.6	47.3	43.1	38.9	34.7	30.6
35°	75.9	71.6	67.4	63.0	58.4	53.8	49.3	44.8	40.4	36.1	31.9
37.5°	80.0	75.3	70.5	65.6	60.7	55.9	51.2	46.8	42.3	37.9	33.2
40°	83.7	78.7	73.5	68.3	63.2	58.4	53.7	48.5	43.3	38.3	33.5
42.5°	87.4	81.9	76.4	71.4	66.3	60.6	54.6	49.0	44.0	39.1	34.2
45°	91.0	85.3	80.0	74.4	68.2	61.9	56.0	50.2	44.9	39.7	34.7
47.5°	94.6	89.1	83.1	76.6	70.1	63.8	57.7	51.6	45.6	40.3	35.3
50°	98.8	92.5	85.7	78.9	72.2	65.8	59.3	52.8	46.6	41.0	36.2
52.5°	102.5	95.6	88.3	81.3	74.5	67.5	60.4	54.1	48.1	42.2	36.5
55°	106.1	98.5	91.0	84.0	76.2	68.7	61.9	55.5	49.1	42.9	37.1
57.5°	110.6	101.5	94.1	85.8	77.7	70.3	63.4	56.6	50.1	43.9	37.6
60°	114.9	105.3	96.3	87.4	79.4	72.0	64.8	57.7	50.6	43.7	37.5
62.5°	118.5	107.8	97.5	88.6	81.0	73.8	65.9	58.0	50.3	43.8	37.6
65°	121.2	109.3	98.7	89.3	81.4	73.8	66.3	57.8	50.4	43.2	36.0
67.5°	123.2	110.8	99.4	89.8	80.9	72.5	64.4	57.6	49.8	41.8	34.6
70°	125.1	111.9	100.1	89.7	80.1	70.6	62.3	54.8	47.8	40.3	32.8
72.5°	126.9	113.0	100.6	89.4	78.8	68.8	59.8	51.8	43.9	37.2	30.9
75°	129.0	114.1	101.0	89.1	77.6	66.8	57.5	48.5	40.1	33.3	28.4
77.5°	131.5	115.7	101.5	88.6	76.5	64.9	55.5	44.9	36.8	30.4	25.2
80°	134.2	117.5	102.2	87.9	74.5	62.8	52.5	42.3	34.2	27.4	21.7
82.5°	137.3	119.6	103.0	87.4	72.6	60.2	49.2	39.8	32.2	25.0	18.3
85°	140.9	122.2	104.3	87.3	71.2	58.0	47.1	38.1	31.1	24.6	18.0
87.5°	145.2	125.5	106.2	87.9	70.6	56.4	46.0	37.2	31.0	25.5	19.4
90°	150.4	129.7	109.0	89.4	70.9	55.6	45.8	37.1	31.6	27.3	21.8
92.5°	145.2	125.5	106.2	87.9	70.6	56.4	46.0	37.2	31.0	25.5	19.4
95°	140.9	122.2	104.3	87.3	71.2	58.0	47.1	38.1	31.1	24.6	18.0
97.5°	137.3	119.6	103.0	87.4	72.6	60.2	49.2	39.8	32.2	25.0	18.3
100°	134.2	117.5	102.2	87.9	74.5	62.8	52.5	42.3	34.2	27.4	21.7
102.5°	131.5	115.7	101.5	88.6	76.5	64.9	55.5	44.9	36.8	30.4	25.2
105°	129.0	114.1	101.0	89.1	77.6	66.8	57.5	48.5	40.1	33.3	28.4
107.5°	126.9	113.0	100.6	89.4	78.8	68.8	59.8	51.8	43.9	37.2	30.9
110°	125.1	111.9	100.1	89.7	80.1	70.6	62.3	54.8	47.8	40.3	32.8





TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-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°	123.2	110.8	99.4	89.8	80.9	72.5	64.4	57.6	49.8	41.8	34.6
115°	121.2	109.3	98.7	89.3	81.4	73.8	66.3	57.8	50.4	43.2	36.0
117.5°	118.5	107.8	97.5	88.6	81.0	73.8	65.9	58.0	50.3	43.8	37.6
120°	114.9	105.3	96.3	87.4	79.4	72.0	64.8	57.7	50.6	43.7	37.5
122.5°	110.6	101.5	94.1	85.8	77.7	70.3	63.4	56.6	50.1	43.9	37.6
125°	106.1	98.5	91.0	84.0	76.2	68.7	61.9	55.5	49.1	42.9	37.1
127.5°	102.5	95.6	88.3	81.3	74.5	67.5	60.4	54.1	48.1	42.2	36.5
130°	98.8	92.5	85.7	78.9	72.2	65.8	59.3	52.8	46.6	41.0	36.2
132.5°	94.6	89.1	83.1	76.6	70.1	63.8	57.7	51.6	45.6	40.3	35.3
135°	91.0	85.3	80.0	74.4	68.2	61.9	56.0	50.2	44.9	39.7	34.7
137.5°	87.4	81.9	76.4	71.4	66.3	60.6	54.6	49.0	44.0	39.1	34.2
140°	83.7	78.7	73.5	68.3	63.2	58.4	53.7	48.5	43.3	38.3	33.5
142.5°	80.0	75.3	70.5	65.6	60.7	55.9	51.2	46.8	42.3	37.9	33.2
145°	75.9	71.6	67.4	63.0	58.4	53.8	49.3	44.8	40.4	36.1	31.9
147.5°	71.6	67.5	63.6	59.7	55.7	51.6	47.3	43.1	38.9	34.7	30.6
150°	66.9	63.4	59.7	56.0	52.3	48.6	44.8	41.0	37.2	33.2	29.3
152.5°	62.3	59.0	55.7	52.3	48.9	45.4	41.9	38.4	34.8	31.3	27.7
155°	57.6	54.6	51.5	48.4	45.3	42.1	38.9	35.7	32.4	29.1	25.8
157.5°	52.5	50.0	47.3	44.5	41.6	38.7	35.8	32.8	29.9	26.9	23.8
160°	47.2	44.9	42.6	40.2	37.7	35.2	32.6	30.0	27.3	24.5	21.8
162.5°	42.2	40.1	38.0	35.8	33.5	31.3	29.0	26.7	24.4	22.0	19.6
165°	36.8	35.1	33.3	31.4	29.5	27.6	25.6	23.5	21.5	19.4	17.3
167.5°	31.2	29.8	28.3	26.7	25.2	23.6	21.9	20.2	18.5	16.8	15.0
170°	25.6	24.4	23.2	22.0	20.7	19.4	18.1	16.7	15.3	13.9	12.5
172.5°	19.7	18.8	18.0	17.1	16.1	15.2	14.2	13.2	12.1	11.1	10.0
175°	14.4	13.8	13.1	12.5	11.8	11.1	10.4	9.7	9.0	8.2	7.5
177.5°	9.2	8.9	8.6	8.3	8.0	7.7	7.3	7.0	6.6	6.3	5.9
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	5.5	5.2	4.8	4.4	4.1	3.7	3.3	3.7	4.1	4.4	4.8
5°	6.7	6.0	5.2	4.5	3.7	3.0	2.2	3.0	3.7	4.5	5.2
7.5°	8.9	7.8	6.7	5.6	4.5	3.3	2.2	3.3	4.5	5.6	6.7
10°	11.1	9.6	8.2	6.7	5.2	3.7	2.2	3.7	5.2	6.7	8.2
12.5°	13.2	11.4	9.6	7.7	5.9	4.1	2.2	4.1	5.9	7.7	9.6
15°	15.2	13.0	10.9	8.7	6.5	4.4	2.2	4.4	6.5	8.7	10.9
17.5°	17.2	14.7	12.2	9.7	7.2	4.7	2.2	4.7	7.2	9.7	12.2
20°	19.0	16.2	13.4	10.6	7.8	5.0	2.2	5.0	7.8	10.6	13.4
22.5°	20.8	17.7	14.6	11.5	8.4	5.3	2.2	5.3	8.4	11.5	14.6
25°	22.4	19.1	15.7	12.4	9.0	5.6	2.2	5.6	9.0	12.4	15.7
27.5°	24.1	20.4	16.8	13.2	9.5	5.9	2.2	5.9	9.5	13.2	16.8
30°	25.4	21.5	17.6	13.7	9.9	6.0	2.2	6.0	9.9	13.7	17.6
32.5°	26.5	22.4	18.3	14.3	10.2	6.2	2.2	6.2	10.2	14.3	18.3
35°	27.6	23.4	19.2	14.9	10.7	6.4	2.2	6.4	10.7	14.9	19.2
37.5°	28.5	24.0	19.5	15.1	10.8	6.5	2.2	6.5	10.8	15.1	19.5
40°	28.9	24.3	19.8	15.4	11.0	6.6	2.2	6.6	11.0	15.4	19.8
42.5°	29.4	24.7	20.1	15.6	11.1	6.6	2.2	6.6	11.1	15.6	20.1
45°	29.9	25.3	20.7	16.3	12.0	7.6	3.3	7.6	12.0	16.3	20.7
47.5°	30.5	25.9	21.3	16.8	12.3	7.8	3.3	7.8	12.3	16.8	21.3
50°	31.3	26.3	21.5	16.9	12.3	7.8	3.3	7.8	12.3	16.9	21.5
52.5°	31.3	26.5	21.8	17.1	12.5	7.9	3.3	7.9	12.5	17.1	21.8
55°	31.9	26.8	21.8	17.0	12.4	7.8	3.3	7.8	12.4	17.0	21.8
57.5°	31.7	26.6	21.8	17.1	12.4	7.9	3.3	7.9	12.4	17.1	21.8
60°	32.0	26.8	21.4	16.5	11.9	7.5	3.3	7.5	11.9	16.5	21.4
62.5°	31.1	25.1	20.2	15.6	11.3	7.3	3.3	7.3	11.3	15.6	20.2
65°	29.7	24.2	19.3	15.0	11.2	7.7	4.4	7.7	11.2	15.0	19.3
67.5°	28.2	22.7	18.0	13.9	10.1	6.6	3.3	6.6	10.1	13.9	18.0
70°	26.3	21.2	16.7	13.0	9.8	7.0	4.4	7.0	9.8	13.0	16.7
72.5°	25.1	20.2	16.0	11.8	8.7	6.4	4.4	6.4	8.7	11.8	16.0
75°	24.3	19.5	15.0	10.5	7.5	5.8	4.4	5.8	7.5	10.5	15.0
77.5°	21.6	19.4	13.9	8.1	2.8	0.6	0.0	0.6	2.8	8.1	13.9
80°	17.9	14.7	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
82.5°	13.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	11.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	10.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	13.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	17.9	14.7	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
102.5°	21.6	19.4	13.9	8.1	2.8	0.6	0.0	0.6	2.8	8.1	13.9
105°	24.3	19.5	15.0	10.5	7.5	5.8	4.4	5.8	7.5	10.5	15.0
107.5°	25.1	20.2	16.0	11.8	8.7	6.4	4.4	6.4	8.7	11.8	16.0
110°	26.3	21.2	16.7	13.0	9.8	7.0	4.4	7.0	9.8	13.0	16.7



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	28.2	22.7	18.0	13.9	10.1	6.6	3.3	6.6	10.1	13.9	18.0
115°	29.7	24.2	19.3	15.0	11.2	7.7	4.4	7.7	11.2	15.0	19.3
117.5°	31.1	25.1	20.2	15.6	11.3	7.3	3.3	7.3	11.3	15.6	20.2
120°	32.0	26.8	21.4	16.5	11.9	7.5	3.3	7.5	11.9	16.5	21.4
122.5°	31.7	26.6	21.8	17.1	12.4	7.9	3.3	7.9	12.4	17.1	21.8
125°	31.9	26.8	21.8	17.0	12.4	7.8	3.3	7.8	12.4	17.0	21.8
127.5°	31.3	26.5	21.8	17.1	12.5	7.9	3.3	7.9	12.5	17.1	21.8
130°	31.3	26.3	21.5	16.9	12.3	7.8	3.3	7.8	12.3	16.9	21.5
132.5°	30.5	25.9	21.3	16.8	12.3	7.8	3.3	7.8	12.3	16.8	21.3
135°	29.9	25.3	20.7	16.3	12.0	7.6	3.3	7.6	12.0	16.3	20.7
137.5°	29.4	24.7	20.1	15.6	11.1	6.6	2.2	6.6	11.1	15.6	20.1
140°	28.9	24.3	19.8	15.4	11.0	6.6	2.2	6.6	11.0	15.4	19.8
142.5°	28.5	24.0	19.5	15.1	10.8	6.5	2.2	6.5	10.8	15.1	19.5
145°	27.6	23.4	19.2	14.9	10.7	6.4	2.2	6.4	10.7	14.9	19.2
147.5°	26.5	22.4	18.3	14.3	10.2	6.2	2.2	6.2	10.2	14.3	18.3
150°	25.4	21.5	17.6	13.7	9.9	6.0	2.2	6.0	9.9	13.7	17.6
152.5°	24.1	20.4	16.8	13.2	9.5	5.9	2.2	5.9	9.5	13.2	16.8
155°	22.4	19.1	15.7	12.4	9.0	5.6	2.2	5.6	9.0	12.4	15.7
157.5°	20.8	17.7	14.6	11.5	8.4	5.3	2.2	5.3	8.4	11.5	14.6
160°	19.0	16.2	13.4	10.6	7.8	5.0	2.2	5.0	7.8	10.6	13.4
162.5°	17.2	14.7	12.2	9.7	7.2	4.7	2.2	4.7	7.2	9.7	12.2
165°	15.2	13.0	10.9	8.7	6.5	4.4	2.2	4.4	6.5	8.7	10.9
167.5°	13.2	11.4	9.6	7.7	5.9	4.1	2.2	4.1	5.9	7.7	9.6
170°	11.1	9.6	8.2	6.7	5.2	3.7	2.2	3.7	5.2	6.7	8.2
172.5°	8.9	7.8	6.7	5.6	4.5	3.3	2.2	3.3	4.5	5.6	6.7
175°	6.7	6.0	5.2	4.5	3.7	3.0	2.2	3.0	3.7	4.5	5.2
177.5°	5.5	5.2	4.8	4.4	4.1	3.7	3.3	3.7	4.1	4.4	4.8
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	5.2	5.5	5.9	6.3	6.6	7.0	7.3	7.7	8.0	8.3	8.6
5°	6.0	6.7	7.5	8.2	9.0	9.7	10.4	11.1	11.8	12.5	13.1
7.5°	7.8	8.9	10.0	11.1	12.1	13.2	14.2	15.2	16.1	17.1	18.0
10°	9.6	11.1	12.5	13.9	15.3	16.7	18.1	19.4	20.7	22.0	23.2
12.5°	11.4	13.2	15.0	16.8	18.5	20.2	21.9	23.6	25.2	26.7	28.3
15°	13.0	15.2	17.3	19.4	21.5	23.5	25.6	27.6	29.5	31.4	33.3
17.5°	14.7	17.2	19.6	22.0	24.4	26.7	29.0	31.3	33.5	35.8	38.0
20°	16.2	19.0	21.8	24.5	27.3	30.0	32.6	35.2	37.7	40.2	42.6
22.5°	17.7	20.8	23.8	26.9	29.9	32.8	35.8	38.7	41.6	44.5	47.3
25°	19.1	22.4	25.8	29.1	32.4	35.7	38.9	42.1	45.3	48.4	51.5
27.5°	20.4	24.1	27.7	31.3	34.8	38.4	41.9	45.4	48.9	52.3	55.7
30°	21.5	25.4	29.3	33.2	37.2	41.0	44.8	48.6	52.3	56.0	59.7
32.5°	22.4	26.5	30.6	34.7	38.9	43.1	47.3	51.6	55.7	59.7	63.6
35°	23.4	27.6	31.9	36.1	40.4	44.8	49.3	53.8	58.4	63.0	67.4
37.5°	24.0	28.5	33.2	37.9	42.3	46.8	51.2	55.9	60.7	65.6	70.5
40°	24.3	28.9	33.5	38.3	43.3	48.5	53.7	58.4	63.2	68.3	73.5
42.5°	24.7	29.4	34.2	39.1	44.0	49.0	54.6	60.6	66.3	71.4	76.4
45°	25.3	29.9	34.7	39.7	44.9	50.2	56.0	61.9	68.2	74.4	80.0
47.5°	25.9	30.5	35.3	40.3	45.6	51.6	57.7	63.8	70.1	76.6	83.1
50°	26.3	31.3	36.2	41.0	46.6	52.8	59.3	65.8	72.2	78.9	85.7
52.5°	26.5	31.3	36.5	42.2	48.1	54.1	60.4	67.5	74.5	81.3	88.3
55°	26.8	31.9	37.1	42.9	49.1	55.5	61.9	68.7	76.2	84.0	91.0
57.5°	26.6	31.7	37.6	43.9	50.1	56.6	63.4	70.3	77.7	85.8	94.1
60°	26.8	32.0	37.5	43.7	50.6	57.7	64.8	72.0	79.4	87.4	96.3
62.5°	25.1	31.1	37.6	43.8	50.3	58.0	65.9	73.8	81.0	88.6	97.5
65°	24.2	29.7	36.0	43.2	50.4	57.8	66.3	73.8	81.4	89.3	98.7
67.5°	22.7	28.2	34.6	41.8	49.8	57.6	64.4	72.5	80.9	89.8	99.4
70°	21.2	26.3	32.8	40.3	47.8	54.8	62.3	70.6	80.1	89.7	100.1
72.5°	20.2	25.1	30.9	37.2	43.9	51.8	59.8	68.8	78.8	89.4	100.6
75°	19.5	24.3	28.4	33.3	40.1	48.5	57.5	66.8	77.6	89.1	101.0
77.5°	19.4	21.6	25.2	30.4	36.8	44.9	55.5	64.9	76.5	88.6	101.5
80°	14.7	17.9	21.7	27.4	34.2	42.3	52.5	62.8	74.5	87.9	102.2
82.5°	8.3	13.3	18.3	25.0	32.2	39.8	49.2	60.2	72.6	87.4	103.0
85°	2.9	10.7	18.0	24.6	31.1	38.1	47.1	58.0	71.2	87.3	104.3
87.5°	1.0	11.4	19.4	25.5	31.0	37.2	46.0	56.4	70.6	87.9	106.2
90°	0.0	13.1	21.8	27.3	31.6	37.1	45.8	55.6	70.9	89.4	109.0
92.5°	1.0	11.4	19.4	25.5	31.0	37.2	46.0	56.4	70.6	87.9	106.2
95°	2.9	10.7	18.0	24.6	31.1	38.1	47.1	58.0	71.2	87.3	104.3
97.5°	8.3	13.3	18.3	25.0	32.2	39.8	49.2	60.2	72.6	87.4	103.0
100°	14.7	17.9	21.7	27.4	34.2	42.3	52.5	62.8	74.5	87.9	102.2
102.5°	19.4	21.6	25.2	30.4	36.8	44.9	55.5	64.9	76.5	88.6	101.5
105°	19.5	24.3	28.4	33.3	40.1	48.5	57.5	66.8	77.6	89.1	101.0
107.5°	20.2	25.1	30.9	37.2	43.9	51.8	59.8	68.8	78.8	89.4	100.6
110°	21.2	26.3	32.8	40.3	47.8	54.8	62.3	70.6	80.1	89.7	100.1



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-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°	22.7	28.2	34.6	41.8	49.8	57.6	64.4	72.5	80.9	89.8	99.4
115°	24.2	29.7	36.0	43.2	50.4	57.8	66.3	73.8	81.4	89.3	98.7
117.5°	25.1	31.1	37.6	43.8	50.3	58.0	65.9	73.8	81.0	88.6	97.5
120°	26.8	32.0	37.5	43.7	50.6	57.7	64.8	72.0	79.4	87.4	96.3
122.5°	26.6	31.7	37.6	43.9	50.1	56.6	63.4	70.3	77.7	85.8	94.1
125°	26.8	31.9	37.1	42.9	49.1	55.5	61.9	68.7	76.2	84.0	91.0
127.5°	26.5	31.3	36.5	42.2	48.1	54.1	60.4	67.5	74.5	81.3	88.3
130°	26.3	31.3	36.2	41.0	46.6	52.8	59.3	65.8	72.2	78.9	85.7
132.5°	25.9	30.5	35.3	40.3	45.6	51.6	57.7	63.8	70.1	76.6	83.1
135°	25.3	29.9	34.7	39.7	44.9	50.2	56.0	61.9	68.2	74.4	80.0
137.5°	24.7	29.4	34.2	39.1	44.0	49.0	54.6	60.6	66.3	71.4	76.4
140°	24.3	28.9	33.5	38.3	43.3	48.5	53.7	58.4	63.2	68.3	73.5
142.5°	24.0	28.5	33.2	37.9	42.3	46.8	51.2	55.9	60.7	65.6	70.5
145°	23.4	27.6	31.9	36.1	40.4	44.8	49.3	53.8	58.4	63.0	67.4
147.5°	22.4	26.5	30.6	34.7	38.9	43.1	47.3	51.6	55.7	59.7	63.6
150°	21.5	25.4	29.3	33.2	37.2	41.0	44.8	48.6	52.3	56.0	59.7
152.5°	20.4	24.1	27.7	31.3	34.8	38.4	41.9	45.4	48.9	52.3	55.7
155°	19.1	22.4	25.8	29.1	32.4	35.7	38.9	42.1	45.3	48.4	51.5
157.5°	17.7	20.8	23.8	26.9	29.9	32.8	35.8	38.7	41.6	44.5	47.3
160°	16.2	19.0	21.8	24.5	27.3	30.0	32.6	35.2	37.7	40.2	42.6
162.5°	14.7	17.2	19.6	22.0	24.4	26.7	29.0	31.3	33.5	35.8	38.0
165°	13.0	15.2	17.3	19.4	21.5	23.5	25.6	27.6	29.5	31.4	33.3
167.5°	11.4	13.2	15.0	16.8	18.5	20.2	21.9	23.6	25.2	26.7	28.3
170°	9.6	11.1	12.5	13.9	15.3	16.7	18.1	19.4	20.7	22.0	23.2
172.5°	7.8	8.9	10.0	11.1	12.1	13.2	14.2	15.2	16.1	17.1	18.0
175°	6.0	6.7	7.5	8.2	9.0	9.7	10.4	11.1	11.8	12.5	13.1
177.5°	5.2	5.5	5.9	6.3	6.6	7.0	7.3	7.7	8.0	8.3	8.6
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	8.9	9.2	9.5	9.8	10.1	10.3	10.6	10.8	11.1	11.3	11.5
5°	13.8	14.4	15.0	15.6	16.2	16.7	17.2	17.7	18.2	18.7	19.1
7.5°	18.8	19.7	20.5	21.3	22.1	22.9	23.7	24.4	25.1	25.8	26.4
10°	24.4	25.6	26.6	27.7	28.7	29.6	30.5	31.3	32.1	33.0	33.8
12.5°	29.8	31.2	32.6	34.0	35.3	36.5	37.6	38.6	39.6	40.5	41.3
15°	35.1	36.8	38.5	40.1	41.6	43.1	44.5	45.9	47.1	48.2	49.2
17.5°	40.1	42.2	44.3	46.1	47.9	49.7	51.3	52.9	54.4	55.8	57.1
20°	44.9	47.2	49.6	51.9	54.1	56.2	58.1	59.9	61.6	63.2	64.7
22.5°	50.0	52.5	54.9	57.3	59.8	62.3	64.7	66.8	68.7	70.5	72.3
25°	54.6	57.6	60.6	63.2	65.7	68.1	70.8	73.4	75.8	77.9	81.8
27.5°	59.0	62.3	65.5	68.7	71.8	74.4	78.6	83.5	88.9	94.4	99.7
30°	63.4	66.9	70.4	74.4	79.0	83.9	89.2	95.0	101.5	108.5	115.7
32.5°	67.5	71.6	75.8	80.5	85.5	91.1	97.2	104.2	112.0	120.5	129.5
35°	71.6	75.9	80.5	85.2	90.7	96.8	103.7	111.2	120.2	130.3	141.2
37.5°	75.3	80.0	84.6	89.6	94.9	101.3	108.7	117.2	126.4	138.1	151.0
40°	78.7	83.7	88.7	93.7	99.2	105.2	112.9	121.8	132.2	143.8	159.1
42.5°	81.9	87.4	92.7	97.9	103.4	109.5	116.4	125.9	136.8	149.4	165.2
45°	85.3	91.0	96.8	102.1	107.6	113.6	120.7	128.9	140.9	154.4	169.7
47.5°	89.1	94.6	100.6	106.6	112.1	118.1	124.6	133.1	144.2	158.4	175.1
50°	92.5	98.8	104.5	110.8	117.0	122.6	129.3	137.5	148.4	164.0	180.8
52.5°	95.6	102.5	108.9	114.9	121.6	130.2	138.1	146.8	157.5	171.1	187.1
55°	98.5	106.1	113.6	122.5	132.5	142.8	149.7	157.6	167.0	178.8	194.4
57.5°	101.5	110.6	120.4	131.0	142.7	154.3	162.9	169.0	176.7	188.2	202.8
60°	105.3	114.9	125.9	137.9	151.2	165.1	177.0	181.5	188.3	198.5	211.9
62.5°	107.8	118.5	130.4	143.5	158.2	175.1	189.3	195.6	200.5	209.0	221.5
65°	109.3	121.2	134.1	148.3	164.4	183.1	200.4	210.4	213.2	219.7	231.7
67.5°	110.8	123.2	137.4	152.9	170.1	190.0	211.3	226.0	226.4	231.5	242.8
70°	111.9	125.1	140.1	157.0	175.1	196.2	221.6	239.6	241.4	243.6	251.5
72.5°	113.0	126.9	142.3	160.9	180.0	201.2	224.0	240.5	243.4	244.0	251.0
75°	114.1	129.0	145.2	163.8	183.7	203.4	222.3	237.5	243.3	244.2	250.8
77.5°	115.7	131.5	148.4	167.1	187.6	207.2	222.9	235.4	242.8	244.3	250.8
80°	117.5	134.2	152.2	171.0	192.0	212.3	225.5	234.2	241.8	244.2	251.0
82.5°	119.6	137.3	156.4	175.6	196.9	218.6	229.5	233.6	240.6	244.1	251.4
85°	122.2	140.9	161.3	180.9	202.4	225.8	234.7	233.6	239.2	244.0	252.0
87.5°	125.5	145.2	166.9	187.0	208.7	233.7	240.4	233.9	237.8	244.0	252.9
90°	129.7	150.4	173.3	194.0	215.8	242.0	246.3	234.4	236.5	244.2	254.0
92.5°	125.5	145.2	166.9	187.0	208.7	233.7	240.4	233.9	237.8	244.0	252.9
95°	122.2	140.9	161.3	180.9	202.4	225.8	234.7	233.6	239.2	244.0	252.0
97.5°	119.6	137.3	156.4	175.6	196.9	218.6	229.5	233.6	240.6	244.1	251.4
100°	117.5	134.2	152.2	171.0	192.0	212.3	225.5	234.2	241.8	244.2	251.0
102.5°	115.7	131.5	148.4	167.1	187.6	207.2	222.9	235.4	242.8	244.3	250.8
105°	114.1	129.0	145.2	163.8	183.7	203.4	222.3	237.5	243.3	244.2	250.8
107.5°	113.0	126.9	142.3	160.9	180.0	201.2	224.0	240.5	243.4	244.0	251.0
110°	111.9	125.1	140.1	157.0	175.1	196.2	221.6	239.6	241.4	243.6	251.5



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	110.8	123.2	137.4	152.9	170.1	190.0	211.3	226.0	226.4	231.5	242.8
115°	109.3	121.2	134.1	148.3	164.4	183.1	200.4	210.4	213.2	219.7	231.7
117.5°	107.8	118.5	130.4	143.5	158.2	175.1	189.3	195.6	200.5	209.0	221.5
120°	105.3	114.9	125.9	137.9	151.2	165.1	177.0	181.5	188.3	198.5	211.9
122.5°	101.5	110.6	120.4	131.0	142.7	154.3	162.9	169.0	176.7	188.2	202.8
125°	98.5	106.1	113.6	122.5	132.5	142.8	149.7	157.6	167.0	178.8	194.4
127.5°	95.6	102.5	108.9	114.9	121.6	130.2	138.1	146.8	157.5	171.1	187.1
130°	92.5	98.8	104.5	110.8	117.0	122.6	129.3	137.5	148.4	164.0	180.8
132.5°	89.1	94.6	100.6	106.6	112.1	118.1	124.6	133.1	144.2	158.4	175.1
135°	85.3	91.0	96.8	102.1	107.6	113.6	120.7	128.9	140.9	154.4	169.7
137.5°	81.9	87.4	92.7	97.9	103.4	109.5	116.4	125.9	136.8	149.4	165.2
140°	78.7	83.7	88.7	93.7	99.2	105.2	112.9	121.8	132.2	143.8	159.1
142.5°	75.3	80.0	84.6	89.6	94.9	101.3	108.7	117.2	126.4	138.1	151.0
145°	71.6	75.9	80.5	85.2	90.7	96.8	103.7	111.2	120.2	130.3	141.2
147.5°	67.5	71.6	75.8	80.5	85.5	91.1	97.2	104.2	112.0	120.5	129.5
150°	63.4	66.9	70.4	74.4	79.0	83.9	89.2	95.0	101.5	108.5	115.7
152.5°	59.0	62.3	65.5	68.7	71.8	74.4	78.6	83.5	88.9	94.4	99.7
155°	54.6	57.6	60.6	63.2	65.7	68.1	70.8	73.4	75.8	77.9	81.8
157.5°	50.0	52.5	54.9	57.3	59.8	62.3	64.7	66.8	68.7	70.5	72.3
160°	44.9	47.2	49.6	51.9	54.1	56.2	58.1	59.9	61.6	63.2	64.7
162.5°	40.1	42.2	44.3	46.1	47.9	49.7	51.3	52.9	54.4	55.8	57.1
165°	35.1	36.8	38.5	40.1	41.6	43.1	44.5	45.9	47.1	48.2	49.2
167.5°	29.8	31.2	32.6	34.0	35.3	36.5	37.6	38.6	39.6	40.5	41.3
170°	24.4	25.6	26.6	27.7	28.7	29.6	30.5	31.3	32.1	33.0	33.8
172.5°	18.8	19.7	20.5	21.3	22.1	22.9	23.7	24.4	25.1	25.8	26.4
175°	13.8	14.4	15.0	15.6	16.2	16.7	17.2	17.7	18.2	18.7	19.1
177.5°	8.9	9.2	9.5	9.8	10.1	10.3	10.6	10.8	11.1	11.3	11.5
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	11.7	11.8	12.0	12.1	12.2	12.4	12.4	12.5	12.6	12.6	13.8
5°	19.5	19.9	20.3	20.6	20.9	21.2	21.4	21.6	21.8	21.9	24.3
7.5°	27.0	27.6	28.1	28.7	29.2	29.7	30.2	30.6	31.0	31.3	34.7
10°	34.6	35.3	35.9	36.6	37.3	38.1	38.8	39.5	40.1	40.6	45.1
12.5°	42.1	43.0	43.8	44.6	45.2	46.2	47.2	48.2	49.1	49.9	55.5
15°	50.0	50.8	51.7	52.6	53.4	54.2	55.4	56.8	58.1	59.2	65.8
17.5°	58.1	59.0	59.8	60.7	61.6	62.4	63.5	65.3	67.0	68.6	76.0
20°	66.1	67.2	68.1	68.8	69.8	70.7	71.6	73.7	75.8	77.9	86.2
22.5°	73.9	75.4	76.4	77.2	78.1	79.1	79.9	82.0	84.6	87.2	96.3
25°	85.8	89.8	93.7	97.0	100.1	103.5	106.9	110.7	115.3	119.5	130.1
27.5°	105.0	110.3	115.5	120.3	124.7	129.4	134.5	139.7	146.0	151.9	164.1
30°	122.5	129.3	136.0	142.6	148.5	154.2	161.4	168.2	176.5	184.2	198.3
32.5°	138.3	146.9	155.3	163.6	171.3	178.7	187.5	196.6	206.7	216.5	232.5
35°	152.4	163.0	173.5	183.6	193.4	202.6	213.0	224.6	236.8	248.9	266.8
37.5°	164.4	177.7	190.3	202.6	215.0	225.8	237.8	252.1	266.7	281.2	301.2
40°	174.8	191.0	206.0	220.8	234.9	248.4	262.0	279.2	296.5	313.5	335.7
42.5°	183.8	202.4	220.6	238.7	254.5	270.4	286.3	305.9	326.1	345.9	370.2
45°	191.0	212.7	234.3	254.3	273.5	292.0	309.7	332.3	355.5	378.2	404.8
47.5°	196.6	219.8	241.6	261.5	280.5	298.9	317.7	341.3	367.2	393.7	422.2
50°	199.6	222.3	243.5	263.6	283.1	302.6	323.6	349.2	378.4	409.2	439.4
52.5°	204.7	226.0	246.6	266.3	285.8	306.4	329.3	357.0	389.4	424.7	456.6
55°	211.8	231.1	250.7	269.4	288.8	310.2	334.8	364.6	400.3	440.2	473.7
57.5°	219.5	237.5	255.9	273.2	292.3	314.1	340.1	372.1	411.1	455.8	490.8
60°	227.7	245.2	262.7	277.9	296.2	318.0	345.3	379.6	421.7	471.3	507.9
62.5°	236.5	253.8	269.1	283.4	300.4	322.1	350.3	386.9	432.3	486.8	524.9
65°	246.2	262.9	277.1	289.7	305.0	326.3	355.3	394.2	442.8	502.3	541.9
67.5°	256.5	272.5	285.9	296.6	310.0	330.6	360.3	401.5	453.2	517.8	558.9
70°	262.6	275.8	287.5	296.3	307.9	327.5	356.9	398.4	450.3	516.5	564.1
72.5°	261.5	273.2	284.6	293.2	304.2	323.6	353.0	395.2	447.4	515.1	569.4
75°	261.0	271.0	282.0	290.2	300.7	319.9	349.4	392.1	444.7	513.8	576.9
77.5°	260.9	269.4	279.5	287.3	297.4	316.4	346.0	389.3	442.0	512.5	581.8
80°	261.2	268.2	277.1	284.6	294.2	313.1	342.8	386.7	439.4	511.1	586.6
82.5°	261.8	267.3	275.0	281.9	291.3	309.9	339.9	384.2	437.0	509.8	591.5
85°	262.7	266.7	272.9	279.4	288.5	307.0	337.2	382.0	434.8	508.5	596.3
87.5°	263.7	266.3	271.0	277.0	285.8	304.4	334.7	380.0	432.6	507.1	601.2
90°	264.9	266.0	269.2	274.7	283.4	301.9	332.5	378.2	430.6	505.8	606.0
92.5°	263.7	266.3	271.0	277.0	285.8	304.4	334.7	380.0	432.6	507.1	601.2
95°	262.7	266.7	272.9	279.4	288.5	307.0	337.2	382.0	434.8	508.5	596.3
97.5°	261.8	267.3	275.0	281.9	291.3	309.9	339.9	384.2	437.0	509.8	591.5
100°	261.2	268.2	277.1	284.6	294.2	313.1	342.8	386.7	439.4	511.1	586.6
102.5°	260.9	269.4	279.5	287.3	297.4	316.4	346.0	389.3	442.0	512.5	581.8
105°	261.0	271.0	282.0	290.2	300.7	319.9	349.4	392.1	444.7	513.8	576.9
107.5°	261.5	273.2	284.6	293.2	304.2	323.6	353.0	395.2	447.4	515.1	569.4
110°	262.6	275.8	287.5	296.3	307.9	327.5	356.9	398.4	450.3	516.5	564.1





TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-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°	256.5	272.5	285.9	296.6	310.0	330.6	360.3	401.5	453.2	517.8	558.9
115°	246.2	262.9	277.1	289.7	305.0	326.3	355.3	394.2	442.8	502.3	541.9
117.5°	236.5	253.8	269.1	283.4	300.4	322.1	350.3	386.9	432.3	486.8	524.9
120°	227.7	245.2	262.7	277.9	296.2	318.0	345.3	379.6	421.7	471.3	507.9
122.5°	219.5	237.5	255.9	273.2	292.3	314.1	340.1	372.1	411.1	455.8	490.8
125°	211.8	231.1	250.7	269.4	288.8	310.2	334.8	364.6	400.3	440.2	473.7
127.5°	204.7	226.0	246.6	266.3	285.8	306.4	329.3	357.0	389.4	424.7	456.6
130°	199.6	222.3	243.5	263.6	283.1	302.6	323.6	349.2	378.4	409.2	439.4
132.5°	196.6	219.8	241.6	261.5	280.5	298.9	317.7	341.3	367.2	393.7	422.2
135°	191.0	212.7	234.3	254.3	273.5	292.0	309.7	332.3	355.5	378.2	404.8
137.5°	183.8	202.4	220.6	238.7	254.5	270.4	286.3	305.9	326.1	345.9	370.2
140°	174.8	191.0	206.0	220.8	234.9	248.4	262.0	279.2	296.5	313.5	335.7
142.5°	164.4	177.7	190.3	202.6	215.0	225.8	237.8	252.1	266.7	281.2	301.2
145°	152.4	163.0	173.5	183.6	193.4	202.6	213.0	224.6	236.8	248.9	266.8
147.5°	138.3	146.9	155.3	163.6	171.3	178.7	187.5	196.6	206.7	216.5	232.5
150°	122.5	129.3	136.0	142.6	148.5	154.2	161.4	168.2	176.5	184.2	198.3
152.5°	105.0	110.3	115.5	120.3	124.7	129.4	134.5	139.7	146.0	151.9	164.1
155°	85.8	89.8	93.7	97.0	100.1	103.5	106.9	110.7	115.3	119.5	130.1
157.5°	73.9	75.4	76.4	77.2	78.1	79.1	79.9	82.0	84.6	87.2	96.3
160°	66.1	67.2	68.1	68.8	69.8	70.7	71.6	73.7	75.8	77.9	86.2
162.5°	58.1	59.0	59.8	60.7	61.6	62.4	63.5	65.3	67.0	68.6	76.0
165°	50.0	50.8	51.7	52.6	53.4	54.2	55.4	56.8	58.1	59.2	65.8
167.5°	42.1	43.0	43.8	44.6	45.2	46.2	47.2	48.2	49.1	49.9	55.5
170°	34.6	35.3	35.9	36.6	37.3	38.1	38.8	39.5	40.1	40.6	45.1
172.5°	27.0	27.6	28.1	28.7	29.2	29.7	30.2	30.6	31.0	31.3	34.7
175°	19.5	19.9	20.3	20.6	20.9	21.2	21.4	21.6	21.8	21.9	24.3
177.5°	11.7	11.8	12.0	12.1	12.2	12.4	12.4	12.5	12.6	12.6	13.8
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	15.0	16.2	17.3	18.4	19.5	20.6	21.6	22.6	23.5	24.4	25.3
5°	26.6	28.9	31.2	33.3	35.5	37.5	39.5	41.5	43.4	45.2	46.9
7.5°	38.2	41.5	44.8	48.0	51.2	54.2	57.4	61.2	64.9	68.4	71.9
10°	49.6	54.0	58.3	62.5	66.9	72.3	77.6	82.7	87.7	92.5	97.4
12.5°	60.9	66.3	71.6	77.4	84.5	91.3	98.0	104.5	110.9	117.3	123.5
15°	72.2	78.5	85.0	93.7	102.2	110.5	118.5	126.2	133.7	141.0	149.2
17.5°	83.3	90.5	99.8	110.0	120.0	129.5	138.1	146.5	154.9	163.0	170.7
20°	94.4	102.7	114.6	126.3	137.7	147.0	156.3	165.5	174.8	183.8	192.6
22.5°	105.3	116.0	129.5	142.8	153.6	163.5	173.3	183.8	194.1	204.1	213.6
25°	140.0	152.3	165.7	177.5	186.0	193.9	201.9	209.6	216.5	222.3	232.2
27.5°	175.7	190.2	204.7	215.9	225.1	233.7	241.8	249.3	255.1	260.5	265.7
30°	211.7	227.9	243.8	254.0	264.5	272.4	280.5	286.5	292.0	297.3	302.3
32.5°	248.1	265.5	280.9	291.9	301.7	310.0	316.8	322.1	327.3	332.2	339.5
35°	284.5	302.9	317.9	329.6	338.6	347.0	351.5	356.3	361.0	366.9	376.6
37.5°	320.8	340.2	354.8	366.8	374.5	380.7	384.9	389.1	393.8	402.2	412.5
40°	356.9	377.3	391.4	402.5	409.4	413.7	417.0	420.5	426.5	435.3	449.8
42.5°	393.0	413.9	427.9	437.4	443.3	445.7	448.1	450.6	458.4	469.6	485.0
45°	428.9	449.7	464.1	471.6	475.5	476.5	478.0	481.6	488.5	503.2	520.5
47.5°	450.6	476.5	496.5	507.4	514.0	516.5	516.1	515.3	520.1	536.1	555.2
50°	472.3	503.3	528.9	546.2	560.2	572.0	581.9	593.4	603.7	610.3	613.9
52.5°	494.5	531.2	562.5	587.2	610.0	632.5	655.8	679.6	700.9	712.8	714.6
55°	517.2	560.0	597.7	630.5	663.1	697.7	735.9	772.8	802.8	817.3	806.6
57.5°	540.3	589.6	634.4	676.4	719.7	767.2	821.7	871.0	905.2	914.8	890.3
60°	563.7	619.9	672.4	724.5	780.3	841.2	912.7	973.7	1009.1	1001.6	969.9
62.5°	587.5	650.9	711.6	774.4	843.6	921.1	1007.6	1080.4	1114.2	1082.2	1044.9
65°	611.5	682.3	751.7	826.0	909.4	1004.3	1104.7	1184.4	1219.5	1157.3	1115.4
67.5°	635.6	714.1	792.5	878.9	977.1	1090.2	1204.1	1286.5	1302.7	1230.5	1182.2
70°	640.7	721.3	804.6	898.0	1005.7	1132.7	1258.9	1351.1	1362.7	1299.3	1248.0
72.5°	644.6	726.1	812.1	908.0	1017.6	1145.7	1266.4	1353.4	1360.7	1317.8	1276.9
75°	648.0	730.5	819.0	917.0	1027.8	1156.2	1270.7	1355.9	1366.5	1340.8	1301.3
77.5°	651.0	734.4	825.5	925.1	1036.5	1164.1	1272.1	1358.4	1378.7	1367.5	1325.8
80°	655.6	737.9	831.3	932.1	1043.7	1169.7	1270.8	1360.5	1396.0	1397.2	1350.5
82.5°	656.9	743.0	839.9	938.2	1049.5	1173.2	1267.1	1361.8	1416.9	1429.2	1375.9
85°	658.1	744.3	842.6	945.3	1056.4	1177.9	1264.1	1365.7	1439.8	1462.6	1402.1
87.5°	659.3	745.5	845.3	947.9	1057.4	1174.8	1254.5	1361.9	1464.3	1496.9	1428.6
90°	660.5	746.7	848.0	950.5	1058.4	1171.8	1244.8	1358.1	1485.7	1530.4	1458.4
92.5°	659.3	745.5	845.3	947.9	1057.4	1174.8	1254.5	1361.9	1464.3	1496.9	1428.6
95°	658.1	744.3	842.6	945.3	1056.4	1177.9	1264.1	1365.7	1439.8	1462.6	1402.1
97.5°	656.9	743.0	839.9	938.2	1049.5	1173.2	1267.1	1361.8	1416.9	1429.2	1375.9
100°	655.6	737.9	831.3	932.1	1043.7	1169.7	1270.8	1360.5	1396.0	1397.2	1350.5
102.5°	651.0	734.4	825.5	925.1	1036.5	1164.1	1272.1	1358.4	1378.7	1367.5	1325.8
105°	648.0	730.5	819.0	917.0	1027.8	1156.2	1270.7	1355.9	1366.5	1340.8	1301.3
107.5°	644.6	726.1	812.1	908.0	1017.6	1145.7	1266.4	1353.4	1360.7	1317.8	1276.9
110°	640.7	721.3	804.6	898.0	1005.7	1132.7	1258.9	1351.1	1362.7	1299.3	1248.0



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	635.6	714.1	792.5	878.9	977.1	1090.2	1204.1	1286.5	1302.7	1230.5	1182.2
115°	611.5	682.3	751.7	826.0	909.4	1004.3	1104.7	1184.4	1219.5	1157.3	1115.4
117.5°	587.5	650.9	711.6	774.4	843.6	921.1	1007.6	1080.4	1114.2	1082.2	1044.9
120°	563.7	619.9	672.4	724.5	780.3	841.2	912.7	973.7	1009.1	1001.6	969.9
122.5°	540.3	589.6	634.4	676.4	719.7	767.2	821.7	871.0	905.2	914.8	890.3
125°	517.2	560.0	597.7	630.5	663.1	697.7	735.9	772.8	802.8	817.3	806.6
127.5°	494.5	531.2	562.5	587.2	610.0	632.5	655.8	679.6	700.9	712.8	714.6
130°	472.3	503.3	528.9	546.2	560.2	572.0	581.9	593.4	603.7	610.3	613.9
132.5°	450.6	476.5	496.5	507.4	514.0	516.5	516.1	515.3	520.1	536.1	555.2
135°	428.9	449.7	464.1	471.6	475.5	476.5	478.0	481.6	488.5	503.2	520.5
137.5°	393.0	413.9	427.9	437.4	443.3	445.7	448.1	450.6	458.4	469.6	485.0
140°	356.9	377.3	391.4	402.5	409.4	413.7	417.0	420.5	426.5	435.3	449.8
142.5°	320.8	340.2	354.8	366.8	374.5	380.7	384.9	389.1	393.8	402.2	412.5
145°	284.5	302.9	317.9	329.6	338.6	347.0	351.5	356.3	361.0	366.9	376.6
147.5°	248.1	265.5	280.9	291.9	301.7	310.0	316.8	322.1	327.3	332.2	339.5
150°	211.7	227.9	243.8	254.0	264.5	272.4	280.5	286.5	292.0	297.3	302.3
152.5°	175.7	190.2	204.7	215.9	225.1	233.7	241.8	249.3	255.1	260.5	265.7
155°	140.0	152.3	165.7	177.5	186.0	193.9	201.9	209.6	216.5	222.3	232.2
157.5°	105.3	116.0	129.5	142.8	153.6	163.5	173.3	183.8	194.1	204.1	213.6
160°	94.4	102.7	114.6	126.3	137.7	147.0	156.3	165.5	174.8	183.8	192.6
162.5°	83.3	90.5	99.8	110.0	120.0	129.5	138.1	146.5	154.9	163.0	170.7
165°	72.2	78.5	85.0	93.7	102.2	110.5	118.5	126.2	133.7	141.0	149.2
167.5°	60.9	66.3	71.6	77.4	84.5	91.3	98.0	104.5	110.9	117.3	123.5
170°	49.6	54.0	58.3	62.5	66.9	72.3	77.6	82.7	87.7	92.5	97.4
172.5°	38.2	41.5	44.8	48.0	51.2	54.2	57.4	61.2	64.9	68.4	71.9
175°	26.6	28.9	31.2	33.3	35.5	37.5	39.5	41.5	43.4	45.2	46.9
177.5°	15.0	16.2	17.3	18.4	19.5	20.6	21.6	22.6	23.5	24.4	25.3
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	26.1	26.9	27.7	28.4	29.1	29.7	30.2	30.7	31.2	31.6	32.0
5°	49.1	51.1	53.1	54.9	56.7	58.3	59.8	61.2	62.4	63.6	64.6
7.5°	75.1	78.3	81.2	84.0	86.8	89.9	92.9	95.6	98.2	100.6	102.8
10°	102.1	106.9	111.6	116.2	120.5	124.7	128.6	132.0	134.8	137.4	139.8
12.5°	129.6	135.5	141.2	146.0	150.6	155.0	159.1	162.9	166.5	170.6	175.0
15°	154.8	161.1	167.2	172.9	178.6	185.2	191.6	197.7	203.7	209.4	214.6
17.5°	178.3	186.5	193.5	201.3	209.1	216.7	223.6	229.9	236.0	241.8	247.3
20°	201.5	210.4	219.2	227.7	235.6	243.2	250.7	258.2	265.6	272.4	278.6
22.5°	223.1	232.5	241.5	250.4	259.3	269.2	278.8	287.8	295.7	301.8	306.6
25°	242.1	251.9	262.7	274.0	286.1	297.5	308.3	317.7	325.6	332.6	339.3
27.5°	270.6	276.8	286.2	300.4	315.6	329.7	343.6	353.8	364.1	372.8	379.8
30°	309.6	319.1	329.1	341.8	354.0	367.9	383.2	396.4	407.2	416.3	424.7
32.5°	349.2	360.5	374.3	388.0	402.7	416.7	429.1	440.7	452.6	464.0	474.2
35°	388.1	402.7	417.9	434.1	449.6	464.0	477.4	489.9	501.4	514.7	530.1
37.5°	427.7	443.6	461.2	478.5	495.1	510.6	525.1	539.6	555.4	572.1	590.4
40°	465.6	484.3	503.2	522.1	539.7	556.1	574.0	592.3	613.4	636.7	662.9
42.5°	504.0	523.8	545.0	564.6	582.8	603.4	624.0	649.2	677.2	711.1	747.6
45°	540.6	563.6	585.5	605.5	627.8	650.7	677.8	707.8	748.0	790.9	840.0
47.5°	578.0	602.7	624.2	647.4	672.4	700.0	732.1	774.4	823.0	876.1	944.4
50°	618.7	639.3	662.5	689.4	717.0	748.1	791.7	843.0	902.2	979.0	1060.1
52.5°	711.9	711.8	718.5	729.9	759.9	801.3	852.3	913.4	996.4	1086.3	1182.3
55°	797.1	793.3	797.9	803.0	822.9	855.6	912.0	997.7	1092.9	1195.4	1318.6
57.5°	875.9	869.2	867.1	871.5	895.1	935.9	999.0	1083.6	1189.5	1315.2	1451.7
60°	949.5	938.5	929.9	939.2	966.7	1012.6	1090.8	1185.4	1297.8	1426.8	1573.2
62.5°	1019.7	1001.4	987.9	999.7	1033.4	1094.2	1177.8	1279.5	1407.1	1545.0	1702.9
65°	1084.9	1058.6	1047.2	1060.4	1096.9	1164.9	1256.5	1373.9	1509.9	1664.0	1849.7
67.5°	1145.7	1110.6	1100.9	1117.6	1161.9	1233.7	1330.7	1456.1	1604.5	1792.1	2000.0
70°	1202.6	1159.8	1149.6	1169.3	1217.9	1294.5	1401.5	1537.4	1705.9	1910.0	2132.8
72.5°	1234.9	1203.1	1198.4	1219.7	1267.1	1349.9	1461.2	1609.0	1804.7	2009.8	2214.7
75°	1260.3	1237.7	1240.8	1268.4	1321.5	1404.0	1520.2	1676.8	1891.4	2084.5	2286.7
77.5°	1288.1	1273.4	1282.5	1314.4	1372.2	1460.0	1582.1	1750.5	1952.8	2143.9	2341.1
80°	1318.1	1309.8	1323.3	1357.8	1418.6	1508.7	1633.2	1807.2	2001.9	2200.4	2402.3
82.5°	1349.9	1346.8	1363.3	1398.8	1460.9	1550.6	1674.4	1847.9	2040.1	2245.1	2451.2
85°	1383.0	1384.2	1402.6	1437.8	1499.4	1586.5	1706.7	1874.4	2067.1	2277.4	2487.0
87.5°	1417.0	1422.0	1441.6	1475.6	1536.0	1619.1	1734.1	1892.9	2088.4	2303.6	2516.3
90°	1451.9	1459.5	1479.1	1510.7	1567.4	1643.7	1749.5	1893.3	2087.4	2303.2	2516.8
92.5°	1417.0	1422.0	1441.6	1475.6	1536.0	1619.1	1734.1	1892.9	2088.4	2303.6	2516.3
95°	1383.0	1384.2	1402.6	1437.8	1499.4	1586.5	1706.7	1874.4	2067.1	2277.4	2487.0
97.5°	1349.9	1346.8	1363.3	1398.8	1460.9	1550.6	1674.4	1847.9	2040.1	2245.1	2451.2
100°	1318.1	1309.8	1323.3	1357.8	1418.6	1508.7	1633.2	1807.2	2001.9	2200.4	2402.3
102.5°	1288.1	1273.4	1282.5	1314.4	1372.2	1460.0	1582.1	1750.5	1952.8	2143.9	2341.1
105°	1260.3	1237.7	1240.8	1268.4	1321.5	1404.0	1520.2	1676.8	1891.4	2084.5	2286.7
107.5°	1234.9	1203.1	1198.4	1219.7	1267.1	1349.9	1461.2	1609.0	1804.7	2009.8	2214.7
110°	1202.6	1159.8	1149.6	1169.3	1217.9	1294.5	1401.5	1537.4	1705.9	1910.0	2132.8



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-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°	1145.7	1110.6	1100.9	1117.6	1161.9	1233.7	1330.7	1456.1	1604.5	1792.1	2000.0
115°	1084.9	1058.6	1047.2	1060.4	1096.9	1164.9	1256.5	1373.9	1509.9	1664.0	1849.7
117.5°	1019.7	1001.4	987.9	999.7	1033.4	1094.2	1177.8	1279.5	1407.1	1545.0	1702.9
120°	949.5	938.5	929.9	939.2	966.7	1012.6	1090.8	1185.4	1297.8	1426.8	1573.2
122.5°	875.9	869.2	867.1	871.5	895.1	935.9	999.0	1083.6	1189.5	1315.2	1451.7
125°	797.1	793.3	797.9	803.0	822.9	855.6	912.0	997.7	1092.9	1195.4	1318.6
127.5°	711.9	711.8	718.5	729.9	759.9	801.3	852.3	913.4	996.4	1086.3	1182.3
130°	618.7	639.3	662.5	689.4	717.0	748.1	791.7	843.0	902.2	979.0	1060.1
132.5°	578.0	602.7	624.2	647.4	672.4	700.0	732.1	774.4	823.0	876.1	944.4
135°	540.6	563.6	585.5	605.5	627.8	650.7	677.8	707.8	748.0	790.9	840.0
137.5°	504.0	523.8	545.0	564.6	582.8	603.4	624.0	649.2	677.2	711.1	747.6
140°	465.6	484.3	503.2	522.1	539.7	556.1	574.0	592.3	613.4	636.7	662.9
142.5°	427.7	443.6	461.2	478.5	495.1	510.6	525.1	539.6	555.4	572.1	590.4
145°	388.1	402.7	417.9	434.1	449.6	464.0	477.4	489.9	501.4	514.7	530.1
147.5°	349.2	360.5	374.3	388.0	402.7	416.7	429.1	440.7	452.6	464.0	474.2
150°	309.6	319.1	329.1	341.8	354.0	367.9	383.2	396.4	407.2	416.3	424.7
152.5°	270.6	276.8	286.2	300.4	315.6	329.7	343.6	353.8	364.1	372.8	379.8
155°	242.1	251.9	262.7	274.0	286.1	297.5	308.3	317.7	325.6	332.6	339.3
157.5°	223.1	232.5	241.5	250.4	259.3	269.2	278.8	287.8	295.7	301.8	306.6
160°	201.5	210.4	219.2	227.7	235.6	243.2	250.7	258.2	265.6	272.4	278.6
162.5°	178.3	186.5	193.5	201.3	209.1	216.7	223.6	229.9	236.0	241.8	247.3
165°	154.8	161.1	167.2	172.9	178.6	185.2	191.6	197.7	203.7	209.4	214.6
167.5°	129.6	135.5	141.2	146.0	150.6	155.0	159.1	162.9	166.5	170.6	175.0
170°	102.1	106.9	111.6	116.2	120.5	124.7	128.6	132.0	134.8	137.4	139.8
172.5°	75.1	78.3	81.2	84.0	86.8	89.9	92.9	95.6	98.2	100.6	102.8
175°	49.1	51.1	53.1	54.9	56.7	58.3	59.8	61.2	62.4	63.6	64.6
177.5°	26.1	26.9	27.7	28.4	29.1	29.7	30.2	30.7	31.2	31.6	32.0
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	32.3	32.5	32.7	32.8	32.9	33.0	33.9	33.5	33.1	32.8	32.4
5°	65.4	66.2	66.8	67.3	67.6	67.8	67.9	67.8	68.6	67.8	67.0
7.5°	104.8	106.6	108.2	109.6	110.7	111.6	112.3	112.8	113.0	114.1	113.1
10°	141.9	143.8	145.5	146.8	148.0	148.8	149.4	149.7	149.8	150.8	149.6
12.5°	179.0	182.7	186.2	189.3	192.0	194.4	196.5	198.1	199.3	200.0	201.3
15°	218.9	222.9	226.5	229.9	232.8	235.4	237.7	239.5	240.9	241.9	243.4
17.5°	252.4	257.0	261.0	264.5	267.5	270.0	271.9	273.4	274.4	274.9	275.8
20°	284.2	288.5	290.6	291.9	292.4	292.2	291.4	289.9	288.0	285.6	283.2
22.5°	310.2	312.6	315.0	316.9	317.8	317.7	316.7	314.8	312.2	308.8	305.6
25°	344.5	348.3	350.8	352.7	353.4	352.9	351.5	349.0	345.6	341.2	336.1
27.5°	385.4	389.5	392.3	395.1	398.1	400.0	400.7	400.2	398.5	395.6	391.4
30°	431.7	438.8	444.8	449.7	458.4	466.0	472.4	477.5	481.0	482.9	482.8
32.5°	484.7	497.8	510.4	522.4	535.4	548.0	558.9	567.9	574.9	579.6	581.9
35°	545.6	564.7	584.2	602.5	620.7	642.7	662.5	679.7	694.0	705.2	713.0
37.5°	614.4	639.5	670.8	700.6	728.7	758.2	785.4	809.3	829.6	846.0	858.2
40°	695.4	730.8	770.8	810.5	847.8	887.9	930.1	968.1	1001.3	1029.1	1051.0
42.5°	789.7	832.4	881.3	939.7	995.6	1049.2	1101.9	1148.9	1189.7	1223.8	1250.8
45°	892.1	955.8	1016.1	1086.7	1156.0	1227.5	1291.6	1354.7	1407.3	1449.5	1481.0
47.5°	1016.1	1092.6	1168.6	1252.7	1351.2	1439.8	1522.5	1597.6	1661.1	1712.4	1751.1
50°	1148.3	1241.1	1352.9	1462.7	1577.8	1682.4	1782.3	1884.7	1973.5	2047.2	2104.6
52.5°	1295.1	1417.6	1546.7	1677.2	1823.4	1968.5	2095.6	2199.5	2297.0	2385.2	2460.9
55°	1449.9	1590.1	1742.1	1914.8	2080.6	2223.1	2351.9	2468.6	2574.2	2668.9	2750.6
57.5°	1597.0	1766.9	1952.3	2132.5	2307.5	2439.6	2570.8	2690.3	2794.3	2891.3	2978.7
60°	1748.5	1943.3	2148.0	2329.2	2489.0	2623.6	2739.4	2854.2	2960.8	3057.8	3144.2
62.5°	1893.3	2123.0	2320.3	2497.5	2632.6	2762.0	2878.1	2987.7	3098.2	3198.8	3287.5
65°	2067.9	2273.3	2461.5	2608.0	2747.5	2878.9	3000.3	3115.4	3225.5	3327.4	3415.3
67.5°	2213.6	2407.5	2554.5	2702.2	2846.0	2979.8	3109.0	3231.5	3345.6	3448.3	3535.5
70°	2324.9	2497.9	2649.4	2789.3	2926.1	3067.6	3204.7	3332.9	3455.4	3558.5	3636.4
72.5°	2409.5	2580.7	2732.2	2867.1	3002.9	3140.6	3280.7	3413.4	3545.9	3669.4	3739.4
75°	2478.4	2646.0	2792.1	2931.2	3074.2	3207.3	3333.8	3475.7	3620.9	3751.1	3825.3
77.5°	2535.8	2699.8	2834.9	2983.1	3127.5	3262.6	3391.2	3522.0	3667.9	3794.7	3883.4
80°	2582.1	2730.5	2866.9	3019.2	3166.5	3307.2	3441.6	3577.2	3702.6	3828.1	3915.7
82.5°	2615.6	2757.8	2902.5	3049.2	3190.8	3330.0	3477.5	3623.4	3756.2	3874.3	3936.0
85°	2632.7	2775.7	2924.3	3069.0	3216.7	3360.7	3505.2	3650.4	3795.0	3897.1	3920.7
87.5°	2640.2	2782.9	2931.6	3072.1	3229.3	3377.9	3515.3	3660.4	3808.3	3922.6	3963.7
90°	2626.9	2778.4	2924.5	3059.6	3225.3	3375.7	3498.9	3641.7	3783.4	3930.5	3982.9
92.5°	2640.2	2782.9	2931.6	3072.1	3229.3	3377.9	3515.3	3660.4	3808.3	3922.6	3963.7
95°	2632.7	2775.7	2924.3	3069.0	3216.7	3360.7	3505.2	3650.4	3795.0	3897.1	3920.7
97.5°	2615.6	2757.8	2902.5	3049.2	3190.8	3330.0	3477.5	3623.4	3756.2	3874.3	3936.0
100°	2582.1	2730.5	2866.9	3019.2	3166.5	3307.2	3441.6	3577.2	3702.6	3828.1	3915.7
102.5°	2535.8	2699.8	2834.9	2983.1	3127.5	3262.6	3391.2	3522.0	3667.9	3794.7	3883.4
105°	2478.4	2646.0	2792.1	2931.2	3074.2	3207.3	3333.8	3475.7	3620.9	3751.1	3825.3
107.5°	2409.5	2580.7	2732.2	2867.1	3002.9	3140.6	3280.7	3413.4	3545.9	3669.4	3739.4
110°	2324.9	2497.9	2649.4	2789.3	2926.1	3067.6	3204.7	3332.9	3455.4	3558.5	3636.4



TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	2213.6	2407.5	2554.5	2702.2	2846.0	2979.8	3109.0	3231.5	3345.6	3448.3	3535.5
115°	2067.9	2273.3	2461.5	2608.0	2747.5	2878.9	3000.3	3115.4	3225.5	3327.4	3415.3
117.5°	1893.3	2123.0	2320.3	2497.5	2632.6	2762.0	2878.1	2987.7	3098.2	3198.8	3287.5
120°	1748.5	1943.3	2148.0	2329.2	2489.0	2623.6	2739.4	2854.2	2960.8	3057.8	3144.2
122.5°	1597.0	1766.9	1952.3	2132.5	2307.5	2439.6	2570.8	2690.3	2794.3	2891.3	2978.7
125°	1449.9	1590.1	1742.1	1914.8	2080.6	2223.1	2351.9	2468.6	2574.2	2668.9	2750.6
127.5°	1295.1	1417.6	1546.7	1677.2	1823.4	1968.5	2095.6	2199.5	2297.0	2385.2	2460.9
130°	1148.3	1241.1	1352.9	1462.7	1577.8	1682.4	1782.3	1884.7	1973.5	2047.2	2104.6
132.5°	1016.1	1092.6	1168.6	1252.7	1351.2	1439.8	1522.5	1597.6	1661.1	1712.4	1751.1
135°	892.1	955.8	1016.1	1086.7	1156.0	1227.5	1291.6	1354.7	1407.3	1449.5	1481.0
137.5°	789.7	832.4	881.3	939.7	995.6	1049.2	1101.9	1148.9	1189.7	1223.8	1250.8
140°	695.4	730.8	770.8	810.5	847.8	887.9	930.1	968.1	1001.3	1029.1	1051.0
142.5°	614.4	639.5	670.8	700.6	728.7	758.2	785.4	809.3	829.6	846.0	858.2
145°	545.6	564.7	584.2	602.5	620.7	642.7	662.5	679.7	694.0	705.2	713.0
147.5°	484.7	497.8	510.4	522.4	535.4	548.0	558.9	567.9	574.9	579.6	581.9
150°	431.7	438.8	444.8	449.7	458.4	466.0	472.4	477.5	481.0	482.9	482.8
152.5°	385.4	389.5	392.3	395.1	398.1	400.0	400.7	400.2	398.5	395.6	391.4
155°	344.5	348.3	350.8	352.7	353.4	352.9	351.5	349.0	345.6	341.2	336.1
157.5°	310.2	312.6	315.0	316.9	317.8	317.7	316.7	314.8	312.2	308.8	305.6
160°	284.2	288.5	290.6	291.9	292.4	292.2	291.4	289.9	288.0	285.6	283.2
162.5°	252.4	257.0	261.0	264.5	267.5	270.0	271.9	273.4	274.4	274.9	275.8
165°	218.9	222.9	226.5	229.9	232.8	235.4	237.7	239.5	240.9	241.9	243.4
167.5°	179.0	182.7	186.2	189.3	192.0	194.4	196.5	198.1	199.3	200.0	201.3
170°	141.9	143.8	145.5	146.8	148.0	148.8	149.4	149.7	149.8	150.8	149.6
172.5°	104.8	106.6	108.2	109.6	110.7	111.6	112.3	112.8	113.0	114.1	113.1
175°	65.4	66.2	66.8	67.3	67.6	67.8	67.9	67.8	68.6	67.8	67.0
177.5°	32.3	32.5	32.7	32.8	32.9	33.0	33.9	33.5	33.1	32.8	32.4
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: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	3.3	3.3
2.5°	32.0	31.6
5°	66.2	65.4
7.5°	112.2	111.2
10°	148.4	147.2
12.5°	200.4	199.5
15°	242.7	242.0
17.5°	274.7	273.6
20°	280.0	276.9
22.5°	300.5	295.4
25°	330.5	323.7
27.5°	386.6	379.3
30°	481.9	476.3
32.5°	583.1	578.8
35°	719.2	717.2
37.5°	868.3	868.7
40°	1070.0	1074.7
42.5°	1274.4	1281.8
45°	1507.2	1512.9
47.5°	1783.6	1789.8
50°	2154.1	2165.8
52.5°	2531.6	2561.5
55°	2826.5	2866.7
57.5°	3062.5	3115.2
60°	3225.5	3282.0
62.5°	3364.0	3428.1
65°	3489.6	3551.2
67.5°	3607.6	3665.7
70°	3696.3	3742.0
72.5°	3782.0	3805.2
75°	3851.8	3863.0
77.5°	3900.2	3906.6
80°	3939.8	3930.5
82.5°	3972.1	3967.6
85°	3982.9	4031.9
87.5°	3955.6	4022.1
90°	3964.3	3961.1
92.5°	3955.6	4022.1
95°	3982.9	4031.9
97.5°	3972.1	3967.6
100°	3939.8	3930.5
102.5°	3900.2	3906.6
105°	3851.8	3863.0
107.5°	3782.0	3805.2
110°	3696.3	3742.0





TEST NUMBER: P232015

CATALOG NUMBER: FVS4WM-4-LD4-50-2HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	3607.6	3665.7
115°	3489.6	3551.2
117.5°	3364.0	3428.1
120°	3225.5	3282.0
122.5°	3062.5	3115.2
125°	2826.5	2866.7
127.5°	2531.6	2561.5
130°	2154.1	2165.8
132.5°	1783.6	1789.8
135°	1507.2	1512.9
137.5°	1274.4	1281.8
140°	1070.0	1074.7
142.5°	868.3	868.7
145°	719.2	717.2
147.5°	583.1	578.8
150°	481.9	476.3
152.5°	386.6	379.3
155°	330.5	323.7
157.5°	300.5	295.4
160°	280.0	276.9
162.5°	274.7	273.6
165°	242.7	242.0
167.5°	200.4	199.5
170°	148.4	147.2
172.5°	112.2	111.2
175°	66.2	65.4
177.5°	32.0	31.6
180°	3.0	3.0

(END OF REPORT)