

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: P232007

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232007  
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-LD4-50-2LO-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**

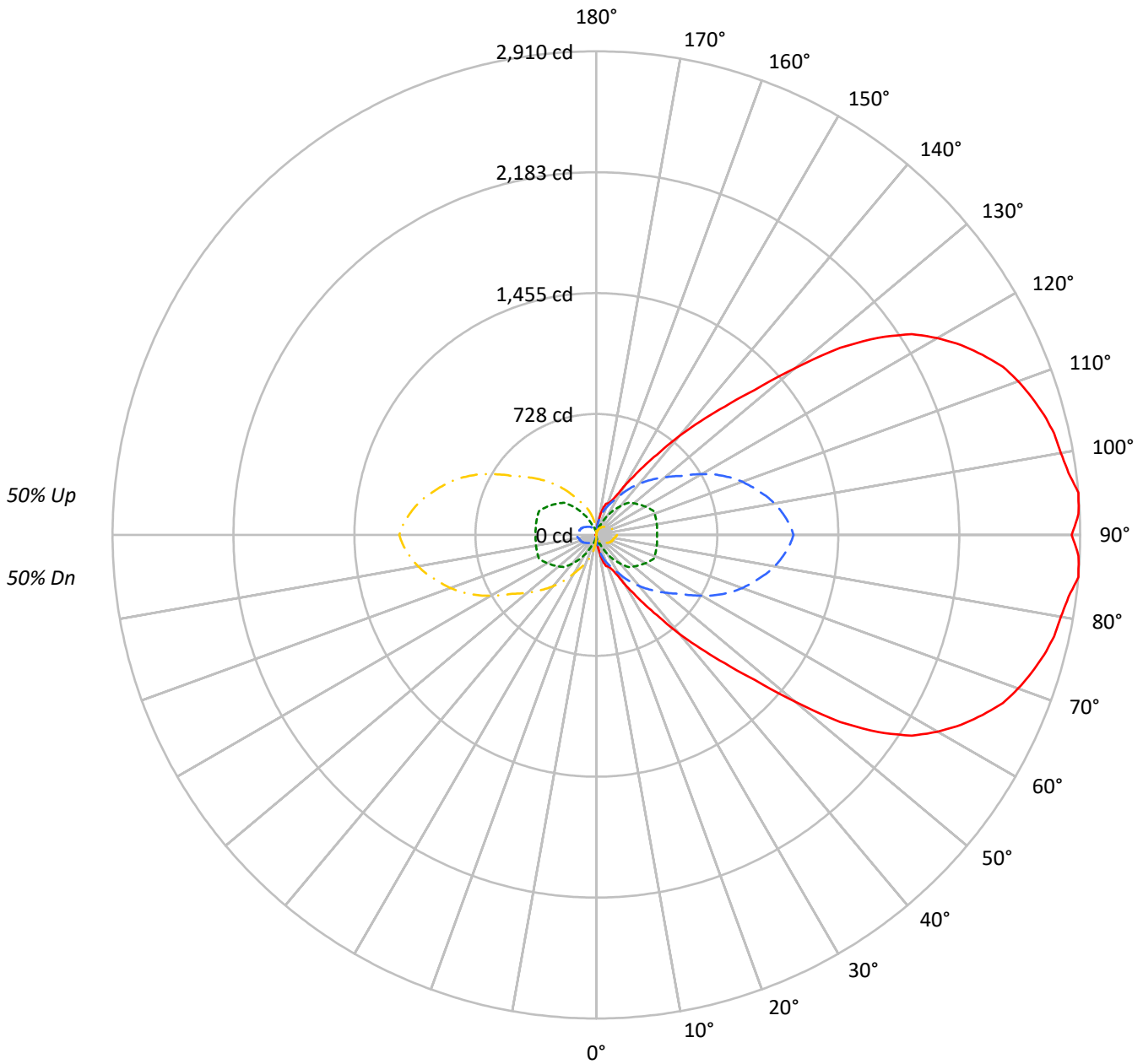
Lumens per Lamp: N/A  
Luminaire Lumens: 6624.0 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 21.19 / 13.33 / 14.37  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 57.4  
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°	36	36	36	36
5°	626	238	21	238
10°	1262	444	19	444
15°	1892	655	17	655
20°	2004	879	16	879
25°	2196	1387	15	1387
30°	3063	2218	14	2218
35°	4415	3138	14	3138
40°	6392	4183	13	4183
45°	8767	5400	19	5400
50°	12330	6336	19	6336
55°	16157	7505	19	7505
60°	18454	9012	19	9012
65°	20074	11036	24	11036
70°	21429	13452	25	13452
75°	22589	16589	25	16589
80°	23664	21919	0	21919
85°	25213	32820	0	32820



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	21.9	0.3
20°-30°	57.9	0.9
30°-40°	133.3	2.0
40°-50°	262.6	4.0
50°-60°	465.8	7.0
60°-70°	672.0	10.1
70°-80°	812.7	12.3
80°-90°	882.8	13.3
90°-100°	882.8	13.3
100°-110°	812.7	12.3
110°-120°	672.0	10.1
120°-130°	465.8	7.0
130°-140°	262.6	4.0
140°-150°	133.3	2.0
150°-160°	57.9	0.9
160°-170°	21.9	0.3
170°-180°	3.1	0.0
0°-30°	82.9	1.3
0°-40°	216.2	3.3
0°-60°	944.5	14.3
0°-90°	3312.0	50.0
90°-120°	2367.5	35.7
90°-150°	3229.1	48.7
90°-180°	3312.0	50.0
0°-180°	6624.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	47	16	2	16	47	6
15°	175	43	2	43	175	49
25°	234	86	2	86	234	117
35°	518	180	2	180	518	338
45°	1092	273	2	273	1092	875
55°	2069	318	2	318	2069	1831
65°	2563	362	3	362	2563	2538
75°	2788	371	3	371	2788	2942
85°	2910	367	0	367	2910	2354
90°	2859	365	0	365	2859	1579
95°	2910	367	0	367	2910	2354
105°	2788	371	3	371	2788	2942
115°	2563	362	3	362	2563	2538
125°	2069	318	2	318	2069	1831
135°	1092	273	2	273	1092	875
145°	518	180	2	180	518	338
155°	234	86	2	86	234	117
165°	175	43	2	43	175	49
175°	47	16	2	16	47	6
180°	2	2	2	2	2	



TEST NUMBER: P232007

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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	22.8	23.1	23.4	23.6	23.9	24.2	24.5	23.8	23.8	23.7	23.6
5°	47.2	47.8	48.4	48.9	49.5	48.9	49.0	48.9	48.8	48.5	48.2
7.5°	80.2	80.9	81.6	82.3	81.5	81.3	81.0	80.5	79.9	79.0	78.1
10°	106.2	107.1	107.9	108.8	108.1	108.0	107.8	107.4	106.7	105.9	104.9
12.5°	144.0	144.7	145.3	144.4	143.8	143.0	141.8	140.3	138.6	136.6	134.4
15°	174.6	175.1	175.6	174.5	173.8	172.8	171.5	169.9	168.0	165.9	163.5
17.5°	197.5	198.3	199.1	198.4	198.1	197.4	196.3	194.8	193.0	190.9	188.3
20°	199.8	202.1	204.3	206.1	207.8	209.2	210.3	210.9	211.0	210.7	209.7
22.5°	213.2	216.9	220.6	222.9	225.3	227.2	228.6	229.3	229.3	228.7	227.3
25°	233.6	238.5	242.6	246.3	249.4	251.9	253.7	254.7	255.0	254.5	253.2
27.5°	273.8	279.1	282.5	285.5	287.6	288.8	289.2	288.7	287.3	285.1	283.1
30°	343.8	347.8	348.5	348.5	347.2	344.6	341.0	336.3	330.8	324.6	321.0
32.5°	417.7	420.8	420.0	418.3	414.9	409.9	403.4	395.5	386.4	377.1	368.4
35°	517.6	519.0	514.6	508.9	500.9	490.5	478.1	463.9	448.0	434.8	421.7
37.5°	627.0	626.7	619.4	610.6	598.7	584.1	566.8	547.2	525.9	505.6	484.1
40°	775.7	772.3	758.6	742.8	722.7	698.7	671.3	640.8	611.9	584.9	556.3
42.5°	925.2	919.8	902.8	883.3	858.7	829.3	795.3	757.3	718.6	678.2	636.0
45°	1091.9	1087.8	1068.9	1046.1	1015.7	977.7	932.2	885.9	834.3	784.3	733.4
47.5°	1291.8	1287.3	1263.9	1235.9	1198.9	1153.1	1098.8	1039.2	975.2	904.1	843.4
50°	1563.2	1554.8	1519.0	1477.5	1424.3	1360.3	1286.3	1214.3	1138.8	1055.7	976.4
52.5°	1848.7	1827.1	1776.1	1721.5	1657.8	1587.5	1512.5	1420.7	1316.0	1210.5	1116.3
55°	2069.0	2040.0	1985.2	1926.2	1857.9	1781.7	1697.5	1604.5	1501.6	1381.9	1257.4
57.5°	2248.4	2210.3	2149.9	2086.8	2016.8	1941.7	1855.5	1760.8	1665.4	1539.1	1409.0
60°	2368.7	2327.9	2269.2	2206.9	2136.9	2060.0	1977.1	1893.6	1796.4	1681.1	1550.3
62.5°	2474.2	2427.9	2372.7	2308.7	2236.1	2156.3	2077.2	1993.4	1900.1	1802.5	1674.7
65°	2563.1	2518.6	2465.0	2401.5	2328.0	2248.6	2165.4	2077.8	1983.0	1882.3	1776.6
67.5°	2645.7	2603.7	2551.7	2488.8	2414.6	2332.3	2243.9	2150.7	2054.1	1950.3	1843.7
70°	2700.7	2667.7	2624.5	2568.3	2493.9	2405.5	2312.9	2214.0	2111.9	2013.2	1912.2
72.5°	2746.4	2729.6	2698.9	2648.3	2559.2	2463.6	2367.8	2266.6	2167.3	2069.3	1971.9
75°	2788.0	2779.9	2760.8	2707.3	2613.3	2508.5	2406.1	2314.9	2218.7	2115.5	2015.1
77.5°	2819.5	2814.9	2802.8	2738.8	2647.3	2541.9	2447.5	2354.7	2257.2	2153.0	2046.0
80°	2836.8	2843.5	2826.1	2762.9	2672.3	2581.8	2483.9	2386.9	2285.3	2179.1	2069.1
82.5°	2863.6	2866.8	2840.8	2796.3	2711.0	2615.2	2509.9	2403.4	2302.9	2200.7	2094.9
85°	2910.0	2874.6	2829.7	2812.6	2739.0	2634.7	2529.8	2425.6	2321.6	2215.0	2110.6
87.5°	2902.9	2854.9	2860.8	2831.0	2748.6	2641.8	2537.1	2438.0	2330.7	2217.3	2115.8
90°	2858.9	2861.2	2874.6	2836.8	2730.6	2628.3	2525.3	2436.4	2327.8	2208.3	2110.7
92.5°	2902.9	2854.9	2860.8	2831.0	2748.6	2641.8	2537.1	2438.0	2330.7	2217.3	2115.8
95°	2910.0	2874.6	2829.7	2812.6	2739.0	2634.7	2529.8	2425.6	2321.6	2215.0	2110.6
97.5°	2863.6	2866.8	2840.8	2796.3	2711.0	2615.2	2509.9	2403.4	2302.9	2200.7	2094.9
100°	2836.8	2843.5	2826.1	2762.9	2672.3	2581.8	2483.9	2386.9	2285.3	2179.1	2069.1
102.5°	2819.5	2814.9	2802.8	2738.8	2647.3	2541.9	2447.5	2354.7	2257.2	2153.0	2046.0
105°	2788.0	2779.9	2760.8	2707.3	2613.3	2508.5	2406.1	2314.9	2218.7	2115.5	2015.1
107.5°	2746.4	2729.6	2698.9	2648.3	2559.2	2463.6	2367.8	2266.6	2167.3	2069.3	1971.9
110°	2700.7	2667.7	2624.5	2568.3	2493.9	2405.5	2312.9	2214.0	2111.9	2013.2	1912.2



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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°	2645.7	2603.7	2551.7	2488.8	2414.6	2332.3	2243.9	2150.7	2054.1	1950.3	1843.7
115°	2563.1	2518.6	2465.0	2401.5	2328.0	2248.6	2165.4	2077.8	1983.0	1882.3	1776.6
117.5°	2474.2	2427.9	2372.7	2308.7	2236.1	2156.3	2077.2	1993.4	1900.1	1802.5	1674.7
120°	2368.7	2327.9	2269.2	2206.9	2136.9	2060.0	1977.1	1893.6	1796.4	1681.1	1550.3
122.5°	2248.4	2210.3	2149.9	2086.8	2016.8	1941.7	1855.5	1760.8	1665.4	1539.1	1409.0
125°	2069.0	2040.0	1985.2	1926.2	1857.9	1781.7	1697.5	1604.5	1501.6	1381.9	1257.4
127.5°	1848.7	1827.1	1776.1	1721.5	1657.8	1587.5	1512.5	1420.7	1316.0	1210.5	1116.3
130°	1563.2	1554.8	1519.0	1477.5	1424.3	1360.3	1286.3	1214.3	1138.8	1055.7	976.4
132.5°	1291.8	1287.3	1263.9	1235.9	1198.9	1153.1	1098.8	1039.2	975.2	904.1	843.4
135°	1091.9	1087.8	1068.9	1046.1	1015.7	977.7	932.2	885.9	834.3	784.3	733.4
137.5°	925.2	919.8	902.8	883.3	858.7	829.3	795.3	757.3	718.6	678.2	636.0
140°	775.7	772.3	758.6	742.8	722.7	698.7	671.3	640.8	611.9	584.9	556.3
142.5°	627.0	626.7	619.4	610.6	598.7	584.1	566.8	547.2	525.9	505.6	484.1
145°	517.6	519.0	514.6	508.9	500.9	490.5	478.1	463.9	448.0	434.8	421.7
147.5°	417.7	420.8	420.0	418.3	414.9	409.9	403.4	395.5	386.4	377.1	368.4
150°	343.8	347.8	348.5	348.5	347.2	344.6	341.0	336.3	330.8	324.6	321.0
152.5°	273.8	279.1	282.5	285.5	287.6	288.8	289.2	288.7	287.3	285.1	283.1
155°	233.6	238.5	242.6	246.3	249.4	251.9	253.7	254.7	255.0	254.5	253.2
157.5°	213.2	216.9	220.6	222.9	225.3	227.2	228.6	229.3	229.3	228.7	227.3
160°	199.8	202.1	204.3	206.1	207.8	209.2	210.3	210.9	211.0	210.7	209.7
162.5°	197.5	198.3	199.1	198.4	198.1	197.4	196.3	194.8	193.0	190.9	188.3
165°	174.6	175.1	175.6	174.5	173.8	172.8	171.5	169.9	168.0	165.9	163.5
167.5°	144.0	144.7	145.3	144.4	143.8	143.0	141.8	140.3	138.6	136.6	134.4
170°	106.2	107.1	107.9	108.8	108.1	108.0	107.8	107.4	106.7	105.9	104.9
172.5°	80.2	80.9	81.6	82.3	81.5	81.3	81.0	80.5	79.9	79.0	78.1
175°	47.2	47.8	48.4	48.9	49.5	48.9	49.0	48.9	48.8	48.5	48.2
177.5°	22.8	23.1	23.4	23.6	23.9	24.2	24.5	23.8	23.8	23.7	23.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	23.5	23.3	23.1	22.8	22.5	22.2	21.8	21.4	21.0	20.5	20.0
5°	47.8	47.2	46.6	45.9	45.1	44.2	43.2	42.1	40.9	39.6	38.3
7.5°	76.9	75.6	74.2	72.6	70.9	69.0	67.0	64.9	62.6	60.6	58.6
10°	103.8	102.4	100.9	99.1	97.3	95.2	92.8	89.9	86.9	83.8	80.6
12.5°	131.9	129.2	126.3	123.1	120.1	117.6	114.8	111.8	108.7	105.3	101.8
15°	160.8	158.0	154.9	151.1	147.0	142.7	138.3	133.7	128.9	124.8	120.6
17.5°	185.4	182.2	178.4	174.5	170.3	165.9	161.4	156.4	150.9	145.3	139.6
20°	208.2	205.2	201.1	196.6	191.7	186.3	180.9	175.6	170.0	164.4	158.2
22.5°	225.6	223.8	221.3	217.8	213.5	207.7	201.2	194.3	187.1	180.7	174.3
25°	251.4	248.6	244.8	240.0	235.0	229.3	222.6	214.7	206.5	197.7	189.6
27.5°	281.1	278.1	274.1	269.0	262.8	255.3	247.9	237.9	227.8	216.8	206.6
30°	316.7	311.6	306.5	300.4	293.8	286.1	276.5	265.5	255.5	246.7	237.5
32.5°	359.3	349.8	342.2	334.8	326.7	318.0	309.6	300.7	290.6	280.0	270.1
35°	407.6	393.8	382.6	371.4	361.8	353.5	344.5	334.9	324.5	313.3	301.6
37.5°	461.6	443.4	426.1	412.9	400.8	389.4	378.9	368.5	357.3	345.3	332.8
40°	527.4	501.9	478.4	459.5	442.7	427.5	414.2	401.3	389.5	376.8	363.1
42.5°	600.7	569.9	539.6	513.2	488.8	468.6	450.4	435.5	420.6	407.4	393.3
45°	689.8	643.8	606.2	570.8	539.8	510.8	489.2	469.6	453.1	436.9	422.5
47.5°	788.6	733.4	681.6	632.3	594.0	558.9	528.4	505.2	485.3	467.2	450.4
50°	895.7	828.8	765.2	706.6	651.1	608.4	571.4	539.9	517.4	497.5	478.1
52.5°	1023.1	934.7	853.3	784.0	719.1	659.2	615.1	578.3	548.4	526.7	518.5
55°	1147.7	1046.5	951.7	862.8	788.8	720.1	658.2	617.6	593.9	579.5	575.9
57.5°	1275.2	1152.7	1047.8	949.2	858.5	782.1	721.0	675.5	646.1	628.9	625.7
60°	1402.5	1262.0	1135.5	1029.8	936.7	855.6	787.3	730.8	697.7	677.8	671.1
62.5°	1532.3	1366.4	1229.1	1115.1	1015.5	923.5	850.1	789.7	745.8	721.5	713.0
65°	1640.7	1492.5	1334.9	1201.0	1089.8	991.6	906.9	840.8	791.7	765.3	755.8
67.5°	1737.6	1597.7	1443.5	1293.4	1158.0	1050.9	960.4	890.4	838.6	806.6	794.6
70°	1802.8	1678.0	1539.3	1378.5	1231.2	1109.6	1011.5	934.3	879.0	843.9	829.7
72.5°	1862.6	1739.1	1598.5	1450.5	1302.5	1161.3	1054.6	974.3	914.5	880.3	864.9
75°	1909.7	1788.7	1650.4	1504.5	1365.1	1210.2	1097.2	1013.3	953.7	915.4	895.5
77.5°	1948.6	1830.2	1689.7	1547.4	1409.4	1263.4	1141.9	1053.8	990.4	948.6	925.6
80°	1970.7	1863.6	1733.8	1588.1	1444.8	1304.3	1178.8	1088.9	1023.9	980.0	955.1
82.5°	1990.4	1887.8	1769.1	1620.3	1472.4	1333.7	1208.5	1119.1	1054.4	1009.6	984.0
85°	2003.3	1900.1	1795.0	1643.7	1491.9	1352.8	1231.8	1145.0	1082.2	1037.7	1012.3
87.5°	2008.6	1905.5	1816.2	1662.6	1507.2	1366.2	1251.5	1168.5	1108.7	1065.1	1040.4
90°	2005.3	1895.9	1816.5	1662.3	1506.5	1366.5	1262.6	1186.3	1131.3	1090.4	1067.5
92.5°	2008.6	1905.5	1816.2	1662.6	1507.2	1366.2	1251.5	1168.5	1108.7	1065.1	1040.4
95°	2003.3	1900.1	1795.0	1643.7	1491.9	1352.8	1231.8	1145.0	1082.2	1037.7	1012.3
97.5°	1990.4	1887.8	1769.1	1620.3	1472.4	1333.7	1208.5	1119.1	1054.4	1009.6	984.0
100°	1970.7	1863.6	1733.8	1588.1	1444.8	1304.3	1178.8	1088.9	1023.9	980.0	955.1
102.5°	1948.6	1830.2	1689.7	1547.4	1409.4	1263.4	1141.9	1053.8	990.4	948.6	925.6
105°	1909.7	1788.7	1650.4	1504.5	1365.1	1210.2	1097.2	1013.3	953.7	915.4	895.5
107.5°	1862.6	1739.1	1598.5	1450.5	1302.5	1161.3	1054.6	974.3	914.5	880.3	864.9
110°	1802.8	1678.0	1539.3	1378.5	1231.2	1109.6	1011.5	934.3	879.0	843.9	829.7





TEST NUMBER: P232007

CATALOG NUMBER: FVS4WM-4-LD4-50-2LO-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°	1737.6	1597.7	1443.5	1293.4	1158.0	1050.9	960.4	890.4	838.6	806.6	794.6
115°	1640.7	1492.5	1334.9	1201.0	1089.8	991.6	906.9	840.8	791.7	765.3	755.8
117.5°	1532.3	1366.4	1229.1	1115.1	1015.5	923.5	850.1	789.7	745.8	721.5	713.0
120°	1402.5	1262.0	1135.5	1029.8	936.7	855.6	787.3	730.8	697.7	677.8	671.1
122.5°	1275.2	1152.7	1047.8	949.2	858.5	782.1	721.0	675.5	646.1	628.9	625.7
125°	1147.7	1046.5	951.7	862.8	788.8	720.1	658.2	617.6	593.9	579.5	575.9
127.5°	1023.1	934.7	853.3	784.0	719.1	659.2	615.1	578.3	548.4	526.7	518.5
130°	895.7	828.8	765.2	706.6	651.1	608.4	571.4	539.9	517.4	497.5	478.1
132.5°	788.6	733.4	681.6	632.3	594.0	558.9	528.4	505.2	485.3	467.2	450.4
135°	689.8	643.8	606.2	570.8	539.8	510.8	489.2	469.6	453.1	436.9	422.5
137.5°	600.7	569.9	539.6	513.2	488.8	468.6	450.4	435.5	420.6	407.4	393.3
140°	527.4	501.9	478.4	459.5	442.7	427.5	414.2	401.3	389.5	376.8	363.1
142.5°	461.6	443.4	426.1	412.9	400.8	389.4	378.9	368.5	357.3	345.3	332.8
145°	407.6	393.8	382.6	371.4	361.8	353.5	344.5	334.9	324.5	313.3	301.6
147.5°	359.3	349.8	342.2	334.8	326.7	318.0	309.6	300.7	290.6	280.0	270.1
150°	316.7	311.6	306.5	300.4	293.8	286.1	276.5	265.5	255.5	246.7	237.5
152.5°	281.1	278.1	274.1	269.0	262.8	255.3	247.9	237.9	227.8	216.8	206.6
155°	251.4	248.6	244.8	240.0	235.0	229.3	222.6	214.7	206.5	197.7	189.6
157.5°	225.6	223.8	221.3	217.8	213.5	207.7	201.2	194.3	187.1	180.7	174.3
160°	208.2	205.2	201.1	196.6	191.7	186.3	180.9	175.6	170.0	164.4	158.2
162.5°	185.4	182.2	178.4	174.5	170.3	165.9	161.4	156.4	150.9	145.3	139.6
165°	160.8	158.0	154.9	151.1	147.0	142.7	138.3	133.7	128.9	124.8	120.6
167.5°	131.9	129.2	126.3	123.1	120.1	117.6	114.8	111.8	108.7	105.3	101.8
170°	103.8	102.4	100.9	99.1	97.3	95.2	92.8	89.9	86.9	83.8	80.6
172.5°	76.9	75.6	74.2	72.6	70.9	69.0	67.0	64.9	62.6	60.6	58.6
175°	47.8	47.2	46.6	45.9	45.1	44.2	43.2	42.1	40.9	39.6	38.3
177.5°	23.5	23.3	23.1	22.8	22.5	22.2	21.8	21.4	21.0	20.5	20.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	19.4	18.9	18.3	17.6	17.0	16.3	15.6	14.8	14.1	13.3	12.5
5°	36.9	35.4	33.9	32.6	31.3	29.9	28.5	27.1	25.6	24.1	22.5
7.5°	56.5	54.2	51.9	49.4	46.8	44.1	41.4	39.1	36.9	34.7	32.3
10°	77.2	73.7	70.3	66.8	63.3	59.7	56.0	52.2	48.2	45.1	42.1
12.5°	97.8	93.5	89.1	84.6	80.0	75.4	70.7	65.9	60.9	55.9	51.6
15°	116.2	111.7	107.6	101.8	96.5	91.1	85.5	79.7	73.7	67.6	61.3
17.5°	134.6	128.7	123.2	117.6	111.7	105.7	99.6	93.5	86.6	79.4	72.0
20°	151.9	145.4	139.0	132.7	126.1	119.4	112.8	106.1	99.4	91.2	82.7
22.5°	167.8	161.0	154.2	147.3	140.1	132.6	125.0	118.0	110.8	103.1	93.4
25°	181.8	174.7	167.6	160.5	156.3	151.3	145.7	139.9	134.2	128.2	119.6
27.5°	199.8	195.3	191.8	188.1	184.1	180.0	174.6	168.6	162.4	155.8	147.7
30°	230.3	223.5	218.2	214.6	210.8	206.8	202.5	196.6	190.9	183.3	176.0
32.5°	260.2	252.0	245.0	239.8	236.2	232.5	228.7	223.7	217.7	210.7	202.7
35°	290.7	280.1	271.8	264.8	260.5	257.1	253.7	250.5	244.3	237.8	229.4
37.5°	320.2	308.7	297.7	290.3	284.2	280.8	277.8	274.8	270.3	264.7	256.0
40°	349.5	336.1	324.6	314.2	307.9	303.5	301.0	298.6	295.5	290.5	282.5
42.5°	378.0	363.7	350.1	338.9	330.8	325.2	323.4	321.7	320.0	315.7	308.8
45°	406.7	390.1	375.7	363.2	352.5	347.6	345.0	343.9	343.2	340.4	334.9
47.5°	434.9	417.2	400.7	386.9	375.4	371.9	372.5	372.8	371.0	366.3	358.3
50°	461.3	446.5	443.0	440.5	435.7	428.2	420.0	412.8	404.3	394.2	381.7
52.5°	513.7	513.7	515.7	514.4	505.9	490.5	473.3	456.5	440.3	423.8	405.9
55°	572.5	575.2	582.1	589.9	579.5	557.8	531.1	503.6	478.6	455.1	431.4
57.5°	627.3	632.1	642.5	660.2	653.3	628.7	593.1	553.7	519.4	488.2	457.9
60°	677.3	685.3	700.0	722.8	728.3	702.8	658.7	607.1	563.2	522.9	485.3
62.5°	722.7	735.9	754.1	781.0	804.1	779.8	727.3	664.8	608.9	558.9	513.5
65°	764.0	783.0	805.0	835.3	880.1	854.9	797.3	724.9	656.3	596.2	542.5
67.5°	801.5	826.9	853.3	888.1	940.2	928.5	869.1	786.9	705.2	634.4	572.0
70°	837.1	867.9	900.7	937.7	983.5	975.1	908.6	817.5	725.9	648.1	580.7
72.5°	868.3	891.3	921.6	951.1	982.0	976.8	914.0	826.9	734.4	655.3	586.1
75°	893.3	909.6	939.2	967.7	986.2	978.6	917.1	834.5	741.8	661.9	591.1
77.5°	919.0	929.7	956.9	987.0	995.1	980.4	918.1	840.2	748.1	667.7	595.8
80°	945.3	951.3	974.7	1008.4	1007.6	981.9	917.2	844.2	753.3	672.8	600.0
82.5°	972.0	974.3	993.0	1031.5	1022.6	982.8	914.5	846.7	757.5	677.1	606.1
85°	999.1	998.2	1011.9	1055.6	1039.2	985.7	912.3	850.1	762.5	682.2	608.1
87.5°	1026.3	1022.7	1031.1	1080.4	1056.9	982.9	905.4	847.9	763.2	684.1	610.0
90°	1053.4	1047.9	1052.6	1104.5	1072.3	980.2	898.4	845.7	763.9	686.0	612.0
92.5°	1026.3	1022.7	1031.1	1080.4	1056.9	982.9	905.4	847.9	763.2	684.1	610.0
95°	999.1	998.2	1011.9	1055.6	1039.2	985.7	912.3	850.1	762.5	682.2	608.1
97.5°	972.0	974.3	993.0	1031.5	1022.6	982.8	914.5	846.7	757.5	677.1	606.1
100°	945.3	951.3	974.7	1008.4	1007.6	981.9	917.2	844.2	753.3	672.8	600.0
102.5°	919.0	929.7	956.9	987.0	995.1	980.4	918.1	840.2	748.1	667.7	595.8
105°	893.3	909.6	939.2	967.7	986.2	978.6	917.1	834.5	741.8	661.9	591.1
107.5°	868.3	891.3	921.6	951.1	982.0	976.8	914.0	826.9	734.4	655.3	586.1
110°	837.1	867.9	900.7	937.7	983.5	975.1	908.6	817.5	725.9	648.1	580.7



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	801.5	826.9	853.3	888.1	940.2	928.5	869.1	786.9	705.2	634.4	572.0
115°	764.0	783.0	805.0	835.3	880.1	854.9	797.3	724.9	656.3	596.2	542.5
117.5°	722.7	735.9	754.1	781.0	804.1	779.8	727.3	664.8	608.9	558.9	513.5
120°	677.3	685.3	700.0	722.8	728.3	702.8	658.7	607.1	563.2	522.9	485.3
122.5°	627.3	632.1	642.5	660.2	653.3	628.7	593.1	553.7	519.4	488.2	457.9
125°	572.5	575.2	582.1	589.9	579.5	557.8	531.1	503.6	478.6	455.1	431.4
127.5°	513.7	513.7	515.7	514.4	505.9	490.5	473.3	456.5	440.3	423.8	405.9
130°	461.3	446.5	443.0	440.5	435.7	428.2	420.0	412.8	404.3	394.2	381.7
132.5°	434.9	417.2	400.7	386.9	375.4	371.9	372.5	372.8	371.0	366.3	358.3
135°	406.7	390.1	375.7	363.2	352.5	347.6	345.0	343.9	343.2	340.4	334.9
137.5°	378.0	363.7	350.1	338.9	330.8	325.2	323.4	321.7	320.0	315.7	308.8
140°	349.5	336.1	324.6	314.2	307.9	303.5	301.0	298.6	295.5	290.5	282.5
142.5°	320.2	308.7	297.7	290.3	284.2	280.8	277.8	274.8	270.3	264.7	256.0
145°	290.7	280.1	271.8	264.8	260.5	257.1	253.7	250.5	244.3	237.8	229.4
147.5°	260.2	252.0	245.0	239.8	236.2	232.5	228.7	223.7	217.7	210.7	202.7
150°	230.3	223.5	218.2	214.6	210.8	206.8	202.5	196.6	190.9	183.3	176.0
152.5°	199.8	195.3	191.8	188.1	184.1	180.0	174.6	168.6	162.4	155.8	147.7
155°	181.8	174.7	167.6	160.5	156.3	151.3	145.7	139.9	134.2	128.2	119.6
157.5°	167.8	161.0	154.2	147.3	140.1	132.6	125.0	118.0	110.8	103.1	93.4
160°	151.9	145.4	139.0	132.7	126.1	119.4	112.8	106.1	99.4	91.2	82.7
162.5°	134.6	128.7	123.2	117.6	111.7	105.7	99.6	93.5	86.6	79.4	72.0
165°	116.2	111.7	107.6	101.8	96.5	91.1	85.5	79.7	73.7	67.6	61.3
167.5°	97.8	93.5	89.1	84.6	80.0	75.4	70.7	65.9	60.9	55.9	51.6
170°	77.2	73.7	70.3	66.8	63.3	59.7	56.0	52.2	48.2	45.1	42.1
172.5°	56.5	54.2	51.9	49.4	46.8	44.1	41.4	39.1	36.9	34.7	32.3
175°	36.9	35.4	33.9	32.6	31.3	29.9	28.5	27.1	25.6	24.1	22.5
177.5°	19.4	18.9	18.3	17.6	17.0	16.3	15.6	14.8	14.1	13.3	12.5
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	11.7	10.8	10.0	9.1	9.1	9.1	9.0	8.9	8.9	8.8	8.7
5°	20.9	19.2	17.5	15.8	15.7	15.6	15.5	15.3	15.1	14.9	14.6
7.5°	30.0	27.5	25.1	22.6	22.3	22.1	21.8	21.5	21.1	20.7	20.3
10°	39.0	35.8	32.6	29.3	28.9	28.5	28.0	27.5	26.9	26.4	25.9
12.5°	47.8	44.0	40.0	36.0	35.4	34.8	34.1	33.3	32.6	32.1	31.6
15°	56.6	52.1	47.4	42.7	41.9	41.0	40.0	39.1	38.5	38.0	37.3
17.5°	65.3	60.1	54.8	49.5	48.3	47.1	45.8	45.0	44.4	43.8	43.1
20°	74.0	68.1	62.2	56.2	54.7	53.1	51.6	51.0	50.4	49.6	49.1
22.5°	83.6	75.9	69.5	62.9	61.1	59.1	57.7	57.0	56.3	55.7	55.1
25°	109.9	101.0	93.8	86.2	83.2	79.9	77.1	74.7	72.2	69.9	67.5
27.5°	137.2	126.8	118.4	109.6	105.4	100.8	97.1	93.3	90.0	86.8	83.3
30°	164.5	152.7	143.1	132.9	127.4	121.4	116.4	111.3	107.1	102.8	98.1
32.5°	191.6	179.0	167.8	156.3	149.2	141.9	135.3	129.0	123.6	118.0	112.1
35°	218.6	205.3	192.5	179.6	170.9	162.1	153.7	146.2	139.5	132.4	125.2
37.5°	245.5	231.5	217.4	203.0	192.5	182.0	171.6	162.9	155.2	146.2	137.4
40°	272.3	257.6	242.3	226.3	214.0	201.5	189.1	179.3	169.5	159.3	148.7
42.5°	298.7	283.6	267.2	249.7	235.4	220.8	206.7	195.2	183.7	172.3	159.2
45°	324.6	309.5	292.2	273.0	256.6	239.9	223.6	210.7	197.4	183.5	169.0
47.5°	343.9	325.2	304.7	284.2	265.0	246.3	229.3	215.7	202.4	188.7	174.4
50°	363.3	340.8	317.1	295.4	273.1	252.1	233.6	218.4	204.3	190.2	175.7
52.5°	383.4	356.9	329.5	306.6	281.1	257.7	237.7	221.1	206.3	192.1	177.9
55°	404.1	373.2	341.9	317.8	288.9	263.2	241.6	223.9	208.5	194.4	180.9
57.5°	425.5	389.9	354.2	328.9	296.7	268.6	245.5	226.7	211.0	197.1	184.7
60°	447.4	406.9	366.6	340.1	304.4	274.0	249.2	229.5	213.8	200.6	189.6
62.5°	469.7	424.0	378.9	351.3	312.0	279.3	252.8	232.5	216.8	204.6	194.2
65°	492.4	441.4	391.1	362.5	319.5	284.5	256.4	235.5	220.2	209.1	200.0
67.5°	515.4	458.8	403.4	373.7	327.1	289.8	260.0	238.6	223.7	214.1	206.3
70°	520.5	462.4	407.2	372.7	325.0	287.5	257.5	236.4	222.2	213.8	207.5
72.5°	524.0	465.2	411.0	371.8	322.9	285.2	254.8	233.6	219.6	211.6	205.4
75°	527.2	467.7	416.4	370.8	320.9	283.0	252.1	230.9	217.0	209.4	203.5
77.5°	530.0	469.9	419.9	369.8	318.9	281.0	249.7	228.4	214.6	207.3	201.7
80°	532.5	473.2	423.4	368.9	317.1	279.1	247.4	226.0	212.4	205.4	200.0
82.5°	536.2	474.1	426.9	367.9	315.4	277.3	245.2	223.7	210.2	203.4	198.5
85°	537.1	475.0	430.4	366.9	313.7	275.7	243.3	221.6	208.2	201.6	197.0
87.5°	538.0	475.8	433.9	366.0	312.2	274.3	241.5	219.7	206.3	199.9	195.6
90°	538.9	476.7	437.4	365.0	310.7	273.0	239.9	217.9	204.5	198.2	194.3
92.5°	538.0	475.8	433.9	366.0	312.2	274.3	241.5	219.7	206.3	199.9	195.6
95°	537.1	475.0	430.4	366.9	313.7	275.7	243.3	221.6	208.2	201.6	197.0
97.5°	536.2	474.1	426.9	367.9	315.4	277.3	245.2	223.7	210.2	203.4	198.5
100°	532.5	473.2	423.4	368.9	317.1	279.1	247.4	226.0	212.4	205.4	200.0
102.5°	530.0	469.9	419.9	369.8	318.9	281.0	249.7	228.4	214.6	207.3	201.7
105°	527.2	467.7	416.4	370.8	320.9	283.0	252.1	230.9	217.0	209.4	203.5
107.5°	524.0	465.2	411.0	371.8	322.9	285.2	254.8	233.6	219.6	211.6	205.4
110°	520.5	462.4	407.2	372.7	325.0	287.5	257.5	236.4	222.2	213.8	207.5



TEST NUMBER: P232007

CATALOG NUMBER: FVS4WM-4-LD4-50-2LO-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°	515.4	458.8	403.4	373.7	327.1	289.8	260.0	238.6	223.7	214.1	206.3
115°	492.4	441.4	391.1	362.5	319.5	284.5	256.4	235.5	220.2	209.1	200.0
117.5°	469.7	424.0	378.9	351.3	312.0	279.3	252.8	232.5	216.8	204.6	194.2
120°	447.4	406.9	366.6	340.1	304.4	274.0	249.2	229.5	213.8	200.6	189.6
122.5°	425.5	389.9	354.2	328.9	296.7	268.6	245.5	226.7	211.0	197.1	184.7
125°	404.1	373.2	341.9	317.8	288.9	263.2	241.6	223.9	208.5	194.4	180.9
127.5°	383.4	356.9	329.5	306.6	281.1	257.7	237.7	221.1	206.3	192.1	177.9
130°	363.3	340.8	317.1	295.4	273.1	252.1	233.6	218.4	204.3	190.2	175.7
132.5°	343.9	325.2	304.7	284.2	265.0	246.3	229.3	215.7	202.4	188.7	174.4
135°	324.6	309.5	292.2	273.0	256.6	239.9	223.6	210.7	197.4	183.5	169.0
137.5°	298.7	283.6	267.2	249.7	235.4	220.8	206.7	195.2	183.7	172.3	159.2
140°	272.3	257.6	242.3	226.3	214.0	201.5	189.1	179.3	169.5	159.3	148.7
142.5°	245.5	231.5	217.4	203.0	192.5	182.0	171.6	162.9	155.2	146.2	137.4
145°	218.6	205.3	192.5	179.6	170.9	162.1	153.7	146.2	139.5	132.4	125.2
147.5°	191.6	179.0	167.8	156.3	149.2	141.9	135.3	129.0	123.6	118.0	112.1
150°	164.5	152.7	143.1	132.9	127.4	121.4	116.4	111.3	107.1	102.8	98.1
152.5°	137.2	126.8	118.4	109.6	105.4	100.8	97.1	93.3	90.0	86.8	83.3
155°	109.9	101.0	93.8	86.2	83.2	79.9	77.1	74.7	72.2	69.9	67.5
157.5°	83.6	75.9	69.5	62.9	61.1	59.1	57.7	57.0	56.3	55.7	55.1
160°	74.0	68.1	62.2	56.2	54.7	53.1	51.6	51.0	50.4	49.6	49.1
162.5°	65.3	60.1	54.8	49.5	48.3	47.1	45.8	45.0	44.4	43.8	43.1
165°	56.6	52.1	47.4	42.7	41.9	41.0	40.0	39.1	38.5	38.0	37.3
167.5°	47.8	44.0	40.0	36.0	35.4	34.8	34.1	33.3	32.6	32.1	31.6
170°	39.0	35.8	32.6	29.3	28.9	28.5	28.0	27.5	26.9	26.4	25.9
172.5°	30.0	27.5	25.1	22.6	22.3	22.1	21.8	21.5	21.1	20.7	20.3
175°	20.9	19.2	17.5	15.8	15.7	15.6	15.5	15.3	15.1	14.9	14.6
177.5°	11.7	10.8	10.0	9.1	9.1	9.1	9.0	8.9	8.9	8.8	8.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.5	7.3	7.1	6.9
5°	14.4	14.1	13.8	13.5	13.1	12.8	12.4	12.1	11.7	11.3	10.8
7.5°	19.9	19.5	19.1	18.6	18.1	17.6	17.1	16.5	15.9	15.3	14.8
10°	25.4	24.9	24.4	23.8	23.1	22.6	22.0	21.3	20.7	20.0	19.2
12.5°	31.0	30.4	29.8	29.2	28.6	27.9	27.1	26.3	25.4	24.5	23.5
15°	36.6	36.1	35.5	34.8	34.0	33.1	32.1	31.1	30.0	28.9	27.8
17.5°	42.5	41.9	41.2	40.2	39.2	38.2	37.0	35.8	34.6	33.3	32.0
20°	48.4	47.7	46.7	45.6	44.4	43.2	41.9	40.6	39.1	37.5	35.8
22.5°	54.3	53.3	52.1	50.9	49.6	48.2	46.7	45.0	43.2	41.4	39.7
25°	64.8	61.9	59.0	56.2	54.8	53.0	51.1	49.2	47.4	45.6	43.7
27.5°	79.5	75.7	71.9	68.1	64.2	60.3	56.7	53.7	51.8	49.6	47.3
30°	93.3	88.4	83.5	78.4	73.3	68.6	64.4	60.6	57.0	53.7	50.8
32.5°	106.0	99.8	93.4	86.9	80.8	75.2	70.2	65.8	61.7	58.0	54.6
35°	117.6	110.0	101.9	94.1	86.7	80.3	74.8	69.8	65.4	61.4	58.0
37.5°	128.2	118.6	109.0	99.7	91.2	84.6	78.5	73.1	68.5	64.6	61.1
40°	137.8	126.2	114.8	103.8	95.4	87.9	81.4	75.9	71.6	67.7	64.0
42.5°	146.1	132.6	119.3	107.9	98.7	90.8	83.9	79.0	74.6	70.6	66.9
45°	153.5	137.9	122.5	111.5	101.6	93.0	87.1	82.0	77.7	73.7	69.8
47.5°	158.6	141.9	126.4	114.3	104.1	96.0	90.0	85.2	80.9	76.9	72.6
50°	160.4	144.1	130.5	118.3	107.0	99.3	93.3	88.4	84.4	80.0	75.4
52.5°	163.1	147.8	135.0	123.4	113.7	105.9	99.7	93.9	87.8	83.0	78.6
55°	166.8	152.9	140.3	129.0	120.5	113.7	108.0	103.1	95.7	88.5	82.0
57.5°	171.4	158.4	146.4	135.8	127.5	121.9	117.5	111.4	103.0	94.5	86.9
60°	176.9	164.3	152.9	143.2	135.9	130.9	127.7	119.2	109.1	99.5	90.9
62.5°	183.2	170.7	159.8	150.8	144.7	141.1	136.6	126.4	114.2	103.6	94.1
65°	189.8	177.7	167.2	158.5	153.8	151.9	144.6	132.1	118.7	107.1	96.8
67.5°	196.7	185.1	175.2	167.1	163.4	163.1	152.5	137.2	122.8	110.3	99.2
70°	199.0	189.6	181.5	175.8	174.2	173.0	159.9	141.6	126.4	113.3	101.1
72.5°	197.1	188.8	181.1	176.1	175.7	173.6	161.7	145.2	130.0	116.1	102.7
75°	195.6	188.3	181.0	176.2	175.6	171.4	160.4	146.8	132.6	118.2	104.7
77.5°	194.4	188.3	181.0	176.2	175.2	169.9	160.9	149.5	135.4	120.6	107.1
80°	193.6	188.5	181.1	176.2	174.5	169.0	162.7	153.2	138.6	123.4	109.8
82.5°	192.9	189.0	181.4	176.1	173.7	168.6	165.7	157.8	142.1	126.7	112.9
85°	192.5	189.6	181.9	176.1	172.7	168.5	169.4	163.0	146.1	130.6	116.4
87.5°	192.2	190.4	182.5	176.1	171.7	168.7	173.6	168.6	150.6	135.0	120.5
90°	192.0	191.2	183.3	176.2	170.7	169.1	177.8	174.6	155.8	140.0	125.1
92.5°	192.2	190.4	182.5	176.1	171.7	168.7	173.6	168.6	150.6	135.0	120.5
95°	192.5	189.6	181.9	176.1	172.7	168.5	169.4	163.0	146.1	130.6	116.4
97.5°	192.9	189.0	181.4	176.1	173.7	168.6	165.7	157.8	142.1	126.7	112.9
100°	193.6	188.5	181.1	176.2	174.5	169.0	162.7	153.2	138.6	123.4	109.8
102.5°	194.4	188.3	181.0	176.2	175.2	169.9	160.9	149.5	135.4	120.6	107.1
105°	195.6	188.3	181.0	176.2	175.6	171.4	160.4	146.8	132.6	118.2	104.7
107.5°	197.1	188.8	181.1	176.1	175.7	173.6	161.7	145.2	130.0	116.1	102.7
110°	199.0	189.6	181.5	175.8	174.2	173.0	159.9	141.6	126.4	113.3	101.1



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	196.7	185.1	175.2	167.1	163.4	163.1	152.5	137.2	122.8	110.3	99.2
115°	189.8	177.7	167.2	158.5	153.8	151.9	144.6	132.1	118.7	107.1	96.8
117.5°	183.2	170.7	159.8	150.8	144.7	141.1	136.6	126.4	114.2	103.6	94.1
120°	176.9	164.3	152.9	143.2	135.9	130.9	127.7	119.2	109.1	99.5	90.9
122.5°	171.4	158.4	146.4	135.8	127.5	121.9	117.5	111.4	103.0	94.5	86.9
125°	166.8	152.9	140.3	129.0	120.5	113.7	108.0	103.1	95.7	88.5	82.0
127.5°	163.1	147.8	135.0	123.4	113.7	105.9	99.7	93.9	87.8	83.0	78.6
130°	160.4	144.1	130.5	118.3	107.0	99.3	93.3	88.4	84.4	80.0	75.4
132.5°	158.6	141.9	126.4	114.3	104.1	96.0	90.0	85.2	80.9	76.9	72.6
135°	153.5	137.9	122.5	111.5	101.6	93.0	87.1	82.0	77.7	73.7	69.8
137.5°	146.1	132.6	119.3	107.9	98.7	90.8	83.9	79.0	74.6	70.6	66.9
140°	137.8	126.2	114.8	103.8	95.4	87.9	81.4	75.9	71.6	67.7	64.0
142.5°	128.2	118.6	109.0	99.7	91.2	84.6	78.5	73.1	68.5	64.6	61.1
145°	117.6	110.0	101.9	94.1	86.7	80.3	74.8	69.8	65.4	61.4	58.0
147.5°	106.0	99.8	93.4	86.9	80.8	75.2	70.2	65.8	61.7	58.0	54.6
150°	93.3	88.4	83.5	78.4	73.3	68.6	64.4	60.6	57.0	53.7	50.8
152.5°	79.5	75.7	71.9	68.1	64.2	60.3	56.7	53.7	51.8	49.6	47.3
155°	64.8	61.9	59.0	56.2	54.8	53.0	51.1	49.2	47.4	45.6	43.7
157.5°	54.3	53.3	52.1	50.9	49.6	48.2	46.7	45.0	43.2	41.4	39.7
160°	48.4	47.7	46.7	45.6	44.4	43.2	41.9	40.6	39.1	37.5	35.8
162.5°	42.5	41.9	41.2	40.2	39.2	38.2	37.0	35.8	34.6	33.3	32.0
165°	36.6	36.1	35.5	34.8	34.0	33.1	32.1	31.1	30.0	28.9	27.8
167.5°	31.0	30.4	29.8	29.2	28.6	27.9	27.1	26.3	25.4	24.5	23.5
170°	25.4	24.9	24.4	23.8	23.1	22.6	22.0	21.3	20.7	20.0	19.2
172.5°	19.9	19.5	19.1	18.6	18.1	17.6	17.1	16.5	15.9	15.3	14.8
175°	14.4	14.1	13.8	13.5	13.1	12.8	12.4	12.1	11.7	11.3	10.8
177.5°	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.5	7.3	7.1	6.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	6.7	6.5	6.2	6.0	5.8	5.5	5.3	5.0	4.8	4.5	4.3
5°	10.4	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5	5.9	5.4
7.5°	14.2	13.6	13.0	12.3	11.6	10.9	10.2	9.5	8.8	8.0	7.2
10°	18.4	17.6	16.8	15.9	15.0	14.0	13.1	12.1	11.1	10.1	9.0
12.5°	22.5	21.5	20.4	19.3	18.2	17.0	15.8	14.6	13.4	12.1	10.8
15°	26.6	25.3	24.0	22.7	21.3	19.9	18.5	17.0	15.5	14.0	12.5
17.5°	30.5	29.0	27.4	25.8	24.2	22.6	20.9	19.3	17.6	15.9	14.2
20°	34.1	32.4	30.7	29.0	27.2	25.4	23.6	21.6	19.7	17.7	15.7
22.5°	37.9	36.1	34.2	32.1	30.1	28.0	25.9	23.7	21.6	19.4	17.2
25°	41.6	39.4	37.2	35.0	32.7	30.4	28.1	25.7	23.4	21.0	18.6
27.5°	45.0	42.6	40.2	37.7	35.2	32.8	30.2	27.7	25.2	22.6	20.0
30°	48.2	45.7	43.1	40.4	37.8	35.1	32.4	29.6	26.9	24.0	21.1
32.5°	51.6	48.7	45.9	43.1	40.2	37.2	34.1	31.1	28.0	25.0	22.1
35°	54.8	51.7	48.7	45.5	42.1	38.8	35.6	32.4	29.2	26.0	23.0
37.5°	57.7	54.4	50.9	47.3	43.8	40.3	37.0	33.8	30.5	27.3	23.9
40°	60.4	56.8	53.0	49.3	45.6	42.1	38.7	35.0	31.3	27.7	24.2
42.5°	63.1	59.1	55.2	51.5	47.8	43.7	39.4	35.4	31.8	28.2	24.7
45°	65.6	61.6	57.7	53.7	49.2	44.8	40.5	36.2	32.4	28.6	25.0
47.5°	68.3	64.3	60.0	55.3	50.6	46.1	41.6	37.2	32.9	29.1	25.5
50°	71.3	66.7	61.9	57.0	52.1	47.5	42.8	38.1	33.7	29.6	26.1
52.5°	74.0	69.0	63.8	58.7	53.8	48.7	43.6	39.0	34.7	30.4	26.3
55°	76.6	71.1	65.7	60.6	55.0	49.6	44.7	40.0	35.4	30.9	26.8
57.5°	79.9	73.3	67.9	61.9	56.0	50.7	45.7	40.8	36.1	31.7	27.1
60°	82.9	76.0	69.5	63.1	57.3	52.0	46.8	41.6	36.5	31.5	27.1
62.5°	85.5	77.8	70.4	63.9	58.5	53.3	47.5	41.8	36.3	31.6	27.1
65°	87.4	78.9	71.2	64.4	58.8	53.3	47.8	41.7	36.4	31.1	26.0
67.5°	88.9	79.9	71.7	64.8	58.4	52.3	46.4	41.5	35.9	30.1	25.0
70°	90.3	80.7	72.2	64.7	57.8	50.9	44.9	39.5	34.4	29.1	23.7
72.5°	91.6	81.6	72.6	64.5	56.9	49.6	43.2	37.4	31.7	26.8	22.3
75°	93.1	82.4	72.8	64.3	56.0	48.2	41.5	35.0	28.9	24.0	20.5
77.5°	94.9	83.5	73.2	63.9	55.1	46.9	40.0	32.4	26.6	21.9	18.2
80°	96.9	84.8	73.7	63.4	53.7	45.3	37.9	30.5	24.7	19.9	15.6
82.5°	99.1	86.3	74.3	63.0	52.4	43.5	35.5	28.8	23.3	18.1	13.1
85°	101.7	88.2	75.3	63.0	51.4	41.8	34.0	27.5	22.5	17.7	13.0
87.5°	104.8	90.6	76.6	63.4	50.9	40.7	33.1	26.8	22.4	18.4	14.0
90°	108.6	93.6	78.7	64.5	51.1	40.1	33.0	26.7	22.8	19.7	15.7
92.5°	104.8	90.6	76.6	63.4	50.9	40.7	33.1	26.8	22.4	18.4	14.0
95°	101.7	88.2	75.3	63.0	51.4	41.8	34.0	27.5	22.5	17.7	13.0
97.5°	99.1	86.3	74.3	63.0	52.4	43.5	35.5	28.8	23.3	18.1	13.1
100°	96.9	84.8	73.7	63.4	53.7	45.3	37.9	30.5	24.7	19.9	15.6
102.5°	94.9	83.5	73.2	63.9	55.1	46.9	40.0	32.4	26.6	21.9	18.2
105°	93.1	82.4	72.8	64.3	56.0	48.2	41.5	35.0	28.9	24.0	20.5
107.5°	91.6	81.6	72.6	64.5	56.9	49.6	43.2	37.4	31.7	26.8	22.3
110°	90.3	80.7	72.2	64.7	57.8	50.9	44.9	39.5	34.4	29.1	23.7





TEST NUMBER: P232007

CATALOG NUMBER: FVS4WM-4-LD4-50-2LO-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°	88.9	79.9	71.7	64.8	58.4	52.3	46.4	41.5	35.9	30.1	25.0
115°	87.4	78.9	71.2	64.4	58.8	53.3	47.8	41.7	36.4	31.1	26.0
117.5°	85.5	77.8	70.4	63.9	58.5	53.3	47.5	41.8	36.3	31.6	27.1
120°	82.9	76.0	69.5	63.1	57.3	52.0	46.8	41.6	36.5	31.5	27.1
122.5°	79.9	73.3	67.9	61.9	56.0	50.7	45.7	40.8	36.1	31.7	27.1
125°	76.6	71.1	65.7	60.6	55.0	49.6	44.7	40.0	35.4	30.9	26.8
127.5°	74.0	69.0	63.8	58.7	53.8	48.7	43.6	39.0	34.7	30.4	26.3
130°	71.3	66.7	61.9	57.0	52.1	47.5	42.8	38.1	33.7	29.6	26.1
132.5°	68.3	64.3	60.0	55.3	50.6	46.1	41.6	37.2	32.9	29.1	25.5
135°	65.6	61.6	57.7	53.7	49.2	44.8	40.5	36.2	32.4	28.6	25.0
137.5°	63.1	59.1	55.2	51.5	47.8	43.7	39.4	35.4	31.8	28.2	24.7
140°	60.4	56.8	53.0	49.3	45.6	42.1	38.7	35.0	31.3	27.7	24.2
142.5°	57.7	54.4	50.9	47.3	43.8	40.3	37.0	33.8	30.5	27.3	23.9
145°	54.8	51.7	48.7	45.5	42.1	38.8	35.6	32.4	29.2	26.0	23.0
147.5°	51.6	48.7	45.9	43.1	40.2	37.2	34.1	31.1	28.0	25.0	22.1
150°	48.2	45.7	43.1	40.4	37.8	35.1	32.4	29.6	26.9	24.0	21.1
152.5°	45.0	42.6	40.2	37.7	35.2	32.8	30.2	27.7	25.2	22.6	20.0
155°	41.6	39.4	37.2	35.0	32.7	30.4	28.1	25.7	23.4	21.0	18.6
157.5°	37.9	36.1	34.2	32.1	30.1	28.0	25.9	23.7	21.6	19.4	17.2
160°	34.1	32.4	30.7	29.0	27.2	25.4	23.6	21.6	19.7	17.7	15.7
162.5°	30.5	29.0	27.4	25.8	24.2	22.6	20.9	19.3	17.6	15.9	14.2
165°	26.6	25.3	24.0	22.7	21.3	19.9	18.5	17.0	15.5	14.0	12.5
167.5°	22.5	21.5	20.4	19.3	18.2	17.0	15.8	14.6	13.4	12.1	10.8
170°	18.4	17.6	16.8	15.9	15.0	14.0	13.1	12.1	11.1	10.1	9.0
172.5°	14.2	13.6	13.0	12.3	11.6	10.9	10.2	9.5	8.8	8.0	7.2
175°	10.4	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5	5.9	5.4
177.5°	6.7	6.5	6.2	6.0	5.8	5.5	5.3	5.0	4.8	4.5	4.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.0	3.7	3.5	3.2	2.9	2.7	2.4	2.7	2.9	3.2	3.5
5°	4.9	4.3	3.8	3.2	2.7	2.1	1.6	2.1	2.7	3.2	3.8
7.5°	6.4	5.6	4.8	4.0	3.2	2.4	1.6	2.4	3.2	4.0	4.8
10°	8.0	6.9	5.9	4.8	3.8	2.7	1.6	2.7	3.8	4.8	5.9
12.5°	9.5	8.2	6.9	5.6	4.3	2.9	1.6	2.9	4.3	5.6	6.9
15°	11.0	9.4	7.9	6.3	4.7	3.2	1.6	3.2	4.7	6.3	7.9
17.5°	12.4	10.6	8.8	7.0	5.2	3.4	1.6	3.4	5.2	7.0	8.8
20°	13.7	11.7	9.7	7.7	5.7	3.6	1.6	3.6	5.7	7.7	9.7
22.5°	15.0	12.8	10.5	8.3	6.1	3.8	1.6	3.8	6.1	8.3	10.5
25°	16.2	13.8	11.4	8.9	6.5	4.0	1.6	4.0	6.5	8.9	11.4
27.5°	17.4	14.8	12.1	9.5	6.9	4.2	1.6	4.2	6.9	9.5	12.1
30°	18.3	15.5	12.7	9.9	7.1	4.4	1.6	4.4	7.1	9.9	12.7
32.5°	19.1	16.1	13.2	10.3	7.4	4.5	1.6	4.5	7.4	10.3	13.2
35°	19.9	16.9	13.8	10.8	7.7	4.7	1.6	4.7	7.7	10.8	13.8
37.5°	20.6	17.3	14.1	10.9	7.8	4.7	1.6	4.7	7.8	10.9	14.1
40°	20.9	17.6	14.3	11.1	7.9	4.8	1.6	4.8	7.9	11.1	14.3
42.5°	21.2	17.8	14.5	11.2	8.0	4.8	1.6	4.8	8.0	11.2	14.5
45°	21.6	18.2	15.0	11.8	8.7	5.5	2.4	5.5	8.7	11.8	15.0
47.5°	22.1	18.7	15.4	12.1	8.9	5.6	2.4	5.6	8.9	12.1	15.4
50°	22.6	19.0	15.5	12.2	8.9	5.6	2.4	5.6	8.9	12.2	15.5
52.5°	22.5	19.1	15.7	12.3	9.0	5.7	2.4	5.7	9.0	12.3	15.7
55°	23.1	19.4	15.8	12.3	8.9	5.6	2.4	5.6	8.9	12.3	15.8
57.5°	22.9	19.2	15.7	12.3	9.0	5.7	2.4	5.7	9.0	12.3	15.7
60°	23.1	19.3	15.4	11.9	8.6	5.4	2.4	5.4	8.6	11.9	15.4
62.5°	22.5	18.1	14.6	11.3	8.2	5.3	2.4	5.3	8.2	11.3	14.6
65°	21.4	17.4	13.9	10.8	8.1	5.5	3.1	5.5	8.1	10.8	13.9
67.5°	20.4	16.4	13.0	10.0	7.3	4.8	2.4	4.8	7.3	10.0	13.0
70°	19.0	15.3	12.0	9.3	7.0	5.0	3.1	5.0	7.0	9.3	12.0
72.5°	18.1	14.5	11.5	8.5	6.3	4.6	3.1	4.6	6.3	8.5	11.5
75°	17.6	14.1	10.8	7.6	5.4	4.1	3.1	4.1	5.4	7.6	10.8
77.5°	15.6	14.1	10.0	5.9	2.0	0.4	0.0	0.4	2.0	5.9	10.0
80°	12.9	10.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5
82.5°	9.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	8.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	7.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	9.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	12.9	10.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5
102.5°	15.6	14.1	10.0	5.9	2.0	0.4	0.0	0.4	2.0	5.9	10.0
105°	17.6	14.1	10.8	7.6	5.4	4.1	3.1	4.1	5.4	7.6	10.8
107.5°	18.1	14.5	11.5	8.5	6.3	4.6	3.1	4.6	6.3	8.5	11.5
110°	19.0	15.3	12.0	9.3	7.0	5.0	3.1	5.0	7.0	9.3	12.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	20.4	16.4	13.0	10.0	7.3	4.8	2.4	4.8	7.3	10.0	13.0
115°	21.4	17.4	13.9	10.8	8.1	5.5	3.1	5.5	8.1	10.8	13.9
117.5°	22.5	18.1	14.6	11.3	8.2	5.3	2.4	5.3	8.2	11.3	14.6
120°	23.1	19.3	15.4	11.9	8.6	5.4	2.4	5.4	8.6	11.9	15.4
122.5°	22.9	19.2	15.7	12.3	9.0	5.7	2.4	5.7	9.0	12.3	15.7
125°	23.1	19.4	15.8	12.3	8.9	5.6	2.4	5.6	8.9	12.3	15.8
127.5°	22.5	19.1	15.7	12.3	9.0	5.7	2.4	5.7	9.0	12.3	15.7
130°	22.6	19.0	15.5	12.2	8.9	5.6	2.4	5.6	8.9	12.2	15.5
132.5°	22.1	18.7	15.4	12.1	8.9	5.6	2.4	5.6	8.9	12.1	15.4
135°	21.6	18.2	15.0	11.8	8.7	5.5	2.4	5.5	8.7	11.8	15.0
137.5°	21.2	17.8	14.5	11.2	8.0	4.8	1.6	4.8	8.0	11.2	14.5
140°	20.9	17.6	14.3	11.1	7.9	4.8	1.6	4.8	7.9	11.1	14.3
142.5°	20.6	17.3	14.1	10.9	7.8	4.7	1.6	4.7	7.8	10.9	14.1
145°	19.9	16.9	13.8	10.8	7.7	4.7	1.6	4.7	7.7	10.8	13.8
147.5°	19.1	16.1	13.2	10.3	7.4	4.5	1.6	4.5	7.4	10.3	13.2
150°	18.3	15.5	12.7	9.9	7.1	4.4	1.6	4.4	7.1	9.9	12.7
152.5°	17.4	14.8	12.1	9.5	6.9	4.2	1.6	4.2	6.9	9.5	12.1
155°	16.2	13.8	11.4	8.9	6.5	4.0	1.6	4.0	6.5	8.9	11.4
157.5°	15.0	12.8	10.5	8.3	6.1	3.8	1.6	3.8	6.1	8.3	10.5
160°	13.7	11.7	9.7	7.7	5.7	3.6	1.6	3.6	5.7	7.7	9.7
162.5°	12.4	10.6	8.8	7.0	5.2	3.4	1.6	3.4	5.2	7.0	8.8
165°	11.0	9.4	7.9	6.3	4.7	3.2	1.6	3.2	4.7	6.3	7.9
167.5°	9.5	8.2	6.9	5.6	4.3	2.9	1.6	2.9	4.3	5.6	6.9
170°	8.0	6.9	5.9	4.8	3.8	2.7	1.6	2.7	3.8	4.8	5.9
172.5°	6.4	5.6	4.8	4.0	3.2	2.4	1.6	2.4	3.2	4.0	4.8
175°	4.9	4.3	3.8	3.2	2.7	2.1	1.6	2.1	2.7	3.2	3.8
177.5°	4.0	3.7	3.5	3.2	2.9	2.7	2.4	2.7	2.9	3.2	3.5
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.7	4.0	4.3	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.2
5°	4.3	4.9	5.4	5.9	6.5	7.0	7.5	8.0	8.5	9.0	9.5
7.5°	5.6	6.4	7.2	8.0	8.8	9.5	10.2	10.9	11.6	12.3	13.0
10°	6.9	8.0	9.0	10.1	11.1	12.1	13.1	14.0	15.0	15.9	16.8
12.5°	8.2	9.5	10.8	12.1	13.4	14.6	15.8	17.0	18.2	19.3	20.4
15°	9.4	11.0	12.5	14.0	15.5	17.0	18.5	19.9	21.3	22.7	24.0
17.5°	10.6	12.4	14.2	15.9	17.6	19.3	20.9	22.6	24.2	25.8	27.4
20°	11.7	13.7	15.7	17.7	19.7	21.6	23.6	25.4	27.2	29.0	30.7
22.5°	12.8	15.0	17.2	19.4	21.6	23.7	25.9	28.0	30.1	32.1	34.2
25°	13.8	16.2	18.6	21.0	23.4	25.7	28.1	30.4	32.7	35.0	37.2
27.5°	14.8	17.4	20.0	22.6	25.2	27.7	30.2	32.8	35.2	37.7	40.2
30°	15.5	18.3	21.1	24.0	26.9	29.6	32.4	35.1	37.8	40.4	43.1
32.5°	16.1	19.1	22.1	25.0	28.0	31.1	34.1	37.2	40.2	43.1	45.9
35°	16.9	19.9	23.0	26.0	29.2	32.4	35.6	38.8	42.1	45.5	48.7
37.5°	17.3	20.6	23.9	27.3	30.5	33.8	37.0	40.3	43.8	47.3	50.9
40°	17.6	20.9	24.2	27.7	31.3	35.0	38.7	42.1	45.6	49.3	53.0
42.5°	17.8	21.2	24.7	28.2	31.8	35.4	39.4	43.7	47.8	51.5	55.2
45°	18.2	21.6	25.0	28.6	32.4	36.2	40.5	44.8	49.2	53.7	57.7
47.5°	18.7	22.1	25.5	29.1	32.9	37.2	41.6	46.1	50.6	55.3	60.0
50°	19.0	22.6	26.1	29.6	33.7	38.1	42.8	47.5	52.1	57.0	61.9
52.5°	19.1	22.5	26.3	30.4	34.7	39.0	43.6	48.7	53.8	58.7	63.8
55°	19.4	23.1	26.8	30.9	35.4	40.0	44.7	49.6	55.0	60.6	65.7
57.5°	19.2	22.9	27.1	31.7	36.1	40.8	45.7	50.7	56.0	61.9	67.9
60°	19.3	23.1	27.1	31.5	36.5	41.6	46.8	52.0	57.3	63.1	69.5
62.5°	18.1	22.5	27.1	31.6	36.3	41.8	47.5	53.3	58.5	63.9	70.4
65°	17.4	21.4	26.0	31.1	36.4	41.7	47.8	53.3	58.8	64.4	71.2
67.5°	16.4	20.4	25.0	30.1	35.9	41.5	46.4	52.3	58.4	64.8	71.7
70°	15.3	19.0	23.7	29.1	34.4	39.5	44.9	50.9	57.8	64.7	72.2
72.5°	14.5	18.1	22.3	26.8	31.7	37.4	43.2	49.6	56.9	64.5	72.6
75°	14.1	17.6	20.5	24.0	28.9	35.0	41.5	48.2	56.0	64.3	72.8
77.5°	14.1	15.6	18.2	21.9	26.6	32.4	40.0	46.9	55.1	63.9	73.2
80°	10.6	12.9	15.6	19.9	24.7	30.5	37.9	45.3	53.7	63.4	73.7
82.5°	6.0	9.6	13.1	18.1	23.3	28.8	35.5	43.5	52.4	63.0	74.3
85°	2.1	7.7	13.0	17.7	22.5	27.5	34.0	41.8	51.4	63.0	75.3
87.5°	0.7	8.2	14.0	18.4	22.4	26.8	33.1	40.7	50.9	63.4	76.6
90°	0.0	9.4	15.7	19.7	22.8	26.7	33.0	40.1	51.1	64.5	78.7
92.5°	0.7	8.2	14.0	18.4	22.4	26.8	33.1	40.7	50.9	63.4	76.6
95°	2.1	7.7	13.0	17.7	22.5	27.5	34.0	41.8	51.4	63.0	75.3
97.5°	6.0	9.6	13.1	18.1	23.3	28.8	35.5	43.5	52.4	63.0	74.3
100°	10.6	12.9	15.6	19.9	24.7	30.5	37.9	45.3	53.7	63.4	73.7
102.5°	14.1	15.6	18.2	21.9	26.6	32.4	40.0	46.9	55.1	63.9	73.2
105°	14.1	17.6	20.5	24.0	28.9	35.0	41.5	48.2	56.0	64.3	72.8
107.5°	14.5	18.1	22.3	26.8	31.7	37.4	43.2	49.6	56.9	64.5	72.6
110°	15.3	19.0	23.7	29.1	34.4	39.5	44.9	50.9	57.8	64.7	72.2



TEST NUMBER: P232007

CATALOG NUMBER: FVS4WM-4-LD4-50-2LO-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°	16.4	20.4	25.0	30.1	35.9	41.5	46.4	52.3	58.4	64.8	71.7
115°	17.4	21.4	26.0	31.1	36.4	41.7	47.8	53.3	58.8	64.4	71.2
117.5°	18.1	22.5	27.1	31.6	36.3	41.8	47.5	53.3	58.5	63.9	70.4
120°	19.3	23.1	27.1	31.5	36.5	41.6	46.8	52.0	57.3	63.1	69.5
122.5°	19.2	22.9	27.1	31.7	36.1	40.8	45.7	50.7	56.0	61.9	67.9
125°	19.4	23.1	26.8	30.9	35.4	40.0	44.7	49.6	55.0	60.6	65.7
127.5°	19.1	22.5	26.3	30.4	34.7	39.0	43.6	48.7	53.8	58.7	63.8
130°	19.0	22.6	26.1	29.6	33.7	38.1	42.8	47.5	52.1	57.0	61.9
132.5°	18.7	22.1	25.5	29.1	32.9	37.2	41.6	46.1	50.6	55.3	60.0
135°	18.2	21.6	25.0	28.6	32.4	36.2	40.5	44.8	49.2	53.7	57.7
137.5°	17.8	21.2	24.7	28.2	31.8	35.4	39.4	43.7	47.8	51.5	55.2
140°	17.6	20.9	24.2	27.7	31.3	35.0	38.7	42.1	45.6	49.3	53.0
142.5°	17.3	20.6	23.9	27.3	30.5	33.8	37.0	40.3	43.8	47.3	50.9
145°	16.9	19.9	23.0	26.0	29.2	32.4	35.6	38.8	42.1	45.5	48.7
147.5°	16.1	19.1	22.1	25.0	28.0	31.1	34.1	37.2	40.2	43.1	45.9
150°	15.5	18.3	21.1	24.0	26.9	29.6	32.4	35.1	37.8	40.4	43.1
152.5°	14.8	17.4	20.0	22.6	25.2	27.7	30.2	32.8	35.2	37.7	40.2
155°	13.8	16.2	18.6	21.0	23.4	25.7	28.1	30.4	32.7	35.0	37.2
157.5°	12.8	15.0	17.2	19.4	21.6	23.7	25.9	28.0	30.1	32.1	34.2
160°	11.7	13.7	15.7	17.7	19.7	21.6	23.6	25.4	27.2	29.0	30.7
162.5°	10.6	12.4	14.2	15.9	17.6	19.3	20.9	22.6	24.2	25.8	27.4
165°	9.4	11.0	12.5	14.0	15.5	17.0	18.5	19.9	21.3	22.7	24.0
167.5°	8.2	9.5	10.8	12.1	13.4	14.6	15.8	17.0	18.2	19.3	20.4
170°	6.9	8.0	9.0	10.1	11.1	12.1	13.1	14.0	15.0	15.9	16.8
172.5°	5.6	6.4	7.2	8.0	8.8	9.5	10.2	10.9	11.6	12.3	13.0
175°	4.3	4.9	5.4	5.9	6.5	7.0	7.5	8.0	8.5	9.0	9.5
177.5°	3.7	4.0	4.3	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.8	8.0	8.1	8.3
5°	10.0	10.4	10.8	11.3	11.7	12.1	12.4	12.8	13.1	13.5	13.8
7.5°	13.6	14.2	14.8	15.3	15.9	16.5	17.1	17.6	18.1	18.6	19.1
10°	17.6	18.4	19.2	20.0	20.7	21.3	22.0	22.6	23.1	23.8	24.4
12.5°	21.5	22.5	23.5	24.5	25.4	26.3	27.1	27.9	28.6	29.2	29.8
15°	25.3	26.6	27.8	28.9	30.0	31.1	32.1	33.1	34.0	34.8	35.5
17.5°	29.0	30.5	32.0	33.3	34.6	35.8	37.0	38.2	39.2	40.2	41.2
20°	32.4	34.1	35.8	37.5	39.1	40.6	41.9	43.2	44.4	45.6	46.7
22.5°	36.1	37.9	39.7	41.4	43.2	45.0	46.7	48.2	49.6	50.9	52.1
25°	39.4	41.6	43.7	45.6	47.4	49.2	51.1	53.0	54.8	56.2	59.0
27.5°	42.6	45.0	47.3	49.6	51.8	53.7	56.7	60.3	64.2	68.1	71.9
30°	45.7	48.2	50.8	53.7	57.0	60.6	64.4	68.6	73.3	78.4	83.5
32.5°	48.7	51.6	54.6	58.0	61.7	65.8	70.2	75.2	80.8	86.9	93.4
35°	51.7	54.8	58.0	61.4	65.4	69.8	74.8	80.3	86.7	94.1	101.9
37.5°	54.4	57.7	61.1	64.6	68.5	73.1	78.5	84.6	91.2	99.7	109.0
40°	56.8	60.4	64.0	67.7	71.6	75.9	81.4	87.9	95.4	103.8	114.8
42.5°	59.1	63.1	66.9	70.6	74.6	79.0	83.9	90.8	98.7	107.9	119.3
45°	61.6	65.6	69.8	73.7	77.7	82.0	87.1	93.0	101.6	111.5	122.5
47.5°	64.3	68.3	72.6	76.9	80.9	85.2	90.0	96.0	104.1	114.3	126.4
50°	66.7	71.3	75.4	80.0	84.4	88.4	93.3	99.3	107.0	118.3	130.5
52.5°	69.0	74.0	78.6	83.0	87.8	93.9	99.7	105.9	113.7	123.4	135.0
55°	71.1	76.6	82.0	88.5	95.7	103.1	108.0	113.7	120.5	129.0	140.3
57.5°	73.3	79.9	86.9	94.5	103.0	111.4	117.5	121.9	127.5	135.8	146.4
60°	76.0	82.9	90.9	99.5	109.1	119.2	127.7	130.9	135.9	143.2	152.9
62.5°	77.8	85.5	94.1	103.6	114.2	126.4	136.6	141.1	144.7	150.8	159.8
65°	78.9	87.4	96.8	107.1	118.7	132.1	144.6	151.9	153.8	158.5	167.2
67.5°	79.9	88.9	99.2	110.3	122.8	137.2	152.5	163.1	163.4	167.1	175.2
70°	80.7	90.3	101.1	113.3	126.4	141.6	159.9	173.0	174.2	175.8	181.5
72.5°	81.6	91.6	102.7	116.1	130.0	145.2	161.7	173.6	175.7	176.1	181.1
75°	82.4	93.1	104.7	118.2	132.6	146.8	160.4	171.4	175.6	176.2	181.0
77.5°	83.5	94.9	107.1	120.6	135.4	149.5	160.9	169.9	175.2	176.2	181.0
80°	84.8	96.9	109.8	123.4	138.6	153.2	162.7	169.0	174.5	176.2	181.1
82.5°	86.3	99.1	112.9	126.7	142.1	157.8	165.7	168.6	173.7	176.1	181.4
85°	88.2	101.7	116.4	130.6	146.1	163.0	169.4	168.5	172.7	176.1	181.9
87.5°	90.6	104.8	120.5	135.0	150.6	168.6	173.6	168.7	171.7	176.1	182.5
90°	93.6	108.6	125.1	140.0	155.8	174.6	177.8	169.1	170.7	176.2	183.3
92.5°	90.6	104.8	120.5	135.0	150.6	168.6	173.6	168.7	171.7	176.1	182.5
95°	88.2	101.7	116.4	130.6	146.1	163.0	169.4	168.5	172.7	176.1	181.9
97.5°	86.3	99.1	112.9	126.7	142.1	157.8	165.7	168.6	173.7	176.1	181.4
100°	84.8	96.9	109.8	123.4	138.6	153.2	162.7	169.0	174.5	176.2	181.1
102.5°	83.5	94.9	107.1	120.6	135.4	149.5	160.9	169.9	175.2	176.2	181.0
105°	82.4	93.1	104.7	118.2	132.6	146.8	160.4	171.4	175.6	176.2	181.0
107.5°	81.6	91.6	102.7	116.1	130.0	145.2	161.7	173.6	175.7	176.1	181.1
110°	80.7	90.3	101.1	113.3	126.4	141.6	159.9	173.0	174.2	175.8	181.5



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	79.9	88.9	99.2	110.3	122.8	137.2	152.5	163.1	163.4	167.1	175.2
115°	78.9	87.4	96.8	107.1	118.7	132.1	144.6	151.9	153.8	158.5	167.2
117.5°	77.8	85.5	94.1	103.6	114.2	126.4	136.6	141.1	144.7	150.8	159.8
120°	76.0	82.9	90.9	99.5	109.1	119.2	127.7	130.9	135.9	143.2	152.9
122.5°	73.3	79.9	86.9	94.5	103.0	111.4	117.5	121.9	127.5	135.8	146.4
125°	71.1	76.6	82.0	88.5	95.7	103.1	108.0	113.7	120.5	129.0	140.3
127.5°	69.0	74.0	78.6	83.0	87.8	93.9	99.7	105.9	113.7	123.4	135.0
130°	66.7	71.3	75.4	80.0	84.4	88.4	93.3	99.3	107.0	118.3	130.5
132.5°	64.3	68.3	72.6	76.9	80.9	85.2	90.0	96.0	104.1	114.3	126.4
135°	61.6	65.6	69.8	73.7	77.7	82.0	87.1	93.0	101.6	111.5	122.5
137.5°	59.1	63.1	66.9	70.6	74.6	79.0	83.9	90.8	98.7	107.9	119.3
140°	56.8	60.4	64.0	67.7	71.6	75.9	81.4	87.9	95.4	103.8	114.8
142.5°	54.4	57.7	61.1	64.6	68.5	73.1	78.5	84.6	91.2	99.7	109.0
145°	51.7	54.8	58.0	61.4	65.4	69.8	74.8	80.3	86.7	94.1	101.9
147.5°	48.7	51.6	54.6	58.0	61.7	65.8	70.2	75.2	80.8	86.9	93.4
150°	45.7	48.2	50.8	53.7	57.0	60.6	64.4	68.6	73.3	78.4	83.5
152.5°	42.6	45.0	47.3	49.6	51.8	53.7	56.7	60.3	64.2	68.1	71.9
155°	39.4	41.6	43.7	45.6	47.4	49.2	51.1	53.0	54.8	56.2	59.0
157.5°	36.1	37.9	39.7	41.4	43.2	45.0	46.7	48.2	49.6	50.9	52.1
160°	32.4	34.1	35.8	37.5	39.1	40.6	41.9	43.2	44.4	45.6	46.7
162.5°	29.0	30.5	32.0	33.3	34.6	35.8	37.0	38.2	39.2	40.2	41.2
165°	25.3	26.6	27.8	28.9	30.0	31.1	32.1	33.1	34.0	34.8	35.5
167.5°	21.5	22.5	23.5	24.5	25.4	26.3	27.1	27.9	28.6	29.2	29.8
170°	17.6	18.4	19.2	20.0	20.7	21.3	22.0	22.6	23.1	23.8	24.4
172.5°	13.6	14.2	14.8	15.3	15.9	16.5	17.1	17.6	18.1	18.6	19.1
175°	10.0	10.4	10.8	11.3	11.7	12.1	12.4	12.8	13.1	13.5	13.8
177.5°	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.8	8.0	8.1	8.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	8.4	8.5	8.7	8.8	8.9	8.9	9.0	9.1	9.1	9.1	10.0
5°	14.1	14.4	14.6	14.9	15.1	15.3	15.5	15.6	15.7	15.8	17.5
7.5°	19.5	19.9	20.3	20.7	21.1	21.5	21.8	22.1	22.3	22.6	25.1
10°	24.9	25.4	25.9	26.4	26.9	27.5	28.0	28.5	28.9	29.3	32.6
12.5°	30.4	31.0	31.6	32.1	32.6	33.3	34.1	34.8	35.4	36.0	40.0
15°	36.1	36.6	37.3	38.0	38.5	39.1	40.0	41.0	41.9	42.7	47.4
17.5°	41.9	42.5	43.1	43.8	44.4	45.0	45.8	47.1	48.3	49.5	54.8
20°	47.7	48.4	49.1	49.6	50.4	51.0	51.6	53.1	54.7	56.2	62.2
22.5°	53.3	54.3	55.1	55.7	56.3	57.0	57.7	59.1	61.1	62.9	69.5
25°	61.9	64.8	67.5	69.9	72.2	74.7	77.1	79.9	83.2	86.2	93.8
27.5°	75.7	79.5	83.3	86.8	90.0	93.3	97.1	100.8	105.4	109.6	118.4
30°	88.4	93.3	98.1	102.8	107.1	111.3	116.4	121.4	127.4	132.9	143.1
32.5°	99.8	106.0	112.1	118.0	123.6	129.0	135.3	141.9	149.2	156.3	167.8
35°	110.0	117.6	125.2	132.4	139.5	146.2	153.7	162.1	170.9	179.6	192.5
37.5°	118.6	128.2	137.4	146.2	155.2	162.9	171.6	182.0	192.5	203.0	217.4
40°	126.2	137.8	148.7	159.3	169.5	179.3	189.1	201.5	214.0	226.3	242.3
42.5°	132.6	146.1	159.2	172.3	183.7	195.2	206.7	220.8	235.4	249.7	267.2
45°	137.9	153.5	169.0	183.5	197.4	210.7	223.6	239.9	256.6	273.0	292.2
47.5°	141.9	158.6	174.4	188.7	202.4	215.7	229.3	246.3	265.0	284.2	304.7
50°	144.1	160.4	175.7	190.2	204.3	218.4	233.6	252.1	273.1	295.4	317.1
52.5°	147.8	163.1	177.9	192.1	206.3	221.1	237.7	257.7	281.1	306.6	329.5
55°	152.9	166.8	180.9	194.4	208.5	223.9	241.6	263.2	288.9	317.8	341.9
57.5°	158.4	171.4	184.7	197.1	211.0	226.7	245.5	268.6	296.7	328.9	354.2
60°	164.3	176.9	189.6	200.6	213.8	229.5	249.2	274.0	304.4	340.1	366.6
62.5°	170.7	183.2	194.2	204.6	216.8	232.5	252.8	279.3	312.0	351.3	378.9
65°	177.7	189.8	200.0	209.1	220.2	235.5	256.4	284.5	319.5	362.5	391.1
67.5°	185.1	196.7	206.3	214.1	223.7	238.6	260.0	289.8	327.1	373.7	403.4
70°	189.6	199.0	207.5	213.8	222.2	236.4	257.5	287.5	325.0	372.7	407.2
72.5°	188.8	197.1	205.4	211.6	219.6	233.6	254.8	285.2	322.9	371.8	411.0
75°	188.3	195.6	203.5	209.4	217.0	230.9	252.1	283.0	320.9	370.8	416.4
77.5°	188.3	194.4	201.7	207.3	214.6	228.4	249.7	281.0	318.9	369.8	419.9
80°	188.5	193.6	200.0	205.4	212.4	226.0	247.4	279.1	317.1	368.9	423.4
82.5°	189.0	192.9	198.5	203.4	210.2	223.7	245.2	277.3	315.4	367.9	426.9
85°	189.6	192.5	197.0	201.6	208.2	221.6	243.3	275.7	313.7	366.9	430.4
87.5°	190.4	192.2	195.6	199.9	206.3	219.7	241.5	274.3	312.2	366.0	433.9
90°	191.2	192.0	194.3	198.2	204.5	217.9	239.9	273.0	310.7	365.0	437.4
92.5°	190.4	192.2	195.6	199.9	206.3	219.7	241.5	274.3	312.2	366.0	433.9
95°	189.6	192.5	197.0	201.6	208.2	221.6	243.3	275.7	313.7	366.9	430.4
97.5°	189.0	192.9	198.5	203.4	210.2	223.7	245.2	277.3	315.4	367.9	426.9
100°	188.5	193.6	200.0	205.4	212.4	226.0	247.4	279.1	317.1	368.9	423.4
102.5°	188.3	194.4	201.7	207.3	214.6	228.4	249.7	281.0	318.9	369.8	419.9
105°	188.3	195.6	203.5	209.4	217.0	230.9	252.1	283.0	320.9	370.8	416.4
107.5°	188.8	197.1	205.4	211.6	219.6	233.6	254.8	285.2	322.9	371.8	411.0
110°	189.6	199.0	207.5	213.8	222.2	236.4	257.5	287.5	325.0	372.7	407.2





TEST NUMBER: P232007

CATALOG NUMBER: FVS4WM-4-LD4-50-2LO-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°	185.1	196.7	206.3	214.1	223.7	238.6	260.0	289.8	327.1	373.7	403.4
115°	177.7	189.8	200.0	209.1	220.2	235.5	256.4	284.5	319.5	362.5	391.1
117.5°	170.7	183.2	194.2	204.6	216.8	232.5	252.8	279.3	312.0	351.3	378.9
120°	164.3	176.9	189.6	200.6	213.8	229.5	249.2	274.0	304.4	340.1	366.6
122.5°	158.4	171.4	184.7	197.1	211.0	226.7	245.5	268.6	296.7	328.9	354.2
125°	152.9	166.8	180.9	194.4	208.5	223.9	241.6	263.2	288.9	317.8	341.9
127.5°	147.8	163.1	177.9	192.1	206.3	221.1	237.7	257.7	281.1	306.6	329.5
130°	144.1	160.4	175.7	190.2	204.3	218.4	233.6	252.1	273.1	295.4	317.1
132.5°	141.9	158.6	174.4	188.7	202.4	215.7	229.3	246.3	265.0	284.2	304.7
135°	137.9	153.5	169.0	183.5	197.4	210.7	223.6	239.9	256.6	273.0	292.2
137.5°	132.6	146.1	159.2	172.3	183.7	195.2	206.7	220.8	235.4	249.7	267.2
140°	126.2	137.8	148.7	159.3	169.5	179.3	189.1	201.5	214.0	226.3	242.3
142.5°	118.6	128.2	137.4	146.2	155.2	162.9	171.6	182.0	192.5	203.0	217.4
145°	110.0	117.6	125.2	132.4	139.5	146.2	153.7	162.1	170.9	179.6	192.5
147.5°	99.8	106.0	112.1	118.0	123.6	129.0	135.3	141.9	149.2	156.3	167.8
150°	88.4	93.3	98.1	102.8	107.1	111.3	116.4	121.4	127.4	132.9	143.1
152.5°	75.7	79.5	83.3	86.8	90.0	93.3	97.1	100.8	105.4	109.6	118.4
155°	61.9	64.8	67.5	69.9	72.2	74.7	77.1	79.9	83.2	86.2	93.8
157.5°	53.3	54.3	55.1	55.7	56.3	57.0	57.7	59.1	61.1	62.9	69.5
160°	47.7	48.4	49.1	49.6	50.4	51.0	51.6	53.1	54.7	56.2	62.2
162.5°	41.9	42.5	43.1	43.8	44.4	45.0	45.8	47.1	48.3	49.5	54.8
165°	36.1	36.6	37.3	38.0	38.5	39.1	40.0	41.0	41.9	42.7	47.4
167.5°	30.4	31.0	31.6	32.1	32.6	33.3	34.1	34.8	35.4	36.0	40.0
170°	24.9	25.4	25.9	26.4	26.9	27.5	28.0	28.5	28.9	29.3	32.6
172.5°	19.5	19.9	20.3	20.7	21.1	21.5	21.8	22.1	22.3	22.6	25.1
175°	14.1	14.4	14.6	14.9	15.1	15.3	15.5	15.6	15.7	15.8	17.5
177.5°	8.4	8.5	8.7	8.8	8.9	8.9	9.0	9.1	9.1	9.1	10.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	10.8	11.7	12.5	13.3	14.1	14.8	15.6	16.3	17.0	17.6	18.3
5°	19.2	20.9	22.5	24.1	25.6	27.1	28.5	29.9	31.3	32.6	33.9
7.5°	27.5	30.0	32.3	34.7	36.9	39.1	41.4	44.1	46.8	49.4	51.9
10°	35.8	39.0	42.1	45.1	48.2	52.2	56.0	59.7	63.3	66.8	70.3
12.5°	44.0	47.8	51.6	55.9	60.9	65.9	70.7	75.4	80.0	84.6	89.1
15°	52.1	56.6	61.3	67.6	73.7	79.7	85.5	91.1	96.5	101.8	107.6
17.5°	60.1	65.3	72.0	79.4	86.6	93.5	99.6	105.7	111.7	117.6	123.2
20°	68.1	74.0	82.7	91.2	99.4	106.1	112.8	119.4	126.1	132.7	139.0
22.5°	75.9	83.6	93.4	103.1	110.8	118.0	125.0	132.6	140.1	147.3	154.2
25°	101.0	109.9	119.6	128.2	134.2	139.9	145.7	151.3	156.3	160.5	167.6
27.5°	126.8	137.2	147.7	155.8	162.4	168.6	174.6	180.0	184.1	188.1	191.8
30°	152.7	164.5	176.0	183.3	190.9	196.6	202.5	206.8	210.8	214.6	218.2
32.5°	179.0	191.6	202.7	210.7	217.7	223.7	228.7	232.5	236.2	239.8	245.0
35°	205.3	218.6	229.4	237.8	244.3	250.5	253.7	257.1	260.5	264.8	271.8
37.5°	231.5	245.5	256.0	264.7	270.3	274.8	277.8	280.8	284.2	290.3	297.7
40°	257.6	272.3	282.5	290.5	295.5	298.6	301.0	303.5	307.9	314.2	324.6
42.5°	283.6	298.7	308.8	315.7	320.0	321.7	323.4	325.2	330.8	338.9	350.1
45°	309.5	324.6	334.9	340.4	343.2	343.9	345.0	347.6	352.5	363.2	375.7
47.5°	325.2	343.9	358.3	366.3	371.0	372.8	372.5	371.9	375.4	386.9	400.7
50°	340.8	363.3	381.7	394.2	404.3	412.8	420.0	428.2	435.7	440.5	443.0
52.5°	356.9	383.4	405.9	423.8	440.3	456.5	473.3	490.5	505.9	514.4	515.7
55°	373.2	404.1	431.4	455.1	478.6	503.6	531.1	557.8	579.5	589.9	582.1
57.5°	389.9	425.5	457.9	488.2	519.4	553.7	593.1	628.7	653.3	660.2	642.5
60°	406.9	447.4	485.3	522.9	563.2	607.1	658.7	702.8	728.3	722.8	700.0
62.5°	424.0	469.7	513.5	558.9	608.9	664.8	727.3	779.8	804.1	781.0	754.1
65°	441.4	492.4	542.5	596.2	656.3	724.9	797.3	854.9	880.1	835.3	805.0
67.5°	458.8	515.4	572.0	634.4	705.2	786.9	869.1	928.5	940.2	888.1	853.3
70°	462.4	520.5	580.7	648.1	725.9	817.5	908.6	975.1	983.5	937.7	900.7
72.5°	465.2	524.0	586.1	655.3	734.4	826.9	914.0	976.8	982.0	951.1	921.6
75°	467.7	527.2	591.1	661.9	741.8	834.5	917.1	978.6	986.2	967.7	939.2
77.5°	469.9	530.0	595.8	667.7	748.1	840.2	918.1	980.4	995.1	987.0	956.9
80°	473.2	532.5	600.0	672.8	753.3	844.2	917.2	981.9	1007.6	1008.4	974.7
82.5°	474.1	536.2	606.1	677.1	757.5	846.7	914.5	982.8	1022.6	1031.5	993.0
85°	475.0	537.1	608.1	682.2	762.5	850.1	912.3	985.7	1039.2	1055.6	1011.9
87.5°	475.8	538.0	610.0	684.1	763.2	847.9	905.4	982.9	1056.9	1080.4	1031.1
90°	476.7	538.9	612.0	686.0	763.9	845.7	898.4	980.2	1072.3	1104.5	1052.6
92.5°	475.8	538.0	610.0	684.1	763.2	847.9	905.4	982.9	1056.9	1080.4	1031.1
95°	475.0	537.1	608.1	682.2	762.5	850.1	912.3	985.7	1039.2	1055.6	1011.9
97.5°	474.1	536.2	606.1	677.1	757.5	846.7	914.5	982.8	1022.6	1031.5	993.0
100°	473.2	532.5	600.0	672.8	753.3	844.2	917.2	981.9	1007.6	1008.4	974.7
102.5°	469.9	530.0	595.8	667.7	748.1	840.2	918.1	980.4	995.1	987.0	956.9
105°	467.7	527.2	591.1	661.9	741.8	834.5	917.1	978.6	986.2	967.7	939.2
107.5°	465.2	524.0	586.1	655.3	734.4	826.9	914.0	976.8	982.0	951.1	921.6
110°	462.4	520.5	580.7	648.1	725.9	817.5	908.6	975.1	983.5	937.7	900.7



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	458.8	515.4	572.0	634.4	705.2	786.9	869.1	928.5	940.2	888.1	853.3
115°	441.4	492.4	542.5	596.2	656.3	724.9	797.3	854.9	880.1	835.3	805.0
117.5°	424.0	469.7	513.5	558.9	608.9	664.8	727.3	779.8	804.1	781.0	754.1
120°	406.9	447.4	485.3	522.9	563.2	607.1	658.7	702.8	728.3	722.8	700.0
122.5°	389.9	425.5	457.9	488.2	519.4	553.7	593.1	628.7	653.3	660.2	642.5
125°	373.2	404.1	431.4	455.1	478.6	503.6	531.1	557.8	579.5	589.9	582.1
127.5°	356.9	383.4	405.9	423.8	440.3	456.5	473.3	490.5	505.9	514.4	515.7
130°	340.8	363.3	381.7	394.2	404.3	412.8	420.0	428.2	435.7	440.5	443.0
132.5°	325.2	343.9	358.3	366.3	371.0	372.8	372.5	371.9	375.4	386.9	400.7
135°	309.5	324.6	334.9	340.4	343.2	343.9	345.0	347.6	352.5	363.2	375.7
137.5°	283.6	298.7	308.8	315.7	320.0	321.7	323.4	325.2	330.8	338.9	350.1
140°	257.6	272.3	282.5	290.5	295.5	298.6	301.0	303.5	307.9	314.2	324.6
142.5°	231.5	245.5	256.0	264.7	270.3	274.8	277.8	280.8	284.2	290.3	297.7
145°	205.3	218.6	229.4	237.8	244.3	250.5	253.7	257.1	260.5	264.8	271.8
147.5°	179.0	191.6	202.7	210.7	217.7	223.7	228.7	232.5	236.2	239.8	245.0
150°	152.7	164.5	176.0	183.3	190.9	196.6	202.5	206.8	210.8	214.6	218.2
152.5°	126.8	137.2	147.7	155.8	162.4	168.6	174.6	180.0	184.1	188.1	191.8
155°	101.0	109.9	119.6	128.2	134.2	139.9	145.7	151.3	156.3	160.5	167.6
157.5°	75.9	83.6	93.4	103.1	110.8	118.0	125.0	132.6	140.1	147.3	154.2
160°	68.1	74.0	82.7	91.2	99.4	106.1	112.8	119.4	126.1	132.7	139.0
162.5°	60.1	65.3	72.0	79.4	86.6	93.5	99.6	105.7	111.7	117.6	123.2
165°	52.1	56.6	61.3	67.6	73.7	79.7	85.5	91.1	96.5	101.8	107.6
167.5°	44.0	47.8	51.6	55.9	60.9	65.9	70.7	75.4	80.0	84.6	89.1
170°	35.8	39.0	42.1	45.1	48.2	52.2	56.0	59.7	63.3	66.8	70.3
172.5°	27.5	30.0	32.3	34.7	36.9	39.1	41.4	44.1	46.8	49.4	51.9
175°	19.2	20.9	22.5	24.1	25.6	27.1	28.5	29.9	31.3	32.6	33.9
177.5°	10.8	11.7	12.5	13.3	14.1	14.8	15.6	16.3	17.0	17.6	18.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	18.9	19.4	20.0	20.5	21.0	21.4	21.8	22.2	22.5	22.8	23.1
5°	35.4	36.9	38.3	39.6	40.9	42.1	43.2	44.2	45.1	45.9	46.6
7.5°	54.2	56.5	58.6	60.6	62.6	64.9	67.0	69.0	70.9	72.6	74.2
10°	73.7	77.2	80.6	83.8	86.9	89.9	92.8	95.2	97.3	99.1	100.9
12.5°	93.5	97.8	101.8	105.3	108.7	111.8	114.8	117.6	120.1	123.1	126.3
15°	111.7	116.2	120.6	124.8	128.9	133.7	138.3	142.7	147.0	151.1	154.9
17.5°	128.7	134.6	139.6	145.3	150.9	156.4	161.4	165.9	170.3	174.5	178.4
20°	145.4	151.9	158.2	164.4	170.0	175.6	180.9	186.3	191.7	196.6	201.1
22.5°	161.0	167.8	174.3	180.7	187.1	193.3	201.2	207.7	213.5	217.8	221.3
25°	174.7	181.8	189.6	197.7	206.5	214.7	222.6	229.3	235.0	240.0	244.8
27.5°	195.3	199.8	206.6	216.8	227.8	237.9	247.9	255.3	262.8	269.0	274.1
30°	223.5	230.3	237.5	246.7	255.5	265.5	276.5	286.1	293.8	300.4	306.5
32.5°	252.0	260.2	270.1	280.0	290.6	300.7	309.6	318.0	326.7	334.8	342.2
35°	280.1	290.7	301.6	313.3	324.5	334.9	344.5	353.5	361.8	371.4	382.6
37.5°	308.7	320.2	332.8	345.3	357.3	368.5	378.9	389.4	400.8	412.9	426.1
40°	336.1	349.5	363.1	376.8	389.5	401.3	414.2	427.5	442.7	459.5	478.4
42.5°	363.7	378.0	393.3	407.4	420.6	435.5	450.4	468.6	488.8	513.2	539.6
45°	390.1	406.7	422.5	436.9	453.1	469.6	489.2	510.8	539.8	570.8	606.2
47.5°	417.2	434.9	450.4	467.2	485.3	505.2	528.4	558.9	594.0	632.3	681.6
50°	446.5	461.3	478.1	497.5	517.4	539.9	571.4	608.4	651.1	706.6	765.2
52.5°	513.7	513.7	518.5	526.7	548.4	578.3	615.1	659.2	719.1	784.0	853.3
55°	575.2	572.5	575.9	579.5	593.9	617.6	658.2	720.1	788.8	862.8	951.7
57.5°	632.1	627.3	625.7	628.9	646.1	675.5	721.0	782.1	858.5	949.2	1047.8
60°	685.3	677.3	671.1	677.8	697.7	730.8	787.3	855.6	936.7	1029.8	1135.5
62.5°	735.9	722.7	713.0	721.5	745.8	789.7	850.1	923.5	1015.5	1115.1	1229.1
65°	783.0	764.0	755.8	765.3	791.7	840.8	906.9	991.6	1089.8	1201.0	1334.9
67.5°	826.9	801.5	794.6	806.6	838.6	890.4	960.4	1050.9	1158.0	1293.4	1443.5
70°	867.9	837.1	829.7	843.9	879.0	934.3	1011.5	1109.6	1231.2	1378.5	1539.3
72.5°	891.3	868.3	864.9	880.3	914.5	974.3	1054.6	1161.3	1302.5	1450.5	1598.5
75°	909.6	893.3	895.5	915.4	953.7	1013.3	1097.2	1210.2	1365.1	1504.5	1650.4
77.5°	929.7	919.0	925.6	948.6	990.4	1053.8	1141.9	1263.4	1409.4	1547.4	1689.7
80°	951.3	945.3	955.1	980.0	1023.9	1088.9	1178.8	1304.3	1444.8	1588.1	1733.8
82.5°	974.3	972.0	984.0	1009.6	1054.4	1119.1	1208.5	1333.7	1472.4	1620.3	1769.1
85°	998.2	999.1	1012.3	1037.7	1082.2	1145.0	1231.8	1352.8	1491.9	1643.7	1795.0
87.5°	1022.7	1026.3	1040.4	1065.1	1108.7	1168.5	1251.5	1366.2	1507.2	1662.6	1816.2
90°	1047.9	1053.4	1067.5	1090.4	1131.3	1186.3	1262.6	1366.5	1506.5	1662.3	1816.5
92.5°	1022.7	1026.3	1040.4	1065.1	1108.7	1168.5	1251.5	1366.2	1507.2	1662.6	1816.2
95°	998.2	999.1	1012.3	1037.7	1082.2	1145.0	1231.8	1352.8	1491.9	1643.7	1795.0
97.5°	974.3	972.0	984.0	1009.6	1054.4	1119.1	1208.5	1333.7	1472.4	1620.3	1769.1
100°	951.3	945.3	955.1	980.0	1023.9	1088.9	1178.8	1304.3	1444.8	1588.1	1733.8
102.5°	929.7	919.0	925.6	948.6	990.4	1053.8	1141.9	1263.4	1409.4	1547.4	1689.7
105°	909.6	893.3	895.5	915.4	953.7	1013.3	1097.2	1210.2	1365.1	1504.5	1650.4
107.5°	891.3	868.3	864.9	880.3	914.5	974.3	1054.6	1161.3	1302.5	1450.5	1598.5
110°	867.9	837.1	829.7	843.9	879.0	934.3	1011.5	1109.6	1231.2	1378.5	1539.3



TEST NUMBER: P232007

CATALOG NUMBER: FVS4WM-4-LD4-50-2LO-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°	826.9	801.5	794.6	806.6	838.6	890.4	960.4	1050.9	1158.0	1293.4	1443.5
115°	783.0	764.0	755.8	765.3	791.7	840.8	906.9	991.6	1089.8	1201.0	1334.9
117.5°	735.9	722.7	713.0	721.5	745.8	789.7	850.1	923.5	1015.5	1115.1	1229.1
120°	685.3	677.3	671.1	677.8	697.7	730.8	787.3	855.6	936.7	1029.8	1135.5
122.5°	632.1	627.3	625.7	628.9	646.1	675.5	721.0	782.1	858.5	949.2	1047.8
125°	575.2	572.5	575.9	579.5	593.9	617.6	658.2	720.1	788.8	862.8	951.7
127.5°	513.7	513.7	518.5	526.7	548.4	578.3	615.1	659.2	719.1	784.0	853.3
130°	446.5	461.3	478.1	497.5	517.4	539.9	571.4	608.4	651.1	706.6	765.2
132.5°	417.2	434.9	450.4	467.2	485.3	505.2	528.4	558.9	594.0	632.3	681.6
135°	390.1	406.7	422.5	436.9	453.1	469.6	489.2	510.8	539.8	570.8	606.2
137.5°	363.7	378.0	393.3	407.4	420.6	435.5	450.4	468.6	488.8	513.2	539.6
140°	336.1	349.5	363.1	376.8	389.5	401.3	414.2	427.5	442.7	459.5	478.4
142.5°	308.7	320.2	332.8	345.3	357.3	368.5	378.9	389.4	400.8	412.9	426.1
145°	280.1	290.7	301.6	313.3	324.5	334.9	344.5	353.5	361.8	371.4	382.6
147.5°	252.0	260.2	270.1	280.0	290.6	300.7	309.6	318.0	326.7	334.8	342.2
150°	223.5	230.3	237.5	246.7	255.5	265.5	276.5	286.1	293.8	300.4	306.5
152.5°	195.3	199.8	206.6	216.8	227.8	237.9	247.9	255.3	262.8	269.0	274.1
155°	174.7	181.8	189.6	197.7	206.5	214.7	222.6	229.3	235.0	240.0	244.8
157.5°	161.0	167.8	174.3	180.7	187.1	194.3	201.2	207.7	213.5	217.8	221.3
160°	145.4	151.9	158.2	164.4	170.0	175.6	180.9	186.3	191.7	196.6	201.1
162.5°	128.7	134.6	139.6	145.3	150.9	156.4	161.4	165.9	170.3	174.5	178.4
165°	111.7	116.2	120.6	124.8	128.9	133.7	138.3	142.7	147.0	151.1	154.9
167.5°	93.5	97.8	101.8	105.3	108.7	111.8	114.8	117.6	120.1	123.1	126.3
170°	73.7	77.2	80.6	83.8	86.9	89.9	92.8	95.2	97.3	99.1	100.9
172.5°	54.2	56.5	58.6	60.6	62.6	64.9	67.0	69.0	70.9	72.6	74.2
175°	35.4	36.9	38.3	39.6	40.9	42.1	43.2	44.2	45.1	45.9	46.6
177.5°	18.9	19.4	20.0	20.5	21.0	21.4	21.8	22.2	22.5	22.8	23.1
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	23.3	23.5	23.6	23.7	23.8	23.8	24.5	24.2	23.9	23.6	23.4
5°	47.2	47.8	48.2	48.5	48.8	48.9	49.0	48.9	49.5	48.9	48.4
7.5°	75.6	76.9	78.1	79.0	79.9	80.5	81.0	81.3	81.5	82.3	81.6
10°	102.4	103.8	104.9	105.9	106.7	107.4	107.8	108.0	108.1	108.8	107.9
12.5°	129.2	131.9	134.4	136.6	138.6	140.3	141.8	143.0	143.8	144.4	145.3
15°	158.0	160.8	163.5	165.9	168.0	169.9	171.5	172.8	173.8	174.5	175.6
17.5°	182.2	185.4	188.3	190.9	193.0	194.8	196.3	197.4	198.1	198.4	199.1
20°	205.2	208.2	209.7	210.7	211.0	210.9	210.3	209.2	207.8	206.1	204.3
22.5°	223.8	225.6	227.3	228.7	229.3	229.3	228.6	227.2	225.3	222.9	220.6
25°	248.6	251.4	253.2	254.5	255.0	254.7	253.7	251.9	249.4	246.3	242.6
27.5°	278.1	281.1	283.1	285.1	287.3	288.7	289.2	288.8	287.6	285.5	282.5
30°	311.6	316.7	321.0	324.6	330.8	336.3	341.0	344.6	347.2	348.5	348.5
32.5°	349.8	359.3	368.4	377.1	386.4	395.5	403.4	409.9	414.9	418.3	420.0
35°	393.8	407.6	421.7	434.8	448.0	463.9	478.1	490.5	500.9	508.9	514.6
37.5°	443.4	461.6	484.1	505.6	525.9	547.2	566.8	584.1	598.7	610.6	619.4
40°	501.9	527.4	556.3	584.9	611.9	640.8	671.3	698.7	722.7	742.8	758.6
42.5°	569.9	600.7	636.0	678.2	718.6	757.3	795.3	829.3	858.7	883.3	902.8
45°	643.8	689.8	733.4	784.3	834.3	885.9	932.2	977.7	1015.7	1046.1	1068.9
47.5°	733.4	788.6	843.4	904.1	975.2	1039.2	1098.8	1153.1	1198.9	1235.9	1263.9
50°	828.8	895.7	976.4	1055.7	1138.8	1214.3	1286.3	1360.3	1424.3	1477.5	1519.0
52.5°	934.7	1023.1	1116.3	1210.5	1316.0	1420.7	1512.5	1587.5	1657.8	1721.5	1776.1
55°	1046.5	1147.7	1257.4	1381.9	1501.6	1604.5	1697.5	1781.7	1857.9	1926.2	1985.2
57.5°	1152.7	1275.2	1409.0	1539.1	1665.4	1760.8	1855.5	1941.7	2016.8	2086.8	2149.9
60°	1262.0	1402.5	1550.3	1681.1	1796.4	1893.6	1977.1	2060.0	2136.9	2206.9	2269.2
62.5°	1366.4	1532.3	1674.7	1802.5	1900.1	1993.4	2077.2	2156.3	2236.1	2308.7	2372.7
65°	1492.5	1640.7	1776.6	1882.3	1983.0	2077.8	2165.4	2248.6	2328.0	2401.5	2465.0
67.5°	1597.7	1737.6	1843.7	1950.3	2054.1	2150.7	2243.9	2332.3	2414.6	2488.8	2551.7
70°	1678.0	1802.8	1912.2	2013.2	2111.9	2214.0	2312.9	2405.5	2493.9	2568.3	2624.5
72.5°	1739.1	1862.6	1971.9	2069.3	2167.3	2266.6	2367.8	2463.6	2559.2	2648.3	2698.9
75°	1788.7	1909.7	2015.1	2115.5	2218.7	2314.9	2406.1	2508.5	2613.3	2707.3	2760.8
77.5°	1830.2	1948.6	2046.0	2153.0	2257.2	2354.7	2447.5	2541.9	2647.3	2738.8	2802.8
80°	1863.6	1970.7	2069.1	2179.1	2285.3	2386.9	2483.9	2581.8	2672.3	2762.9	2826.1
82.5°	1887.8	1990.4	2094.9	2200.7	2302.9	2403.4	2509.9	2615.2	2711.0	2796.3	2840.8
85°	1900.1	2003.3	2110.6	2215.0	2321.6	2425.6	2529.8	2634.7	2739.0	2812.6	2829.7
87.5°	1905.5	2008.6	2115.8	2217.3	2330.7	2438.0	2537.1	2641.8	2748.6	2831.0	2860.8
90°	1895.9	2005.3	2110.7	2208.3	2327.8	2436.4	2525.3	2628.3	2730.6	2836.8	2874.6
92.5°	1905.5	2008.6	2115.8	2217.3	2330.7	2438.0	2537.1	2641.8	2748.6	2831.0	2860.8
95°	1900.1	2003.3	2110.6	2215.0	2321.6	2425.6	2529.8	2634.7	2739.0	2812.6	2829.7
97.5°	1887.8	1990.4	2094.9	2200.7	2302.9	2403.4	2509.9	2615.2	2711.0	2796.3	2840.8
100°	1863.6	1970.7	2069.1	2179.1	2285.3	2386.9	2483.9	2581.8	2672.3	2762.9	2826.1
102.5°	1830.2	1948.6	2046.0	2153.0	2257.2	2354.7	2447.5	2541.9	2647.3	2738.8	2802.8
105°	1788.7	1909.7	2015.1	2115.5	2218.7	2314.9	2406.1	2508.5	2613.3	2707.3	2760.8
107.5°	1739.1	1862.6	1971.9	2069.3	2167.3	2266.6	2367.8	2463.6	2559.2	2648.3	2698.9
110°	1678.0	1802.8	1912.2	2013.2	2111.9	2214.0	2312.9	2405.5	2493.9	2568.3	2624.5



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1597.7	1737.6	1843.7	1950.3	2054.1	2150.7	2243.9	2332.3	2414.6	2488.8	2551.7
115°	1492.5	1640.7	1776.6	1882.3	1983.0	2077.8	2165.4	2248.6	2328.0	2401.5	2465.0
117.5°	1366.4	1532.3	1674.7	1802.5	1900.1	1993.4	2077.2	2156.3	2236.1	2308.7	2372.7
120°	1262.0	1402.5	1550.3	1681.1	1796.4	1893.6	1977.1	2060.0	2136.9	2206.9	2269.2
122.5°	1152.7	1275.2	1409.0	1539.1	1665.4	1760.8	1855.5	1941.7	2016.8	2086.8	2149.9
125°	1046.5	1147.7	1257.4	1381.9	1501.6	1604.5	1697.5	1781.7	1857.9	1926.2	1985.2
127.5°	934.7	1023.1	1116.3	1210.5	1316.0	1420.7	1512.5	1587.5	1657.8	1721.5	1776.1
130°	828.8	895.7	976.4	1055.7	1138.8	1214.3	1286.3	1360.3	1424.3	1477.5	1519.0
132.5°	733.4	788.6	843.4	904.1	975.2	1039.2	1098.8	1153.1	1198.9	1235.9	1263.9
135°	643.8	689.8	733.4	784.3	834.3	885.9	932.2	977.7	1015.7	1046.1	1068.9
137.5°	569.9	600.7	636.0	678.2	718.6	757.3	795.3	829.3	858.7	883.3	902.8
140°	501.9	527.4	556.3	584.9	611.9	640.8	671.3	698.7	722.7	742.8	758.6
142.5°	443.4	461.6	484.1	505.6	525.9	547.2	566.8	584.1	598.7	610.6	619.4
145°	393.8	407.6	421.7	434.8	448.0	463.9	478.1	490.5	500.9	508.9	514.6
147.5°	349.8	359.3	368.4	377.1	386.4	395.5	403.4	409.9	414.9	418.3	420.0
150°	311.6	316.7	321.0	324.6	330.8	336.3	341.0	344.6	347.2	348.5	348.5
152.5°	278.1	281.1	283.1	285.1	287.3	288.7	289.2	288.8	287.6	285.5	282.5
155°	248.6	251.4	253.2	254.5	255.0	254.7	253.7	251.9	249.4	246.3	242.6
157.5°	223.8	225.6	227.3	228.7	229.3	229.3	228.6	227.2	225.3	222.9	220.6
160°	205.2	208.2	209.7	210.7	211.0	210.9	210.3	209.2	207.8	206.1	204.3
162.5°	182.2	185.4	188.3	190.9	193.0	194.8	196.3	197.4	198.1	198.4	199.1
165°	158.0	160.8	163.5	165.9	168.0	169.9	171.5	172.8	173.8	174.5	175.6
167.5°	129.2	131.9	134.4	136.6	138.6	140.3	141.8	143.0	143.8	144.4	145.3
170°	102.4	103.8	104.9	105.9	106.7	107.4	107.8	108.0	108.1	108.8	107.9
172.5°	75.6	76.9	78.1	79.0	79.9	80.5	81.0	81.3	81.5	82.3	81.6
175°	47.2	47.8	48.2	48.5	48.8	48.9	49.0	48.9	49.5	48.9	48.4
177.5°	23.3	23.5	23.6	23.7	23.8	23.8	24.5	24.2	23.9	23.6	23.4
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	2.4	2.4
2.5°	23.1	22.8
5°	47.8	47.2
7.5°	80.9	80.2
10°	107.1	106.2
12.5°	144.7	144.0
15°	175.1	174.6
17.5°	198.3	197.5
20°	202.1	199.8
22.5°	216.9	213.2
25°	238.5	233.6
27.5°	279.1	273.8
30°	347.8	343.8
32.5°	420.8	417.7
35°	519.0	517.6
37.5°	626.7	627.0
40°	772.3	775.7
42.5°	919.8	925.2
45°	1087.8	1091.9
47.5°	1287.3	1291.8
50°	1554.8	1563.2
52.5°	1827.1	1848.7
55°	2040.0	2069.0
57.5°	2210.3	2248.4
60°	2327.9	2368.7
62.5°	2427.9	2474.2
65°	2518.6	2563.1
67.5°	2603.7	2645.7
70°	2667.7	2700.7
72.5°	2729.6	2746.4
75°	2779.9	2788.0
77.5°	2814.9	2819.5
80°	2843.5	2836.8
82.5°	2866.8	2863.6
85°	2874.6	2910.0
87.5°	2854.9	2902.9
90°	2861.2	2858.9
92.5°	2854.9	2902.9
95°	2874.6	2910.0
97.5°	2866.8	2863.6
100°	2843.5	2836.8
102.5°	2814.9	2819.5
105°	2779.9	2788.0
107.5°	2729.6	2746.4
110°	2667.7	2700.7





TEST NUMBER: P232007

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

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2603.7	2645.7
115°	2518.6	2563.1
117.5°	2427.9	2474.2
120°	2327.9	2368.7
122.5°	2210.3	2248.4
125°	2040.0	2069.0
127.5°	1827.1	1848.7
130°	1554.8	1563.2
132.5°	1287.3	1291.8
135°	1087.8	1091.9
137.5°	919.8	925.2
140°	772.3	775.7
142.5°	626.7	627.0
145°	519.0	517.6
147.5°	420.8	417.7
150°	347.8	343.8
152.5°	279.1	273.8
155°	238.5	233.6
157.5°	216.9	213.2
160°	202.1	199.8
162.5°	198.3	197.5
165°	175.1	174.6
167.5°	144.7	144.0
170°	107.1	106.2
172.5°	80.9	80.2
175°	47.8	47.2
177.5°	23.1	22.8
180°	2.0	2.0

(END OF REPORT)