

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: P232004

Luminaire Tested: **FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232004  
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-LD4-30-2LO-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
4FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

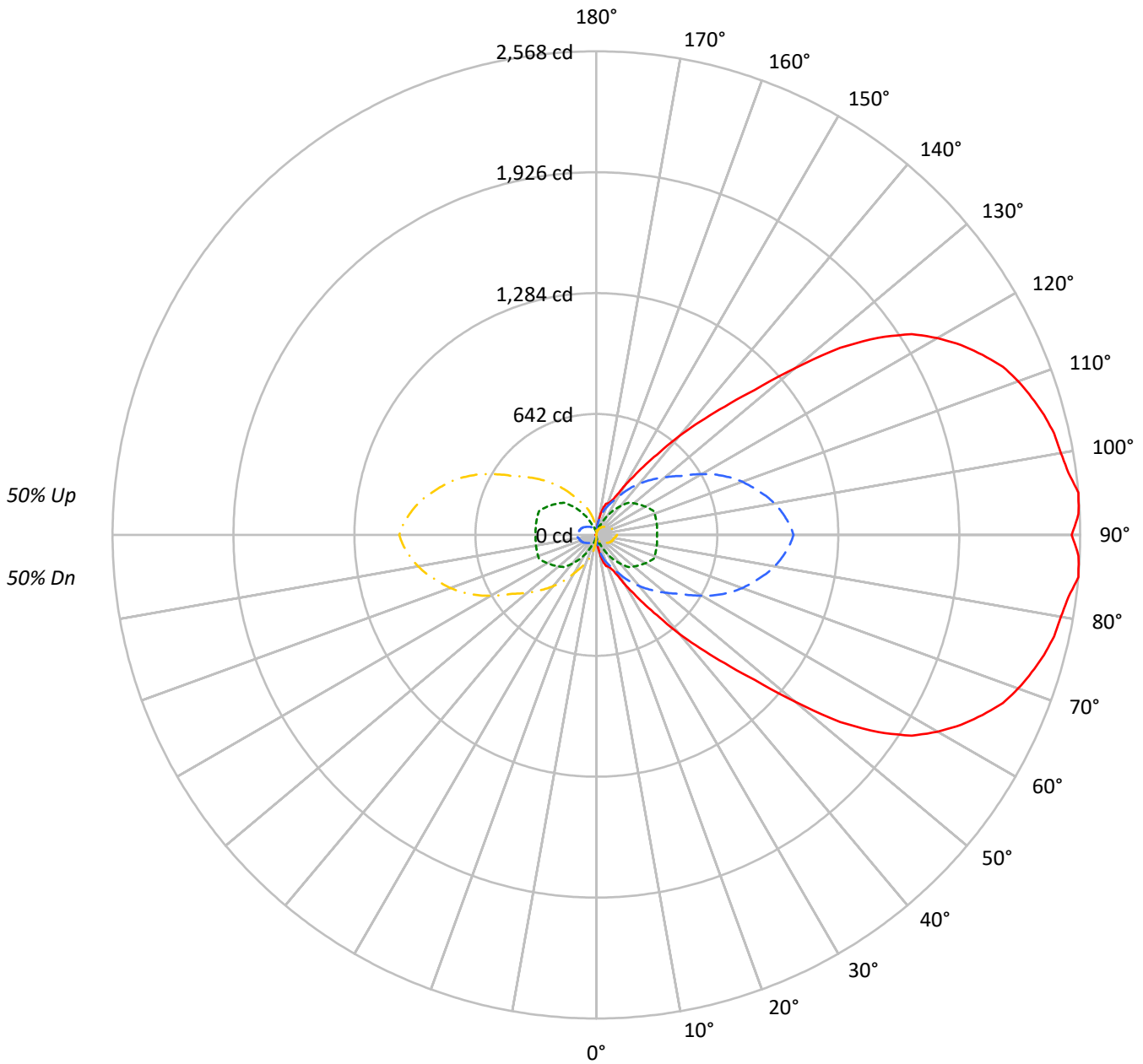
Lumens per Lamp: N/A  
Luminaire Lumens: 5845.4 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Spacing Criteria (0/90/45): 21.23 / 13.37 / 14.41  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 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				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	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°	32	32	32	32
5°	553	211	19	211
10°	1113	391	17	391
15°	1670	578	15	578
20°	1768	776	14	776
25°	1938	1224	13	1224
30°	2703	1958	12	1958
35°	3896	2770	12	2770
40°	5641	3692	12	3692
45°	7737	4765	17	4765
50°	10880	5591	17	5591
55°	14258	6622	16	6622
60°	16285	7955	16	7955
65°	17715	9739	22	9739
70°	18910	11871	22	11871
75°	19934	14638	23	14638
80°	20883	19340	0	19340
85°	22249	28964	0	28964



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.7	0.0
10°-20°	19.3	0.3
20°-30°	51.1	0.9
30°-40°	117.6	2.0
40°-50°	231.7	4.0
50°-60°	411.0	7.0
60°-70°	593.0	10.1
70°-80°	717.2	12.3
80°-90°	779.0	13.3
90°-100°	779.0	13.3
100°-110°	717.2	12.3
110°-120°	593.0	10.1
120°-130°	411.0	7.0
130°-140°	231.7	4.0
140°-150°	117.6	2.0
150°-160°	51.1	0.9
160°-170°	19.3	0.3
170°-180°	2.7	0.0
0°-30°	73.1	1.3
0°-40°	190.7	3.3
0°-60°	833.5	14.3
0°-90°	2922.7	50.0
90°-120°	2089.2	35.7
90°-150°	2849.6	48.7
90°-180°	2923.0	50.0
0°-180°	5845.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	42	14	1	14	42	6
15°	154	38	1	38	154	43
25°	206	76	1	76	206	103
35°	457	158	1	158	457	299
45°	964	241	2	241	964	772
55°	1826	280	2	280	1826	1616
65°	2262	320	3	320	2262	2239
75°	2460	327	3	327	2460	2596
85°	2568	324	0	324	2568	2077
90°	2523	322	0	322	2523	1394
95°	2568	324	0	324	2568	2077
105°	2460	327	3	327	2460	2596
115°	2262	320	3	320	2262	2239
125°	1826	280	2	280	1826	1616
135°	964	241	2	241	964	772
145°	457	158	1	158	457	299
155°	206	76	1	76	206	103
165°	154	38	1	38	154	43
175°	42	14	1	14	42	6
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	20.1	20.3	20.6	20.8	21.1	21.3	21.6	21.0	20.9	20.9	20.8
5°	41.7	42.2	42.7	43.2	43.7	43.2	43.3	43.2	43.1	42.9	42.6
7.5°	70.8	71.4	72.0	72.6	71.9	71.8	71.5	71.1	70.5	69.8	68.9
10°	93.7	94.5	95.2	96.0	95.3	95.3	95.1	94.7	94.2	93.5	92.6
12.5°	127.0	127.6	128.2	127.3	126.9	126.1	125.1	123.8	122.3	120.5	118.5
15°	154.1	154.5	155.0	154.0	153.4	152.5	151.3	149.9	148.3	146.4	144.2
17.5°	174.2	174.9	175.6	175.0	174.7	174.1	173.2	171.9	170.3	168.4	166.2
20°	176.3	178.3	180.3	181.9	183.4	184.6	185.5	186.1	186.2	185.9	185.0
22.5°	188.1	191.4	194.6	196.6	198.8	200.5	201.7	202.3	202.4	201.8	200.6
25°	206.2	210.6	214.1	217.4	220.1	222.3	223.9	224.8	225.0	224.6	223.4
27.5°	241.6	246.3	249.3	252.0	253.8	254.9	255.2	254.8	253.6	251.7	249.9
30°	303.4	307.0	307.6	307.6	306.4	304.1	300.9	296.8	291.9	286.4	283.3
32.5°	368.6	371.4	370.6	369.1	366.1	361.7	356.0	349.0	341.0	332.8	325.1
35°	456.8	458.0	454.1	449.2	442.0	432.9	421.9	409.4	395.3	383.7	372.1
37.5°	553.3	553.1	546.6	538.8	528.4	515.4	500.2	482.9	464.1	446.2	427.2
40°	684.5	681.5	669.4	655.4	637.7	616.6	592.4	565.5	540.0	516.2	490.9
42.5°	816.4	811.7	796.7	779.5	757.8	731.8	701.8	668.3	634.1	598.5	561.3
45°	963.6	960.0	943.3	923.2	896.3	862.8	822.6	781.8	736.3	692.2	647.2
47.5°	1139.9	1136.0	1115.3	1090.6	1057.9	1017.5	969.6	917.0	860.6	797.9	744.3
50°	1379.4	1372.0	1340.4	1303.8	1256.9	1200.4	1135.1	1071.5	1004.9	931.5	861.6
52.5°	1631.4	1612.3	1567.3	1519.1	1463.0	1400.9	1334.7	1253.7	1161.3	1068.2	985.0
55°	1825.8	1800.2	1751.8	1699.8	1639.5	1572.2	1497.9	1415.9	1325.1	1219.5	1109.6
57.5°	1984.1	1950.5	1897.2	1841.5	1779.7	1713.4	1637.3	1553.8	1469.6	1358.2	1243.4
60°	2090.3	2054.3	2002.5	1947.5	1885.8	1817.9	1744.7	1670.9	1585.2	1483.5	1368.1
62.5°	2183.3	2142.5	2093.8	2037.3	1973.3	1902.9	1833.1	1759.1	1676.7	1590.6	1477.8
65°	2261.8	2222.6	2175.2	2119.2	2054.3	1984.3	1910.9	1833.6	1749.9	1661.0	1567.8
67.5°	2334.7	2297.7	2251.8	2196.2	2130.8	2058.2	1980.2	1897.9	1812.7	1721.1	1627.0
70°	2383.3	2354.2	2316.0	2266.4	2200.8	2122.7	2041.0	1953.8	1863.6	1776.5	1687.5
72.5°	2423.5	2408.8	2381.7	2337.1	2258.4	2174.0	2089.5	2000.2	1912.6	1826.1	1740.2
75°	2460.3	2453.2	2436.3	2389.1	2306.1	2213.7	2123.3	2042.8	1958.0	1866.9	1778.3
77.5°	2488.1	2484.1	2473.3	2416.8	2336.1	2243.1	2159.8	2077.9	1991.9	1899.9	1805.5
80°	2503.4	2509.2	2493.9	2438.1	2358.1	2278.3	2191.9	2106.4	2016.7	1922.9	1825.9
82.5°	2527.0	2529.8	2506.8	2467.5	2392.3	2307.8	2214.8	2120.9	2032.2	1942.0	1848.6
85°	2567.9	2536.7	2497.0	2482.0	2417.0	2324.9	2232.4	2140.5	2048.7	1954.6	1862.5
87.5°	2561.7	2519.4	2524.5	2498.3	2425.5	2331.3	2238.8	2151.4	2056.8	1956.7	1867.1
90°	2522.8	2524.9	2536.7	2503.4	2409.6	2319.4	2228.4	2150.0	2054.2	1948.7	1862.6
92.5°	2561.7	2519.4	2524.5	2498.3	2425.5	2331.3	2238.8	2151.4	2056.8	1956.7	1867.1
95°	2567.9	2536.7	2497.0	2482.0	2417.0	2324.9	2232.4	2140.5	2048.7	1954.6	1862.5
97.5°	2527.0	2529.8	2506.8	2467.5	2392.3	2307.8	2214.8	2120.9	2032.2	1942.0	1848.6
100°	2503.4	2509.2	2493.9	2438.1	2358.1	2278.3	2191.9	2106.4	2016.7	1922.9	1825.9
102.5°	2488.1	2484.1	2473.3	2416.8	2336.1	2243.1	2159.8	2077.9	1991.9	1899.9	1805.5
105°	2460.3	2453.2	2436.3	2389.1	2306.1	2213.7	2123.3	2042.8	1958.0	1866.9	1778.3
107.5°	2423.5	2408.8	2381.7	2337.1	2258.4	2174.0	2089.5	2000.2	1912.6	1826.1	1740.2
110°	2383.3	2354.2	2316.0	2266.4	2200.8	2122.7	2041.0	1953.8	1863.6	1776.5	1687.5



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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°	2334.7	2297.7	2251.8	2196.2	2130.8	2058.2	1980.2	1897.9	1812.7	1721.1	1627.0
115°	2261.8	2222.6	2175.2	2119.2	2054.3	1984.3	1910.9	1833.6	1749.9	1661.0	1567.8
117.5°	2183.3	2142.5	2093.8	2037.3	1973.3	1902.9	1833.1	1759.1	1676.7	1590.6	1477.8
120°	2090.3	2054.3	2002.5	1947.5	1885.8	1817.9	1744.7	1670.9	1585.2	1483.5	1368.1
122.5°	1984.1	1950.5	1897.2	1841.5	1779.7	1713.4	1637.3	1553.8	1469.6	1358.2	1243.4
125°	1825.8	1800.2	1751.8	1699.8	1639.5	1572.2	1497.9	1415.9	1325.1	1219.5	1109.6
127.5°	1631.4	1612.3	1567.3	1519.1	1463.0	1400.9	1334.7	1253.7	1161.3	1068.2	985.0
130°	1379.4	1372.0	1340.4	1303.8	1256.9	1200.4	1135.1	1071.5	1004.9	931.5	861.6
132.5°	1139.9	1136.0	1115.3	1090.6	1057.9	1017.5	969.6	917.0	860.6	797.9	744.3
135°	963.6	960.0	943.3	923.2	896.3	862.8	822.6	781.8	736.3	692.2	647.2
137.5°	816.4	811.7	796.7	779.5	757.8	731.8	701.8	668.3	634.1	598.5	561.3
140°	684.5	681.5	669.4	655.4	637.7	616.6	592.4	565.5	540.0	516.2	490.9
142.5°	553.3	553.1	546.6	538.8	528.4	515.4	500.2	482.9	464.1	446.2	427.2
145°	456.8	458.0	454.1	449.2	442.0	432.9	421.9	409.4	395.3	383.7	372.1
147.5°	368.6	371.4	370.6	369.1	366.1	361.7	356.0	349.0	341.0	332.8	325.1
150°	303.4	307.0	307.6	307.6	306.4	304.1	300.9	296.8	291.9	286.4	283.3
152.5°	241.6	246.3	249.3	252.0	253.8	254.9	255.2	254.8	253.6	251.7	249.9
155°	206.2	210.6	214.1	217.4	220.1	222.3	223.9	224.8	225.0	224.6	223.4
157.5°	188.1	191.4	194.6	196.6	198.8	200.5	201.7	202.3	202.4	201.8	200.6
160°	176.3	178.3	180.3	181.9	183.4	184.6	185.5	186.1	186.2	185.9	185.0
162.5°	174.2	174.9	175.6	175.0	174.7	174.1	173.2	171.9	170.3	168.4	166.2
165°	154.1	154.5	155.0	154.0	153.4	152.5	151.3	149.9	148.3	146.4	144.2
167.5°	127.0	127.6	128.2	127.3	126.9	126.1	125.1	123.8	122.3	120.5	118.5
170°	93.7	94.5	95.2	96.0	95.3	95.3	95.1	94.7	94.2	93.5	92.6
172.5°	70.8	71.4	72.0	72.6	71.9	71.8	71.5	71.1	70.5	69.8	68.9
175°	41.7	42.2	42.7	43.2	43.7	43.2	43.3	43.2	43.1	42.9	42.6
177.5°	20.1	20.3	20.6	20.8	21.1	21.3	21.6	21.0	20.9	20.9	20.8
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	20.7	20.5	20.3	20.1	19.8	19.6	19.2	18.9	18.5	18.1	17.6
5°	42.2	41.7	41.1	40.5	39.8	39.0	38.1	37.1	36.1	35.0	33.8
7.5°	67.9	66.8	65.5	64.1	62.6	60.9	59.2	57.3	55.3	53.5	51.7
10°	91.6	90.4	89.0	87.5	85.9	84.1	81.9	79.4	76.8	74.0	71.1
12.5°	116.3	114.0	111.4	108.6	106.0	103.7	101.3	98.7	95.9	93.0	89.9
15°	141.9	139.4	136.6	133.3	129.7	125.9	122.0	117.9	113.7	110.1	106.4
17.5°	163.6	160.8	157.5	153.9	150.2	146.4	142.4	138.0	133.1	128.2	123.2
20°	183.7	181.0	177.4	173.5	169.1	164.4	159.7	154.9	150.0	145.0	139.6
22.5°	199.0	197.5	195.2	192.2	188.3	183.3	177.6	171.5	165.1	159.4	153.8
25°	221.8	219.4	216.0	211.8	207.3	202.3	196.4	189.5	182.2	174.5	167.3
27.5°	248.1	245.4	241.8	237.4	231.9	225.3	218.8	209.9	201.0	191.3	182.3
30°	279.5	275.0	270.5	265.1	259.3	252.4	244.0	234.3	225.4	217.7	209.6
32.5°	317.0	308.7	302.0	295.5	288.3	280.7	273.2	265.3	256.4	247.1	238.3
35°	359.7	347.5	337.6	327.7	319.3	312.0	304.1	295.5	286.3	276.4	266.1
37.5°	407.3	391.3	376.0	364.4	353.7	343.6	334.4	325.2	315.3	304.7	293.7
40°	465.5	442.9	422.2	405.5	390.7	377.2	365.6	354.2	343.7	332.5	320.4
42.5°	530.1	503.0	476.2	452.9	431.3	413.5	397.5	384.3	371.2	359.6	347.1
45°	608.7	568.2	535.0	503.8	476.4	450.8	431.7	414.4	399.9	385.6	372.9
47.5°	695.9	647.2	601.5	558.0	524.2	493.2	466.3	445.8	428.3	412.4	397.6
50°	790.4	731.4	675.2	623.5	574.6	536.9	504.2	476.4	456.6	439.1	422.0
52.5°	902.8	824.9	753.0	691.8	634.6	581.8	542.8	510.4	483.9	464.9	457.6
55°	1012.7	923.4	839.8	761.4	696.1	635.4	580.8	545.0	524.1	511.4	508.2
57.5°	1125.3	1017.2	924.6	837.6	757.6	690.1	636.3	596.1	570.1	555.0	552.2
60°	1237.6	1113.6	1002.0	908.7	826.5	755.0	694.7	644.9	615.7	598.2	592.3
62.5°	1352.2	1205.8	1084.6	984.0	896.1	814.9	750.1	696.9	658.2	636.7	629.2
65°	1447.9	1317.0	1178.0	1059.8	961.7	875.0	800.3	741.9	698.6	675.3	666.9
67.5°	1533.4	1409.9	1273.8	1141.4	1021.9	927.3	847.5	785.7	740.0	711.8	701.1
70°	1590.9	1480.7	1358.3	1216.4	1086.5	979.1	892.6	824.5	775.7	744.8	732.2
72.5°	1643.7	1534.7	1410.6	1280.0	1149.4	1024.8	930.6	859.7	807.0	776.8	763.2
75°	1685.3	1578.5	1456.4	1327.6	1204.6	1067.9	968.2	894.2	841.6	807.9	790.3
77.5°	1719.6	1615.1	1491.0	1365.5	1243.7	1114.9	1007.6	929.9	874.0	837.2	816.8
80°	1739.1	1644.6	1530.0	1401.4	1275.0	1151.0	1040.2	960.9	903.5	864.8	842.8
82.5°	1756.5	1665.9	1561.2	1429.9	1299.3	1176.9	1066.4	987.6	930.4	890.9	868.3
85°	1767.9	1676.8	1584.0	1450.5	1316.5	1193.8	1087.0	1010.4	955.0	915.8	893.4
87.5°	1772.5	1681.6	1602.7	1467.2	1330.0	1205.7	1104.4	1031.2	978.3	939.9	918.2
90°	1769.6	1673.1	1603.0	1466.9	1329.4	1205.9	1114.2	1046.9	998.3	962.2	942.1
92.5°	1772.5	1681.6	1602.7	1467.2	1330.0	1205.7	1104.4	1031.2	978.3	939.9	918.2
95°	1767.9	1676.8	1584.0	1450.5	1316.5	1193.8	1087.0	1010.4	955.0	915.8	893.4
97.5°	1756.5	1665.9	1561.2	1429.9	1299.3	1176.9	1066.4	987.6	930.4	890.9	868.3
100°	1739.1	1644.6	1530.0	1401.4	1275.0	1151.0	1040.2	960.9	903.5	864.8	842.8
102.5°	1719.6	1615.1	1491.0	1365.5	1243.7	1114.9	1007.6	929.9	874.0	837.2	816.8
105°	1685.3	1578.5	1456.4	1327.6	1204.6	1067.9	968.2	894.2	841.6	807.9	790.3
107.5°	1643.7	1534.7	1410.6	1280.0	1149.4	1024.8	930.6	859.7	807.0	776.8	763.2
110°	1590.9	1480.7	1358.3	1216.4	1086.5	979.1	892.6	824.5	775.7	744.8	732.2





TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	1533.4	1409.9	1273.8	1141.4	1021.9	927.3	847.5	785.7	740.0	711.8	701.1
115°	1447.9	1317.0	1178.0	1059.8	961.7	875.0	800.3	741.9	698.6	675.3	666.9
117.5°	1352.2	1205.8	1084.6	984.0	896.1	814.9	750.1	696.9	658.2	636.7	629.2
120°	1237.6	1113.6	1002.0	908.7	826.5	755.0	694.7	644.9	615.7	598.2	592.3
122.5°	1125.3	1017.2	924.6	837.6	757.6	690.1	636.3	596.1	570.1	555.0	552.2
125°	1012.7	923.4	839.8	761.4	696.1	635.4	580.8	545.0	524.1	511.4	508.2
127.5°	902.8	824.9	753.0	691.8	634.6	581.8	542.8	510.4	483.9	464.9	457.6
130°	790.4	731.4	675.2	623.5	574.6	536.9	504.2	476.4	456.6	439.1	422.0
132.5°	695.9	647.2	601.5	558.0	524.2	493.2	466.3	445.8	428.3	412.4	397.6
135°	608.7	568.2	535.0	503.8	476.4	450.8	431.7	414.4	399.9	385.6	372.9
137.5°	530.1	503.0	476.2	452.9	431.3	413.5	397.5	384.3	371.2	359.6	347.1
140°	465.5	442.9	422.2	405.5	390.7	377.2	365.6	354.2	343.7	332.5	320.4
142.5°	407.3	391.3	376.0	364.4	353.7	343.6	334.4	325.2	315.3	304.7	293.7
145°	359.7	347.5	337.6	327.7	319.3	312.0	304.1	295.5	286.3	276.4	266.1
147.5°	317.0	308.7	302.0	295.5	288.3	280.7	273.2	265.3	256.4	247.1	238.3
150°	279.5	275.0	270.5	265.1	259.3	252.4	244.0	234.3	225.4	217.7	209.6
152.5°	248.1	245.4	241.8	237.4	231.9	225.3	218.8	209.9	201.0	191.3	182.3
155°	221.8	219.4	216.0	211.8	207.3	202.3	196.4	189.5	182.2	174.5	167.3
157.5°	199.0	197.5	195.2	192.2	188.3	183.3	177.6	171.5	165.1	159.4	153.8
160°	183.7	181.0	177.4	173.5	169.1	164.4	159.7	154.9	150.0	145.0	139.6
162.5°	163.6	160.8	157.5	153.9	150.2	146.4	142.4	138.0	133.1	128.2	123.2
165°	141.9	139.4	136.6	133.3	129.7	125.9	122.0	117.9	113.7	110.1	106.4
167.5°	116.3	114.0	111.4	108.6	106.0	103.7	101.3	98.7	95.9	93.0	89.9
170°	91.6	90.4	89.0	87.5	85.9	84.1	81.9	79.4	76.8	74.0	71.1
172.5°	67.9	66.8	65.5	64.1	62.6	60.9	59.2	57.3	55.3	53.5	51.7
175°	42.2	41.7	41.1	40.5	39.8	39.0	38.1	37.1	36.1	35.0	33.8
177.5°	20.7	20.5	20.3	20.1	19.8	19.6	19.2	18.9	18.5	18.1	17.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	17.1	16.6	16.1	15.6	15.0	14.4	13.7	13.1	12.4	11.7	11.0
5°	32.5	31.2	29.9	28.7	27.6	26.4	25.2	23.9	22.6	21.2	19.8
7.5°	49.9	47.9	45.8	43.6	41.3	39.0	36.5	34.5	32.6	30.6	28.5
10°	68.1	65.0	62.0	58.9	55.9	52.7	49.4	46.0	42.6	39.8	37.1
12.5°	86.3	82.6	78.7	74.7	70.6	66.6	62.4	58.2	53.8	49.3	45.6
15°	102.6	98.6	95.0	89.8	85.2	80.4	75.5	70.4	65.1	59.7	54.1
17.5°	118.7	113.5	108.7	103.8	98.7	93.3	88.0	82.5	76.4	70.0	63.5
20°	134.0	128.3	122.7	117.1	111.3	105.4	99.6	93.7	87.7	80.5	73.0
22.5°	148.1	142.1	136.0	130.0	123.6	117.1	110.4	104.1	97.8	90.9	82.5
25°	160.4	154.1	147.9	141.6	137.9	133.5	128.6	123.5	118.5	113.1	105.5
27.5°	176.3	172.3	169.2	165.9	162.5	158.8	154.0	148.8	143.4	137.5	130.4
30°	203.2	197.2	192.5	189.3	186.0	182.5	178.6	173.5	168.5	161.8	155.3
32.5°	229.6	222.4	216.2	211.6	208.4	205.2	201.8	197.4	192.2	185.9	178.9
35°	256.5	247.2	239.9	233.7	229.9	226.9	223.9	221.0	215.6	209.9	202.5
37.5°	282.5	272.4	262.7	256.1	250.8	247.8	245.1	242.5	238.5	233.6	225.9
40°	308.4	296.5	286.4	277.3	271.6	267.8	265.6	263.5	260.7	256.3	249.3
42.5°	333.6	320.9	308.9	299.1	292.0	287.0	285.4	283.8	282.3	278.6	272.5
45°	358.9	344.3	331.5	320.5	311.1	306.7	304.4	303.5	302.8	300.4	295.6
47.5°	383.9	368.1	353.6	341.4	331.3	328.2	328.7	329.0	327.4	323.2	316.2
50°	407.2	394.1	390.9	388.7	384.5	377.9	370.6	364.3	356.8	347.8	336.8
52.5°	453.4	453.4	455.1	454.0	446.4	432.8	417.6	402.8	388.5	374.0	358.2
55°	505.3	507.7	513.7	520.5	511.3	492.2	468.7	444.3	422.3	401.6	380.7
57.5°	553.6	557.8	567.0	582.6	576.5	554.8	523.3	488.6	458.4	430.8	404.0
60°	597.7	604.7	617.7	637.9	642.7	620.2	581.3	535.7	496.9	461.4	428.3
62.5°	637.8	649.4	665.5	689.2	709.6	688.1	641.7	586.6	537.3	493.2	453.2
65°	674.2	691.0	710.4	737.1	776.6	754.4	703.6	639.6	579.2	526.1	478.7
67.5°	707.3	729.7	753.0	783.6	829.6	819.4	766.9	694.3	622.3	559.8	504.8
70°	738.7	765.9	794.8	827.5	867.9	860.5	801.8	721.4	640.5	572.0	512.4
72.5°	766.2	786.5	813.2	839.3	866.6	862.0	806.6	729.7	648.1	578.3	517.2
75°	788.3	802.7	828.8	853.9	870.3	863.6	809.3	736.3	654.6	584.1	521.6
77.5°	811.0	820.4	844.4	871.0	878.1	865.1	810.2	741.4	660.1	589.2	525.7
80°	834.2	839.5	860.2	889.9	889.1	866.5	809.4	745.0	664.7	593.7	529.5
82.5°	857.8	859.7	876.3	910.2	902.4	867.3	807.1	747.2	668.4	597.6	534.9
85°	881.6	880.8	893.0	931.5	917.0	869.8	805.1	750.2	672.8	602.1	536.6
87.5°	905.7	902.5	909.9	953.4	932.6	867.4	799.0	748.2	673.5	603.7	538.4
90°	929.6	924.7	928.9	974.7	946.2	865.0	792.8	746.3	674.1	605.4	540.1
92.5°	905.7	902.5	909.9	953.4	932.6	867.4	799.0	748.2	673.5	603.7	538.4
95°	881.6	880.8	893.0	931.5	917.0	869.8	805.1	750.2	672.8	602.1	536.6
97.5°	857.8	859.7	876.3	910.2	902.4	867.3	807.1	747.2	668.4	597.6	534.9
100°	834.2	839.5	860.2	889.9	889.1	866.5	809.4	745.0	664.7	593.7	529.5
102.5°	811.0	820.4	844.4	871.0	878.1	865.1	810.2	741.4	660.1	589.2	525.7
105°	788.3	802.7	828.8	853.9	870.3	863.6	809.3	736.3	654.6	584.1	521.6
107.5°	766.2	786.5	813.2	839.3	866.6	862.0	806.6	729.7	648.1	578.3	517.2
110°	738.7	765.9	794.8	827.5	867.9	860.5	801.8	721.4	640.5	572.0	512.4



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	707.3	729.7	753.0	783.6	829.6	819.4	766.9	694.3	622.3	559.8	504.8
115°	674.2	691.0	710.4	737.1	776.6	754.4	703.6	639.6	579.2	526.1	478.7
117.5°	637.8	649.4	665.5	689.2	709.6	688.1	641.7	586.6	537.3	493.2	453.2
120°	597.7	604.7	617.7	637.9	642.7	620.2	581.3	535.7	496.9	461.4	428.3
122.5°	553.6	557.8	567.0	582.6	576.5	554.8	523.3	488.6	458.4	430.8	404.0
125°	505.3	507.7	513.7	520.5	511.3	492.2	468.7	444.3	422.3	401.6	380.7
127.5°	453.4	453.4	455.1	454.0	446.4	432.8	417.6	402.8	388.5	374.0	358.2
130°	407.2	394.1	390.9	388.7	384.5	377.9	370.6	364.3	356.8	347.8	336.8
132.5°	383.9	368.1	353.6	341.4	331.3	328.2	328.7	329.0	327.4	323.2	316.2
135°	358.9	344.3	331.5	320.5	311.1	306.7	304.4	303.5	302.8	300.4	295.6
137.5°	333.6	320.9	308.9	299.1	292.0	287.0	285.4	283.8	282.3	278.6	272.5
140°	308.4	296.5	286.4	277.3	271.6	267.8	265.6	263.5	260.7	256.3	249.3
142.5°	282.5	272.4	262.7	256.1	250.8	247.8	245.1	242.5	238.5	233.6	225.9
145°	256.5	247.2	239.9	233.7	229.9	226.9	223.9	221.0	215.6	209.9	202.5
147.5°	229.6	222.4	216.2	211.6	208.4	205.2	201.8	197.4	192.2	185.9	178.9
150°	203.2	197.2	192.5	189.3	186.0	182.5	178.6	173.5	168.5	161.8	155.3
152.5°	176.3	172.3	169.2	165.9	162.5	158.8	154.0	148.8	143.4	137.5	130.4
155°	160.4	154.1	147.9	141.6	137.9	133.5	128.6	123.5	118.5	113.1	105.5
157.5°	148.1	142.1	136.0	130.0	123.6	117.1	110.4	104.1	97.8	90.9	82.5
160°	134.0	128.3	122.7	117.1	111.3	105.4	99.6	93.7	87.7	80.5	73.0
162.5°	118.7	113.5	108.7	103.8	98.7	93.3	88.0	82.5	76.4	70.0	63.5
165°	102.6	98.6	95.0	89.8	85.2	80.4	75.5	70.4	65.1	59.7	54.1
167.5°	86.3	82.6	78.7	74.7	70.6	66.6	62.4	58.2	53.8	49.3	45.6
170°	68.1	65.0	62.0	58.9	55.9	52.7	49.4	46.0	42.6	39.8	37.1
172.5°	49.9	47.9	45.8	43.6	41.3	39.0	36.5	34.5	32.6	30.6	28.5
175°	32.5	31.2	29.9	28.7	27.6	26.4	25.2	23.9	22.6	21.2	19.8
177.5°	17.1	16.6	16.1	15.6	15.0	14.4	13.7	13.1	12.4	11.7	11.0
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: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	10.3	9.6	8.8	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.6
5°	18.4	17.0	15.5	14.0	13.9	13.8	13.6	13.5	13.3	13.1	12.9
7.5°	26.4	24.3	22.1	19.9	19.7	19.5	19.2	18.9	18.6	18.3	17.9
10°	34.4	31.6	28.7	25.8	25.5	25.1	24.7	24.2	23.7	23.3	22.9
12.5°	42.2	38.8	35.3	31.8	31.2	30.7	30.1	29.4	28.8	28.4	27.9
15°	50.0	45.9	41.9	37.7	37.0	36.2	35.3	34.5	34.0	33.5	33.0
17.5°	57.6	53.0	48.4	43.6	42.6	41.6	40.5	39.8	39.2	38.7	38.1
20°	65.4	60.1	54.9	49.6	48.3	46.9	45.6	45.1	44.5	43.8	43.3
22.5°	73.8	67.0	61.3	55.5	53.9	52.2	50.9	50.4	49.7	49.2	48.6
25°	97.0	89.1	82.8	76.1	73.5	70.5	68.1	65.9	63.7	61.8	59.7
27.5°	121.1	111.9	104.5	96.7	93.0	89.0	85.7	82.4	79.4	76.6	73.6
30°	145.1	134.8	126.2	117.3	112.4	107.2	102.8	98.2	94.6	90.8	86.6
32.5°	169.1	158.0	148.1	137.9	131.7	125.3	119.4	113.8	109.1	104.2	98.9
35°	192.9	181.2	169.9	158.5	150.9	143.1	135.6	129.0	123.2	116.9	110.5
37.5°	216.6	204.3	191.8	179.1	169.9	160.6	151.4	143.8	137.0	129.1	121.3
40°	240.3	227.3	213.8	199.7	188.9	177.9	166.8	158.2	149.6	140.7	131.2
42.5°	263.6	250.3	235.8	220.3	207.7	194.9	182.3	172.3	162.1	152.1	140.5
45°	286.4	273.1	257.8	240.9	226.5	211.7	197.3	186.0	174.2	162.0	149.2
47.5°	303.5	287.0	268.9	250.8	233.9	217.4	202.3	190.4	178.7	166.6	153.9
50°	320.6	300.8	279.9	260.7	241.0	222.4	206.1	192.8	180.4	167.9	155.1
52.5°	338.3	314.9	290.8	270.5	248.1	227.4	209.7	195.2	182.1	169.6	157.0
55°	356.6	329.4	301.7	280.4	255.0	232.2	213.2	197.6	184.0	171.6	159.7
57.5°	375.5	344.1	312.6	290.3	261.8	237.0	216.6	200.0	186.2	174.0	163.0
60°	394.8	359.1	323.5	300.2	268.6	241.7	219.9	202.6	188.7	177.0	167.3
62.5°	414.5	374.2	334.3	310.0	275.3	246.4	223.1	205.1	191.4	180.5	171.4
65°	434.5	389.5	345.2	319.9	282.0	251.1	226.3	207.8	194.3	184.5	176.5
67.5°	454.8	404.9	356.0	329.8	288.6	255.7	229.4	210.5	197.4	188.9	182.1
70°	459.4	408.1	359.3	328.9	286.8	253.7	227.2	208.6	196.1	188.7	183.1
72.5°	462.4	410.6	362.7	328.1	284.9	251.7	224.8	206.1	193.8	186.7	181.3
75°	465.2	412.8	367.4	327.2	283.2	249.7	222.5	203.8	191.5	184.8	179.6
77.5°	467.7	414.6	370.5	326.4	281.5	247.9	220.3	201.5	189.4	183.0	178.0
80°	469.9	417.6	373.6	325.5	279.8	246.3	218.3	199.4	187.4	181.2	176.5
82.5°	473.2	418.4	376.7	324.7	278.3	244.7	216.4	197.4	185.5	179.5	175.2
85°	474.0	419.2	379.8	323.8	276.8	243.3	214.7	195.6	183.7	177.9	173.9
87.5°	474.7	419.9	382.9	323.0	275.5	242.0	213.1	193.9	182.1	176.4	172.7
90°	475.5	420.7	386.0	322.1	274.2	240.9	211.7	192.3	180.5	174.9	171.5
92.5°	474.7	419.9	382.9	323.0	275.5	242.0	213.1	193.9	182.1	176.4	172.7
95°	474.0	419.2	379.8	323.8	276.8	243.3	214.7	195.6	183.7	177.9	173.9
97.5°	473.2	418.4	376.7	324.7	278.3	244.7	216.4	197.4	185.5	179.5	175.2
100°	469.9	417.6	373.6	325.5	279.8	246.3	218.3	199.4	187.4	181.2	176.5
102.5°	467.7	414.6	370.5	326.4	281.5	247.9	220.3	201.5	189.4	183.0	178.0
105°	465.2	412.8	367.4	327.2	283.2	249.7	222.5	203.8	191.5	184.8	179.6
107.5°	462.4	410.6	362.7	328.1	284.9	251.7	224.8	206.1	193.8	186.7	181.3
110°	459.4	408.1	359.3	328.9	286.8	253.7	227.2	208.6	196.1	188.7	183.1



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	454.8	404.9	356.0	329.8	288.6	255.7	229.4	210.5	197.4	188.9	182.1
115°	434.5	389.5	345.2	319.9	282.0	251.1	226.3	207.8	194.3	184.5	176.5
117.5°	414.5	374.2	334.3	310.0	275.3	246.4	223.1	205.1	191.4	180.5	171.4
120°	394.8	359.1	323.5	300.2	268.6	241.7	219.9	202.6	188.7	177.0	167.3
122.5°	375.5	344.1	312.6	290.3	261.8	237.0	216.6	200.0	186.2	174.0	163.0
125°	356.6	329.4	301.7	280.4	255.0	232.2	213.2	197.6	184.0	171.6	159.7
127.5°	338.3	314.9	290.8	270.5	248.1	227.4	209.7	195.2	182.1	169.6	157.0
130°	320.6	300.8	279.9	260.7	241.0	222.4	206.1	192.8	180.4	167.9	155.1
132.5°	303.5	287.0	268.9	250.8	233.9	217.4	202.3	190.4	178.7	166.6	153.9
135°	286.4	273.1	257.8	240.9	226.5	211.7	197.3	186.0	174.2	162.0	149.2
137.5°	263.6	250.3	235.8	220.3	207.7	194.9	182.3	172.3	162.1	152.1	140.5
140°	240.3	227.3	213.8	199.7	188.9	177.9	166.8	158.2	149.6	140.7	131.2
142.5°	216.6	204.3	191.8	179.1	169.9	160.6	151.4	143.8	137.0	129.1	121.3
145°	192.9	181.2	169.9	158.5	150.9	143.1	135.6	129.0	123.2	116.9	110.5
147.5°	169.1	158.0	148.1	137.9	131.7	125.3	119.4	113.8	109.1	104.2	98.9
150°	145.1	134.8	126.2	117.3	112.4	107.2	102.8	98.2	94.6	90.8	86.6
152.5°	121.1	111.9	104.5	96.7	93.0	89.0	85.7	82.4	79.4	76.6	73.6
155°	97.0	89.1	82.8	76.1	73.5	70.5	68.1	65.9	63.7	61.8	59.7
157.5°	73.8	67.0	61.3	55.5	53.9	52.2	50.9	50.4	49.7	49.2	48.6
160°	65.4	60.1	54.9	49.6	48.3	46.9	45.6	45.1	44.5	43.8	43.3
162.5°	57.6	53.0	48.4	43.6	42.6	41.6	40.5	39.8	39.2	38.7	38.1
165°	50.0	45.9	41.9	37.7	37.0	36.2	35.3	34.5	34.0	33.5	33.0
167.5°	42.2	38.8	35.3	31.8	31.2	30.7	30.1	29.4	28.8	28.4	27.9
170°	34.4	31.6	28.7	25.8	25.5	25.1	24.7	24.2	23.7	23.3	22.9
172.5°	26.4	24.3	22.1	19.9	19.7	19.5	19.2	18.9	18.6	18.3	17.9
175°	18.4	17.0	15.5	14.0	13.9	13.8	13.6	13.5	13.3	13.1	12.9
177.5°	10.3	9.6	8.8	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	7.5	7.4	7.3	7.2	7.0	6.9	6.7	6.6	6.4	6.2	6.1
5°	12.7	12.4	12.2	11.9	11.6	11.3	11.0	10.6	10.3	9.9	9.6
7.5°	17.6	17.2	16.8	16.4	16.0	15.6	15.1	14.6	14.1	13.5	13.1
10°	22.5	22.0	21.5	21.0	20.4	19.9	19.4	18.8	18.3	17.6	17.0
12.5°	27.4	26.8	26.3	25.8	25.2	24.6	24.0	23.3	22.5	21.6	20.8
15°	32.4	31.9	31.3	30.7	30.0	29.2	28.4	27.5	26.5	25.5	24.5
17.5°	37.6	37.0	36.3	35.5	34.6	33.7	32.7	31.6	30.5	29.4	28.2
20°	42.8	42.1	41.2	40.3	39.2	38.1	37.0	35.8	34.5	33.1	31.6
22.5°	48.0	47.0	46.0	44.9	43.8	42.5	41.2	39.7	38.1	36.5	35.0
25°	57.2	54.7	52.1	49.6	48.3	46.8	45.1	43.4	41.8	40.2	38.6
27.5°	70.3	66.9	63.5	60.1	56.6	53.2	50.0	47.4	45.7	43.8	41.8
30°	82.4	78.0	73.7	69.1	64.7	60.5	56.8	53.4	50.3	47.4	44.8
32.5°	93.6	88.1	82.4	76.7	71.3	66.3	61.9	58.0	54.4	51.2	48.2
35°	103.8	97.1	89.9	83.0	76.5	70.8	66.0	61.6	57.7	54.2	51.2
37.5°	113.2	104.7	96.2	88.0	80.5	74.6	69.2	64.5	60.4	57.0	53.9
40°	121.6	111.3	101.3	91.6	84.2	77.6	71.9	67.0	63.1	59.7	56.5
42.5°	128.9	117.0	105.2	95.2	87.1	80.1	74.1	69.7	65.8	62.3	59.0
45°	135.4	121.7	108.1	98.3	89.7	82.0	76.8	72.3	68.6	65.1	61.6
47.5°	140.0	125.2	111.5	100.8	91.8	84.7	79.4	75.2	71.4	67.9	64.0
50°	141.6	127.1	115.1	104.4	94.4	87.6	82.4	78.1	74.5	70.5	66.6
52.5°	143.9	130.4	119.1	108.9	100.3	93.5	87.9	82.9	77.4	73.2	69.4
55°	147.2	134.9	123.8	113.9	106.3	100.3	95.3	90.9	84.4	78.1	72.3
57.5°	151.3	139.8	129.2	119.8	112.5	107.6	103.7	98.2	90.9	83.4	76.7
60°	156.1	145.0	134.9	126.4	119.9	115.5	112.7	105.1	96.3	87.8	80.2
62.5°	161.7	150.6	141.0	133.1	127.7	124.5	120.5	111.5	100.8	91.4	83.0
65°	167.5	156.8	147.5	139.9	135.8	134.0	127.6	116.6	104.7	94.5	85.4
67.5°	173.6	163.4	154.6	147.4	144.2	144.0	134.6	121.0	108.3	97.3	87.5
70°	175.7	167.3	160.1	155.1	153.7	152.6	141.1	125.0	111.5	100.0	89.2
72.5°	174.0	166.6	159.8	155.4	155.0	153.2	142.7	128.1	114.7	102.4	90.6
75°	172.7	166.2	159.7	155.5	155.0	151.3	141.6	129.5	117.0	104.3	92.4
77.5°	171.6	166.1	159.7	155.5	154.6	150.0	142.0	131.9	119.5	106.4	94.5
80°	170.8	166.3	159.8	155.5	154.0	149.2	143.6	135.2	122.3	108.9	96.9
82.5°	170.3	166.7	160.1	155.4	153.2	148.8	146.2	139.2	125.4	111.8	99.6
85°	169.9	167.3	160.5	155.4	152.4	148.8	149.5	143.8	128.9	115.2	102.7
87.5°	169.6	168.0	161.1	155.4	151.5	149.0	153.2	148.8	132.9	119.2	106.3
90°	169.4	168.7	161.8	155.5	150.6	149.3	156.9	154.1	137.5	123.6	110.4
92.5°	169.6	168.0	161.1	155.4	151.5	149.0	153.2	148.8	132.9	119.2	106.3
95°	169.9	167.3	160.5	155.4	152.4	148.8	149.5	143.8	128.9	115.2	102.7
97.5°	170.3	166.7	160.1	155.4	153.2	148.8	146.2	139.2	125.4	111.8	99.6
100°	170.8	166.3	159.8	155.5	154.0	149.2	143.6	135.2	122.3	108.9	96.9
102.5°	171.6	166.1	159.7	155.5	154.6	150.0	142.0	131.9	119.5	106.4	94.5
105°	172.7	166.2	159.7	155.5	155.0	151.3	141.6	129.5	117.0	104.3	92.4
107.5°	174.0	166.6	159.8	155.4	155.0	153.2	142.7	128.1	114.7	102.4	90.6
110°	175.7	167.3	160.1	155.1	153.7	152.6	141.1	125.0	111.5	100.0	89.2



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	173.6	163.4	154.6	147.4	144.2	144.0	134.6	121.0	108.3	97.3	87.5
115°	167.5	156.8	147.5	139.9	135.8	134.0	127.6	116.6	104.7	94.5	85.4
117.5°	161.7	150.6	141.0	133.1	127.7	124.5	120.5	111.5	100.8	91.4	83.0
120°	156.1	145.0	134.9	126.4	119.9	115.5	112.7	105.1	96.3	87.8	80.2
122.5°	151.3	139.8	129.2	119.8	112.5	107.6	103.7	98.2	90.9	83.4	76.7
125°	147.2	134.9	123.8	113.9	106.3	100.3	95.3	90.9	84.4	78.1	72.3
127.5°	143.9	130.4	119.1	108.9	100.3	93.5	87.9	82.9	77.4	73.2	69.4
130°	141.6	127.1	115.1	104.4	94.4	87.6	82.4	78.1	74.5	70.5	66.6
132.5°	140.0	125.2	111.5	100.8	91.8	84.7	79.4	75.2	71.4	67.9	64.0
135°	135.4	121.7	108.1	98.3	89.7	82.0	76.8	72.3	68.6	65.1	61.6
137.5°	128.9	117.0	105.2	95.2	87.1	80.1	74.1	69.7	65.8	62.3	59.0
140°	121.6	111.3	101.3	91.6	84.2	77.6	71.9	67.0	63.1	59.7	56.5
142.5°	113.2	104.7	96.2	88.0	80.5	74.6	69.2	64.5	60.4	57.0	53.9
145°	103.8	97.1	89.9	83.0	76.5	70.8	66.0	61.6	57.7	54.2	51.2
147.5°	93.6	88.1	82.4	76.7	71.3	66.3	61.9	58.0	54.4	51.2	48.2
150°	82.4	78.0	73.7	69.1	64.7	60.5	56.8	53.4	50.3	47.4	44.8
152.5°	70.3	66.9	63.5	60.1	56.6	53.2	50.0	47.4	45.7	43.8	41.8
155°	57.2	54.7	52.1	49.6	48.3	46.8	45.1	43.4	41.8	40.2	38.6
157.5°	48.0	47.0	46.0	44.9	43.8	42.5	41.2	39.7	38.1	36.5	35.0
160°	42.8	42.1	41.2	40.3	39.2	38.1	37.0	35.8	34.5	33.1	31.6
162.5°	37.6	37.0	36.3	35.5	34.6	33.7	32.7	31.6	30.5	29.4	28.2
165°	32.4	31.9	31.3	30.7	30.0	29.2	28.4	27.5	26.5	25.5	24.5
167.5°	27.4	26.8	26.3	25.8	25.2	24.6	24.0	23.3	22.5	21.6	20.8
170°	22.5	22.0	21.5	21.0	20.4	19.9	19.4	18.8	18.3	17.6	17.0
172.5°	17.6	17.2	16.8	16.4	16.0	15.6	15.1	14.6	14.1	13.5	13.1
175°	12.7	12.4	12.2	11.9	11.6	11.3	11.0	10.6	10.3	9.9	9.6
177.5°	7.5	7.4	7.3	7.2	7.0	6.9	6.7	6.6	6.4	6.2	6.1
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: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	5.9	5.7	5.5	5.3	5.1	4.9	4.7	4.4	4.2	4.0	3.8
5°	9.2	8.8	8.4	7.9	7.5	7.1	6.6	6.2	5.7	5.2	4.8
7.5°	12.5	12.0	11.4	10.9	10.3	9.7	9.0	8.4	7.7	7.0	6.4
10°	16.3	15.6	14.8	14.0	13.2	12.4	11.5	10.7	9.8	8.9	8.0
12.5°	19.9	19.0	18.0	17.0	16.0	15.0	13.9	12.9	11.8	10.7	9.5
15°	23.4	22.3	21.2	20.0	18.8	17.6	16.3	15.0	13.7	12.3	11.0
17.5°	26.9	25.6	24.2	22.8	21.3	19.9	18.5	17.0	15.5	14.0	12.5
20°	30.1	28.6	27.1	25.6	24.0	22.4	20.8	19.1	17.4	15.6	13.9
22.5°	33.4	31.8	30.1	28.3	26.5	24.7	22.8	20.9	19.0	17.1	15.2
25°	36.7	34.8	32.8	30.9	28.8	26.8	24.8	22.7	20.6	18.5	16.4
27.5°	39.7	37.6	35.4	33.3	31.1	28.9	26.7	24.4	22.2	19.9	17.6
30°	42.6	40.3	38.0	35.7	33.3	30.9	28.5	26.1	23.7	21.2	18.7
32.5°	45.5	43.0	40.5	38.0	35.5	32.9	30.2	27.5	24.8	22.1	19.5
35°	48.3	45.6	43.0	40.2	37.2	34.3	31.4	28.6	25.7	23.0	20.3
37.5°	50.9	48.0	45.0	41.8	38.7	35.6	32.6	29.8	27.0	24.1	21.1
40°	53.3	50.1	46.8	43.5	40.2	37.2	34.2	30.9	27.6	24.4	21.3
42.5°	55.7	52.2	48.7	45.4	42.2	38.6	34.8	31.2	28.0	24.8	21.7
45°	57.9	54.3	51.0	47.4	43.4	39.4	35.7	31.9	28.5	25.3	22.1
47.5°	60.3	56.8	52.9	48.7	44.6	40.6	36.7	32.9	29.1	25.7	22.5
50°	62.9	58.9	54.6	50.2	46.0	41.9	37.8	33.7	29.7	26.2	23.1
52.5°	65.3	60.9	56.2	51.8	47.5	43.0	38.5	34.5	30.7	26.9	23.2
55°	67.6	62.7	58.0	53.5	48.6	43.7	39.5	35.3	31.3	27.3	23.6
57.5°	70.5	64.7	59.9	54.7	49.4	44.8	40.4	36.1	31.9	27.9	23.9
60°	73.2	67.1	61.3	55.7	50.6	45.9	41.3	36.7	32.2	27.8	23.9
62.5°	75.5	68.7	62.1	56.4	51.6	47.0	41.9	36.9	32.1	27.9	23.9
65°	77.2	69.6	62.8	56.9	51.9	47.0	42.2	36.8	32.1	27.5	22.9
67.5°	78.5	70.5	63.3	57.2	51.5	46.1	41.0	36.7	31.7	26.6	22.0
70°	79.7	71.2	63.8	57.1	51.0	45.0	39.7	34.9	30.4	25.7	20.9
72.5°	80.8	72.0	64.1	56.9	50.2	43.8	38.1	33.0	28.0	23.7	19.7
75°	82.2	72.7	64.4	56.7	49.4	42.5	36.6	30.9	25.5	21.2	18.1
77.5°	83.8	73.7	64.7	56.4	48.7	41.3	35.3	28.6	23.4	19.3	16.0
80°	85.5	74.9	65.1	56.0	47.4	39.9	33.4	26.9	21.8	17.5	13.8
82.5°	87.4	76.2	65.6	55.6	46.2	38.3	31.4	25.4	20.5	15.9	11.6
85°	89.7	77.8	66.4	55.6	45.3	36.9	30.0	24.3	19.8	15.7	11.5
87.5°	92.5	79.9	67.6	55.9	44.9	35.9	29.3	23.7	19.7	16.2	12.4
90°	95.8	82.6	69.4	56.9	45.1	35.4	29.2	23.6	20.1	17.4	13.9
92.5°	92.5	79.9	67.6	55.9	44.9	35.9	29.3	23.7	19.7	16.2	12.4
95°	89.7	77.8	66.4	55.6	45.3	36.9	30.0	24.3	19.8	15.7	11.5
97.5°	87.4	76.2	65.6	55.6	46.2	38.3	31.4	25.4	20.5	15.9	11.6
100°	85.5	74.9	65.1	56.0	47.4	39.9	33.4	26.9	21.8	17.5	13.8
102.5°	83.8	73.7	64.7	56.4	48.7	41.3	35.3	28.6	23.4	19.3	16.0
105°	82.2	72.7	64.4	56.7	49.4	42.5	36.6	30.9	25.5	21.2	18.1
107.5°	80.8	72.0	64.1	56.9	50.2	43.8	38.1	33.0	28.0	23.7	19.7
110°	79.7	71.2	63.8	57.1	51.0	45.0	39.7	34.9	30.4	25.7	20.9





TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	78.5	70.5	63.3	57.2	51.5	46.1	41.0	36.7	31.7	26.6	22.0
115°	77.2	69.6	62.8	56.9	51.9	47.0	42.2	36.8	32.1	27.5	22.9
117.5°	75.5	68.7	62.1	56.4	51.6	47.0	41.9	36.9	32.1	27.9	23.9
120°	73.2	67.1	61.3	55.7	50.6	45.9	41.3	36.7	32.2	27.8	23.9
122.5°	70.5	64.7	59.9	54.7	49.4	44.8	40.4	36.1	31.9	27.9	23.9
125°	67.6	62.7	58.0	53.5	48.6	43.7	39.5	35.3	31.3	27.3	23.6
127.5°	65.3	60.9	56.2	51.8	47.5	43.0	38.5	34.5	30.7	26.9	23.2
130°	62.9	58.9	54.6	50.2	46.0	41.9	37.8	33.7	29.7	26.2	23.1
132.5°	60.3	56.8	52.9	48.7	44.6	40.6	36.7	32.9	29.1	25.7	22.5
135°	57.9	54.3	51.0	47.4	43.4	39.4	35.7	31.9	28.5	25.3	22.1
137.5°	55.7	52.2	48.7	45.4	42.2	38.6	34.8	31.2	28.0	24.8	21.7
140°	53.3	50.1	46.8	43.5	40.2	37.2	34.2	30.9	27.6	24.4	21.3
142.5°	50.9	48.0	45.0	41.8	38.7	35.6	32.6	29.8	27.0	24.1	21.1
145°	48.3	45.6	43.0	40.2	37.2	34.3	31.4	28.6	25.7	23.0	20.3
147.5°	45.5	43.0	40.5	38.0	35.5	32.9	30.2	27.5	24.8	22.1	19.5
150°	42.6	40.3	38.0	35.7	33.3	30.9	28.5	26.1	23.7	21.2	18.7
152.5°	39.7	37.6	35.4	33.3	31.1	28.9	26.7	24.4	22.2	19.9	17.6
155°	36.7	34.8	32.8	30.9	28.8	26.8	24.8	22.7	20.6	18.5	16.4
157.5°	33.4	31.8	30.1	28.3	26.5	24.7	22.8	20.9	19.0	17.1	15.2
160°	30.1	28.6	27.1	25.6	24.0	22.4	20.8	19.1	17.4	15.6	13.9
162.5°	26.9	25.6	24.2	22.8	21.3	19.9	18.5	17.0	15.5	14.0	12.5
165°	23.4	22.3	21.2	20.0	18.8	17.6	16.3	15.0	13.7	12.3	11.0
167.5°	19.9	19.0	18.0	17.0	16.0	15.0	13.9	12.9	11.8	10.7	9.5
170°	16.3	15.6	14.8	14.0	13.2	12.4	11.5	10.7	9.8	8.9	8.0
172.5°	12.5	12.0	11.4	10.9	10.3	9.7	9.0	8.4	7.7	7.0	6.4
175°	9.2	8.8	8.4	7.9	7.5	7.1	6.6	6.2	5.7	5.2	4.8
177.5°	5.9	5.7	5.5	5.3	5.1	4.9	4.7	4.4	4.2	4.0	3.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.5	3.3	3.1	2.8	2.6	2.3	2.1	2.3	2.6	2.8	3.1
5°	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.9	2.4	2.8	3.3
7.5°	5.7	5.0	4.3	3.6	2.8	2.1	1.4	2.1	2.8	3.6	4.3
10°	7.1	6.1	5.2	4.2	3.3	2.4	1.4	2.4	3.3	4.2	5.2
12.5°	8.4	7.3	6.1	4.9	3.8	2.6	1.4	2.6	3.8	4.9	6.1
15°	9.7	8.3	6.9	5.5	4.2	2.8	1.4	2.8	4.2	5.5	6.9
17.5°	10.9	9.4	7.8	6.2	4.6	3.0	1.4	3.0	4.6	6.2	7.8
20°	12.1	10.3	8.6	6.8	5.0	3.2	1.4	3.2	5.0	6.8	8.6
22.5°	13.2	11.3	9.3	7.3	5.4	3.4	1.4	3.4	5.4	7.3	9.3
25°	14.3	12.1	10.0	7.9	5.7	3.6	1.4	3.6	5.7	7.9	10.0
27.5°	15.3	13.0	10.7	8.4	6.1	3.7	1.4	3.7	6.1	8.4	10.7
30°	16.2	13.7	11.2	8.8	6.3	3.9	1.4	3.9	6.3	8.8	11.2
32.5°	16.9	14.2	11.7	9.1	6.5	4.0	1.4	4.0	6.5	9.1	11.7
35°	17.6	14.9	12.2	9.5	6.8	4.1	1.4	4.1	6.8	9.5	12.2
37.5°	18.2	15.3	12.4	9.6	6.9	4.1	1.4	4.1	6.9	9.6	12.4
40°	18.4	15.5	12.6	9.8	7.0	4.2	1.4	4.2	7.0	9.8	12.6
42.5°	18.7	15.8	12.8	9.9	7.1	4.2	1.4	4.2	7.1	9.9	12.8
45°	19.1	16.1	13.2	10.4	7.6	4.9	2.1	4.9	7.6	10.4	13.2
47.5°	19.5	16.5	13.6	10.7	7.8	5.0	2.1	5.0	7.8	10.7	13.6
50°	19.9	16.8	13.7	10.7	7.8	5.0	2.1	5.0	7.8	10.7	13.7
52.5°	19.9	16.9	13.8	10.9	7.9	5.0	2.1	5.0	7.9	10.9	13.8
55°	20.3	17.1	13.9	10.8	7.9	5.0	2.1	5.0	7.9	10.8	13.9
57.5°	20.2	16.9	13.9	10.9	7.9	5.0	2.1	5.0	7.9	10.9	13.9
60°	20.4	17.0	13.6	10.5	7.6	4.8	2.1	4.8	7.6	10.5	13.6
62.5°	19.8	16.0	12.9	10.0	7.2	4.6	2.1	4.6	7.2	10.0	12.9
65°	18.9	15.4	12.3	9.6	7.1	4.9	2.8	4.9	7.1	9.6	12.3
67.5°	18.0	14.5	11.5	8.8	6.4	4.2	2.1	4.2	6.4	8.8	11.5
70°	16.8	13.5	10.6	8.2	6.2	4.5	2.8	4.5	6.2	8.2	10.6
72.5°	16.0	12.8	10.1	7.5	5.5	4.0	2.8	4.0	5.5	7.5	10.1
75°	15.5	12.4	9.5	6.7	4.8	3.7	2.8	3.7	4.8	6.7	9.5
77.5°	13.8	12.4	8.8	5.2	1.8	0.4	0.0	0.4	1.8	5.2	8.8
80°	11.4	9.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
82.5°	8.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	7.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	6.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	8.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	11.4	9.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
102.5°	13.8	12.4	8.8	5.2	1.8	0.4	0.0	0.4	1.8	5.2	8.8
105°	15.5	12.4	9.5	6.7	4.8	3.7	2.8	3.7	4.8	6.7	9.5
107.5°	16.0	12.8	10.1	7.5	5.5	4.0	2.8	4.0	5.5	7.5	10.1
110°	16.8	13.5	10.6	8.2	6.2	4.5	2.8	4.5	6.2	8.2	10.6



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	18.0	14.5	11.5	8.8	6.4	4.2	2.1	4.2	6.4	8.8	11.5
115°	18.9	15.4	12.3	9.6	7.1	4.9	2.8	4.9	7.1	9.6	12.3
117.5°	19.8	16.0	12.9	10.0	7.2	4.6	2.1	4.6	7.2	10.0	12.9
120°	20.4	17.0	13.6	10.5	7.6	4.8	2.1	4.8	7.6	10.5	13.6
122.5°	20.2	16.9	13.9	10.9	7.9	5.0	2.1	5.0	7.9	10.9	13.9
125°	20.3	17.1	13.9	10.8	7.9	5.0	2.1	5.0	7.9	10.8	13.9
127.5°	19.9	16.9	13.8	10.9	7.9	5.0	2.1	5.0	7.9	10.9	13.8
130°	19.9	16.8	13.7	10.7	7.8	5.0	2.1	5.0	7.8	10.7	13.7
132.5°	19.5	16.5	13.6	10.7	7.8	5.0	2.1	5.0	7.8	10.7	13.6
135°	19.1	16.1	13.2	10.4	7.6	4.9	2.1	4.9	7.6	10.4	13.2
137.5°	18.7	15.8	12.8	9.9	7.1	4.2	1.4	4.2	7.1	9.9	12.8
140°	18.4	15.5	12.6	9.8	7.0	4.2	1.4	4.2	7.0	9.8	12.6
142.5°	18.2	15.3	12.4	9.6	6.9	4.1	1.4	4.1	6.9	9.6	12.4
145°	17.6	14.9	12.2	9.5	6.8	4.1	1.4	4.1	6.8	9.5	12.2
147.5°	16.9	14.2	11.7	9.1	6.5	4.0	1.4	4.0	6.5	9.1	11.7
150°	16.2	13.7	11.2	8.8	6.3	3.9	1.4	3.9	6.3	8.8	11.2
152.5°	15.3	13.0	10.7	8.4	6.1	3.7	1.4	3.7	6.1	8.4	10.7
155°	14.3	12.1	10.0	7.9	5.7	3.6	1.4	3.6	5.7	7.9	10.0
157.5°	13.2	11.3	9.3	7.3	5.4	3.4	1.4	3.4	5.4	7.3	9.3
160°	12.1	10.3	8.6	6.8	5.0	3.2	1.4	3.2	5.0	6.8	8.6
162.5°	10.9	9.4	7.8	6.2	4.6	3.0	1.4	3.0	4.6	6.2	7.8
165°	9.7	8.3	6.9	5.5	4.2	2.8	1.4	2.8	4.2	5.5	6.9
167.5°	8.4	7.3	6.1	4.9	3.8	2.6	1.4	2.6	3.8	4.9	6.1
170°	7.1	6.1	5.2	4.2	3.3	2.4	1.4	2.4	3.3	4.2	5.2
172.5°	5.7	5.0	4.3	3.6	2.8	2.1	1.4	2.1	2.8	3.6	4.3
175°	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.9	2.4	2.8	3.3
177.5°	3.5	3.3	3.1	2.8	2.6	2.3	2.1	2.3	2.6	2.8	3.1
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: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.3	3.5	3.8	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.5
5°	3.8	4.3	4.8	5.2	5.7	6.2	6.6	7.1	7.5	7.9	8.4
7.5°	5.0	5.7	6.4	7.0	7.7	8.4	9.0	9.7	10.3	10.9	11.4
10°	6.1	7.1	8.0	8.9	9.8	10.7	11.5	12.4	13.2	14.0	14.8
12.5°	7.3	8.4	9.5	10.7	11.8	12.9	13.9	15.0	16.0	17.0	18.0
15°	8.3	9.7	11.0	12.3	13.7	15.0	16.3	17.6	18.8	20.0	21.2
17.5°	9.4	10.9	12.5	14.0	15.5	17.0	18.5	19.9	21.3	22.8	24.2
20°	10.3	12.1	13.9	15.6	17.4	19.1	20.8	22.4	24.0	25.6	27.1
22.5°	11.3	13.2	15.2	17.1	19.0	20.9	22.8	24.7	26.5	28.3	30.1
25°	12.1	14.3	16.4	18.5	20.6	22.7	24.8	26.8	28.8	30.9	32.8
27.5°	13.0	15.3	17.6	19.9	22.2	24.4	26.7	28.9	31.1	33.3	35.4
30°	13.7	16.2	18.7	21.2	23.7	26.1	28.5	30.9	33.3	35.7	38.0
32.5°	14.2	16.9	19.5	22.1	24.8	27.5	30.2	32.9	35.5	38.0	40.5
35°	14.9	17.6	20.3	23.0	25.7	28.6	31.4	34.3	37.2	40.2	43.0
37.5°	15.3	18.2	21.1	24.1	27.0	29.8	32.6	35.6	38.7	41.8	45.0
40°	15.5	18.4	21.3	24.4	27.6	30.9	34.2	37.2	40.2	43.5	46.8
42.5°	15.8	18.7	21.7	24.8	28.0	31.2	34.8	38.6	42.2	45.4	48.7
45°	16.1	19.1	22.1	25.3	28.5	31.9	35.7	39.4	43.4	47.4	51.0
47.5°	16.5	19.5	22.5	25.7	29.1	32.9	36.7	40.6	44.6	48.7	52.9
50°	16.8	19.9	23.1	26.2	29.7	33.7	37.8	41.9	46.0	50.2	54.6
52.5°	16.9	19.9	23.2	26.9	30.7	34.5	38.5	43.0	47.5	51.8	56.2
55°	17.1	20.3	23.6	27.3	31.3	35.3	39.5	43.7	48.6	53.5	58.0
57.5°	16.9	20.2	23.9	27.9	31.9	36.1	40.4	44.8	49.4	54.7	59.9
60°	17.0	20.4	23.9	27.8	32.2	36.7	41.3	45.9	50.6	55.7	61.3
62.5°	16.0	19.8	23.9	27.9	32.1	36.9	41.9	47.0	51.6	56.4	62.1
65°	15.4	18.9	22.9	27.5	32.1	36.8	42.2	47.0	51.9	56.9	62.8
67.5°	14.5	18.0	22.0	26.6	31.7	36.7	41.0	46.1	51.5	57.2	63.3
70°	13.5	16.8	20.9	25.7	30.4	34.9	39.7	45.0	51.0	57.1	63.8
72.5°	12.8	16.0	19.7	23.7	28.0	33.0	38.1	43.8	50.2	56.9	64.1
75°	12.4	15.5	18.1	21.2	25.5	30.9	36.6	42.5	49.4	56.7	64.4
77.5°	12.4	13.8	16.0	19.3	23.4	28.6	35.3	41.3	48.7	56.4	64.7
80°	9.3	11.4	13.8	17.5	21.8	26.9	33.4	39.9	47.4	56.0	65.1
82.5°	5.3	8.5	11.6	15.9	20.5	25.4	31.4	38.3	46.2	55.6	65.6
85°	1.9	6.9	11.5	15.7	19.8	24.3	30.0	36.9	45.3	55.6	66.4
87.5°	0.6	7.3	12.4	16.2	19.7	23.7	29.3	35.9	44.9	55.9	67.6
90°	0.0	8.3	13.9	17.4	20.1	23.6	29.2	35.4	45.1	56.9	69.4
92.5°	0.6	7.3	12.4	16.2	19.7	23.7	29.3	35.9	44.9	55.9	67.6
95°	1.9	6.9	11.5	15.7	19.8	24.3	30.0	36.9	45.3	55.6	66.4
97.5°	5.3	8.5	11.6	15.9	20.5	25.4	31.4	38.3	46.2	55.6	65.6
100°	9.3	11.4	13.8	17.5	21.8	26.9	33.4	39.9	47.4	56.0	65.1
102.5°	12.4	13.8	16.0	19.3	23.4	28.6	35.3	41.3	48.7	56.4	64.7
105°	12.4	15.5	18.1	21.2	25.5	30.9	36.6	42.5	49.4	56.7	64.4
107.5°	12.8	16.0	19.7	23.7	28.0	33.0	38.1	43.8	50.2	56.9	64.1
110°	13.5	16.8	20.9	25.7	30.4	34.9	39.7	45.0	51.0	57.1	63.8



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	14.5	18.0	22.0	26.6	31.7	36.7	41.0	46.1	51.5	57.2	63.3
115°	15.4	18.9	22.9	27.5	32.1	36.8	42.2	47.0	51.9	56.9	62.8
117.5°	16.0	19.8	23.9	27.9	32.1	36.9	41.9	47.0	51.6	56.4	62.1
120°	17.0	20.4	23.9	27.8	32.2	36.7	41.3	45.9	50.6	55.7	61.3
122.5°	16.9	20.2	23.9	27.9	31.9	36.1	40.4	44.8	49.4	54.7	59.9
125°	17.1	20.3	23.6	27.3	31.3	35.3	39.5	43.7	48.6	53.5	58.0
127.5°	16.9	19.9	23.2	26.9	30.7	34.5	38.5	43.0	47.5	51.8	56.2
130°	16.8	19.9	23.1	26.2	29.7	33.7	37.8	41.9	46.0	50.2	54.6
132.5°	16.5	19.5	22.5	25.7	29.1	32.9	36.7	40.6	44.6	48.7	52.9
135°	16.1	19.1	22.1	25.3	28.5	31.9	35.7	39.4	43.4	47.4	51.0
137.5°	15.8	18.7	21.7	24.8	28.0	31.2	34.8	38.6	42.2	45.4	48.7
140°	15.5	18.4	21.3	24.4	27.6	30.9	34.2	37.2	40.2	43.5	46.8
142.5°	15.3	18.2	21.1	24.1	27.0	29.8	32.6	35.6	38.7	41.8	45.0
145°	14.9	17.6	20.3	23.0	25.7	28.6	31.4	34.3	37.2	40.2	43.0
147.5°	14.2	16.9	19.5	22.1	24.8	27.5	30.2	32.9	35.5	38.0	40.5
150°	13.7	16.2	18.7	21.2	23.7	26.1	28.5	30.9	33.3	35.7	38.0
152.5°	13.0	15.3	17.6	19.9	22.2	24.4	26.7	28.9	31.1	33.3	35.4
155°	12.1	14.3	16.4	18.5	20.6	22.7	24.8	26.8	28.8	30.9	32.8
157.5°	11.3	13.2	15.2	17.1	19.0	20.9	22.8	24.7	26.5	28.3	30.1
160°	10.3	12.1	13.9	15.6	17.4	19.1	20.8	22.4	24.0	25.6	27.1
162.5°	9.4	10.9	12.5	14.0	15.5	17.0	18.5	19.9	21.3	22.8	24.2
165°	8.3	9.7	11.0	12.3	13.7	15.0	16.3	17.6	18.8	20.0	21.2
167.5°	7.3	8.4	9.5	10.7	11.8	12.9	13.9	15.0	16.0	17.0	18.0
170°	6.1	7.1	8.0	8.9	9.8	10.7	11.5	12.4	13.2	14.0	14.8
172.5°	5.0	5.7	6.4	7.0	7.7	8.4	9.0	9.7	10.3	10.9	11.4
175°	3.8	4.3	4.8	5.2	5.7	6.2	6.6	7.1	7.5	7.9	8.4
177.5°	3.3	3.5	3.8	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.5
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: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	5.7	5.9	6.1	6.2	6.4	6.6	6.7	6.9	7.0	7.2	7.3
5°	8.8	9.2	9.6	9.9	10.3	10.6	11.0	11.3	11.6	11.9	12.2
7.5°	12.0	12.5	13.1	13.5	14.1	14.6	15.1	15.6	16.0	16.4	16.8
10°	15.6	16.3	17.0	17.6	18.3	18.8	19.4	19.9	20.4	21.0	21.5
12.5°	19.0	19.9	20.8	21.6	22.5	23.3	24.0	24.6	25.2	25.8	26.3
15°	22.3	23.4	24.5	25.5	26.5	27.5	28.4	29.2	30.0	30.7	31.3
17.5°	25.6	26.9	28.2	29.4	30.5	31.6	32.7	33.7	34.6	35.5	36.3
20°	28.6	30.1	31.6	33.1	34.5	35.8	37.0	38.1	39.2	40.3	41.2
22.5°	31.8	33.4	35.0	36.5	38.1	39.7	41.2	42.5	43.8	44.9	46.0
25°	34.8	36.7	38.6	40.2	41.8	43.4	45.1	46.8	48.3	49.6	52.1
27.5°	37.6	39.7	41.8	43.8	45.7	47.4	50.0	53.2	56.6	60.1	63.5
30°	40.3	42.6	44.8	47.4	50.3	53.4	56.8	60.5	64.7	69.1	73.7
32.5°	43.0	45.5	48.2	51.2	54.4	58.0	61.9	66.3	71.3	76.7	82.4
35°	45.6	48.3	51.2	54.2	57.7	61.6	66.0	70.8	76.5	83.0	89.9
37.5°	48.0	50.9	53.9	57.0	60.4	64.5	69.2	74.6	80.5	88.0	96.2
40°	50.1	53.3	56.5	59.7	63.1	67.0	71.9	77.6	84.2	91.6	101.3
42.5°	52.2	55.7	59.0	62.3	65.8	69.7	74.1	80.1	87.1	95.2	105.2
45°	54.3	57.9	61.6	65.1	68.6	72.3	76.8	82.0	89.7	98.3	108.1
47.5°	56.8	60.3	64.0	67.9	71.4	75.2	79.4	84.7	91.8	100.8	111.5
50°	58.9	62.9	66.6	70.5	74.5	78.1	82.4	87.6	94.4	104.4	115.1
52.5°	60.9	65.3	69.4	73.2	77.4	82.9	87.9	93.5	100.3	108.9	119.1
55°	62.7	67.6	72.3	78.1	84.4	90.9	95.3	100.3	106.3	113.9	123.8
57.5°	64.7	70.5	76.7	83.4	90.9	98.2	103.7	107.6	112.5	119.8	129.2
60°	67.1	73.2	80.2	87.8	96.3	105.1	112.7	115.5	119.9	126.4	134.9
62.5°	68.7	75.5	83.0	91.4	100.8	111.5	120.5	124.5	127.7	133.1	141.0
65°	69.6	77.2	85.4	94.5	104.7	116.6	127.6	134.0	135.8	139.9	147.5
67.5°	70.5	78.5	87.5	97.3	108.3	121.0	134.6	144.0	144.2	147.4	154.6
70°	71.2	79.7	89.2	100.0	111.5	125.0	141.1	152.6	153.7	155.1	160.1
72.5°	72.0	80.8	90.6	102.4	114.7	128.1	142.7	153.2	155.0	155.4	159.8
75°	72.7	82.2	92.4	104.3	117.0	129.5	141.6	151.3	155.0	155.5	159.7
77.5°	73.7	83.8	94.5	106.4	119.5	131.9	142.0	150.0	154.6	155.5	159.7
80°	74.9	85.5	96.9	108.9	122.3	135.2	143.6	149.2	154.0	155.5	159.8
82.5°	76.2	87.4	99.6	111.8	125.4	139.2	146.2	148.8	153.2	155.4	160.1
85°	77.8	89.7	102.7	115.2	128.9	143.8	149.5	148.8	152.4	155.4	160.5
87.5°	79.9	92.5	106.3	119.2	132.9	148.8	153.2	149.0	151.5	155.4	161.1
90°	82.6	95.8	110.4	123.6	137.5	154.1	156.9	149.3	150.6	155.5	161.8
92.5°	79.9	92.5	106.3	119.2	132.9	148.8	153.2	149.0	151.5	155.4	161.1
95°	77.8	89.7	102.7	115.2	128.9	143.8	149.5	148.8	152.4	155.4	160.5
97.5°	76.2	87.4	99.6	111.8	125.4	139.2	146.2	148.8	153.2	155.4	160.1
100°	74.9	85.5	96.9	108.9	122.3	135.2	143.6	149.2	154.0	155.5	159.8
102.5°	73.7	83.8	94.5	106.4	119.5	131.9	142.0	150.0	154.6	155.5	159.7
105°	72.7	82.2	92.4	104.3	117.0	129.5	141.6	151.3	155.0	155.5	159.7
107.5°	72.0	80.8	90.6	102.4	114.7	128.1	142.7	153.2	155.0	155.4	159.8
110°	71.2	79.7	89.2	100.0	111.5	125.0	141.1	152.6	153.7	155.1	160.1



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	70.5	78.5	87.5	97.3	108.3	121.0	134.6	144.0	144.2	147.4	154.6
115°	69.6	77.2	85.4	94.5	104.7	116.6	127.6	134.0	135.8	139.9	147.5
117.5°	68.7	75.5	83.0	91.4	100.8	111.5	120.5	124.5	127.7	133.1	141.0
120°	67.1	73.2	80.2	87.8	96.3	105.1	112.7	115.5	119.9	126.4	134.9
122.5°	64.7	70.5	76.7	83.4	90.9	98.2	103.7	107.6	112.5	119.8	129.2
125°	62.7	67.6	72.3	78.1	84.4	90.9	95.3	100.3	106.3	113.9	123.8
127.5°	60.9	65.3	69.4	73.2	77.4	82.9	87.9	93.5	100.3	108.9	119.1
130°	58.9	62.9	66.6	70.5	74.5	78.1	82.4	87.6	94.4	104.4	115.1
132.5°	56.8	60.3	64.0	67.9	71.4	75.2	79.4	84.7	91.8	100.8	111.5
135°	54.3	57.9	61.6	65.1	68.6	72.3	76.8	82.0	89.7	98.3	108.1
137.5°	52.2	55.7	59.0	62.3	65.8	69.7	74.1	80.1	87.1	95.2	105.2
140°	50.1	53.3	56.5	59.7	63.1	67.0	71.9	77.6	84.2	91.6	101.3
142.5°	48.0	50.9	53.9	57.0	60.4	64.5	69.2	74.6	80.5	88.0	96.2
145°	45.6	48.3	51.2	54.2	57.7	61.6	66.0	70.8	76.5	83.0	89.9
147.5°	43.0	45.5	48.2	51.2	54.4	58.0	61.9	66.3	71.3	76.7	82.4
150°	40.3	42.6	44.8	47.4	50.3	53.4	56.8	60.5	64.7	69.1	73.7
152.5°	37.6	39.7	41.8	43.8	45.7	47.4	50.0	53.2	56.6	60.1	63.5
155°	34.8	36.7	38.6	40.2	41.8	43.4	45.1	46.8	48.3	49.6	52.1
157.5°	31.8	33.4	35.0	36.5	38.1	39.7	41.2	42.5	43.8	44.9	46.0
160°	28.6	30.1	31.6	33.1	34.5	35.8	37.0	38.1	39.2	40.3	41.2
162.5°	25.6	26.9	28.2	29.4	30.5	31.6	32.7	33.7	34.6	35.5	36.3
165°	22.3	23.4	24.5	25.5	26.5	27.5	28.4	29.2	30.0	30.7	31.3
167.5°	19.0	19.9	20.8	21.6	22.5	23.3	24.0	24.6	25.2	25.8	26.3
170°	15.6	16.3	17.0	17.6	18.3	18.8	19.4	19.9	20.4	21.0	21.5
172.5°	12.0	12.5	13.1	13.5	14.1	14.6	15.1	15.6	16.0	16.4	16.8
175°	8.8	9.2	9.6	9.9	10.3	10.6	11.0	11.3	11.6	11.9	12.2
177.5°	5.7	5.9	6.1	6.2	6.4	6.6	6.7	6.9	7.0	7.2	7.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	7.4	7.5	7.6	7.7	7.8	7.9	7.9	8.0	8.0	8.0	8.8
5°	12.4	12.7	12.9	13.1	13.3	13.5	13.6	13.8	13.9	14.0	15.5
7.5°	17.2	17.6	17.9	18.3	18.6	18.9	19.2	19.5	19.7	19.9	22.1
10°	22.0	22.5	22.9	23.3	23.7	24.2	24.7	25.1	25.5	25.8	28.7
12.5°	26.8	27.4	27.9	28.4	28.8	29.4	30.1	30.7	31.2	31.8	35.3
15°	31.9	32.4	33.0	33.5	34.0	34.5	35.3	36.2	37.0	37.7	41.9
17.5°	37.0	37.6	38.1	38.7	39.2	39.8	40.5	41.6	42.6	43.6	48.4
20°	42.1	42.8	43.3	43.8	44.5	45.1	45.6	46.9	48.3	49.6	54.9
22.5°	47.0	48.0	48.6	49.2	49.7	50.4	50.9	52.2	53.9	55.5	61.3
25°	54.7	57.2	59.7	61.8	63.7	65.9	68.1	70.5	73.5	76.1	82.8
27.5°	66.9	70.3	73.6	76.6	79.4	82.4	85.7	89.0	93.0	96.7	104.5
30°	78.0	82.4	86.6	90.8	94.6	98.2	102.8	107.2	112.4	117.3	126.2
32.5°	88.1	93.6	98.9	104.2	109.1	113.8	119.4	125.3	131.7	137.9	148.1
35°	97.1	103.8	110.5	116.9	123.2	129.0	135.6	143.1	150.9	158.5	169.9
37.5°	104.7	113.2	121.3	129.1	137.0	143.8	151.4	160.6	169.9	179.1	191.8
40°	111.3	121.6	131.2	140.7	149.6	158.2	166.8	177.9	188.9	199.7	213.8
42.5°	117.0	128.9	140.5	152.1	162.1	172.3	182.3	194.9	207.7	220.3	235.8
45°	121.7	135.4	149.2	162.0	174.2	186.0	197.3	211.7	226.5	240.9	257.8
47.5°	125.2	140.0	153.9	166.6	178.7	190.4	202.3	217.4	233.9	250.8	268.9
50°	127.1	141.6	155.1	167.9	180.4	192.8	206.1	222.4	241.0	260.7	279.9
52.5°	130.4	143.9	157.0	169.6	182.1	195.2	209.7	227.4	248.1	270.5	290.8
55°	134.9	147.2	159.7	171.6	184.0	197.6	213.2	232.2	255.0	280.4	301.7
57.5°	139.8	151.3	163.0	174.0	186.2	200.0	216.6	237.0	261.8	290.3	312.6
60°	145.0	156.1	167.3	177.0	188.7	202.6	219.9	241.7	268.6	300.2	323.5
62.5°	150.6	161.7	171.4	180.5	191.4	205.1	223.1	246.4	275.3	310.0	334.3
65°	156.8	167.5	176.5	184.5	194.3	207.8	226.3	251.1	282.0	319.9	345.2
67.5°	163.4	173.6	182.1	188.9	197.4	210.5	229.4	255.7	288.6	329.8	356.0
70°	167.3	175.7	183.1	188.7	196.1	208.6	227.2	253.7	286.8	328.9	359.3
72.5°	166.6	174.0	181.3	186.7	193.8	206.1	224.8	251.7	284.9	328.1	362.7
75°	166.2	172.7	179.6	184.8	191.5	203.8	222.5	249.7	283.2	327.2	367.4
77.5°	166.1	171.6	178.0	183.0	189.4	201.5	220.3	247.9	281.5	326.4	370.5
80°	166.3	170.8	176.5	181.2	187.4	199.4	218.3	246.3	279.8	325.5	373.6
82.5°	166.7	170.3	175.2	179.5	185.5	197.4	216.4	244.7	278.3	324.7	376.7
85°	167.3	169.9	173.9	177.9	183.7	195.6	214.7	243.3	276.8	323.8	379.8
87.5°	168.0	169.6	172.7	176.4	182.1	193.9	213.1	242.0	275.5	323.0	382.9
90°	168.7	169.4	171.5	174.9	180.5	192.3	211.7	240.9	274.2	322.1	386.0
92.5°	168.0	169.6	172.7	176.4	182.1	193.9	213.1	242.0	275.5	323.0	382.9
95°	167.3	169.9	173.9	177.9	183.7	195.6	214.7	243.3	276.8	323.8	379.8
97.5°	166.7	170.3	175.2	179.5	185.5	197.4	216.4	244.7	278.3	324.7	376.7
100°	166.3	170.8	176.5	181.2	187.4	199.4	218.3	246.3	279.8	325.5	373.6
102.5°	166.1	171.6	178.0	183.0	189.4	201.5	220.3	247.9	281.5	326.4	370.5
105°	166.2	172.7	179.6	184.8	191.5	203.8	222.5	249.7	283.2	327.2	367.4
107.5°	166.6	174.0	181.3	186.7	193.8	206.1	224.8	251.7	284.9	328.1	362.7
110°	167.3	175.7	183.1	188.7	196.1	208.6	227.2	253.7	286.8	328.9	359.3





TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	163.4	173.6	182.1	188.9	197.4	210.5	229.4	255.7	288.6	329.8	356.0
115°	156.8	167.5	176.5	184.5	194.3	207.8	226.3	251.1	282.0	319.9	345.2
117.5°	150.6	161.7	171.4	180.5	191.4	205.1	223.1	246.4	275.3	310.0	334.3
120°	145.0	156.1	167.3	177.0	188.7	202.6	219.9	241.7	268.6	300.2	323.5
122.5°	139.8	151.3	163.0	174.0	186.2	200.0	216.6	237.0	261.8	290.3	312.6
125°	134.9	147.2	159.7	171.6	184.0	197.6	213.2	232.2	255.0	280.4	301.7
127.5°	130.4	143.9	157.0	169.6	182.1	195.2	209.7	227.4	248.1	270.5	290.8
130°	127.1	141.6	155.1	167.9	180.4	192.8	206.1	222.4	241.0	260.7	279.9
132.5°	125.2	140.0	153.9	166.6	178.7	190.4	202.3	217.4	233.9	250.8	268.9
135°	121.7	135.4	149.2	162.0	174.2	186.0	197.3	211.7	226.5	240.9	257.8
137.5°	117.0	128.9	140.5	152.1	162.1	172.3	182.3	194.9	207.7	220.3	235.8
140°	111.3	121.6	131.2	140.7	149.6	158.2	166.8	177.9	188.9	199.7	213.8
142.5°	104.7	113.2	121.3	129.1	137.0	143.8	151.4	160.6	169.9	179.1	191.8
145°	97.1	103.8	110.5	116.9	123.2	129.0	135.6	143.1	150.9	158.5	169.9
147.5°	88.1	93.6	98.9	104.2	109.1	113.8	119.4	125.3	131.7	137.9	148.1
150°	78.0	82.4	86.6	90.8	94.6	98.2	102.8	107.2	112.4	117.3	126.2
152.5°	66.9	70.3	73.6	76.6	79.4	82.4	85.7	89.0	93.0	96.7	104.5
155°	54.7	57.2	59.7	61.8	63.7	65.9	68.1	70.5	73.5	76.1	82.8
157.5°	47.0	48.0	48.6	49.2	49.7	50.4	50.9	52.2	53.9	55.5	61.3
160°	42.1	42.8	43.3	43.8	44.5	45.1	45.6	46.9	48.3	49.6	54.9
162.5°	37.0	37.6	38.1	38.7	39.2	39.8	40.5	41.6	42.6	43.6	48.4
165°	31.9	32.4	33.0	33.5	34.0	34.5	35.3	36.2	37.0	37.7	41.9
167.5°	26.8	27.4	27.9	28.4	28.8	29.4	30.1	30.7	31.2	31.8	35.3
170°	22.0	22.5	22.9	23.3	23.7	24.2	24.7	25.1	25.5	25.8	28.7
172.5°	17.2	17.6	17.9	18.3	18.6	18.9	19.2	19.5	19.7	19.9	22.1
175°	12.4	12.7	12.9	13.1	13.3	13.5	13.6	13.8	13.9	14.0	15.5
177.5°	7.4	7.5	7.6	7.7	7.8	7.9	7.9	8.0	8.0	8.0	8.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	9.6	10.3	11.0	11.7	12.4	13.1	13.7	14.4	15.0	15.6	16.1
5°	17.0	18.4	19.8	21.2	22.6	23.9	25.2	26.4	27.6	28.7	29.9
7.5°	24.3	26.4	28.5	30.6	32.6	34.5	36.5	39.0	41.3	43.6	45.8
10°	31.6	34.4	37.1	39.8	42.6	46.0	49.4	52.7	55.9	58.9	62.0
12.5°	38.8	42.2	45.6	49.3	53.8	58.2	62.4	66.6	70.6	74.7	78.7
15°	45.9	50.0	54.1	59.7	65.1	70.4	75.5	80.4	85.2	89.8	95.0
17.5°	53.0	57.6	63.5	70.0	76.4	82.5	88.0	93.3	98.7	103.8	108.7
20°	60.1	65.4	73.0	80.5	87.7	93.7	99.6	105.4	111.3	117.1	122.7
22.5°	67.0	73.8	82.5	90.9	97.8	104.1	110.4	117.1	123.6	130.0	136.0
25°	89.1	97.0	105.5	113.1	118.5	123.5	128.6	133.5	137.9	141.6	147.9
27.5°	111.9	121.1	130.4	137.5	143.4	148.8	154.0	158.8	162.5	165.9	169.2
30°	134.8	145.1	155.3	161.8	168.5	173.5	178.6	182.5	186.0	189.3	192.5
32.5°	158.0	169.1	178.9	185.9	192.2	197.4	201.8	205.2	208.4	211.6	216.2
35°	181.2	192.9	202.5	209.9	215.6	221.0	223.9	226.9	229.9	233.7	239.9
37.5°	204.3	216.6	225.9	233.6	238.5	242.5	245.1	247.8	250.8	256.1	262.7
40°	227.3	240.3	249.3	256.3	260.7	263.5	265.6	267.8	271.6	277.3	286.4
42.5°	250.3	263.6	272.5	278.6	282.3	283.8	285.4	287.0	292.0	299.1	308.9
45°	273.1	286.4	295.6	300.4	302.8	303.5	304.4	306.7	311.1	320.5	331.5
47.5°	287.0	303.5	316.2	323.2	327.4	329.0	328.7	328.2	331.3	341.4	353.6
50°	300.8	320.6	336.8	347.8	356.8	364.3	370.6	377.9	384.5	388.7	390.9
52.5°	314.9	338.3	358.2	374.0	388.5	402.8	417.6	432.8	446.4	454.0	455.1
55°	329.4	356.6	380.7	401.6	422.3	444.3	468.7	492.2	511.3	520.5	513.7
57.5°	344.1	375.5	404.0	430.8	458.4	488.6	523.3	554.8	576.5	582.6	567.0
60°	359.1	394.8	428.3	461.4	496.9	535.7	581.3	620.2	642.7	637.9	617.7
62.5°	374.2	414.5	453.2	493.2	537.3	586.6	641.7	688.1	709.6	689.2	665.5
65°	389.5	434.5	478.7	526.1	579.2	639.6	703.6	754.4	776.6	737.1	710.4
67.5°	404.9	454.8	504.8	559.8	622.3	694.3	766.9	819.4	829.6	783.6	753.0
70°	408.1	459.4	512.4	572.0	640.5	721.4	801.8	860.5	867.9	827.5	794.8
72.5°	410.6	462.4	517.2	578.3	648.1	729.7	806.6	862.0	866.6	839.3	813.2
75°	412.8	465.2	521.6	584.1	654.6	736.3	809.3	863.6	870.3	853.9	828.8
77.5°	414.6	467.7	525.7	589.2	660.1	741.4	810.2	865.2	878.1	871.0	844.4
80°	417.6	469.9	529.5	593.7	664.7	745.0	809.4	866.5	889.1	889.9	860.2
82.5°	418.4	473.2	534.9	597.6	668.4	747.2	807.1	867.3	902.4	910.2	876.3
85°	419.2	474.0	536.6	602.1	672.8	750.2	805.1	869.8	917.0	931.5	893.0
87.5°	419.9	474.7	538.4	603.7	673.5	748.2	799.0	867.4	932.6	953.4	909.9
90°	420.7	475.5	540.1	605.4	674.1	746.3	792.8	865.0	946.2	974.7	928.9
92.5°	419.9	474.7	538.4	603.7	673.5	748.2	799.0	867.4	932.6	953.4	909.9
95°	419.2	474.0	536.6	602.1	672.8	750.2	805.1	869.8	917.0	931.5	893.0
97.5°	418.4	473.2	534.9	597.6	668.4	747.2	807.1	867.3	902.4	910.2	876.3
100°	417.6	469.9	529.5	593.7	664.7	745.0	809.4	866.5	889.1	889.9	860.2
102.5°	414.6	467.7	525.7	589.2	660.1	741.4	810.2	865.2	878.1	871.0	844.4
105°	412.8	465.2	521.6	584.1	654.6	736.3	809.3	863.6	870.3	853.9	828.8
107.5°	410.6	462.4	517.2	578.3	648.1	729.7	806.6	862.0	866.6	839.3	813.2
110°	408.1	459.4	512.4	572.0	640.5	721.4	801.8	860.5	867.9	827.5	794.8



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	404.9	454.8	504.8	559.8	622.3	694.3	766.9	819.4	829.6	783.6	753.0
115°	389.5	434.5	478.7	526.1	579.2	639.6	703.6	754.4	776.6	737.1	710.4
117.5°	374.2	414.5	453.2	493.2	537.3	586.6	641.7	688.1	709.6	689.2	665.5
120°	359.1	394.8	428.3	461.4	496.9	535.7	581.3	620.2	642.7	637.9	617.7
122.5°	344.1	375.5	404.0	430.8	458.4	488.6	523.3	554.8	576.5	582.6	567.0
125°	329.4	356.6	380.7	401.6	422.3	444.3	468.7	492.2	511.3	520.5	513.7
127.5°	314.9	338.3	358.2	374.0	388.5	402.8	417.6	432.8	446.4	454.0	455.1
130°	300.8	320.6	336.8	347.8	356.8	364.3	370.6	377.9	384.5	388.7	390.9
132.5°	287.0	303.5	316.2	323.2	327.4	329.0	328.7	328.2	331.3	341.4	353.6
135°	273.1	286.4	295.6	300.4	302.8	303.5	304.4	306.7	311.1	320.5	331.5
137.5°	250.3	263.6	272.5	278.6	282.3	283.8	285.4	287.0	292.0	299.1	308.9
140°	227.3	240.3	249.3	256.3	260.7	263.5	265.6	267.8	271.6	277.3	286.4
142.5°	204.3	216.6	225.9	233.6	238.5	242.5	245.1	247.8	250.8	256.1	262.7
145°	181.2	192.9	202.5	209.9	215.6	221.0	223.9	226.9	229.9	233.7	239.9
147.5°	158.0	169.1	178.9	185.9	192.2	197.4	201.8	205.2	208.4	211.6	216.2
150°	134.8	145.1	155.3	161.8	168.5	173.5	178.6	182.5	186.0	189.3	192.5
152.5°	111.9	121.1	130.4	137.5	143.4	148.8	154.0	158.8	162.5	165.9	169.2
155°	89.1	97.0	105.5	113.1	118.5	123.5	128.6	133.5	137.9	141.6	147.9
157.5°	67.0	73.8	82.5	90.9	97.8	104.1	110.4	117.1	123.6	130.0	136.0
160°	60.1	65.4	73.0	80.5	87.7	93.7	99.6	105.4	111.3	117.1	122.7
162.5°	53.0	57.6	63.5	70.0	76.4	82.5	88.0	93.3	98.7	103.8	108.7
165°	45.9	50.0	54.1	59.7	65.1	70.4	75.5	80.4	85.2	89.8	95.0
167.5°	38.8	42.2	45.6	49.3	53.8	58.2	62.4	66.6	70.6	74.7	78.7
170°	31.6	34.4	37.1	39.8	42.6	46.0	49.4	52.7	55.9	58.9	62.0
172.5°	24.3	26.4	28.5	30.6	32.6	34.5	36.5	39.0	41.3	43.6	45.8
175°	17.0	18.4	19.8	21.2	22.6	23.9	25.2	26.4	27.6	28.7	29.9
177.5°	9.6	10.3	11.0	11.7	12.4	13.1	13.7	14.4	15.0	15.6	16.1
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: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	16.6	17.1	17.6	18.1	18.5	18.9	19.2	19.6	19.8	20.1	20.3
5°	31.2	32.5	33.8	35.0	36.1	37.1	38.1	39.0	39.8	40.5	41.1
7.5°	47.9	49.9	51.7	53.5	55.3	57.3	59.2	60.9	62.6	64.1	65.5
10°	65.0	68.1	71.1	74.0	76.8	79.4	81.9	84.1	85.9	87.5	89.0
12.5°	82.6	86.3	89.9	93.0	95.9	98.7	101.3	103.7	106.0	108.6	111.4
15°	98.6	102.6	106.4	110.1	113.7	117.9	122.0	125.9	129.7	133.3	136.6
17.5°	113.5	118.7	123.2	128.2	133.1	138.0	142.4	146.4	150.2	153.9	157.5
20°	128.3	134.0	139.6	145.0	150.0	154.9	159.7	164.4	169.1	173.5	177.4
22.5°	142.1	148.1	153.8	159.4	165.1	171.5	177.6	183.3	188.3	192.2	195.2
25°	154.1	160.4	167.3	174.5	182.2	189.5	196.4	202.3	207.3	211.8	216.0
27.5°	172.3	176.3	182.3	191.3	201.0	209.9	218.8	225.3	231.9	237.4	241.8
30°	197.2	203.2	209.6	217.7	225.4	234.3	244.0	252.4	259.3	265.1	270.5
32.5°	222.4	229.6	238.3	247.1	256.4	265.3	273.2	280.7	288.3	295.5	302.0
35°	247.2	256.5	266.1	276.4	286.3	295.5	304.1	312.0	319.3	327.7	337.6
37.5°	272.4	282.5	293.7	304.7	315.3	325.2	334.4	343.6	353.7	364.4	376.0
40°	296.5	308.4	320.4	332.5	343.7	354.2	365.6	377.2	390.7	405.5	422.2
42.5°	320.9	333.6	347.1	359.6	371.2	384.3	397.5	413.5	431.3	452.9	476.2
45°	344.3	358.9	372.9	385.6	399.9	414.4	431.7	450.8	476.4	503.8	535.0
47.5°	368.1	383.9	397.6	412.4	428.3	445.8	466.3	493.2	524.2	558.0	601.5
50°	394.1	407.2	422.0	439.1	456.6	476.4	504.2	536.9	574.6	623.5	675.2
52.5°	453.4	453.4	457.6	464.9	483.9	510.4	542.8	581.8	634.6	691.8	753.0
55°	507.7	505.3	508.2	511.4	524.1	545.0	580.8	635.4	696.1	761.4	839.8
57.5°	557.8	553.6	552.2	555.0	570.1	596.1	636.3	690.1	757.6	837.6	924.6
60°	604.7	597.7	592.3	598.2	615.7	644.9	694.7	755.0	826.5	908.7	1002.0
62.5°	649.4	637.8	629.2	636.7	658.2	696.9	750.1	814.9	896.1	984.0	1084.6
65°	691.0	674.2	666.9	675.3	698.6	741.9	800.3	875.0	961.7	1059.8	1178.0
67.5°	729.7	707.3	701.1	711.8	740.0	785.7	847.5	927.3	1021.9	1141.4	1273.8
70°	765.9	738.7	732.2	744.8	775.7	824.5	892.6	979.1	1086.5	1216.4	1358.3
72.5°	786.5	766.2	763.2	776.8	807.0	859.7	930.6	1024.8	1149.4	1280.0	1410.6
75°	802.7	788.3	790.3	807.9	841.6	894.2	968.2	1067.9	1204.6	1327.6	1456.4
77.5°	820.4	811.0	816.8	837.2	874.0	929.9	1007.6	1114.9	1243.7	1365.5	1491.0
80°	839.5	834.2	842.8	864.8	903.5	960.9	1040.2	1151.0	1275.0	1401.4	1530.0
82.5°	859.7	857.8	868.3	890.9	930.4	987.6	1066.4	1176.9	1299.3	1429.9	1561.2
85°	880.8	881.6	893.4	915.8	955.0	1010.4	1087.0	1193.8	1316.5	1450.5	1584.0
87.5°	902.5	905.7	918.2	939.9	978.3	1031.2	1104.4	1205.7	1330.0	1467.2	1602.7
90°	924.7	929.6	942.1	962.2	998.3	1046.9	1114.2	1205.9	1329.4	1466.9	1603.0
92.5°	902.5	905.7	918.2	939.9	978.3	1031.2	1104.4	1205.7	1330.0	1467.2	1602.7
95°	880.8	881.6	893.4	915.8	955.0	1010.4	1087.0	1193.8	1316.5	1450.5	1584.0
97.5°	859.7	857.8	868.3	890.9	930.4	987.6	1066.4	1176.9	1299.3	1429.9	1561.2
100°	839.5	834.2	842.8	864.8	903.5	960.9	1040.2	1151.0	1275.0	1401.4	1530.0
102.5°	820.4	811.0	816.8	837.2	874.0	929.9	1007.6	1114.9	1243.7	1365.5	1491.0
105°	802.7	788.3	790.3	807.9	841.6	894.2	968.2	1067.9	1204.6	1327.6	1456.4
107.5°	786.5	766.2	763.2	776.8	807.0	859.7	930.6	1024.8	1149.4	1280.0	1410.6
110°	765.9	738.7	732.2	744.8	775.7	824.5	892.6	979.1	1086.5	1216.4	1358.3



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	729.7	707.3	701.1	711.8	740.0	785.7	847.5	927.3	1021.9	1141.4	1273.8
115°	691.0	674.2	666.9	675.3	698.6	741.9	800.3	875.0	961.7	1059.8	1178.0
117.5°	649.4	637.8	629.2	636.7	658.2	696.9	750.1	814.9	896.1	984.0	1084.6
120°	604.7	597.7	592.3	598.2	615.7	644.9	694.7	755.0	826.5	908.7	1002.0
122.5°	557.8	553.6	552.2	555.0	570.1	596.1	636.3	690.1	757.6	837.6	924.6
125°	507.7	505.3	508.2	511.4	524.1	545.0	580.8	635.4	696.1	761.4	839.8
127.5°	453.4	453.4	457.6	464.9	483.9	510.4	542.8	581.8	634.6	691.8	753.0
130°	394.1	407.2	422.0	439.1	456.6	476.4	504.2	536.9	574.6	623.5	675.2
132.5°	368.1	383.9	397.6	412.4	428.3	445.8	466.3	493.2	524.2	558.0	601.5
135°	344.3	358.9	372.9	385.6	399.9	414.4	431.7	450.8	476.4	503.8	535.0
137.5°	320.9	333.6	347.1	359.6	371.2	384.3	397.5	413.5	431.3	452.9	476.2
140°	296.5	308.4	320.4	332.5	343.7	354.2	365.6	377.2	390.7	405.5	422.2
142.5°	272.4	282.5	293.7	304.7	315.3	325.2	334.4	343.6	353.7	364.4	376.0
145°	247.2	256.5	266.1	276.4	286.3	295.5	304.1	312.0	319.3	327.7	337.6
147.5°	222.4	229.6	238.3	247.1	256.4	265.3	273.2	280.7	288.3	295.5	302.0
150°	197.2	203.2	209.6	217.7	225.4	234.3	244.0	252.4	259.3	265.1	270.5
152.5°	172.3	176.3	182.3	191.3	201.0	209.9	218.8	225.3	231.9	237.4	241.8
155°	154.1	160.4	167.3	174.5	182.2	189.5	196.4	202.3	207.3	211.8	216.0
157.5°	142.1	148.1	153.8	159.4	165.1	171.5	177.6	183.3	188.3	192.2	195.2
160°	128.3	134.0	139.6	145.0	150.0	154.9	159.7	164.4	169.1	173.5	177.4
162.5°	113.5	118.7	123.2	128.2	133.1	138.0	142.4	146.4	150.2	153.9	157.5
165°	98.6	102.6	106.4	110.1	113.7	117.9	122.0	125.9	129.7	133.3	136.6
167.5°	82.6	86.3	89.9	93.0	95.9	98.7	101.3	103.7	106.0	108.6	111.4
170°	65.0	68.1	71.1	74.0	76.8	79.4	81.9	84.1	85.9	87.5	89.0
172.5°	47.9	49.9	51.7	53.5	55.3	57.3	59.2	60.9	62.6	64.1	65.5
175°	31.2	32.5	33.8	35.0	36.1	37.1	38.1	39.0	39.8	40.5	41.1
177.5°	16.6	17.1	17.6	18.1	18.5	18.9	19.2	19.6	19.8	20.1	20.3
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: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	20.5	20.7	20.8	20.9	20.9	21.0	21.6	21.3	21.1	20.8	20.6
5°	41.7	42.2	42.6	42.9	43.1	43.2	43.3	43.2	43.7	43.2	42.7
7.5°	66.8	67.9	68.9	69.8	70.5	71.1	71.5	71.8	71.9	72.6	72.0
10°	90.4	91.6	92.6	93.5	94.2	94.7	95.1	95.3	95.3	96.0	95.2
12.5°	114.0	116.3	118.5	120.5	122.3	123.8	125.1	126.1	126.9	127.3	128.2
15°	139.4	141.9	144.2	146.4	148.3	149.9	151.3	152.5	153.4	154.0	155.0
17.5°	160.8	163.6	166.2	168.4	170.3	171.9	173.2	174.1	174.7	175.0	175.6
20°	181.0	183.7	185.0	185.9	186.2	186.1	185.5	184.6	183.4	181.9	180.3
22.5°	197.5	199.0	200.6	201.8	202.4	202.3	201.7	200.5	198.8	196.6	194.6
25°	219.4	221.8	223.4	224.6	225.0	224.8	223.9	222.3	220.1	217.4	214.1
27.5°	245.4	248.1	249.9	251.7	253.6	254.8	255.2	254.9	253.8	252.0	249.3
30°	275.0	279.5	283.3	286.4	291.9	296.8	300.9	304.1	306.4	307.6	307.6
32.5°	308.7	317.0	325.1	332.8	341.0	349.0	356.0	361.7	366.1	369.1	370.6
35°	347.5	359.7	372.1	383.7	395.3	409.4	421.9	432.9	442.0	449.2	454.1
37.5°	391.3	407.3	427.2	446.2	464.1	482.9	500.2	515.4	528.4	538.8	546.6
40°	442.9	465.5	490.9	516.2	540.0	565.5	592.4	616.6	637.7	655.4	669.4
42.5°	503.0	530.1	561.3	598.5	634.1	668.3	701.8	731.8	757.8	779.5	796.7
45°	568.2	608.7	647.2	692.2	736.3	781.8	822.6	862.8	896.3	923.2	943.3
47.5°	647.2	695.9	744.3	797.9	860.6	917.0	969.6	1017.5	1057.9	1090.6	1115.3
50°	731.4	790.4	861.6	931.5	1004.9	1071.5	1135.1	1200.4	1256.9	1303.8	1340.4
52.5°	824.9	902.8	985.0	1068.2	1161.3	1253.7	1334.7	1400.9	1463.0	1519.1	1567.3
55°	923.4	1012.7	1109.6	1219.5	1325.1	1415.9	1497.9	1572.2	1639.5	1699.8	1751.8
57.5°	1017.2	1125.3	1243.4	1358.2	1469.6	1553.8	1637.3	1713.4	1779.7	1841.5	1897.2
60°	1113.6	1237.6	1368.1	1483.5	1585.2	1670.9	1744.7	1817.9	1885.8	1947.5	2002.5
62.5°	1205.8	1352.2	1477.8	1590.6	1676.7	1759.1	1833.1	1902.9	1973.3	2037.3	2093.8
65°	1317.0	1447.9	1567.8	1661.0	1749.9	1833.6	1910.9	1984.3	2054.3	2119.2	2175.2
67.5°	1409.9	1533.4	1627.0	1721.1	1812.7	1897.9	1980.2	2058.2	2130.8	2196.2	2251.8
70°	1480.7	1590.9	1687.4	1776.5	1863.6	1953.8	2041.0	2122.7	2200.8	2266.4	2316.0
72.5°	1534.7	1643.7	1740.2	1826.1	1912.6	2000.2	2089.5	2174.0	2258.4	2337.1	2381.7
75°	1578.5	1685.3	1778.3	1866.9	1958.0	2042.8	2123.3	2213.7	2306.1	2389.1	2436.3
77.5°	1615.1	1719.6	1805.5	1899.9	1991.9	2077.9	2159.8	2243.1	2336.1	2416.8	2473.3
80°	1644.6	1739.1	1825.9	1922.9	2016.7	2106.4	2191.9	2278.3	2358.1	2438.1	2493.9
82.5°	1665.9	1756.5	1848.6	1942.0	2032.2	2120.9	2214.8	2307.8	2392.3	2467.5	2506.8
85°	1676.8	1767.9	1862.5	1954.6	2048.7	2140.5	2232.4	2324.9	2417.0	2482.0	2497.0
87.5°	1681.6	1772.5	1867.1	1956.7	2056.8	2151.4	2238.8	2331.3	2425.5	2498.3	2524.5
90°	1673.1	1769.6	1862.6	1948.7	2054.2	2150.0	2228.4	2319.4	2409.6	2503.4	2536.7
92.5°	1681.6	1772.5	1867.1	1956.7	2056.8	2151.4	2238.8	2331.3	2425.5	2498.3	2524.5
95°	1676.8	1767.9	1862.5	1954.6	2048.7	2140.5	2232.4	2324.9	2417.0	2482.0	2497.0
97.5°	1665.9	1756.5	1848.6	1942.0	2032.2	2120.9	2214.8	2307.8	2392.3	2467.5	2506.8
100°	1644.6	1739.1	1825.9	1922.9	2016.7	2106.4	2191.9	2278.3	2358.1	2438.1	2493.9
102.5°	1615.1	1719.6	1805.5	1899.9	1991.9	2077.9	2159.8	2243.1	2336.1	2416.8	2473.3
105°	1578.5	1685.3	1778.3	1866.9	1958.0	2042.8	2123.3	2213.7	2306.1	2389.1	2436.3
107.5°	1534.7	1643.7	1740.2	1826.1	1912.6	2000.2	2089.5	2174.0	2258.4	2337.1	2381.7
110°	1480.7	1590.9	1687.4	1776.5	1863.6	1953.8	2041.0	2122.7	2200.8	2266.4	2316.0



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1409.9	1533.4	1627.0	1721.1	1812.7	1897.9	1980.2	2058.2	2130.8	2196.2	2251.8
115°	1317.0	1447.9	1567.8	1661.0	1749.9	1833.6	1910.9	1984.3	2054.3	2119.2	2175.2
117.5°	1205.8	1352.2	1477.8	1590.6	1676.7	1759.1	1833.1	1902.9	1973.3	2037.3	2093.8
120°	1113.6	1237.6	1368.1	1483.5	1585.2	1670.9	1744.7	1817.9	1885.8	1947.5	2002.5
122.5°	1017.2	1125.3	1243.4	1358.2	1469.6	1553.8	1637.3	1713.4	1779.7	1841.5	1897.2
125°	923.4	1012.7	1109.6	1219.5	1325.1	1415.9	1497.9	1572.2	1639.5	1699.8	1751.8
127.5°	824.9	902.8	985.0	1068.2	1161.3	1253.7	1334.7	1400.9	1463.0	1519.1	1567.3
130°	731.4	790.4	861.6	931.5	1004.9	1071.5	1135.1	1200.4	1256.9	1303.8	1340.4
132.5°	647.2	695.9	744.3	797.9	860.6	917.0	969.6	1017.5	1057.9	1090.6	1115.3
135°	568.2	608.7	647.2	692.2	736.3	781.8	822.6	862.8	896.3	923.2	943.3
137.5°	503.0	530.1	561.3	598.5	634.1	668.3	701.8	731.8	757.8	779.5	796.7
140°	442.9	465.5	490.9	516.2	540.0	565.5	592.4	616.6	637.7	655.4	669.4
142.5°	391.3	407.3	427.2	446.2	464.1	482.9	500.2	515.4	528.4	538.8	546.6
145°	347.5	359.7	372.1	383.7	395.3	409.4	421.9	432.9	442.0	449.2	454.1
147.5°	308.7	317.0	325.1	332.8	341.0	349.0	356.0	361.7	366.1	369.1	370.6
150°	275.0	279.5	283.3	286.4	291.9	296.8	300.9	304.1	306.4	307.6	307.6
152.5°	245.4	248.1	249.9	251.7	253.6	254.8	255.2	254.9	253.8	252.0	249.3
155°	219.4	221.8	223.4	224.6	225.0	224.8	223.9	222.3	220.1	217.4	214.1
157.5°	197.5	199.0	200.6	201.8	202.4	202.3	201.7	200.5	198.8	196.6	194.6
160°	181.0	183.7	185.0	185.9	186.2	186.1	185.5	184.6	183.4	181.9	180.3
162.5°	160.8	163.6	166.2	168.4	170.3	171.9	173.2	174.1	174.7	175.0	175.6
165°	139.4	141.9	144.2	146.4	148.3	149.9	151.3	152.5	153.4	154.0	155.0
167.5°	114.0	116.3	118.5	120.5	122.3	123.8	125.1	126.1	126.9	127.3	128.2
170°	90.4	91.6	92.6	93.5	94.2	94.7	95.1	95.3	95.3	96.0	95.2
172.5°	66.8	67.9	68.9	69.8	70.5	71.1	71.5	71.8	71.9	72.6	72.0
175°	41.7	42.2	42.6	42.9	43.1	43.2	43.3	43.2	43.7	43.2	42.7
177.5°	20.5	20.7	20.8	20.9	20.9	21.0	21.6	21.3	21.1	20.8	20.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	2.1	2.1
2.5°	20.3	20.1
5°	42.2	41.7
7.5°	71.4	70.8
10°	94.5	93.7
12.5°	127.6	127.0
15°	154.5	154.1
17.5°	174.9	174.2
20°	178.3	176.3
22.5°	191.4	188.1
25°	210.6	206.2
27.5°	246.3	241.6
30°	307.0	303.4
32.5°	371.4	368.6
35°	458.0	456.8
37.5°	553.1	553.3
40°	681.5	684.5
42.5°	811.7	816.4
45°	960.0	963.6
47.5°	1136.0	1139.9
50°	1372.0	1379.4
52.5°	1612.3	1631.4
55°	1800.2	1825.8
57.5°	1950.5	1984.1
60°	2054.3	2090.3
62.5°	2142.5	2183.3
65°	2222.6	2261.8
67.5°	2297.7	2334.7
70°	2354.2	2383.3
72.5°	2408.8	2423.5
75°	2453.2	2460.3
77.5°	2484.1	2488.1
80°	2509.2	2503.4
82.5°	2529.8	2527.0
85°	2536.7	2567.9
87.5°	2519.4	2561.7
90°	2524.9	2522.8
92.5°	2519.4	2561.7
95°	2536.7	2567.9
97.5°	2529.8	2527.0
100°	2509.2	2503.4
102.5°	2484.1	2488.1
105°	2453.2	2460.3
107.5°	2408.8	2423.5
110°	2354.2	2383.3





TEST NUMBER: P232004

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2297.7	2334.7
115°	2222.6	2261.8
117.5°	2142.5	2183.3
120°	2054.3	2090.3
122.5°	1950.5	1984.1
125°	1800.2	1825.8
127.5°	1612.3	1631.4
130°	1372.0	1379.4
132.5°	1136.0	1139.9
135°	960.0	963.6
137.5°	811.7	816.4
140°	681.5	684.5
142.5°	553.1	553.3
145°	458.0	456.8
147.5°	371.4	368.6
150°	307.0	303.4
152.5°	246.3	241.6
155°	210.6	206.2
157.5°	191.4	188.1
160°	178.3	176.3
162.5°	174.9	174.2
165°	154.5	154.1
167.5°	127.6	127.0
170°	94.5	93.7
172.5°	71.4	70.8
175°	42.2	41.7
177.5°	20.3	20.1
180°	2.0	2.0

(END OF REPORT)