

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: P232076

Luminaire Tested: **FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-30)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

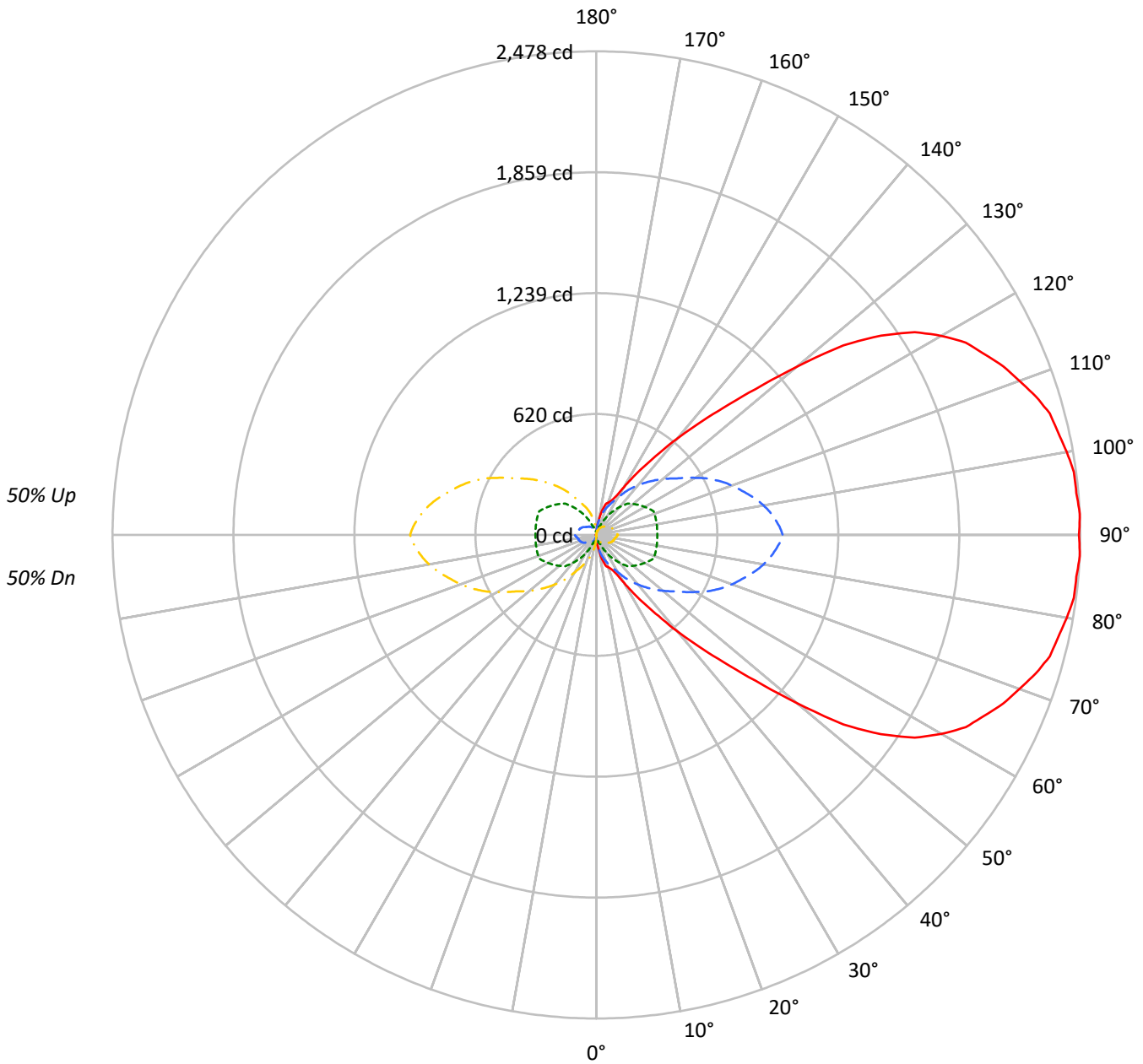
Lumens per Lamp: N/A  
Luminaire Lumens: 5572.4 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 28.99 / 18.32 / 19.49  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 56.8  
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

TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1

### Luminous Intensity Polar Plot



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



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1

**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	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	33	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	24	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	31	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°	16	16	16	16
5°	700	227	0	227
10°	1378	439	0	439
15°	2065	658	0	658
20°	2274	887	0	887
25°	2462	1427	0	1427
30°	3275	2318	0	2318
35°	4796	3299	0	3299
40°	6895	4406	0	4406
45°	9612	5687	8	5687
50°	13722	6691	8	6691
55°	18072	7934	8	7934
60°	20660	9519	8	9519
65°	22318	11623	8	11623
70°	23785	14067	17	14067
75°	25320	17118	17	17118
80°	26527	22132	0	22132
85°	27794	31733	0	31733



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	0.0
10°-20°	18.1	0.3
20°-30°	48.4	0.9
30°-40°	111.5	2.0
40°-50°	218.6	3.9
50°-60°	389.5	7.0
60°-70°	565.5	10.1
70°-80°	686.3	12.3
80°-90°	745.9	13.4
90°-100°	745.9	13.4
100°-110°	686.3	12.3
110°-120°	565.5	10.1
120°-130°	389.5	7.0
130°-140°	218.6	3.9
140°-150°	111.5	2.0
150°-160°	48.4	0.9
160°-170°	18.1	0.3
170°-180°	2.5	0.0
0°-30°	69.0	1.2
0°-40°	180.5	3.2
0°-60°	788.5	14.1
0°-90°	2786.2	50.0
90°-120°	1997.7	35.9
90°-150°	2717.2	48.8
90°-180°	2786.0	50.0
0°-180°	5572.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	41	12	0	12	41	5
15°	147	33	0	33	147	41
25°	202	69	0	69	202	99
35°	432	148	0	148	432	283
45°	921	226	1	226	921	741
55°	1780	267	1	267	1780	1575
65°	2192	307	1	307	2192	2174
75°	2404	315	2	315	2404	2530
85°	2468	313	0	313	2468	2014
90°	2472	311	0	311	2472	1357
95°	2468	313	0	313	2468	2014
105°	2404	315	2	315	2404	2530
115°	2192	307	1	307	2192	2174
125°	1780	267	1	267	1780	1575
135°	921	226	1	226	921	741
145°	432	148	0	148	432	283
155°	202	69	0	69	202	99
165°	147	33	0	33	147	41
175°	41	12	0	12	41	5
180°	0	0	0	0	0	



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	17.5	17.7	18.0	18.2	18.4	18.7	18.9	18.4	18.3	18.3	18.2
5°	40.6	41.1	41.5	42.0	42.4	41.8	41.7	41.6	41.4	41.1	40.7
7.5°	66.1	66.7	67.3	67.9	67.4	67.4	67.2	66.9	66.4	65.8	65.1
10°	89.2	89.9	90.6	91.4	90.7	90.6	90.4	90.0	89.4	88.7	87.8
12.5°	117.1	117.7	118.4	117.8	117.5	117.0	116.3	115.3	114.1	112.8	111.2
15°	146.6	146.9	147.2	146.0	145.2	144.2	142.8	141.2	139.4	137.4	135.1
17.5°	168.9	169.3	169.8	168.8	168.2	167.2	165.9	164.3	162.4	160.2	157.6
20°	174.4	175.9	177.4	178.3	179.2	179.8	180.1	180.0	179.6	178.6	177.2
22.5°	185.6	188.3	190.9	192.5	194.1	195.3	196.0	196.2	195.8	194.9	193.3
25°	201.5	205.5	208.7	211.6	214.0	215.9	217.1	217.6	217.4	216.4	214.6
27.5°	229.4	234.0	237.3	240.3	242.5	244.0	244.8	244.9	244.2	242.8	241.0
30°	282.8	287.0	288.6	289.6	289.4	288.2	286.0	282.8	278.7	273.8	271.4
32.5°	352.1	354.9	354.1	352.5	349.5	345.2	339.7	333.1	325.7	318.3	311.5
35°	432.5	433.6	430.0	425.5	419.1	411.1	401.6	390.8	378.9	368.2	357.4
37.5°	524.1	523.6	517.2	509.7	499.6	487.2	472.6	456.2	438.7	423.3	407.3
40°	643.6	640.5	629.0	616.0	599.5	580.0	557.8	533.2	509.5	487.0	463.2
42.5°	772.6	768.6	754.3	737.8	716.5	690.7	660.6	626.4	594.5	562.1	528.4
45°	920.8	914.3	895.2	873.6	846.7	814.8	778.4	743.0	696.7	651.3	605.0
47.5°	1105.6	1095.9	1069.3	1039.1	1001.7	957.6	907.4	856.2	807.2	754.9	702.4
50°	1338.2	1325.1	1288.6	1247.1	1195.4	1134.4	1064.6	998.2	931.2	860.3	800.2
52.5°	1595.4	1574.7	1526.4	1473.5	1410.2	1338.1	1258.5	1172.9	1078.8	986.9	906.7
55°	1780.2	1752.6	1703.5	1651.1	1591.2	1525.0	1449.0	1351.3	1244.9	1135.4	1025.3
57.5°	1933.2	1898.8	1845.0	1788.5	1725.6	1657.6	1581.3	1498.8	1410.7	1283.1	1158.5
60°	2039.9	2003.5	1951.1	1895.2	1832.4	1763.0	1689.5	1615.2	1526.8	1417.2	1289.9
62.5°	2133.1	2092.1	2043.1	1986.2	1921.5	1850.3	1781.3	1709.7	1626.0	1534.7	1407.1
65°	2192.0	2158.8	2117.7	2066.6	2003.9	1934.3	1861.6	1784.3	1704.3	1615.9	1514.0
67.5°	2256.6	2226.4	2188.0	2140.2	2082.5	2012.1	1934.7	1852.5	1765.7	1678.9	1585.0
70°	2305.9	2285.7	2255.6	2212.2	2149.5	2076.3	1998.2	1912.0	1822.1	1731.2	1645.5
72.5°	2360.1	2344.1	2318.5	2282.0	2213.0	2129.7	2048.3	1960.6	1872.2	1783.3	1693.8
75°	2403.9	2391.4	2370.2	2326.4	2252.1	2169.6	2084.0	2004.7	1915.7	1823.7	1732.6
77.5°	2422.2	2421.2	2410.1	2365.1	2293.3	2198.0	2118.5	2038.6	1950.7	1854.1	1759.9
80°	2446.1	2443.1	2431.4	2400.2	2333.6	2240.6	2148.0	2065.9	1976.6	1876.0	1778.1
82.5°	2466.8	2458.5	2445.2	2417.1	2357.7	2262.0	2167.2	2078.6	1991.0	1897.1	1799.4
85°	2467.6	2475.5	2460.8	2429.7	2367.2	2268.6	2177.3	2091.5	2004.0	1911.7	1813.0
87.5°	2478.0	2480.9	2462.4	2436.8	2381.8	2281.5	2187.7	2094.1	2007.0	1914.7	1817.9
90°	2472.4	2477.2	2449.3	2435.0	2378.4	2274.1	2185.7	2084.5	1999.3	1906.9	1813.7
92.5°	2478.0	2480.9	2462.4	2436.8	2381.8	2281.5	2187.7	2094.1	2007.0	1914.7	1817.9
95°	2467.6	2475.5	2460.8	2429.7	2367.2	2268.6	2177.3	2091.5	2004.0	1911.7	1813.0
97.5°	2466.8	2458.5	2445.2	2417.1	2357.7	2262.0	2167.2	2078.6	1991.0	1897.1	1799.4
100°	2446.1	2443.1	2431.4	2400.2	2333.6	2240.6	2148.0	2065.9	1976.6	1876.0	1778.1
102.5°	2422.2	2421.2	2410.1	2365.1	2293.3	2198.0	2118.5	2038.6	1950.7	1854.1	1759.9
105°	2403.9	2391.4	2370.2	2326.4	2252.1	2169.6	2084.0	2004.7	1915.7	1823.7	1732.6
107.5°	2360.1	2344.1	2318.5	2282.0	2213.0	2129.7	2048.3	1960.6	1872.2	1783.3	1693.8
110°	2305.9	2285.7	2255.6	2212.2	2149.5	2076.3	1998.2	1912.0	1822.1	1731.2	1645.5



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	2256.6	2226.4	2188.0	2140.2	2082.5	2012.1	1934.7	1852.5	1765.7	1678.9	1585.0
115°	2192.0	2158.8	2117.7	2066.6	2003.9	1934.3	1861.6	1784.3	1704.3	1615.9	1514.0
117.5°	2133.1	2092.1	2043.1	1986.2	1921.5	1850.3	1781.3	1709.7	1626.0	1534.7	1407.1
120°	2039.9	2003.5	1951.1	1895.2	1832.4	1763.0	1689.5	1615.2	1526.8	1417.2	1289.9
122.5°	1933.2	1898.8	1845.0	1788.5	1725.6	1657.6	1581.3	1498.8	1410.7	1283.1	1158.5
125°	1780.2	1752.6	1703.5	1651.1	1591.2	1525.0	1449.0	1351.3	1244.9	1135.4	1025.3
127.5°	1595.4	1574.7	1526.4	1473.5	1410.2	1338.1	1258.5	1172.9	1078.8	986.9	906.7
130°	1338.2	1325.1	1288.6	1247.1	1195.4	1134.4	1064.6	998.2	931.2	860.3	800.2
132.5°	1105.6	1095.9	1069.3	1039.1	1001.7	957.6	907.4	856.2	807.2	754.9	702.4
135°	920.8	914.3	895.2	873.6	846.7	814.8	778.4	743.0	696.7	651.3	605.0
137.5°	772.6	768.6	754.3	737.8	716.5	690.7	660.6	626.4	594.5	562.1	528.4
140°	643.6	640.5	629.0	616.0	599.5	580.0	557.8	533.2	509.5	487.0	463.2
142.5°	524.1	523.6	517.2	509.7	499.6	487.2	472.6	456.2	438.7	423.3	407.3
145°	432.5	433.6	430.0	425.5	419.1	411.1	401.6	390.8	378.9	368.2	357.4
147.5°	352.1	354.9	354.1	352.5	349.5	345.2	339.7	333.1	325.7	318.3	311.5
150°	282.8	287.0	288.6	289.6	289.4	288.2	286.0	282.8	278.7	273.8	271.4
152.5°	229.4	234.0	237.3	240.3	242.5	244.0	244.8	244.9	244.2	242.8	241.0
155°	201.5	205.5	208.7	211.6	214.0	215.9	217.1	217.6	217.4	216.4	214.6
157.5°	185.6	188.3	190.9	192.5	194.1	195.3	196.0	196.2	195.8	194.9	193.3
160°	174.4	175.9	177.4	178.3	179.2	179.8	180.1	180.0	179.6	178.6	177.2
162.5°	168.9	169.3	169.8	168.8	168.2	167.2	165.9	164.3	162.4	160.2	157.6
165°	146.6	146.9	147.2	146.0	145.2	144.2	142.8	141.2	139.4	137.4	135.1
167.5°	117.1	117.7	118.4	117.8	117.5	117.0	116.3	115.3	114.1	112.8	111.2
170°	89.2	89.9	90.6	91.4	90.7	90.6	90.4	90.0	89.4	88.7	87.8
172.5°	66.1	66.7	67.3	67.9	67.4	67.4	67.2	66.9	66.4	65.8	65.1
175°	40.6	41.1	41.5	42.0	42.4	41.8	41.7	41.6	41.4	41.1	40.7
177.5°	17.5	17.7	18.0	18.2	18.4	18.7	18.9	18.4	18.3	18.3	18.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	18.1	18.0	17.8	17.6	17.3	17.1	16.8	16.4	16.1	15.7	15.2
5°	40.2	39.7	39.0	38.3	37.5	36.6	35.6	34.6	33.5	32.3	31.0
7.5°	64.2	63.2	62.1	60.8	59.4	57.9	56.3	54.6	52.8	50.9	49.0
10°	86.8	85.6	84.3	82.8	81.2	79.5	77.5	75.1	72.7	70.1	67.4
12.5°	109.4	107.5	105.4	103.1	100.8	98.6	96.2	93.7	91.1	88.3	85.4
15°	132.7	130.2	127.4	124.6	121.5	118.4	115.1	111.6	108.1	104.7	101.2
17.5°	154.7	151.6	148.2	144.6	141.0	137.2	133.4	129.4	125.3	121.0	116.7
20°	175.3	172.2	168.2	164.0	159.4	154.4	149.7	145.3	140.8	136.3	131.5
22.5°	191.4	189.2	186.3	182.7	178.4	173.0	167.1	160.8	154.4	149.3	144.4
25°	212.7	209.9	206.3	201.9	197.0	191.6	185.3	178.1	170.8	163.0	155.9
27.5°	238.6	235.2	230.8	225.6	220.0	213.3	206.7	197.6	188.5	178.9	170.0
30°	268.2	264.2	260.1	253.6	246.7	238.4	230.0	220.3	211.3	203.4	195.3
32.5°	304.0	295.9	289.6	283.4	276.4	267.7	258.3	248.7	239.7	230.3	221.6
35°	346.2	335.3	325.4	315.2	305.8	297.4	288.5	278.0	267.1	256.8	246.6
37.5°	390.8	376.8	363.5	352.0	338.9	326.6	316.0	305.8	294.5	282.7	271.3
40°	440.0	421.3	403.7	388.2	373.3	358.7	345.0	331.9	320.4	308.2	295.4
42.5°	499.3	473.3	448.5	428.6	410.0	391.9	374.8	359.8	345.1	332.3	319.1
45°	569.3	532.1	501.0	471.9	447.7	425.5	406.2	387.4	371.2	355.6	341.7
47.5°	650.3	600.9	559.4	520.0	489.0	461.3	437.6	416.6	396.7	379.6	363.6
50°	738.8	680.4	623.7	576.3	532.8	498.9	469.9	445.1	423.3	403.1	385.2
52.5°	828.3	760.5	694.8	635.5	583.5	537.0	502.8	474.1	450.1	426.7	416.5
55°	929.7	841.6	766.5	695.7	635.3	581.7	534.4	503.6	483.8	469.1	460.4
57.5°	1039.8	931.2	838.5	758.1	685.5	626.7	580.2	544.9	521.7	507.2	499.6
60°	1152.7	1027.0	913.8	818.5	744.1	681.3	629.3	584.8	558.6	542.3	534.9
62.5°	1266.4	1119.6	996.3	894.9	807.9	733.5	676.4	628.7	592.9	573.1	566.1
65°	1370.8	1224.7	1085.9	969.9	873.1	789.5	719.7	667.4	626.2	604.0	596.2
67.5°	1472.2	1321.6	1176.5	1044.7	933.2	840.2	762.7	705.4	661.6	633.4	623.0
70°	1538.0	1401.6	1259.1	1111.4	992.1	891.8	806.6	739.5	692.7	660.0	646.6
72.5°	1599.5	1462.6	1315.5	1173.6	1044.0	936.5	845.2	771.4	720.5	686.7	671.8
75°	1638.2	1518.1	1360.3	1221.9	1085.5	975.9	882.8	804.8	751.0	714.6	695.2
77.5°	1671.7	1564.6	1396.7	1259.1	1128.4	1016.0	920.9	839.5	779.6	740.7	717.9
80°	1691.3	1589.4	1441.8	1291.9	1163.3	1047.9	953.2	870.0	805.6	765.1	740.0
82.5°	1708.2	1610.4	1472.5	1315.4	1188.6	1072.0	980.0	896.5	829.2	787.9	761.4
85°	1717.8	1625.6	1489.5	1329.9	1204.9	1089.1	1001.7	919.1	850.5	809.2	782.3
87.5°	1720.0	1638.4	1498.8	1339.6	1216.2	1102.4	1020.6	939.8	870.6	829.8	802.9
90°	1714.9	1631.3	1485.5	1333.4	1213.9	1106.4	1031.5	954.2	887.3	848.3	822.8
92.5°	1720.0	1638.4	1498.8	1339.6	1216.2	1102.4	1020.6	939.8	870.6	829.8	802.9
95°	1717.8	1625.6	1489.5	1329.9	1204.9	1089.1	1001.7	919.1	850.5	809.2	782.3
97.5°	1708.2	1610.4	1472.5	1315.4	1188.6	1072.0	980.0	896.5	829.2	787.9	761.4
100°	1691.3	1589.4	1441.8	1291.9	1163.3	1047.9	953.2	870.0	805.6	765.1	740.0
102.5°	1671.7	1564.6	1396.7	1259.1	1128.4	1016.0	920.9	839.5	779.6	740.7	717.9
105°	1638.2	1518.1	1360.3	1221.9	1085.5	975.9	882.8	804.8	751.0	714.6	695.2
107.5°	1599.5	1462.6	1315.5	1173.6	1044.0	936.5	845.2	771.4	720.5	686.7	671.8
110°	1538.0	1401.6	1259.1	1111.4	992.1	891.8	806.6	739.5	692.7	660.0	646.6





TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	1472.2	1321.6	1176.5	1044.7	933.2	840.2	762.7	705.4	661.6	633.4	623.0
115°	1370.8	1224.7	1085.9	969.9	873.1	789.5	719.7	667.4	626.2	604.0	596.2
117.5°	1266.4	1119.6	996.3	894.9	807.9	733.5	676.4	628.7	592.9	573.1	566.1
120°	1152.7	1027.0	913.8	818.5	744.1	681.3	629.3	584.8	558.6	542.3	534.9
122.5°	1039.8	931.2	838.5	758.1	685.5	626.7	580.2	544.9	521.7	507.2	499.6
125°	929.7	841.6	766.5	695.7	635.3	581.7	534.4	503.6	483.8	469.1	460.4
127.5°	828.3	760.5	694.8	635.5	583.5	537.0	502.8	474.1	450.1	426.7	416.5
130°	738.8	680.4	623.7	576.3	532.8	498.9	469.9	445.1	423.3	403.1	385.2
132.5°	650.3	600.9	559.4	520.0	489.0	461.3	437.6	416.6	396.7	379.6	363.6
135°	569.3	532.1	501.0	471.9	447.7	425.5	406.2	387.4	371.2	355.6	341.7
137.5°	499.3	473.3	448.5	428.6	410.0	391.9	374.8	359.8	345.1	332.3	319.1
140°	440.0	421.3	403.7	388.2	373.3	358.7	345.0	331.9	320.4	308.2	295.4
142.5°	390.8	376.8	363.5	352.0	338.9	326.6	316.0	305.8	294.5	282.7	271.3
145°	346.2	335.3	325.4	315.2	305.8	297.4	288.5	278.0	267.1	256.8	246.6
147.5°	304.0	295.9	289.6	283.4	276.4	267.7	258.3	248.7	239.7	230.3	221.6
150°	268.2	264.2	260.1	253.6	246.7	238.4	230.0	220.3	211.3	203.4	195.3
152.5°	238.6	235.2	230.8	225.6	220.0	213.3	206.7	197.6	188.5	178.9	170.0
155°	212.7	209.9	206.3	201.9	197.0	191.6	185.3	178.1	170.8	163.0	155.9
157.5°	191.4	189.2	186.3	182.7	178.4	173.0	167.1	160.8	154.4	149.3	144.4
160°	175.3	172.2	168.2	164.0	159.4	154.4	149.7	145.3	140.8	136.3	131.5
162.5°	154.7	151.6	148.2	144.6	141.0	137.2	133.4	129.4	125.3	121.0	116.7
165°	132.7	130.2	127.4	124.6	121.5	118.4	115.1	111.6	108.1	104.7	101.2
167.5°	109.4	107.5	105.4	103.1	100.8	98.6	96.2	93.7	91.1	88.3	85.4
170°	86.8	85.6	84.3	82.8	81.2	79.5	77.5	75.1	72.7	70.1	67.4
172.5°	64.2	63.2	62.1	60.8	59.4	57.9	56.3	54.6	52.8	50.9	49.0
175°	40.2	39.7	39.0	38.3	37.5	36.6	35.6	34.6	33.5	32.3	31.0
177.5°	18.1	18.0	17.8	17.6	17.3	17.1	16.8	16.4	16.1	15.7	15.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	14.8	14.3	13.8	13.3	12.8	12.2	11.6	11.0	10.3	9.7	9.0
5°	29.7	28.3	26.9	25.8	24.7	23.5	22.4	21.1	19.9	18.6	17.2
7.5°	47.1	45.0	42.8	40.5	38.2	35.8	33.3	31.3	29.4	27.4	25.4
10°	64.6	61.6	58.7	55.6	52.5	49.2	45.9	42.5	39.1	36.3	33.6
12.5°	82.0	78.3	74.5	70.6	66.6	62.6	58.5	54.2	49.9	45.5	41.8
15°	97.6	93.9	90.6	85.4	80.7	75.8	70.8	65.8	60.7	55.4	50.1
17.5°	112.8	108.0	103.6	99.1	94.3	88.7	83.0	77.2	71.3	65.2	59.1
20°	126.6	121.6	116.6	111.5	106.4	101.1	94.8	88.3	81.7	74.9	67.9
22.5°	139.6	134.3	128.8	123.4	117.8	112.0	106.1	99.1	91.9	84.4	76.7
25°	150.2	145.2	140.0	134.2	130.7	126.8	122.6	117.9	111.8	105.3	98.1
27.5°	164.0	160.7	158.7	156.4	153.0	149.4	145.3	141.0	135.3	128.6	121.2
30°	189.0	183.1	179.1	177.0	174.4	170.9	167.2	163.0	158.9	151.5	144.3
32.5°	213.1	206.2	200.3	196.5	194.4	191.6	188.1	184.2	180.1	174.0	166.5
35°	237.3	228.5	221.8	216.2	213.4	211.4	208.2	205.0	201.0	196.1	188.6
37.5°	260.4	250.9	242.1	236.4	231.9	229.9	227.7	224.6	221.2	217.7	210.4
40°	283.5	271.9	262.9	255.1	250.6	247.7	246.3	243.8	240.9	238.0	231.8
42.5°	305.7	293.5	282.2	274.0	268.5	265.0	264.0	262.4	260.0	257.8	253.0
45°	327.7	313.9	301.8	292.2	285.1	282.4	281.1	280.5	278.7	277.1	273.9
47.5°	348.5	334.2	321.0	309.6	302.2	301.8	304.7	306.0	304.0	300.3	295.3
50°	369.1	355.8	353.3	353.8	354.3	352.3	348.2	343.3	335.8	326.7	317.4
52.5°	410.7	408.5	408.9	411.8	414.4	407.6	396.3	383.7	370.0	354.6	340.3
55°	456.7	457.4	460.9	466.6	475.0	465.9	448.3	427.1	406.3	384.4	364.3
57.5°	498.3	502.1	509.3	518.7	530.8	526.5	503.8	473.2	444.7	416.0	389.4
60°	535.3	543.1	554.5	568.2	584.1	589.3	562.5	521.9	485.3	449.0	415.5
62.5°	569.6	580.8	596.7	615.0	635.2	654.0	623.0	574.0	527.6	483.2	442.3
65°	600.7	615.0	635.9	659.5	684.4	711.9	683.2	628.1	571.4	518.5	469.8
67.5°	628.3	646.1	672.6	701.9	732.1	764.6	744.6	683.9	616.4	554.6	497.9
70°	653.5	675.6	707.3	740.5	769.8	796.6	778.2	711.1	635.0	566.8	504.6
72.5°	675.1	692.3	720.6	753.1	780.1	798.4	783.8	718.9	642.3	572.8	507.9
75°	692.8	705.0	731.5	766.1	792.8	803.4	788.6	725.2	648.8	578.3	510.7
77.5°	711.6	718.9	742.6	779.6	807.6	811.0	792.5	730.1	654.4	583.3	513.1
80°	731.2	733.8	754.1	793.5	824.1	820.5	795.7	733.5	659.0	587.7	515.0
82.5°	751.4	749.6	766.0	808.1	841.8	831.4	797.9	735.6	662.8	591.6	518.5
85°	772.0	766.1	778.7	823.4	860.3	844.5	801.2	738.5	667.4	596.3	518.5
87.5°	792.9	783.0	791.7	838.9	879.3	855.2	800.0	736.9	668.3	597.6	518.5
90°	813.3	800.5	806.9	856.3	897.7	865.8	798.9	735.2	669.1	599.0	518.5
92.5°	792.9	783.0	791.7	838.9	879.3	855.2	800.0	736.9	668.3	597.6	518.5
95°	772.0	766.1	778.7	823.4	860.3	844.5	801.2	738.5	667.4	596.3	518.5
97.5°	751.4	749.6	766.0	808.1	841.8	831.4	797.9	735.6	662.8	591.6	518.5
100°	731.2	733.8	754.1	793.5	824.1	820.5	795.7	733.5	659.0	587.7	515.0
102.5°	711.6	718.9	742.6	779.6	807.6	811.0	792.5	730.1	654.4	583.3	513.1
105°	692.8	705.0	731.5	766.1	792.8	803.4	788.6	725.2	648.8	578.3	510.7
107.5°	675.1	692.3	720.6	753.1	780.1	798.4	783.8	718.9	642.3	572.8	507.9
110°	653.5	675.6	707.3	740.5	769.8	796.6	778.2	711.1	635.0	566.8	504.6



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	628.3	646.1	672.6	701.9	732.1	764.6	744.6	683.9	616.4	554.6	497.9
115°	600.7	615.0	635.9	659.5	684.4	711.9	683.2	628.1	571.4	518.5	469.8
117.5°	569.6	580.8	596.7	615.0	635.2	654.0	623.0	574.0	527.6	483.2	442.3
120°	535.3	543.1	554.5	568.2	584.1	589.3	562.5	521.9	485.3	449.0	415.5
122.5°	498.3	502.1	509.3	518.7	530.8	526.5	503.8	473.2	444.7	416.0	389.4
125°	456.7	457.4	460.9	466.6	475.0	465.9	448.3	427.1	406.3	384.4	364.3
127.5°	410.7	408.5	408.9	411.8	414.4	407.6	396.3	383.7	370.0	354.6	340.3
130°	369.1	355.8	353.3	353.8	354.3	352.3	348.2	343.3	335.8	326.7	317.4
132.5°	348.5	334.2	321.0	309.6	302.2	301.8	304.7	306.0	304.0	300.3	295.3
135°	327.7	313.9	301.8	292.2	285.1	282.4	281.1	280.5	278.7	277.1	273.9
137.5°	305.7	293.5	282.2	274.0	268.5	265.0	264.0	262.4	260.0	257.8	253.0
140°	283.5	271.9	262.9	255.1	250.6	247.7	246.3	243.8	240.9	238.0	231.8
142.5°	260.4	250.9	242.1	236.4	231.9	229.9	227.7	224.6	221.2	217.7	210.4
145°	237.3	228.5	221.8	216.2	213.4	211.4	208.2	205.0	201.0	196.1	188.6
147.5°	213.1	206.2	200.3	196.5	194.4	191.6	188.1	184.2	180.1	174.0	166.5
150°	189.0	183.1	179.1	177.0	174.4	170.9	167.2	163.0	158.9	151.5	144.3
152.5°	164.0	160.7	158.7	156.4	153.0	149.4	145.3	141.0	135.3	128.6	121.2
155°	150.2	145.2	140.0	134.2	130.7	126.8	122.6	117.9	111.8	105.3	98.1
157.5°	139.6	134.3	128.8	123.4	117.8	112.0	106.1	99.1	91.9	84.4	76.7
160°	126.6	121.6	116.6	111.5	106.4	101.1	94.8	88.3	81.7	74.9	67.9
162.5°	112.8	108.0	103.6	99.1	94.3	88.7	83.0	77.2	71.3	65.2	59.1
165°	97.6	93.9	90.6	85.4	80.7	75.8	70.8	65.8	60.7	55.4	50.1
167.5°	82.0	78.3	74.5	70.6	66.6	62.6	58.5	54.2	49.9	45.5	41.8
170°	64.6	61.6	58.7	55.6	52.5	49.2	45.9	42.5	39.1	36.3	33.6
172.5°	47.1	45.0	42.8	40.5	38.2	35.8	33.3	31.3	29.4	27.4	25.4
175°	29.7	28.3	26.9	25.8	24.7	23.5	22.4	21.1	19.9	18.6	17.2
177.5°	14.8	14.3	13.8	13.3	12.8	12.2	11.6	11.0	10.3	9.7	9.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	8.3	7.6	6.9	6.2	6.2	6.1	6.0	6.0	5.9	5.8	5.7
5°	15.9	14.5	13.0	11.6	11.5	11.4	11.3	11.1	10.9	10.7	10.5
7.5°	23.4	21.3	19.2	17.0	16.8	16.7	16.4	16.2	15.9	15.6	15.3
10°	30.9	28.1	25.3	22.4	22.2	21.9	21.6	21.3	20.9	20.5	20.2
12.5°	38.4	34.9	31.4	27.8	27.5	27.2	26.8	26.3	25.9	25.6	25.2
15°	45.9	41.7	37.5	33.2	32.8	32.4	31.9	31.4	31.0	30.6	30.1
17.5°	53.3	48.5	43.6	38.6	38.1	37.6	37.0	36.5	36.0	35.5	35.0
20°	60.9	55.3	49.7	44.0	43.4	42.8	42.2	41.6	41.1	40.5	40.0
22.5°	68.8	62.0	55.7	49.4	48.7	48.0	47.3	46.7	46.1	45.6	45.0
25°	90.3	82.8	76.1	69.0	67.7	66.0	64.1	62.2	60.1	58.1	56.0
27.5°	112.6	104.0	96.5	88.7	86.6	84.1	81.5	78.7	75.8	73.0	69.9
30°	135.0	125.3	117.0	108.3	105.4	102.1	98.5	94.7	91.0	87.1	83.1
32.5°	157.2	146.9	137.5	128.0	124.1	119.8	115.2	110.3	105.5	100.6	95.7
35°	179.4	168.4	158.0	147.6	142.7	137.4	131.5	125.5	119.5	113.6	107.7
37.5°	201.5	189.8	178.5	167.3	161.3	154.7	147.6	140.3	133.3	126.1	118.8
40°	223.5	211.2	199.0	186.9	179.7	171.9	163.3	154.7	146.2	138.0	129.3
42.5°	245.3	232.5	219.5	206.6	198.1	188.8	179.1	168.7	159.0	149.9	139.1
45°	266.4	253.8	240.1	226.2	216.5	205.6	194.1	182.4	171.4	160.3	148.4
47.5°	284.1	268.7	252.1	236.3	224.6	212.0	199.2	187.0	176.1	165.0	153.2
50°	302.3	283.7	264.1	246.4	232.6	217.7	203.1	189.6	177.8	166.1	153.8
52.5°	321.3	299.0	276.2	256.5	240.4	223.3	206.9	192.2	179.3	167.4	155.0
55°	340.9	314.6	288.3	266.6	248.2	228.6	210.6	194.8	180.9	169.0	156.7
57.5°	361.2	330.4	300.4	276.6	255.9	233.8	214.1	197.2	182.8	170.8	159.0
60°	381.9	346.5	312.6	286.7	263.5	238.9	217.6	199.7	184.9	173.0	162.3
62.5°	403.2	362.7	324.9	296.8	271.0	243.9	221.1	202.1	187.1	175.6	165.3
65°	424.8	379.0	337.1	306.9	278.6	248.8	224.5	204.4	189.6	178.7	169.2
67.5°	446.7	395.5	349.3	317.0	286.1	253.7	227.9	206.8	192.2	182.1	173.6
70°	451.1	398.6	351.8	316.4	283.8	250.8	225.3	204.8	191.0	181.8	174.4
72.5°	453.8	401.1	354.1	315.8	281.4	247.8	222.4	202.3	189.1	180.1	173.0
75°	456.1	403.4	357.9	315.1	279.0	244.9	219.6	200.1	187.3	178.5	171.9
77.5°	458.0	405.4	359.9	314.5	276.7	242.1	217.0	198.0	185.7	177.1	171.0
80°	459.6	408.7	361.8	313.9	274.4	239.4	214.6	196.2	184.1	175.7	170.2
82.5°	462.3	409.7	363.8	313.3	272.2	236.9	212.3	194.5	182.7	174.5	169.5
85°	462.4	410.6	365.7	312.6	270.1	234.6	210.1	193.0	181.4	173.3	169.0
87.5°	462.6	411.6	367.7	312.0	268.0	232.3	208.2	191.6	180.3	172.3	168.5
90°	462.8	412.6	369.6	311.4	266.0	230.2	206.3	190.4	179.2	171.3	168.1
92.5°	462.6	411.6	367.7	312.0	268.0	232.3	208.2	191.6	180.3	172.3	168.5
95°	462.4	410.6	365.7	312.6	270.1	234.6	210.1	193.0	181.4	173.3	169.0
97.5°	462.3	409.7	363.8	313.3	272.2	236.9	212.3	194.5	182.7	174.5	169.5
100°	459.6	408.7	361.8	313.9	274.4	239.4	214.6	196.2	184.1	175.7	170.2
102.5°	458.0	405.4	359.9	314.5	276.7	242.1	217.0	198.0	185.7	177.1	171.0
105°	456.1	403.4	357.9	315.1	279.0	244.9	219.6	200.1	187.3	178.5	171.9
107.5°	453.8	401.1	354.1	315.8	281.4	247.8	222.4	202.3	189.1	180.1	173.0
110°	451.1	398.6	351.8	316.4	283.8	250.8	225.3	204.8	191.0	181.8	174.4



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	446.7	395.5	349.3	317.0	286.1	253.7	227.9	206.8	192.2	182.1	173.6
115°	424.8	379.0	337.1	306.9	278.6	248.8	224.5	204.4	189.6	178.7	169.2
117.5°	403.2	362.7	324.9	296.8	271.0	243.9	221.1	202.1	187.1	175.6	165.3
120°	381.9	346.5	312.6	286.7	263.5	238.9	217.6	199.7	184.9	173.0	162.3
122.5°	361.2	330.4	300.4	276.6	255.9	233.8	214.1	197.2	182.8	170.8	159.0
125°	340.9	314.6	288.3	266.6	248.2	228.6	210.6	194.8	180.9	169.0	156.7
127.5°	321.3	299.0	276.2	256.5	240.4	223.3	206.9	192.2	179.3	167.4	155.0
130°	302.3	283.7	264.1	246.4	232.6	217.7	203.1	189.6	177.8	166.1	153.8
132.5°	284.1	268.7	252.1	236.3	224.6	212.0	199.2	187.0	176.1	165.0	153.2
135°	266.4	253.8	240.1	226.2	216.5	205.6	194.1	182.4	171.4	160.3	148.4
137.5°	245.3	232.5	219.5	206.6	198.1	188.8	179.1	168.7	159.0	149.9	139.1
140°	223.5	211.2	199.0	186.9	179.7	171.9	163.3	154.7	146.2	138.0	129.3
142.5°	201.5	189.8	178.5	167.3	161.3	154.7	147.6	140.3	133.3	126.1	118.8
145°	179.4	168.4	158.0	147.6	142.7	137.4	131.5	125.5	119.5	113.6	107.7
147.5°	157.2	146.9	137.5	128.0	124.1	119.8	115.2	110.3	105.5	100.6	95.7
150°	135.0	125.3	117.0	108.3	105.4	102.1	98.5	94.7	91.0	87.1	83.1
152.5°	112.6	104.0	96.5	88.7	86.6	84.1	81.5	78.7	75.8	73.0	69.9
155°	90.3	82.8	76.1	69.0	67.7	66.0	64.1	62.2	60.1	58.1	56.0
157.5°	68.8	62.0	55.7	49.4	48.7	48.0	47.3	46.7	46.1	45.6	45.0
160°	60.9	55.3	49.7	44.0	43.4	42.8	42.2	41.6	41.1	40.5	40.0
162.5°	53.3	48.5	43.6	38.6	38.1	37.6	37.0	36.5	36.0	35.5	35.0
165°	45.9	41.7	37.5	33.2	32.8	32.4	31.9	31.4	31.0	30.6	30.1
167.5°	38.4	34.9	31.4	27.8	27.5	27.2	26.8	26.3	25.9	25.6	25.2
170°	30.9	28.1	25.3	22.4	22.2	21.9	21.6	21.3	20.9	20.5	20.2
172.5°	23.4	21.3	19.2	17.0	16.8	16.7	16.4	16.2	15.9	15.6	15.3
175°	15.9	14.5	13.0	11.6	11.5	11.4	11.3	11.1	10.9	10.7	10.5
177.5°	8.3	7.6	6.9	6.2	6.2	6.1	6.0	6.0	5.9	5.8	5.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2	4.0
5°	10.3	10.0	9.8	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.5
7.5°	15.0	14.7	14.4	14.1	13.7	13.3	12.9	12.5	12.0	11.6	11.1
10°	19.9	19.5	19.1	18.6	18.1	17.7	17.2	16.6	16.1	15.5	14.8
12.5°	24.7	24.2	23.7	23.2	22.7	22.1	21.5	20.8	20.1	19.3	18.4
15°	29.5	29.0	28.5	27.9	27.3	26.5	25.7	24.8	23.9	22.9	21.9
17.5°	34.5	33.9	33.3	32.5	31.7	30.7	29.7	28.7	27.7	26.6	25.4
20°	39.4	38.8	37.9	37.0	36.0	34.9	33.8	32.6	31.4	30.3	29.1
22.5°	44.4	43.5	42.5	41.4	40.2	39.0	37.8	36.7	35.5	34.3	32.8
25°	53.5	50.9	48.3	45.7	44.5	43.3	42.2	41.0	39.5	37.9	36.2
27.5°	66.7	63.4	60.0	56.6	53.4	50.5	47.6	44.9	43.2	41.6	40.1
30°	79.1	74.8	70.5	66.4	62.4	58.5	54.8	51.4	48.6	46.1	43.6
32.5°	90.6	85.3	80.0	74.7	69.7	64.9	60.7	57.0	53.7	50.2	47.0
35°	101.3	94.8	88.1	81.7	75.7	70.2	65.6	61.2	57.0	53.3	50.4
37.5°	111.2	103.1	95.0	87.5	80.5	74.6	69.2	64.1	59.8	56.4	53.1
40°	120.2	110.3	101.0	92.2	84.8	77.9	71.8	66.6	62.6	58.9	55.4
42.5°	128.1	116.5	106.0	96.4	87.9	80.5	74.0	69.4	65.1	61.2	57.5
45°	135.0	122.1	110.1	99.8	90.6	82.4	76.7	71.8	67.4	63.3	59.4
47.5°	139.6	126.6	113.9	102.4	92.7	85.0	79.1	74.1	69.5	65.2	61.7
50°	140.5	128.0	116.2	105.2	95.1	87.7	81.6	76.4	71.6	67.6	63.9
52.5°	142.3	130.2	118.9	108.8	100.4	93.5	87.2	80.5	74.0	70.1	66.1
55°	144.7	133.3	122.5	113.2	106.5	100.6	94.7	88.4	81.9	75.1	68.8
57.5°	147.8	137.0	127.2	119.0	113.2	108.4	103.0	96.7	89.5	81.5	74.3
60°	151.3	141.1	132.4	125.8	121.1	117.0	112.0	104.8	95.9	86.9	78.8
62.5°	155.5	145.8	138.2	133.2	129.7	126.1	120.7	112.5	101.5	91.5	82.6
65°	160.2	151.4	144.6	141.1	138.8	135.6	129.1	118.7	106.5	95.4	85.6
67.5°	165.2	157.5	152.2	149.6	148.5	145.7	137.4	124.4	111.0	98.9	88.1
70°	167.3	161.4	158.3	158.2	158.2	155.1	145.5	129.7	115.0	102.0	90.2
72.5°	166.4	161.2	158.4	158.2	159.0	156.8	148.0	133.4	118.8	104.8	92.0
75°	165.8	161.2	158.5	158.2	158.8	156.1	147.2	134.0	120.1	106.4	93.6
77.5°	165.4	161.3	158.4	158.0	158.5	156.0	147.6	135.5	121.8	108.1	95.2
80°	165.2	161.5	158.2	157.7	158.4	156.5	148.9	137.8	124.0	110.3	97.4
82.5°	165.2	161.8	158.1	157.3	158.2	157.3	151.0	140.8	126.7	113.0	100.1
85°	165.3	162.3	157.9	156.9	158.1	158.4	153.7	144.4	129.9	116.2	103.3
87.5°	165.4	162.7	157.8	156.5	157.9	159.6	156.8	148.5	133.6	120.0	107.1
90°	165.7	163.3	157.7	156.1	157.7	160.9	160.1	152.9	137.8	124.3	111.5
92.5°	165.4	162.7	157.8	156.5	157.9	159.6	156.8	148.5	133.6	120.0	107.1
95°	165.3	162.3	157.9	156.9	158.1	158.4	153.7	144.4	129.9	116.2	103.3
97.5°	165.2	161.8	158.1	157.3	158.2	157.3	151.0	140.8	126.7	113.0	100.1
100°	165.2	161.5	158.2	157.7	158.4	156.5	148.9	137.8	124.0	110.3	97.4
102.5°	165.4	161.3	158.4	158.0	158.5	156.0	147.6	135.5	121.8	108.1	95.2
105°	165.8	161.2	158.5	158.2	158.8	156.1	147.2	134.0	120.1	106.4	93.6
107.5°	166.4	161.2	158.4	158.2	159.0	156.8	148.0	133.4	118.8	104.8	92.0
110°	167.3	161.4	158.3	158.2	158.2	155.1	145.5	129.7	115.0	102.0	90.2



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	165.2	157.5	152.2	149.6	148.5	145.7	137.4	124.4	111.0	98.9	88.1
115°	160.2	151.4	144.6	141.1	138.8	135.6	129.1	118.7	106.5	95.4	85.6
117.5°	155.5	145.8	138.2	133.2	129.7	126.1	120.7	112.5	101.5	91.5	82.6
120°	151.3	141.1	132.4	125.8	121.1	117.0	112.0	104.8	95.9	86.9	78.8
122.5°	147.8	137.0	127.2	119.0	113.2	108.4	103.0	96.7	89.5	81.5	74.3
125°	144.7	133.3	122.5	113.2	106.5	100.6	94.7	88.4	81.9	75.1	68.8
127.5°	142.3	130.2	118.9	108.8	100.4	93.5	87.2	80.5	74.0	70.1	66.1
130°	140.5	128.0	116.2	105.2	95.1	87.7	81.6	76.4	71.6	67.6	63.9
132.5°	139.6	126.6	113.9	102.4	92.7	85.0	79.1	74.1	69.5	65.2	61.7
135°	135.0	122.1	110.1	99.8	90.6	82.4	76.7	71.8	67.4	63.3	59.4
137.5°	128.1	116.5	106.0	96.4	87.9	80.5	74.0	69.4	65.1	61.2	57.5
140°	120.2	110.3	101.0	92.2	84.8	77.9	71.8	66.6	62.6	58.9	55.4
142.5°	111.2	103.1	95.0	87.5	80.5	74.6	69.2	64.1	59.8	56.4	53.1
145°	101.3	94.8	88.1	81.7	75.7	70.2	65.6	61.2	57.0	53.3	50.4
147.5°	90.6	85.3	80.0	74.7	69.7	64.9	60.7	57.0	53.7	50.2	47.0
150°	79.1	74.8	70.5	66.4	62.4	58.5	54.8	51.4	48.6	46.1	43.6
152.5°	66.7	63.4	60.0	56.6	53.4	50.5	47.6	44.9	43.2	41.6	40.1
155°	53.5	50.9	48.3	45.7	44.5	43.3	42.2	41.0	39.5	37.9	36.2
157.5°	44.4	43.5	42.5	41.4	40.2	39.0	37.8	36.7	35.5	34.3	32.8
160°	39.4	38.8	37.9	37.0	36.0	34.9	33.8	32.6	31.4	30.3	29.1
162.5°	34.5	33.9	33.3	32.5	31.7	30.7	29.7	28.7	27.7	26.6	25.4
165°	29.5	29.0	28.5	27.9	27.3	26.5	25.7	24.8	23.9	22.9	21.9
167.5°	24.7	24.2	23.7	23.2	22.7	22.1	21.5	20.8	20.1	19.3	18.4
170°	19.9	19.5	19.1	18.6	18.1	17.7	17.2	16.6	16.1	15.5	14.8
172.5°	15.0	14.7	14.4	14.1	13.7	13.3	12.9	12.5	12.0	11.6	11.1
175°	10.3	10.0	9.8	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.5
177.5°	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.2	4.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.8	3.6	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.9	1.6
5°	7.1	6.8	6.4	6.0	5.7	5.3	4.9	4.4	4.0	3.6	3.2
7.5°	10.6	10.1	9.6	9.0	8.5	7.9	7.3	6.7	6.0	5.4	4.7
10°	14.2	13.5	12.8	12.0	11.2	10.4	9.6	8.8	8.0	7.1	6.3
12.5°	17.6	16.7	15.8	14.9	13.9	12.9	11.9	10.9	9.9	8.8	7.7
15°	20.9	19.9	18.8	17.7	16.5	15.4	14.2	13.0	11.8	10.6	9.3
17.5°	24.3	23.1	21.9	20.7	19.4	18.1	16.7	15.2	13.8	12.3	10.8
20°	27.9	26.5	25.1	23.6	22.0	20.5	18.9	17.3	15.7	14.1	12.4
22.5°	31.2	29.6	28.1	26.5	24.9	23.2	21.5	19.6	17.7	15.7	13.8
25°	34.7	33.1	31.4	29.6	27.5	25.5	23.4	21.3	19.3	17.2	15.1
27.5°	38.4	36.3	34.1	31.9	29.8	27.7	25.5	23.3	21.1	18.7	16.4
30°	41.2	38.9	36.8	34.6	32.3	29.9	27.4	25.0	22.5	20.0	17.5
32.5°	44.4	42.0	39.6	37.0	34.4	31.8	29.1	26.5	23.8	21.2	18.5
35°	47.6	44.7	41.9	39.2	36.4	33.6	30.8	28.0	25.1	22.3	19.4
37.5°	49.9	46.9	43.9	41.1	38.3	35.3	32.3	29.1	26.0	22.9	20.0
40°	52.0	48.8	45.8	42.8	39.8	36.5	33.2	30.0	27.0	24.0	20.9
42.5°	53.9	50.7	47.6	44.2	40.8	37.6	34.5	31.3	27.8	24.5	21.3
45°	56.0	52.7	49.1	45.6	42.3	39.0	35.4	31.8	28.5	25.3	22.2
47.5°	58.1	54.4	50.8	47.3	43.6	39.9	36.3	32.8	29.4	26.1	22.8
50°	60.1	56.3	52.6	48.7	44.8	41.0	37.3	33.8	30.3	26.9	23.5
52.5°	62.2	58.2	54.2	50.1	46.0	42.1	38.4	34.7	31.1	27.8	24.5
55°	64.3	60.1	55.8	51.4	47.3	43.4	39.5	35.8	32.4	29.0	25.4
57.5°	67.9	62.2	57.2	52.9	48.8	44.6	40.9	37.3	33.5	29.6	25.5
60°	71.7	64.9	59.2	54.5	50.2	46.2	42.4	38.3	33.9	29.4	25.3
62.5°	74.4	67.0	60.9	55.8	51.7	47.9	43.5	38.6	33.7	29.4	25.4
65°	76.5	68.6	62.1	56.8	52.5	48.3	44.0	38.6	33.9	29.2	24.7
67.5°	78.2	69.6	62.9	57.4	52.3	47.4	42.5	38.6	33.7	28.6	23.9
70°	79.5	70.7	63.6	57.5	51.7	45.9	41.0	36.7	32.5	27.8	22.8
72.5°	80.4	71.6	64.1	57.2	50.5	44.5	39.5	34.8	30.3	26.0	21.8
75°	81.7	72.5	64.4	56.6	49.3	43.3	38.0	33.1	28.3	23.8	20.0
77.5°	83.6	73.8	64.7	56.1	48.3	42.1	36.8	31.6	26.5	21.8	18.0
80°	85.7	75.1	65.2	55.9	47.8	41.1	35.5	30.3	24.9	19.9	16.0
82.5°	87.9	76.7	65.8	56.0	47.4	40.0	33.7	28.2	23.1	18.4	14.0
85°	90.5	78.5	66.8	56.5	47.1	39.0	32.2	26.6	21.5	17.2	13.2
87.5°	93.6	80.8	68.1	57.4	47.2	38.4	31.0	25.4	20.4	16.7	13.4
90°	97.2	83.6	70.1	58.9	47.8	38.2	30.3	24.7	19.9	16.7	14.3
92.5°	93.6	80.8	68.1	57.4	47.2	38.4	31.0	25.4	20.4	16.7	13.4
95°	90.5	78.5	66.8	56.5	47.1	39.0	32.2	26.6	21.5	17.2	13.2
97.5°	87.9	76.7	65.8	56.0	47.4	40.0	33.7	28.2	23.1	18.4	14.0
100°	85.7	75.1	65.2	55.9	47.8	41.1	35.5	30.3	24.9	19.9	16.0
102.5°	83.6	73.8	64.7	56.1	48.3	42.1	36.8	31.6	26.5	21.8	18.0
105°	81.7	72.5	64.4	56.6	49.3	43.3	38.0	33.1	28.3	23.8	20.0
107.5°	80.4	71.6	64.1	57.2	50.5	44.5	39.5	34.8	30.3	26.0	21.8
110°	79.5	70.7	63.6	57.5	51.7	45.9	41.0	36.7	32.5	27.8	22.8





TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	78.2	69.6	62.9	57.4	52.3	47.4	42.5	38.6	33.7	28.6	23.9
115°	76.5	68.6	62.1	56.8	52.5	48.3	44.0	38.6	33.9	29.2	24.7
117.5°	74.4	67.0	60.9	55.8	51.7	47.9	43.5	38.6	33.7	29.4	25.4
120°	71.7	64.9	59.2	54.5	50.2	46.2	42.4	38.3	33.9	29.4	25.3
122.5°	67.9	62.2	57.2	52.9	48.8	44.6	40.9	37.3	33.5	29.6	25.5
125°	64.3	60.1	55.8	51.4	47.3	43.4	39.5	35.8	32.4	29.0	25.4
127.5°	62.2	58.2	54.2	50.1	46.0	42.1	38.4	34.7	31.1	27.8	24.5
130°	60.1	56.3	52.6	48.7	44.8	41.0	37.3	33.8	30.3	26.9	23.5
132.5°	58.1	54.4	50.8	47.3	43.6	39.9	36.3	32.8	29.4	26.1	22.8
135°	56.0	52.7	49.1	45.6	42.3	39.0	35.4	31.8	28.5	25.3	22.2
137.5°	53.9	50.7	47.6	44.2	40.8	37.6	34.5	31.3	27.8	24.5	21.3
140°	52.0	48.8	45.8	42.8	39.8	36.5	33.2	30.0	27.0	24.0	20.9
142.5°	49.9	46.9	43.9	41.1	38.3	35.3	32.3	29.1	26.0	22.9	20.0
145°	47.6	44.7	41.9	39.2	36.4	33.6	30.8	28.0	25.1	22.3	19.4
147.5°	44.4	42.0	39.6	37.0	34.4	31.8	29.1	26.5	23.8	21.2	18.5
150°	41.2	38.9	36.8	34.6	32.3	29.9	27.4	25.0	22.5	20.0	17.5
152.5°	38.4	36.3	34.1	31.9	29.8	27.7	25.5	23.3	21.1	18.7	16.4
155°	34.7	33.1	31.4	29.6	27.5	25.5	23.4	21.3	19.3	17.2	15.1
157.5°	31.2	29.6	28.1	26.5	24.9	23.2	21.5	19.6	17.7	15.7	13.8
160°	27.9	26.5	25.1	23.6	22.0	20.5	18.9	17.3	15.7	14.1	12.4
162.5°	24.3	23.1	21.9	20.7	19.4	18.1	16.7	15.2	13.8	12.3	10.8
165°	20.9	19.9	18.8	17.7	16.5	15.4	14.2	13.0	11.8	10.6	9.3
167.5°	17.6	16.7	15.8	14.9	13.9	12.9	11.9	10.9	9.9	8.8	7.7
170°	14.2	13.5	12.8	12.0	11.2	10.4	9.6	8.8	8.0	7.1	6.3
172.5°	10.6	10.1	9.6	9.0	8.5	7.9	7.3	6.7	6.0	5.4	4.7
175°	7.1	6.8	6.4	6.0	5.7	5.3	4.9	4.4	4.0	3.6	3.2
177.5°	3.8	3.6	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.9	1.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.8
7.5°	4.1	3.4	2.7	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.7
10°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
12.5°	6.6	5.6	4.5	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.5
15°	8.0	6.7	5.4	4.0	2.7	1.4	0.0	1.4	2.7	4.0	5.4
17.5°	9.3	7.8	6.2	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.2
20°	10.7	8.9	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
22.5°	11.8	9.9	7.9	5.9	4.0	2.0	0.0	2.0	4.0	5.9	7.9
25°	13.0	10.9	8.7	6.5	4.4	2.2	0.0	2.2	4.4	6.5	8.7
27.5°	14.1	11.7	9.4	7.0	4.7	2.3	0.0	2.3	4.7	7.0	9.4
30°	15.0	12.5	10.0	7.5	5.0	2.5	0.0	2.5	5.0	7.5	10.0
32.5°	15.9	13.2	10.6	7.9	5.3	2.6	0.0	2.6	5.3	7.9	10.6
35°	16.6	13.8	11.0	8.2	5.5	2.7	0.0	2.7	5.5	8.2	11.0
37.5°	17.2	14.3	11.4	8.6	5.7	2.9	0.0	2.9	5.7	8.6	11.4
40°	17.8	14.7	11.7	8.7	5.8	2.9	0.0	2.9	5.8	8.7	11.7
42.5°	18.3	15.3	12.4	9.5	6.6	3.7	0.8	3.7	6.6	9.5	12.4
45°	19.1	16.0	12.9	9.9	6.8	3.8	0.8	3.8	6.8	9.9	12.9
47.5°	19.6	16.4	13.2	10.1	7.0	3.9	0.8	3.9	7.0	10.1	13.2
50°	20.2	17.0	13.8	10.6	7.3	4.1	0.8	4.1	7.3	10.6	13.8
52.5°	21.3	17.8	14.3	10.9	7.5	4.1	0.8	4.1	7.5	10.9	14.3
55°	21.7	18.0	14.3	10.8	7.4	4.1	0.8	4.1	7.4	10.8	14.3
57.5°	21.6	17.8	14.3	10.9	7.5	4.1	0.8	4.1	7.5	10.9	14.3
60°	21.7	18.0	14.3	10.7	7.3	4.0	0.8	4.0	7.3	10.7	14.3
62.5°	21.3	17.5	13.8	10.3	7.0	3.9	0.8	3.9	7.0	10.3	13.8
65°	20.6	16.8	13.2	9.8	6.6	3.7	0.8	3.7	6.6	9.8	13.2
67.5°	19.6	15.7	12.5	9.5	6.8	4.2	1.6	4.2	6.8	9.5	12.5
70°	18.5	15.0	12.1	9.3	6.6	4.1	1.6	4.1	6.6	9.3	12.1
72.5°	17.7	14.3	11.4	9.0	6.3	3.9	1.6	3.9	6.3	9.0	11.4
75°	17.0	13.6	10.6	8.0	5.4	3.3	1.6	3.3	5.4	8.0	10.6
77.5°	15.1	12.7	9.8	6.0	2.1	0.3	0.0	0.3	2.1	6.0	9.8
80°	12.7	10.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
82.5°	10.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	9.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	9.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	12.7	10.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
102.5°	15.1	12.7	9.8	6.0	2.1	0.3	0.0	0.3	2.1	6.0	9.8
105°	17.0	13.6	10.6	8.0	5.4	3.3	1.6	3.3	5.4	8.0	10.6
107.5°	17.7	14.3	11.4	9.0	6.3	3.9	1.6	3.9	6.3	9.0	11.4
110°	18.5	15.0	12.1	9.3	6.6	4.1	1.6	4.1	6.6	9.3	12.1



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	19.6	15.7	12.5	9.5	6.8	4.2	1.6	4.2	6.8	9.5	12.5
115°	20.6	16.8	13.2	9.8	6.6	3.7	0.8	3.7	6.6	9.8	13.2
117.5°	21.3	17.5	13.8	10.3	7.0	3.9	0.8	3.9	7.0	10.3	13.8
120°	21.7	18.0	14.3	10.7	7.3	4.0	0.8	4.0	7.3	10.7	14.3
122.5°	21.6	17.8	14.3	10.9	7.5	4.1	0.8	4.1	7.5	10.9	14.3
125°	21.7	18.0	14.3	10.8	7.4	4.1	0.8	4.1	7.4	10.8	14.3
127.5°	21.3	17.8	14.3	10.9	7.5	4.1	0.8	4.1	7.5	10.9	14.3
130°	20.2	17.0	13.8	10.6	7.3	4.1	0.8	4.1	7.3	10.6	13.8
132.5°	19.6	16.4	13.2	10.1	7.0	3.9	0.8	3.9	7.0	10.1	13.2
135°	19.1	16.0	12.9	9.9	6.8	3.8	0.8	3.8	6.8	9.9	12.9
137.5°	18.3	15.3	12.4	9.5	6.6	3.7	0.8	3.7	6.6	9.5	12.4
140°	17.8	14.7	11.7	8.7	5.8	2.9	0.0	2.9	5.8	8.7	11.7
142.5°	17.2	14.3	11.4	8.6	5.7	2.9	0.0	2.9	5.7	8.6	11.4
145°	16.6	13.8	11.0	8.2	5.5	2.7	0.0	2.7	5.5	8.2	11.0
147.5°	15.9	13.2	10.6	7.9	5.3	2.6	0.0	2.6	5.3	7.9	10.6
150°	15.0	12.5	10.0	7.5	5.0	2.5	0.0	2.5	5.0	7.5	10.0
152.5°	14.1	11.7	9.4	7.0	4.7	2.3	0.0	2.3	4.7	7.0	9.4
155°	13.0	10.9	8.7	6.5	4.4	2.2	0.0	2.2	4.4	6.5	8.7
157.5°	11.8	9.9	7.9	5.9	4.0	2.0	0.0	2.0	4.0	5.9	7.9
160°	10.7	8.9	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
162.5°	9.3	7.8	6.2	4.7	3.1	1.6	0.0	1.6	3.1	4.7	6.2
165°	8.0	6.7	5.4	4.0	2.7	1.4	0.0	1.4	2.7	4.0	5.4
167.5°	6.6	5.6	4.5	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.5
170°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
172.5°	4.1	3.4	2.7	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.7
175°	2.7	2.3	1.8	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.8
177.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.2	1.4	1.6	1.9	2.1	2.3	2.5	2.8	3.0	3.2	3.4
5°	2.3	2.7	3.2	3.6	4.0	4.4	4.9	5.3	5.7	6.0	6.4
7.5°	3.4	4.1	4.7	5.4	6.0	6.7	7.3	7.9	8.5	9.0	9.6
10°	4.5	5.4	6.3	7.1	8.0	8.8	9.6	10.4	11.2	12.0	12.8
12.5°	5.6	6.6	7.7	8.8	9.9	10.9	11.9	12.9	13.9	14.9	15.8
15°	6.7	8.0	9.3	10.6	11.8	13.0	14.2	15.4	16.5	17.7	18.8
17.5°	7.8	9.3	10.8	12.3	13.8	15.2	16.7	18.1	19.4	20.7	21.9
20°	8.9	10.7	12.4	14.1	15.7	17.3	18.9	20.5	22.0	23.6	25.1
22.5°	9.9	11.8	13.8	15.7	17.7	19.6	21.5	23.2	24.9	26.5	28.1
25°	10.9	13.0	15.1	17.2	19.3	21.3	23.4	25.5	27.5	29.6	31.4
27.5°	11.7	14.1	16.4	18.7	21.1	23.3	25.5	27.7	29.8	31.9	34.1
30°	12.5	15.0	17.5	20.0	22.5	25.0	27.4	29.9	32.3	34.6	36.8
32.5°	13.2	15.9	18.5	21.2	23.8	26.5	29.1	31.8	34.4	37.0	39.6
35°	13.8	16.6	19.4	22.3	25.1	28.0	30.8	33.6	36.4	39.2	41.9
37.5°	14.3	17.2	20.0	22.9	26.0	29.1	32.3	35.3	38.3	41.1	43.9
40°	14.7	17.8	20.9	24.0	27.0	30.0	33.2	36.5	39.8	42.8	45.8
42.5°	15.3	18.3	21.3	24.5	27.8	31.3	34.5	37.6	40.8	44.2	47.6
45°	16.0	19.1	22.2	25.3	28.5	31.8	35.4	39.0	42.3	45.6	49.1
47.5°	16.4	19.6	22.8	26.1	29.4	32.8	36.3	39.9	43.6	47.3	50.8
50°	17.0	20.2	23.5	26.9	30.3	33.8	37.3	41.0	44.8	48.7	52.6
52.5°	17.8	21.3	24.5	27.8	31.1	34.7	38.4	42.1	46.0	50.1	54.2
55°	18.0	21.7	25.4	29.0	32.4	35.8	39.5	43.4	47.3	51.4	55.8
57.5°	17.8	21.6	25.5	29.6	33.5	37.3	40.9	44.6	48.8	52.9	57.2
60°	18.0	21.7	25.3	29.4	33.9	38.3	42.4	46.2	50.2	54.5	59.2
62.5°	17.5	21.3	25.4	29.4	33.7	38.6	43.5	47.9	51.7	55.8	60.9
65°	16.8	20.6	24.7	29.2	33.9	38.6	44.0	48.3	52.5	56.8	62.1
67.5°	15.7	19.6	23.9	28.6	33.7	38.6	42.5	47.4	52.3	57.4	62.9
70°	15.0	18.5	22.8	27.8	32.5	36.7	41.0	45.9	51.7	57.5	63.6
72.5°	14.3	17.7	21.8	26.0	30.3	34.8	39.5	44.5	50.5	57.2	64.1
75°	13.6	17.0	20.0	23.8	28.3	33.1	38.0	43.3	49.3	56.6	64.4
77.5°	12.7	15.1	18.0	21.8	26.5	31.6	36.8	42.1	48.3	56.1	64.7
80°	10.6	12.7	16.0	19.9	24.9	30.3	35.5	41.1	47.8	55.9	65.2
82.5°	6.9	10.4	14.0	18.4	23.1	28.2	33.7	40.0	47.4	56.0	65.8
85°	2.8	9.0	13.2	17.2	21.5	26.6	32.2	39.0	47.1	56.5	66.8
87.5°	0.9	9.4	13.4	16.7	20.4	25.4	31.0	38.4	47.2	57.4	68.1
90°	0.0	10.4	14.3	16.7	19.9	24.7	30.3	38.2	47.8	58.9	70.1
92.5°	0.9	9.4	13.4	16.7	20.4	25.4	31.0	38.4	47.2	57.4	68.1
95°	2.8	9.0	13.2	17.2	21.5	26.6	32.2	39.0	47.1	56.5	66.8
97.5°	6.9	10.4	14.0	18.4	23.1	28.2	33.7	40.0	47.4	56.0	65.8
100°	10.6	12.7	16.0	19.9	24.9	30.3	35.5	41.1	47.8	55.9	65.2
102.5°	12.7	15.1	18.0	21.8	26.5	31.6	36.8	42.1	48.3	56.1	64.7
105°	13.6	17.0	20.0	23.8	28.3	33.1	38.0	43.3	49.3	56.6	64.4
107.5°	14.3	17.7	21.8	26.0	30.3	34.8	39.5	44.5	50.5	57.2	64.1
110°	15.0	18.5	22.8	27.8	32.5	36.7	41.0	45.9	51.7	57.5	63.6



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	15.7	19.6	23.9	28.6	33.7	38.6	42.5	47.4	52.3	57.4	62.9
115°	16.8	20.6	24.7	29.2	33.9	38.6	44.0	48.3	52.5	56.8	62.1
117.5°	17.5	21.3	25.4	29.4	33.7	38.6	43.5	47.9	51.7	55.8	60.9
120°	18.0	21.7	25.3	29.4	33.9	38.3	42.4	46.2	50.2	54.5	59.2
122.5°	17.8	21.6	25.5	29.6	33.5	37.3	40.9	44.6	48.8	52.9	57.2
125°	18.0	21.7	25.4	29.0	32.4	35.8	39.5	43.4	47.3	51.4	55.8
127.5°	17.8	21.3	24.5	27.8	31.1	34.7	38.4	42.1	46.0	50.1	54.2
130°	17.0	20.2	23.5	26.9	30.3	33.8	37.3	41.0	44.8	48.7	52.6
132.5°	16.4	19.6	22.8	26.1	29.4	32.8	36.3	39.9	43.6	47.3	50.8
135°	16.0	19.1	22.2	25.3	28.5	31.8	35.4	39.0	42.3	45.6	49.1
137.5°	15.3	18.3	21.3	24.5	27.8	31.3	34.5	37.6	40.8	44.2	47.6
140°	14.7	17.8	20.9	24.0	27.0	30.0	33.2	36.5	39.8	42.8	45.8
142.5°	14.3	17.2	20.0	22.9	26.0	29.1	32.3	35.3	38.3	41.1	43.9
145°	13.8	16.6	19.4	22.3	25.1	28.0	30.8	33.6	36.4	39.2	41.9
147.5°	13.2	15.9	18.5	21.2	23.8	26.5	29.1	31.8	34.4	37.0	39.6
150°	12.5	15.0	17.5	20.0	22.5	25.0	27.4	29.9	32.3	34.6	36.8
152.5°	11.7	14.1	16.4	18.7	21.1	23.3	25.5	27.7	29.8	31.9	34.1
155°	10.9	13.0	15.1	17.2	19.3	21.3	23.4	25.5	27.5	29.6	31.4
157.5°	9.9	11.8	13.8	15.7	17.7	19.6	21.5	23.2	24.9	26.5	28.1
160°	8.9	10.7	12.4	14.1	15.7	17.3	18.9	20.5	22.0	23.6	25.1
162.5°	7.8	9.3	10.8	12.3	13.8	15.2	16.7	18.1	19.4	20.7	21.9
165°	6.7	8.0	9.3	10.6	11.8	13.0	14.2	15.4	16.5	17.7	18.8
167.5°	5.6	6.6	7.7	8.8	9.9	10.9	11.9	12.9	13.9	14.9	15.8
170°	4.5	5.4	6.3	7.1	8.0	8.8	9.6	10.4	11.2	12.0	12.8
172.5°	3.4	4.1	4.7	5.4	6.0	6.7	7.3	7.9	8.5	9.0	9.6
175°	2.3	2.7	3.2	3.6	4.0	4.4	4.9	5.3	5.7	6.0	6.4
177.5°	1.2	1.4	1.6	1.9	2.1	2.3	2.5	2.8	3.0	3.2	3.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9	5.0	5.2	5.3
5°	6.8	7.1	7.5	7.8	8.1	8.4	8.7	9.0	9.2	9.5	9.8
7.5°	10.1	10.6	11.1	11.6	12.0	12.5	12.9	13.3	13.7	14.1	14.4
10°	13.5	14.2	14.8	15.5	16.1	16.6	17.2	17.7	18.1	18.6	19.1
12.5°	16.7	17.6	18.4	19.3	20.1	20.8	21.5	22.1	22.7	23.2	23.7
15°	19.9	20.9	21.9	22.9	23.9	24.8	25.7	26.5	27.3	27.9	28.5
17.5°	23.1	24.3	25.4	26.6	27.7	28.7	29.7	30.7	31.7	32.5	33.3
20°	26.5	27.9	29.1	30.3	31.4	32.6	33.8	34.9	36.0	37.0	37.9
22.5°	29.6	31.2	32.8	34.3	35.5	36.7	37.8	39.0	40.2	41.4	42.5
25°	33.1	34.7	36.2	37.9	39.5	41.0	42.2	43.3	44.5	45.7	48.3
27.5°	36.3	38.4	40.1	41.6	43.2	44.9	47.6	50.5	53.4	56.6	60.0
30°	38.9	41.2	43.6	46.1	48.6	51.4	54.8	58.5	62.4	66.4	70.5
32.5°	42.0	44.4	47.0	50.2	53.7	57.0	60.7	64.9	69.7	74.7	80.0
35°	44.7	47.6	50.4	53.3	57.0	61.2	65.6	70.2	75.7	81.7	88.1
37.5°	46.9	49.9	53.1	56.4	59.8	64.1	69.2	74.6	80.5	87.5	95.0
40°	48.8	52.0	55.4	58.9	62.6	66.6	71.8	77.9	84.8	92.2	101.0
42.5°	50.7	53.9	57.5	61.2	65.1	69.4	74.0	80.5	87.9	96.4	106.0
45°	52.7	56.0	59.4	63.3	67.4	71.8	76.7	82.4	90.6	99.8	110.1
47.5°	54.4	58.1	61.7	65.2	69.5	74.1	79.1	85.0	92.7	102.4	113.9
50°	56.3	60.1	63.9	67.6	71.6	76.4	81.6	87.7	95.1	105.2	116.2
52.5°	58.2	62.2	66.1	70.1	74.0	80.5	87.2	93.5	100.4	108.8	118.9
55°	60.1	64.3	68.8	75.1	81.9	88.4	94.7	100.6	106.5	113.2	122.5
57.5°	62.2	67.9	74.3	81.5	89.5	96.7	103.0	108.4	113.2	119.0	127.2
60°	64.9	71.7	78.8	86.9	95.9	104.8	112.0	117.0	121.1	125.8	132.4
62.5°	67.0	74.4	82.6	91.5	101.5	112.5	120.7	126.1	129.7	133.2	138.2
65°	68.6	76.5	85.6	95.4	106.5	118.7	129.1	135.6	138.8	141.1	144.6
67.5°	69.6	78.2	88.1	98.9	111.0	124.4	137.4	145.7	148.5	149.6	152.2
70°	70.7	79.5	90.2	102.0	115.0	129.7	145.5	155.1	158.2	158.2	158.3
72.5°	71.6	80.4	92.0	104.8	118.8	133.4	148.0	156.8	159.0	158.2	158.4
75°	72.5	81.7	93.6	106.4	120.1	134.0	147.2	156.1	158.8	158.2	158.5
77.5°	73.8	83.6	95.2	108.1	121.8	135.5	147.6	156.0	158.5	158.0	158.4
80°	75.1	85.7	97.4	110.3	124.0	137.8	148.9	156.5	158.4	157.7	158.2
82.5°	76.7	87.9	100.1	113.0	126.7	140.8	151.0	157.3	158.2	157.3	158.1
85°	78.5	90.5	103.3	116.2	129.9	144.4	153.7	158.4	158.1	156.9	157.9
87.5°	80.8	93.6	107.1	120.0	133.6	148.5	156.8	159.6	157.9	156.5	157.8
90°	83.6	97.2	111.5	124.3	137.8	152.9	160.1	160.9	157.7	156.1	157.7
92.5°	80.8	93.6	107.1	120.0	133.6	148.5	156.8	159.6	157.9	156.5	157.8
95°	78.5	90.5	103.3	116.2	129.9	144.4	153.7	158.4	158.1	156.9	157.9
97.5°	76.7	87.9	100.1	113.0	126.7	140.8	151.0	157.3	158.2	157.3	158.1
100°	75.1	85.7	97.4	110.3	124.0	137.8	148.9	156.5	158.4	157.7	158.2
102.5°	73.8	83.6	95.2	108.1	121.8	135.5	147.6	156.0	158.5	158.0	158.4
105°	72.5	81.7	93.6	106.4	120.1	134.0	147.2	156.1	158.8	158.2	158.5
107.5°	71.6	80.4	92.0	104.8	118.8	133.4	148.0	156.8	159.0	158.2	158.4
110°	70.7	79.5	90.2	102.0	115.0	129.7	145.5	155.1	158.2	158.2	158.3



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	69.6	78.2	88.1	98.9	111.0	124.4	137.4	145.7	148.5	149.6	152.2
115°	68.6	76.5	85.6	95.4	106.5	118.7	129.1	135.6	138.8	141.1	144.6
117.5°	67.0	74.4	82.6	91.5	101.5	112.5	120.7	126.1	129.7	133.2	138.2
120°	64.9	71.7	78.8	86.9	95.9	104.8	112.0	117.0	121.1	125.8	132.4
122.5°	62.2	67.9	74.3	81.5	89.5	96.7	103.0	108.4	113.2	119.0	127.2
125°	60.1	64.3	68.8	75.1	81.9	88.4	94.7	100.6	106.5	113.2	122.5
127.5°	58.2	62.2	66.1	70.1	74.0	80.5	87.2	93.5	100.4	108.8	118.9
130°	56.3	60.1	63.9	67.6	71.6	76.4	81.6	87.7	95.1	105.2	116.2
132.5°	54.4	58.1	61.7	65.2	69.5	74.1	79.1	85.0	92.7	102.4	113.9
135°	52.7	56.0	59.4	63.3	67.4	71.8	76.7	82.4	90.6	99.8	110.1
137.5°	50.7	53.9	57.5	61.2	65.1	69.4	74.0	80.5	87.9	96.4	106.0
140°	48.8	52.0	55.4	58.9	62.6	66.6	71.8	77.9	84.8	92.2	101.0
142.5°	46.9	49.9	53.1	56.4	59.8	64.1	69.2	74.6	80.5	87.5	95.0
145°	44.7	47.6	50.4	53.3	57.0	61.2	65.6	70.2	75.7	81.7	88.1
147.5°	42.0	44.4	47.0	50.2	53.7	57.0	60.7	64.9	69.7	74.7	80.0
150°	38.9	41.2	43.6	46.1	48.6	51.4	54.8	58.5	62.4	66.4	70.5
152.5°	36.3	38.4	40.1	41.6	43.2	44.9	47.6	50.5	53.4	56.6	60.0
155°	33.1	34.7	36.2	37.9	39.5	41.0	42.2	43.3	44.5	45.7	48.3
157.5°	29.6	31.2	32.8	34.3	35.5	36.7	37.8	39.0	40.2	41.4	42.5
160°	26.5	27.9	29.1	30.3	31.4	32.6	33.8	34.9	36.0	37.0	37.9
162.5°	23.1	24.3	25.4	26.6	27.7	28.7	29.7	30.7	31.7	32.5	33.3
165°	19.9	20.9	21.9	22.9	23.9	24.8	25.7	26.5	27.3	27.9	28.5
167.5°	16.7	17.6	18.4	19.3	20.1	20.8	21.5	22.1	22.7	23.2	23.7
170°	13.5	14.2	14.8	15.5	16.1	16.6	17.2	17.7	18.1	18.6	19.1
172.5°	10.1	10.6	11.1	11.6	12.0	12.5	12.9	13.3	13.7	14.1	14.4
175°	6.8	7.1	7.5	7.8	8.1	8.4	8.7	9.0	9.2	9.5	9.8
177.5°	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9	5.0	5.2	5.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.5	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.9
5°	10.0	10.3	10.5	10.7	10.9	11.1	11.3	11.4	11.5	11.6	13.0
7.5°	14.7	15.0	15.3	15.6	15.9	16.2	16.4	16.7	16.8	17.0	19.2
10°	19.5	19.9	20.2	20.5	20.9	21.3	21.6	21.9	22.2	22.4	25.3
12.5°	24.2	24.7	25.2	25.6	25.9	26.3	26.8	27.2	27.5	27.8	31.4
15°	29.0	29.5	30.1	30.6	31.0	31.4	31.9	32.4	32.8	33.2	37.5
17.5°	33.9	34.5	35.0	35.5	36.0	36.5	37.0	37.6	38.1	38.6	43.6
20°	38.8	39.4	40.0	40.5	41.1	41.6	42.2	42.8	43.4	44.0	49.7
22.5°	43.5	44.4	45.0	45.6	46.1	46.7	47.3	48.0	48.7	49.4	55.7
25°	50.9	53.5	56.0	58.1	60.1	62.2	64.1	66.0	67.7	69.0	76.1
27.5°	63.4	66.7	69.9	73.0	75.8	78.7	81.5	84.1	86.6	88.7	96.5
30°	74.8	79.1	83.1	87.1	91.0	94.7	98.5	102.1	105.4	108.3	117.0
32.5°	85.3	90.6	95.7	100.6	105.5	110.3	115.2	119.8	124.1	128.0	137.5
35°	94.8	101.3	107.7	113.6	119.5	125.5	131.5	137.4	142.7	147.6	158.0
37.5°	103.1	111.2	118.8	126.1	133.3	140.3	147.6	154.7	161.3	167.3	178.5
40°	110.3	120.2	129.3	138.0	146.2	154.7	163.3	171.9	179.7	186.9	199.0
42.5°	116.5	128.1	139.1	149.9	159.0	168.7	179.1	188.8	198.1	206.6	219.5
45°	122.1	135.0	148.4	160.3	171.4	182.4	194.1	205.6	216.5	226.2	240.1
47.5°	126.6	139.6	153.2	165.0	176.1	187.0	199.2	212.0	224.6	236.3	252.1
50°	128.0	140.5	153.8	166.1	177.8	189.6	203.1	217.7	232.6	246.4	264.1
52.5°	130.2	142.3	155.0	167.4	179.3	192.2	206.9	223.3	240.4	256.5	276.2
55°	133.3	144.7	156.7	169.0	180.9	194.8	210.6	228.6	248.2	266.6	288.3
57.5°	137.0	147.8	159.0	170.8	182.8	197.2	214.1	233.8	255.9	276.6	300.4
60°	141.1	151.3	162.3	173.0	184.9	199.7	217.6	238.9	263.5	286.7	312.6
62.5°	145.8	155.5	165.3	175.6	187.1	202.1	221.1	243.9	271.0	296.8	324.9
65°	151.4	160.2	169.2	178.7	189.6	204.4	224.5	248.8	278.6	306.9	337.1
67.5°	157.5	165.2	173.6	182.1	192.2	206.8	227.9	253.7	286.1	317.0	349.3
70°	161.4	167.3	174.4	181.8	191.0	204.8	225.3	250.8	283.8	316.4	351.8
72.5°	161.2	166.4	173.0	180.1	189.1	202.3	222.4	247.8	281.4	315.8	354.1
75°	161.2	165.8	171.9	178.5	187.3	200.1	219.6	244.9	279.0	315.1	357.9
77.5°	161.3	165.4	171.0	177.1	185.7	198.0	217.0	242.1	276.7	314.5	359.9
80°	161.5	165.2	170.2	175.7	184.1	196.2	214.6	239.4	274.4	313.9	361.8
82.5°	161.8	165.2	169.5	174.5	182.7	194.5	212.3	236.9	272.2	313.3	363.8
85°	162.3	165.3	169.0	173.3	181.4	193.0	210.1	234.6	270.1	312.6	365.7
87.5°	162.7	165.4	168.5	172.3	180.3	191.6	208.2	232.3	268.0	312.0	367.7
90°	163.3	165.7	168.1	171.3	179.2	190.4	206.3	230.2	266.0	311.4	369.6
92.5°	162.7	165.4	168.5	172.3	180.3	191.6	208.2	232.3	268.0	312.0	367.7
95°	162.3	165.3	169.0	173.3	181.4	193.0	210.1	234.6	270.1	312.6	365.7
97.5°	161.8	165.2	169.5	174.5	182.7	194.5	212.3	236.9	272.2	313.3	363.8
100°	161.5	165.2	170.2	175.7	184.1	196.2	214.6	239.4	274.4	313.9	361.8
102.5°	161.3	165.4	171.0	177.1	185.7	198.0	217.0	242.1	276.7	314.5	359.9
105°	161.2	165.8	171.9	178.5	187.3	200.1	219.6	244.9	279.0	315.1	357.9
107.5°	161.2	166.4	173.0	180.1	189.1	202.3	222.4	247.8	281.4	315.8	354.1
110°	161.4	167.3	174.4	181.8	191.0	204.8	225.3	250.8	283.8	316.4	351.8





TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	157.5	165.2	173.6	182.1	192.2	206.8	227.9	253.7	286.1	317.0	349.3
115°	151.4	160.2	169.2	178.7	189.6	204.4	224.5	248.8	278.6	306.9	337.1
117.5°	145.8	155.5	165.3	175.6	187.1	202.1	221.1	243.9	271.0	296.8	324.9
120°	141.1	151.3	162.3	173.0	184.9	199.7	217.6	238.9	263.5	286.7	312.6
122.5°	137.0	147.8	159.0	170.8	182.8	197.2	214.1	233.8	255.9	276.6	300.4
125°	133.3	144.7	156.7	169.0	180.9	194.8	210.6	228.6	248.2	266.6	288.3
127.5°	130.2	142.3	155.0	167.4	179.3	192.2	206.9	223.3	240.4	256.5	276.2
130°	128.0	140.5	153.8	166.1	177.8	189.6	203.1	217.7	232.6	246.4	264.1
132.5°	126.6	139.6	153.2	165.0	176.1	187.0	199.2	212.0	224.6	236.3	252.1
135°	122.1	135.0	148.4	160.3	171.4	182.4	194.1	205.6	216.5	226.2	240.1
137.5°	116.5	128.1	139.1	149.9	159.0	168.7	179.1	188.8	198.1	206.6	219.5
140°	110.3	120.2	129.3	138.0	146.2	154.7	163.3	171.9	179.7	186.9	199.0
142.5°	103.1	111.2	118.8	126.1	133.3	140.3	147.6	154.7	161.3	167.3	178.5
145°	94.8	101.3	107.7	113.6	119.5	125.5	131.5	137.4	142.7	147.6	158.0
147.5°	85.3	90.6	95.7	100.6	105.5	110.3	115.2	119.8	124.1	128.0	137.5
150°	74.8	79.1	83.1	87.1	91.0	94.7	98.5	102.1	105.4	108.3	117.0
152.5°	63.4	66.7	69.9	73.0	75.8	78.7	81.5	84.1	86.6	88.7	96.5
155°	50.9	53.5	56.0	58.1	60.1	62.2	64.1	66.0	67.7	69.0	76.1
157.5°	43.5	44.4	45.0	45.6	46.1	46.7	47.3	48.0	48.7	49.4	55.7
160°	38.8	39.4	40.0	40.5	41.1	41.6	42.2	42.8	43.4	44.0	49.7
162.5°	33.9	34.5	35.0	35.5	36.0	36.5	37.0	37.6	38.1	38.6	43.6
165°	29.0	29.5	30.1	30.6	31.0	31.4	31.9	32.4	32.8	33.2	37.5
167.5°	24.2	24.7	25.2	25.6	25.9	26.3	26.8	27.2	27.5	27.8	31.4
170°	19.5	19.9	20.2	20.5	20.9	21.3	21.6	21.9	22.2	22.4	25.3
172.5°	14.7	15.0	15.3	15.6	15.9	16.2	16.4	16.7	16.8	17.0	19.2
175°	10.0	10.3	10.5	10.7	10.9	11.1	11.3	11.4	11.5	11.6	13.0
177.5°	5.5	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	7.6	8.3	9.0	9.7	10.3	11.0	11.6	12.2	12.8	13.3	13.8
5°	14.5	15.9	17.2	18.6	19.9	21.1	22.4	23.5	24.7	25.8	26.9
7.5°	21.3	23.4	25.4	27.4	29.4	31.3	33.3	35.8	38.2	40.5	42.8
10°	28.1	30.9	33.6	36.3	39.1	42.5	45.9	49.2	52.5	55.6	58.7
12.5°	34.9	38.4	41.8	45.5	49.9	54.2	58.5	62.6	66.6	70.6	74.5
15°	41.7	45.9	50.1	55.4	60.7	65.8	70.8	75.8	80.7	85.4	90.6
17.5°	48.5	53.3	59.1	65.2	71.3	77.2	83.0	88.7	94.3	99.1	103.6
20°	55.3	60.9	67.9	74.9	81.7	88.3	94.8	101.1	106.4	111.5	116.6
22.5°	62.0	68.8	76.7	84.4	91.9	99.1	106.1	112.0	117.8	123.4	128.8
25°	82.8	90.3	98.1	105.3	111.8	117.9	122.6	126.8	130.7	134.2	140.0
27.5°	104.0	112.6	121.2	128.6	135.3	141.0	145.3	149.4	153.0	156.4	158.7
30°	125.3	135.0	144.3	151.5	158.9	163.0	167.2	170.9	174.4	177.0	179.1
32.5°	146.9	157.2	166.5	174.0	180.1	184.2	188.1	191.6	194.4	196.5	200.3
35°	168.4	179.4	188.6	196.1	201.0	205.0	208.2	211.4	213.4	216.2	221.8
37.5°	189.8	201.5	210.4	217.7	221.2	224.6	227.7	229.9	231.9	236.4	242.1
40°	211.2	223.5	231.8	238.0	240.9	243.8	246.3	247.7	250.6	255.1	262.9
42.5°	232.5	245.3	253.0	257.8	260.0	262.4	264.0	265.0	268.5	274.0	282.2
45°	253.8	266.4	273.9	277.1	278.7	280.5	281.1	282.4	285.1	292.2	301.8
47.5°	268.7	284.1	295.3	300.3	304.0	306.0	304.7	301.8	302.2	309.6	321.0
50°	283.7	302.3	317.4	326.7	335.8	343.3	348.2	352.3	354.3	353.8	353.3
52.5°	299.0	321.3	340.3	354.6	370.0	383.7	396.3	407.6	414.4	411.8	408.9
55°	314.6	340.9	364.3	384.4	406.3	427.1	448.3	465.9	475.0	466.6	460.9
57.5°	330.4	361.2	389.4	416.0	444.7	473.2	503.8	526.5	530.8	518.7	509.3
60°	346.5	381.9	415.5	449.0	485.3	521.9	562.5	589.3	584.1	568.2	554.5
62.5°	362.7	403.2	442.3	483.2	527.6	574.0	623.0	654.0	635.2	615.0	596.7
65°	379.0	424.8	469.8	518.5	571.4	628.1	683.2	711.9	684.4	659.5	635.9
67.5°	395.5	446.7	497.9	554.6	616.4	683.9	744.6	764.6	732.1	701.9	672.6
70°	398.6	451.1	504.6	566.8	635.0	711.1	778.2	796.6	769.8	740.5	707.3
72.5°	401.1	453.8	507.9	572.8	642.3	718.9	783.8	798.4	780.1	753.1	720.6
75°	403.4	456.1	510.7	578.3	648.8	725.2	788.6	803.4	792.8	766.1	731.5
77.5°	405.4	458.0	513.1	583.3	654.4	730.1	792.5	811.0	807.6	779.6	742.6
80°	408.7	459.6	515.0	587.7	659.0	733.5	795.7	820.5	824.1	793.5	754.1
82.5°	409.7	462.3	518.5	591.6	662.8	735.6	797.9	831.4	841.8	808.1	766.0
85°	410.6	462.4	518.5	596.3	667.4	738.5	801.2	844.5	860.3	823.4	778.7
87.5°	411.6	462.6	518.5	597.6	668.3	736.9	800.0	855.2	879.3	838.9	791.7
90°	412.6	462.8	518.5	599.0	669.1	735.2	798.9	865.8	897.7	856.3	806.9
92.5°	411.6	462.6	518.5	597.6	668.3	736.9	800.0	855.2	879.3	838.9	791.7
95°	410.6	462.4	518.5	596.3	667.4	738.5	801.2	844.5	860.3	823.4	778.7
97.5°	409.7	462.3	518.5	591.6	662.8	735.6	797.9	831.4	841.8	808.1	766.0
100°	408.7	459.6	515.0	587.7	659.0	733.5	795.7	820.5	824.1	793.5	754.1
102.5°	405.4	458.0	513.1	583.3	654.4	730.1	792.5	811.0	807.6	779.6	742.6
105°	403.4	456.1	510.7	578.3	648.8	725.2	788.6	803.4	792.8	766.1	731.5
107.5°	401.1	453.8	507.9	572.8	642.3	718.9	783.8	798.4	780.1	753.1	720.6
110°	398.6	451.1	504.6	566.8	635.0	711.1	778.2	796.6	769.8	740.5	707.3



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	395.5	446.7	497.9	554.6	616.4	683.9	744.6	764.6	732.1	701.9	672.6
115°	379.0	424.8	469.8	518.5	571.4	628.1	683.2	711.9	684.4	659.5	635.9
117.5°	362.7	403.2	442.3	483.2	527.6	574.0	623.0	654.0	635.2	615.0	596.7
120°	346.5	381.9	415.5	449.0	485.3	521.9	562.5	589.3	584.1	568.2	554.5
122.5°	330.4	361.2	389.4	416.0	444.7	473.2	503.8	526.5	530.8	518.7	509.3
125°	314.6	340.9	364.3	384.4	406.3	427.1	448.3	465.9	475.0	466.6	460.9
127.5°	299.0	321.3	340.3	354.6	370.0	383.7	396.3	407.6	414.4	411.8	408.9
130°	283.7	302.3	317.4	326.7	335.8	343.3	348.2	352.3	354.3	353.8	353.3
132.5°	268.7	284.1	295.3	300.3	304.0	306.0	304.7	301.8	302.2	309.6	321.0
135°	253.8	266.4	273.9	277.1	278.7	280.5	281.1	282.4	285.1	292.2	301.8
137.5°	232.5	245.3	253.0	257.8	260.0	262.4	264.0	265.0	268.5	274.0	282.2
140°	211.2	223.5	231.8	238.0	240.9	243.8	246.3	247.7	250.6	255.1	262.9
142.5°	189.8	201.5	210.4	217.7	221.2	224.6	227.7	229.9	231.9	236.4	242.1
145°	168.4	179.4	188.6	196.1	201.0	205.0	208.2	211.4	213.4	216.2	221.8
147.5°	146.9	157.2	166.5	174.0	180.1	184.2	188.1	191.6	194.4	196.5	200.3
150°	125.3	135.0	144.3	151.5	158.9	163.0	167.2	170.9	174.4	177.0	179.1
152.5°	104.0	112.6	121.2	128.6	135.3	141.0	145.3	149.4	153.0	156.4	158.7
155°	82.8	90.3	98.1	105.3	111.8	117.9	122.6	126.8	130.7	134.2	140.0
157.5°	62.0	68.8	76.7	84.4	91.9	99.1	106.1	112.0	117.8	123.4	128.8
160°	55.3	60.9	67.9	74.9	81.7	88.3	94.8	101.1	106.4	111.5	116.6
162.5°	48.5	53.3	59.1	65.2	71.3	77.2	83.0	88.7	94.3	99.1	103.6
165°	41.7	45.9	50.1	55.4	60.7	65.8	70.8	75.8	80.7	85.4	90.6
167.5°	34.9	38.4	41.8	45.5	49.9	54.2	58.5	62.6	66.6	70.6	74.5
170°	28.1	30.9	33.6	36.3	39.1	42.5	45.9	49.2	52.5	55.6	58.7
172.5°	21.3	23.4	25.4	27.4	29.4	31.3	33.3	35.8	38.2	40.5	42.8
175°	14.5	15.9	17.2	18.6	19.9	21.1	22.4	23.5	24.7	25.8	26.9
177.5°	7.6	8.3	9.0	9.7	10.3	11.0	11.6	12.2	12.8	13.3	13.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	14.3	14.8	15.2	15.7	16.1	16.4	16.8	17.1	17.3	17.6	17.8
5°	28.3	29.7	31.0	32.3	33.5	34.6	35.6	36.6	37.5	38.3	39.0
7.5°	45.0	47.1	49.0	50.9	52.8	54.6	56.3	57.9	59.4	60.8	62.1
10°	61.6	64.6	67.4	70.1	72.7	75.1	77.5	79.5	81.2	82.8	84.3
12.5°	78.3	82.0	85.4	88.3	91.1	93.7	96.2	98.6	100.8	103.1	105.4
15°	93.9	97.6	101.2	104.7	108.1	111.6	115.1	118.4	121.5	124.6	127.4
17.5°	108.0	112.8	116.7	121.0	125.3	129.4	133.4	137.2	141.0	144.6	148.2
20°	121.6	126.6	131.5	136.3	140.8	145.3	149.7	154.4	159.4	164.0	168.2
22.5°	134.3	139.6	144.4	149.3	154.4	160.8	167.1	173.0	178.4	182.7	186.3
25°	145.2	150.2	155.9	163.0	170.8	178.1	185.3	191.6	197.0	201.9	206.3
27.5°	160.7	164.0	170.0	178.9	188.5	197.6	206.7	213.3	220.0	225.6	230.8
30°	183.1	189.0	195.3	203.4	211.3	220.3	230.0	238.4	246.7	253.6	260.1
32.5°	206.2	213.1	221.6	230.3	239.7	248.7	258.3	267.7	276.4	283.4	289.6
35°	228.5	237.3	246.6	256.8	267.1	278.0	288.5	297.4	305.8	315.2	325.4
37.5°	250.9	260.4	271.3	282.7	294.5	305.8	316.0	326.6	338.9	352.0	363.5
40°	271.9	283.5	295.4	308.2	320.4	331.9	345.0	358.7	373.3	388.2	403.7
42.5°	293.5	305.7	319.1	332.3	345.1	359.8	374.8	391.9	410.0	428.6	448.5
45°	313.9	327.7	341.7	355.6	371.2	387.4	406.2	425.5	447.7	471.9	501.0
47.5°	334.2	348.5	363.6	379.6	396.7	416.6	437.6	461.3	489.0	520.0	559.4
50°	355.8	369.1	385.2	403.1	423.3	445.1	469.9	498.9	532.8	576.3	623.7
52.5°	408.5	410.7	416.5	426.7	450.1	474.1	502.8	537.0	583.5	635.5	694.8
55°	457.4	456.7	460.4	469.1	483.8	503.6	534.4	581.7	635.3	695.7	766.5
57.5°	502.1	498.3	499.6	507.2	521.7	544.9	580.2	626.7	685.5	758.1	838.5
60°	543.1	535.3	534.9	542.3	558.6	584.8	629.3	681.3	744.1	818.5	913.8
62.5°	580.8	569.6	566.1	573.1	592.9	628.7	676.4	733.5	807.9	894.9	996.3
65°	615.0	600.7	596.2	604.0	626.2	667.4	719.7	789.5	873.1	969.9	1085.9
67.5°	646.1	628.3	623.0	633.4	661.6	705.4	762.7	840.2	933.2	1044.7	1176.5
70°	675.6	653.5	646.6	660.0	692.7	739.5	806.6	891.8	992.1	1111.4	1259.1
72.5°	692.3	675.1	671.8	686.7	720.5	771.4	845.2	936.5	1044.0	1173.6	1315.5
75°	705.0	692.8	695.2	714.6	751.0	804.8	882.8	975.9	1085.5	1221.9	1360.3
77.5°	718.9	711.6	717.9	740.7	779.6	839.5	920.9	1016.0	1128.4	1259.1	1396.7
80°	733.8	731.2	740.0	765.1	805.6	870.0	953.2	1047.9	1163.3	1291.9	1441.8
82.5°	749.6	751.4	761.4	787.9	829.2	896.5	980.0	1072.0	1188.6	1315.4	1472.5
85°	766.1	772.0	782.3	809.2	850.5	919.1	1001.7	1089.1	1204.9	1329.9	1489.5
87.5°	783.0	792.9	802.9	829.8	870.6	939.8	1020.6	1102.4	1216.2	1339.6	1498.8
90°	800.5	813.3	822.8	848.3	887.3	954.2	1031.5	1106.4	1213.9	1333.4	1485.5
92.5°	783.0	792.9	802.9	829.8	870.6	939.8	1020.6	1102.4	1216.2	1339.6	1498.8
95°	766.1	772.0	782.3	809.2	850.5	919.1	1001.7	1089.1	1204.9	1329.9	1489.5
97.5°	749.6	751.4	761.4	787.9	829.2	896.5	980.0	1072.0	1188.6	1315.4	1472.5
100°	733.8	731.2	740.0	765.1	805.6	870.0	953.2	1047.9	1163.3	1291.9	1441.8
102.5°	718.9	711.6	717.9	740.7	779.6	839.5	920.9	1016.0	1128.4	1259.1	1396.7
105°	705.0	692.8	695.2	714.6	751.0	804.8	882.8	975.9	1085.5	1221.9	1360.3
107.5°	692.3	675.1	671.8	686.7	720.5	771.4	845.2	936.5	1044.0	1173.6	1315.5
110°	675.6	653.5	646.6	660.0	692.7	739.5	806.6	891.8	992.1	1111.4	1259.1



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	646.1	628.3	623.0	633.4	661.6	705.4	762.7	840.2	933.2	1044.7	1176.5
115°	615.0	600.7	596.2	604.0	626.2	667.4	719.7	789.5	873.1	969.9	1085.9
117.5°	580.8	569.6	566.1	573.1	592.9	628.7	676.4	733.5	807.9	894.9	996.3
120°	543.1	535.3	534.9	542.3	558.6	584.8	629.3	681.3	744.1	818.5	913.8
122.5°	502.1	498.3	499.6	507.2	521.7	544.9	580.2	626.7	685.5	758.1	838.5
125°	457.4	456.7	460.4	469.1	483.8	503.6	534.4	581.7	635.3	695.7	766.5
127.5°	408.5	410.7	416.5	426.7	450.1	474.1	502.8	537.0	583.5	635.5	694.8
130°	355.8	369.1	385.2	403.1	423.3	445.1	469.9	498.9	532.8	576.3	623.7
132.5°	334.2	348.5	363.6	379.6	396.7	416.6	437.6	461.3	489.0	520.0	559.4
135°	313.9	327.7	341.7	355.6	371.2	387.4	406.2	425.5	447.7	471.9	501.0
137.5°	293.5	305.7	319.1	332.3	345.1	359.8	374.8	391.9	410.0	428.6	448.5
140°	271.9	283.5	295.4	308.2	320.4	331.9	345.0	358.7	373.3	388.2	403.7
142.5°	250.9	260.4	271.3	282.7	294.5	305.8	316.0	326.6	338.9	352.0	363.5
145°	228.5	237.3	246.6	256.8	267.1	278.0	288.5	297.4	305.8	315.2	325.4
147.5°	206.2	213.1	221.6	230.3	239.7	248.7	258.3	267.7	276.4	283.4	289.6
150°	183.1	189.0	195.3	203.4	211.3	220.3	230.0	238.4	246.7	253.6	260.1
152.5°	160.7	164.0	170.0	178.9	188.5	197.6	206.7	213.3	220.0	225.6	230.8
155°	145.2	150.2	155.9	163.0	170.8	178.1	185.3	191.6	197.0	201.9	206.3
157.5°	134.3	139.6	144.4	149.3	154.4	160.8	167.1	173.0	178.4	182.7	186.3
160°	121.6	126.6	131.5	136.3	140.8	145.3	149.7	154.4	159.4	164.0	168.2
162.5°	108.0	112.8	116.7	121.0	125.3	129.4	133.4	137.2	141.0	144.6	148.2
165°	93.9	97.6	101.2	104.7	108.1	111.6	115.1	118.4	121.5	124.6	127.4
167.5°	78.3	82.0	85.4	88.3	91.1	93.7	96.2	98.6	100.8	103.1	105.4
170°	61.6	64.6	67.4	70.1	72.7	75.1	77.5	79.5	81.2	82.8	84.3
172.5°	45.0	47.1	49.0	50.9	52.8	54.6	56.3	57.9	59.4	60.8	62.1
175°	28.3	29.7	31.0	32.3	33.5	34.6	35.6	36.6	37.5	38.3	39.0
177.5°	14.3	14.8	15.2	15.7	16.1	16.4	16.8	17.1	17.3	17.6	17.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	18.0	18.1	18.2	18.3	18.3	18.4	18.9	18.7	18.4	18.2	18.0
5°	39.7	40.2	40.7	41.1	41.4	41.6	41.7	41.8	42.4	42.0	41.5
7.5°	63.2	64.2	65.1	65.8	66.4	66.9	67.2	67.4	67.4	67.9	67.3
10°	85.6	86.8	87.8	88.7	89.4	90.0	90.4	90.6	90.7	91.4	90.6
12.5°	107.5	109.4	111.2	112.8	114.1	115.3	116.3	117.0	117.5	117.8	118.4
15°	130.2	132.7	135.1	137.4	139.4	141.2	142.8	144.2	145.2	146.0	147.2
17.5°	151.6	154.7	157.6	160.2	162.4	164.3	165.9	167.2	168.2	168.8	169.8
20°	172.2	175.3	177.2	178.6	179.6	180.0	180.1	179.8	179.2	178.3	177.4
22.5°	189.2	191.4	193.3	194.9	195.8	196.2	196.0	195.3	194.1	192.5	190.9
25°	209.9	212.7	214.6	216.4	217.4	217.6	217.1	215.9	214.0	211.6	208.7
27.5°	235.2	238.6	241.0	242.8	244.2	244.9	244.8	244.0	242.5	240.3	237.3
30°	264.2	268.2	271.4	273.8	278.7	282.8	286.0	288.2	289.4	289.6	288.6
32.5°	295.9	304.0	311.5	318.3	325.7	333.1	339.7	345.2	349.5	352.5	354.1
35°	335.3	346.2	357.4	368.2	378.9	390.8	401.6	411.1	419.1	425.5	430.0
37.5°	376.8	390.8	407.3	423.3	438.7	456.2	472.6	487.2	499.6	509.7	517.2
40°	421.3	440.0	463.2	487.0	509.5	533.2	557.8	580.0	599.5	616.0	629.0
42.5°	473.3	499.3	528.4	562.1	594.5	626.4	660.6	690.7	716.5	737.8	754.3
45°	532.1	569.3	605.0	651.3	696.7	743.0	778.4	814.8	846.7	873.6	895.2
47.5°	600.9	650.3	702.4	754.9	807.2	856.2	907.4	957.6	1001.7	1039.1	1069.3
50°	680.4	738.8	800.2	860.3	931.2	998.2	1064.6	1134.4	1195.4	1247.1	1288.6
52.5°	760.5	828.3	906.7	986.9	1078.8	1172.9	1258.5	1338.1	1410.2	1473.5	1526.4
55°	841.6	929.7	1025.3	1135.4	1244.9	1351.3	1449.0	1525.0	1591.2	1651.1	1703.5
57.5°	931.2	1039.8	1158.5	1283.1	1410.7	1498.8	1581.3	1657.6	1725.6	1788.5	1845.0
60°	1027.0	1152.7	1289.9	1417.2	1526.8	1615.2	1689.5	1763.0	1832.4	1895.2	1951.1
62.5°	1119.6	1266.4	1407.1	1534.7	1626.0	1709.7	1781.3	1850.3	1921.5	1986.2	2043.1
65°	1224.7	1370.8	1514.0	1615.9	1704.3	1784.3	1861.6	1934.3	2003.9	2066.6	2117.7
67.5°	1321.6	1472.2	1585.0	1678.9	1765.7	1852.5	1934.7	2012.1	2082.5	2140.2	2188.0
70°	1401.6	1538.0	1645.5	1731.2	1822.1	1912.0	1998.2	2076.3	2149.5	2212.2	2255.6
72.5°	1462.6	1599.5	1693.8	1783.3	1872.2	1960.6	2048.3	2129.7	2213.0	2281.9	2318.5
75°	1518.1	1638.2	1732.6	1823.7	1915.7	2004.7	2084.0	2169.6	2252.1	2326.4	2370.2
77.5°	1564.6	1671.7	1759.9	1854.1	1950.7	2038.6	2118.5	2198.0	2293.3	2365.1	2410.1
80°	1589.4	1691.3	1778.1	1876.0	1976.6	2065.9	2148.0	2240.6	2333.6	2400.2	2431.4
82.5°	1610.4	1708.2	1799.4	1897.1	1991.0	2078.6	2167.2	2262.0	2357.7	2417.1	2445.2
85°	1625.6	1717.8	1813.0	1911.7	2004.0	2091.5	2177.3	2268.6	2367.2	2429.7	2460.8
87.5°	1638.4	1720.0	1817.9	1914.7	2007.0	2094.1	2187.7	2281.5	2381.8	2436.8	2462.4
90°	1631.3	1714.9	1813.7	1906.9	1999.3	2084.5	2185.7	2274.1	2378.4	2435.0	2449.3
92.5°	1638.4	1720.0	1817.9	1914.7	2007.0	2094.1	2187.7	2281.5	2381.8	2436.8	2462.4
95°	1625.6	1717.8	1813.0	1911.7	2004.0	2091.5	2177.3	2268.6	2367.2	2429.7	2460.8
97.5°	1610.4	1708.2	1799.4	1897.1	1991.0	2078.6	2167.2	2262.0	2357.7	2417.1	2445.2
100°	1589.4	1691.3	1778.1	1876.0	1976.6	2065.9	2148.0	2240.6	2333.6	2400.2	2431.4
102.5°	1564.6	1671.7	1759.9	1854.1	1950.7	2038.6	2118.5	2198.0	2293.3	2365.1	2410.1
105°	1518.1	1638.2	1732.6	1823.7	1915.7	2004.7	2084.0	2169.6	2252.1	2326.4	2370.2
107.5°	1462.6	1599.5	1693.8	1783.3	1872.2	1960.6	2048.3	2129.7	2213.0	2282.0	2318.5
110°	1401.6	1538.0	1645.5	1731.2	1822.1	1912.0	1998.2	2076.3	2149.5	2212.2	2255.6



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-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°	1321.6	1472.2	1585.0	1678.9	1765.7	1852.5	1934.7	2012.1	2082.5	2140.2	2188.0
115°	1224.7	1370.8	1514.0	1615.9	1704.3	1784.3	1861.6	1934.3	2003.9	2066.6	2117.7
117.5°	1119.6	1266.4	1407.1	1534.7	1626.0	1709.7	1781.3	1850.3	1921.5	1986.2	2043.1
120°	1027.0	1152.7	1289.9	1417.2	1526.8	1615.2	1689.5	1763.0	1832.4	1895.2	1951.1
122.5°	931.2	1039.8	1158.5	1283.1	1410.7	1498.8	1581.3	1657.6	1725.6	1788.5	1845.0
125°	841.6	929.7	1025.3	1135.4	1244.9	1351.3	1449.0	1525.0	1591.2	1651.1	1703.5
127.5°	760.5	828.3	906.7	986.9	1078.8	1172.9	1258.5	1338.1	1410.2	1473.5	1526.4
130°	680.4	738.8	800.2	860.3	931.2	998.2	1064.6	1134.4	1195.4	1247.1	1288.6
132.5°	600.9	650.3	702.4	754.9	807.2	856.2	907.4	957.6	1001.7	1039.1	1069.3
135°	532.1	569.3	605.0	651.3	696.7	743.0	778.4	814.8	846.7	873.6	895.2
137.5°	473.3	499.3	528.4	562.1	594.5	626.4	660.6	690.7	716.5	737.8	754.3
140°	421.3	440.0	463.2	487.0	509.5	533.2	557.8	580.0	599.5	616.0	629.0
142.5°	376.8	390.8	407.3	423.3	438.7	456.2	472.6	487.2	499.6	509.7	517.2
145°	335.3	346.2	357.4	368.2	378.9	390.8	401.6	411.1	419.1	425.5	430.0
147.5°	295.9	304.0	311.5	318.3	325.7	333.1	339.7	345.2	349.5	352.5	354.1
150°	264.2	268.2	271.4	273.8	278.7	282.8	286.0	288.2	289.4	289.6	288.6
152.5°	235.2	238.6	241.0	242.8	244.2	244.9	244.8	244.0	242.5	240.3	237.3
155°	209.9	212.7	214.6	216.4	217.4	217.6	217.1	215.9	214.0	211.6	208.7
157.5°	189.2	191.4	193.3	194.9	195.8	196.2	196.0	195.3	194.1	192.5	190.9
160°	172.2	175.3	177.2	178.6	179.6	180.0	180.1	179.8	179.2	178.3	177.4
162.5°	151.6	154.7	157.6	160.2	162.4	164.3	165.9	167.2	168.2	168.8	169.8
165°	130.2	132.7	135.1	137.4	139.4	141.2	142.8	144.2	145.2	146.0	147.2
167.5°	107.5	109.4	111.2	112.8	114.1	115.3	116.3	117.0	117.5	117.8	118.4
170°	85.6	86.8	87.8	88.7	89.4	90.0	90.4	90.6	90.7	91.4	90.6
172.5°	63.2	64.2	65.1	65.8	66.4	66.9	67.2	67.4	67.4	67.9	67.3
175°	39.7	40.2	40.7	41.1	41.4	41.6	41.7	41.8	42.4	42.0	41.5
177.5°	18.0	18.1	18.2	18.3	18.3	18.4	18.9	18.7	18.4	18.2	18.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	0.8	0.8
2.5°	17.7	17.5
5°	41.1	40.6
7.5°	66.7	66.1
10°	89.9	89.2
12.5°	117.7	117.1
15°	146.9	146.6
17.5°	169.3	168.9
20°	175.9	174.4
22.5°	188.3	185.6
25°	205.5	201.5
27.5°	234.0	229.4
30°	287.0	282.8
32.5°	354.9	352.1
35°	433.6	432.5
37.5°	523.6	524.1
40°	640.5	643.6
42.5°	768.6	772.6
45°	914.3	920.8
47.5°	1095.9	1105.6
50°	1325.1	1338.2
52.5°	1574.7	1595.4
55°	1752.6	1780.2
57.5°	1898.8	1933.2
60°	2003.5	2039.9
62.5°	2092.1	2133.1
65°	2158.8	2192.0
67.5°	2226.4	2256.6
70°	2285.7	2305.9
72.5°	2344.1	2360.1
75°	2391.4	2403.9
77.5°	2421.2	2422.2
80°	2443.1	2446.1
82.5°	2458.5	2466.8
85°	2475.5	2467.6
87.5°	2480.9	2478.0
90°	2477.2	2472.4
92.5°	2480.9	2478.0
95°	2475.5	2467.6
97.5°	2458.5	2466.8
100°	2443.1	2446.1
102.5°	2421.2	2422.2
105°	2391.4	2403.9
107.5°	2344.1	2360.1
110°	2285.7	2305.9





TEST NUMBER: P232076

CATALOG NUMBER: FVS4WM-3-LD4-30-2LO-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2226.4	2256.6
115°	2158.8	2192.0
117.5°	2092.1	2133.1
120°	2003.5	2039.9
122.5°	1898.8	1933.2
125°	1752.6	1780.2
127.5°	1574.7	1595.4
130°	1325.1	1338.2
132.5°	1095.9	1105.6
135°	914.3	920.8
137.5°	768.6	772.6
140°	640.5	643.6
142.5°	523.6	524.1
145°	433.6	432.5
147.5°	354.9	352.1
150°	287.0	282.8
152.5°	234.0	229.4
155°	205.5	201.5
157.5°	188.3	185.6
160°	175.9	174.4
162.5°	169.3	168.9
165°	146.9	146.6
167.5°	117.7	117.1
170°	89.9	89.2
172.5°	66.7	66.1
175°	41.1	40.6
177.5°	17.7	17.5
180°	0.0	0.0

(END OF REPORT)