

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: P231943

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-2-LD4-50-2HI-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
2FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (84) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

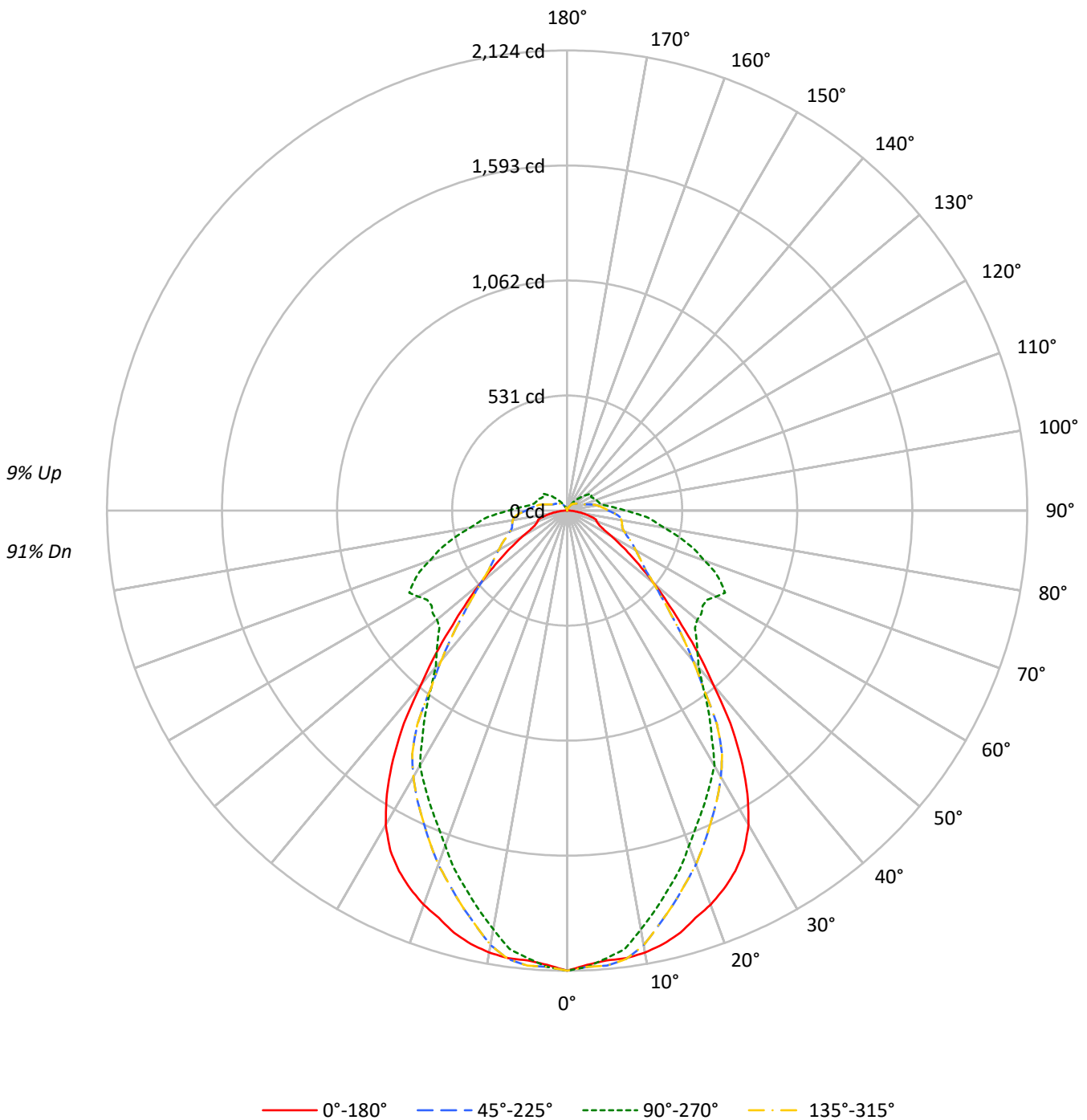
Lumens per Lamp: N/A
Luminaire Lumens: 4696.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 0.98 / 1.07
Luminous Opening: Rectangular w/ Sides (W: 1.92' x L: 0.19' x H: 0.31')
CIE Type: Direct

Input Watts (W): 44.8
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	106	101	96	92	102	98	93	90	92	88	85	86	83	81	81	79	77	74
2	97	88	81	76	93	86	79	74	81	75	71	76	72	68	72	68	65	62
3	89	78	70	64	85	76	69	63	72	66	61	68	63	58	64	60	56	54
4	82	70	62	55	79	68	60	54	65	58	53	61	56	51	58	53	49	47
5	76	63	55	48	73	62	54	48	59	52	46	56	50	45	53	48	44	41
6	70	58	49	43	68	56	48	42	53	47	41	51	45	40	49	43	39	37
7	66	53	44	39	63	51	44	38	49	42	37	47	41	36	45	40	35	33
8	61	49	40	35	59	47	40	34	45	39	34	43	37	33	42	36	32	30
9	58	45	37	32	56	44	36	31	42	35	31	40	34	30	39	33	30	28
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	36	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	63603	63603	63603	63603
5°	54689	61492	54689	61492
10°	48683	58007	48683	58007
15°	43251	53699	43251	53699
20°	38409	49493	38409	49493
25°	34136	45968	34136	45968
30°	29512	42967	29512	42967
35°	23636	37419	23636	37419
40°	17095	32430	17095	32430
45°	11878	30768	11878	30768
50°	8164	30580	8164	30580
55°	5473	32365	5473	32365
60°	3662	37071	3662	37071
65°	2567	41101	2567	41101
70°	2259	40746	2259	40746
75°	1957	40937	1957	40937
80°	1187	40642	1187	40642
85°	560	45135	560	45135



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	4.2
10°-20°	533.8	11.4
20°-30°	741.3	15.8
30°-40°	760.0	16.2
40°-50°	571.4	12.2
50°-60°	447.9	9.5
60°-70°	427.9	9.1
70°-80°	344.8	7.3
80°-90°	233.5	5.0
90°-100°	144.1	3.1
100°-110°	101.0	2.2
110°-120°	75.9	1.6
120°-130°	57.2	1.2
130°-140°	34.2	0.7
140°-150°	17.5	0.4
150°-160°	6.5	0.1
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	1473.0	31.4
0°-40°	2233.0	47.6
0°-60°	3252.3	69.3
0°-90°	4258.5	90.7
90°-120°	321.1	6.8
90°-150°	429.9	9.2
90°-180°	437.0	9.3
0°-180°	4696.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2124	2124	2124	2124	2124	
5°	2084	2074	2084	2074	2084	199
15°	2018	1807	2018	1807	2018	568
25°	1836	1497	1836	1497	1836	841
35°	1401	1140	1401	1140	1401	864
45°	748	845	748	845	748	586
55°	354	764	354	764	354	324
65°	166	783	166	783	166	174
75°	122	569	122	569	122	123
85°	33	376	33	376	33	35
90°	0	269	0	269	0	2
95°	0	204	0	204	0	0
105°	0	150	0	150	0	0
115°	0	134	0	134	0	0
125°	0	135	0	135	0	0
135°	1	86	1	86	1	1
145°	1	42	1	42	1	1
155°	1	17	1	17	1	1
165°	1	4	1	4	1	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2098.4	2098.9	2099.4	2099.9	2100.4	2100.8	2101.3	2101.8	2102.3	2102.8	2103.4
5°	2084.2	2085.9	2087.6	2089.3	2091.0	2092.7	2094.4	2096.1	2097.8	2099.5	2100.5
7.5°	2084.2	2084.4	2084.7	2084.9	2085.2	2085.4	2085.7	2085.9	2086.2	2086.4	2086.5
10°	2071.1	2070.4	2069.7	2068.9	2068.2	2067.5	2066.8	2066.0	2065.3	2064.6	2061.5
12.5°	2049.3	2047.7	2046.2	2044.6	2043.0	2041.5	2039.9	2038.3	2036.8	2035.2	2026.6
15°	2017.7	2013.5	2009.2	2005.0	2000.8	1996.5	1992.3	1988.1	1983.8	1979.6	1969.1
17.5°	1970.9	1964.5	1958.1	1951.6	1945.2	1938.8	1932.4	1925.9	1919.5	1913.1	1901.6
20°	1936.0	1925.9	1915.9	1905.8	1895.8	1885.7	1875.7	1865.6	1855.6	1845.5	1833.5
22.5°	1890.2	1876.6	1863.1	1849.5	1835.9	1822.4	1808.8	1795.2	1781.7	1768.1	1755.7
25°	1835.7	1819.2	1802.7	1786.3	1769.8	1753.3	1736.8	1720.4	1703.9	1687.4	1675.1
27.5°	1768.1	1749.2	1730.3	1711.4	1692.5	1673.7	1654.8	1635.9	1617.0	1598.1	1587.2
30°	1674.4	1657.0	1639.5	1622.1	1604.6	1587.2	1569.7	1552.3	1534.8	1517.4	1506.5
32.5°	1549.0	1534.5	1519.9	1505.4	1490.9	1476.3	1461.8	1447.3	1432.7	1418.2	1408.5
35°	1400.8	1390.3	1379.7	1369.2	1358.6	1348.1	1337.5	1327.0	1316.4	1305.9	1294.8
37.5°	1237.2	1231.0	1224.8	1218.7	1212.5	1206.3	1200.1	1194.0	1187.8	1181.6	1165.0
40°	1048.7	1042.6	1036.6	1030.5	1024.5	1018.4	1012.4	1006.3	1000.3	994.2	984.0
42.5°	897.1	889.8	882.6	875.3	868.0	860.8	853.5	846.2	839.0	831.7	826.5
45°	747.8	742.5	737.1	731.8	726.5	721.1	715.8	710.5	705.1	699.8	697.5
47.5°	625.7	621.6	617.5	613.3	609.2	605.1	601.0	596.8	592.7	588.6	588.7
50°	523.2	520.5	517.9	515.2	512.6	509.9	507.3	504.6	502.0	499.3	501.4
52.5°	431.7	430.5	429.3	428.1	426.9	425.6	424.4	423.2	422.0	420.8	425.2
55°	354.3	355.3	356.2	357.2	358.2	359.1	360.1	361.1	362.0	363.0	369.7
57.5°	287.8	291.2	294.6	298.0	301.4	304.7	308.1	311.5	314.9	318.3	326.4
60°	237.6	242.7	247.8	252.9	258.0	263.0	268.1	273.2	278.3	283.4	292.5
62.5°	191.9	198.8	205.7	212.6	219.5	226.4	233.3	240.2	247.1	254.0	263.9
65°	165.7	173.0	180.2	187.5	194.8	202.0	209.3	216.6	223.8	231.1	240.8
67.5°	153.7	159.3	164.8	170.4	176.0	181.5	187.1	192.7	198.2	203.8	214.1
70°	143.9	147.7	151.4	155.2	158.9	162.7	166.4	170.2	173.9	177.7	189.0
72.5°	140.6	142.2	143.8	145.3	146.9	148.5	150.1	151.6	153.2	154.8	167.3
75°	122.1	123.6	125.0	126.5	127.9	129.4	130.8	132.3	133.7	135.2	149.4
77.5°	94.8	97.8	100.9	103.9	106.9	110.0	113.0	116.0	119.1	122.1	137.4
80°	71.9	75.8	79.7	83.5	87.4	91.3	95.2	99.0	102.9	106.8	123.2
82.5°	52.3	56.5	60.8	65.0	69.3	73.5	77.8	82.0	86.3	90.5	108.1
85°	32.7	37.4	42.1	46.9	51.6	56.3	61.0	65.8	70.5	75.2	92.6
87.5°	14.2	18.9	23.6	28.4	33.1	37.8	42.5	47.3	52.0	56.7	73.8
90°	0.0	4.8	9.7	14.5	19.4	24.2	29.1	33.9	38.8	43.6	59.8
92.5°	0.0	4.7	9.4	14.2	18.9	23.6	28.3	33.1	37.8	42.5	57.5
95°	0.0	4.6	9.2	13.8	18.4	23.0	27.6	32.2	36.8	41.4	55.0
97.5°	0.0	4.6	9.2	13.8	18.4	23.0	27.6	32.2	36.8	41.4	53.5
100°	0.0	4.5	9.0	13.4	17.9	22.4	26.9	31.3	35.8	40.3	51.3
102.5°	0.0	4.4	8.7	13.1	17.4	21.8	26.1	30.5	34.8	39.2	48.9
105°	0.0	4.4	8.7	13.1	17.4	21.8	26.1	30.5	34.8	39.2	47.0
107.5°	0.0	4.2	8.5	12.7	17.0	21.2	25.5	29.7	34.0	38.2	44.5
110°	0.0	4.1	8.2	12.4	16.5	20.6	24.7	28.9	33.0	37.1	42.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	4.0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	36.0	40.4
115°	0.0	3.8	7.5	11.3	15.0	18.8	22.5	26.3	30.0	33.8	37.7
117.5°	0.0	3.6	7.3	10.9	14.5	18.2	21.8	25.4	29.1	32.7	36.3
120°	0.0	3.5	7.0	10.5	14.0	17.6	21.1	24.6	28.1	31.6	35.0
122.5°	0.0	3.4	6.8	10.2	13.6	16.9	20.3	23.7	27.1	30.5	33.8
125°	0.0	3.1	6.3	9.4	12.6	15.7	18.9	22.0	25.2	28.3	31.5
127.5°	0.0	3.0	6.1	9.1	12.1	15.2	18.2	21.2	24.3	27.3	30.2
130°	0.0	2.8	5.6	8.4	11.2	13.9	16.7	19.5	22.3	25.1	27.9
132.5°	0.0	2.7	5.3	8.0	10.7	13.3	16.0	18.7	21.3	24.0	26.5
135°	1.1	3.5	5.9	8.4	10.8	13.2	15.6	18.1	20.5	22.9	25.3
137.5°	1.1	3.4	5.7	8.0	10.3	12.6	14.9	17.2	19.5	21.8	24.1
140°	1.1	3.3	5.5	7.6	9.8	12.0	14.2	16.3	18.5	20.7	22.8
142.5°	1.1	3.0	5.0	6.9	8.8	10.8	12.7	14.6	16.6	18.5	20.6
145°	1.1	2.8	4.5	6.2	7.9	9.6	11.3	13.0	14.7	16.4	18.3
147.5°	1.1	2.7	4.3	5.8	7.4	9.0	10.6	12.1	13.7	15.3	16.9
150°	1.1	2.4	3.8	5.1	6.4	7.8	9.1	10.4	11.8	13.1	14.4
152.5°	1.1	2.2	3.3	4.4	5.5	6.5	7.6	8.7	9.8	10.9	12.0
155°	1.1	1.9	2.8	3.6	4.5	5.3	6.2	7.0	7.9	8.7	9.6
157.5°	1.1	1.7	2.3	2.9	3.5	4.1	4.7	5.3	5.9	6.5	7.2
160°	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.7	4.0	4.4	5.1
162.5°	1.1	1.3	1.6	1.8	2.1	2.3	2.6	2.8	3.1	3.3	3.8
165°	1.1	1.2	1.3	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2104.0	2104.6	2105.2	2105.8	2106.4	2107.0	2107.6	2108.2	2108.6	2108.9	2109.3
5°	2101.4	2102.4	2103.4	2104.3	2105.3	2106.3	2107.2	2108.2	2105.7	2103.1	2100.6
7.5°	2086.6	2086.8	2086.9	2087.0	2087.1	2087.3	2087.4	2087.5	2083.9	2080.2	2076.6
10°	2058.3	2055.2	2052.0	2048.9	2045.7	2042.6	2039.4	2036.3	2029.4	2022.5	2015.6
12.5°	2018.0	2009.4	2000.8	1992.2	1983.6	1975.0	1966.4	1957.8	1951.1	1944.5	1937.8
15°	1958.5	1948.0	1937.4	1926.9	1916.3	1905.8	1895.2	1884.7	1877.6	1870.4	1863.3
17.5°	1890.1	1878.6	1867.1	1855.5	1844.0	1832.5	1821.0	1809.5	1802.5	1795.5	1788.4
20°	1821.5	1809.5	1797.5	1785.6	1773.6	1761.6	1749.6	1737.6	1730.7	1723.8	1716.9
22.5°	1743.4	1731.0	1718.7	1706.3	1694.0	1681.6	1669.3	1656.9	1650.1	1643.3	1636.6
25°	1662.7	1650.4	1638.0	1625.7	1613.3	1601.0	1588.6	1576.3	1570.0	1563.7	1557.4
27.5°	1576.3	1565.4	1554.5	1543.5	1532.6	1521.7	1510.8	1499.9	1493.2	1486.6	1479.9
30°	1495.6	1484.7	1473.8	1462.9	1452.0	1441.1	1430.2	1419.3	1413.7	1408.1	1402.6
32.5°	1398.8	1389.1	1379.4	1369.8	1360.1	1350.4	1340.7	1331.0	1322.5	1314.0	1305.6
35°	1283.6	1272.5	1261.3	1250.2	1239.0	1227.9	1216.7	1205.6	1198.2	1190.8	1183.4
37.5°	1148.4	1131.8	1115.2	1098.7	1082.1	1065.5	1048.9	1032.3	1032.2	1032.1	1031.9
40°	973.8	963.7	953.5	943.3	933.1	923.0	912.8	902.6	903.9	905.3	906.6
42.5°	821.3	816.1	810.9	805.7	800.5	795.3	790.1	784.9	788.8	792.6	796.5
45°	695.2	692.9	690.6	688.3	686.0	683.7	681.4	679.1	686.1	693.1	700.2
47.5°	588.8	589.0	589.1	589.2	589.3	589.5	589.6	589.7	600.4	611.0	621.7
50°	503.4	505.5	507.5	509.6	511.6	513.7	515.7	517.8	532.0	546.1	560.3
52.5°	429.5	433.9	438.2	442.6	446.9	451.3	455.6	460.0	478.3	496.6	514.9
55°	376.3	383.0	389.7	396.3	403.0	409.7	416.3	423.0	444.4	465.9	487.3
57.5°	334.5	342.6	350.7	358.9	367.0	375.1	383.2	391.3	418.0	444.6	471.3
60°	301.6	310.7	319.8	328.8	337.9	347.0	356.1	365.2	396.9	428.7	460.4
62.5°	273.9	283.8	293.7	303.7	313.6	323.5	333.5	343.4	380.5	417.5	454.6
65°	250.5	260.2	269.9	279.5	289.2	298.9	308.6	318.3	362.3	406.2	450.2
67.5°	224.4	234.7	245.0	255.3	265.6	275.9	286.2	296.5	346.5	396.5	446.6
70°	200.2	211.5	222.8	234.0	245.3	256.6	267.8	279.1	326.1	373.1	420.1
72.5°	179.8	192.2	204.7	217.2	229.7	242.1	254.6	267.1	306.7	346.3	385.9
75°	163.5	177.7	191.9	206.0	220.2	234.4	248.5	262.7	295.3	327.9	360.4
77.5°	152.6	167.9	183.1	198.4	213.6	228.9	244.1	259.4	285.4	311.5	337.5
80°	139.5	155.9	172.2	188.6	204.9	221.3	237.6	254.0	274.7	295.4	316.1
82.5°	125.6	143.2	160.7	178.3	195.8	213.4	230.9	248.5	264.4	280.2	296.1
85°	110.1	127.5	145.0	162.4	179.9	197.3	214.8	232.2	244.9	257.6	270.3
87.5°	90.9	107.9	125.0	142.1	159.2	176.2	193.3	210.4	222.1	233.9	245.6
90°	76.1	92.3	108.5	124.8	141.0	157.2	173.5	189.7	200.0	210.3	220.6
92.5°	72.5	87.6	102.6	117.6	132.6	147.7	162.7	177.7	185.0	192.2	199.5
95°	68.5	82.1	95.7	109.2	122.8	136.4	149.9	163.5	168.8	174.2	179.5
97.5°	65.6	77.7	89.8	102.0	114.1	126.2	138.3	150.4	154.9	159.4	163.9
100°	62.3	73.4	84.4	95.4	106.4	117.5	128.5	139.5	143.4	147.3	151.1
102.5°	58.6	68.3	78.0	87.6	97.3	107.0	116.7	126.4	130.4	134.4	138.4
105°	54.7	62.5	70.2	78.0	85.7	93.5	101.2	109.0	114.3	119.7	125.0
107.5°	50.8	57.1	63.4	69.6	75.9	82.2	88.5	94.8	101.0	107.2	113.3
110°	47.3	52.3	57.4	62.5	67.6	72.6	77.7	82.8	89.2	95.6	102.1



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	44.7	49.1	53.4	57.8	62.1	66.5	70.8	75.2	81.7	88.3	94.8
115°	41.6	45.4	49.3	53.2	57.1	60.9	64.8	68.7	75.5	82.3	89.0
117.5°	40.0	43.6	47.2	50.9	54.5	58.1	61.8	65.4	72.9	80.4	87.9
120°	38.4	41.8	45.2	48.5	51.9	55.3	58.7	62.1	69.9	77.6	85.4
122.5°	37.1	40.3	43.6	46.9	50.2	53.4	56.7	60.0	66.4	72.8	79.2
125°	34.6	37.8	40.9	44.1	47.2	50.4	53.5	56.7	62.0	67.3	72.7
127.5°	33.1	36.0	38.9	41.8	44.7	47.6	50.5	53.4	57.8	62.1	66.5
130°	30.7	33.4	36.2	39.0	41.8	44.5	47.3	50.1	53.6	57.1	60.7
132.5°	29.1	31.6	34.2	36.7	39.3	41.8	44.4	46.9	49.7	52.5	55.2
135°	27.7	30.2	32.6	35.0	37.4	39.9	42.3	44.7	46.8	48.8	50.9
137.5°	26.4	28.7	31.0	33.3	35.6	37.9	40.2	42.5	44.1	45.7	47.2
140°	24.8	26.9	28.9	31.0	33.0	35.1	37.1	39.2	40.4	41.6	42.8
142.5°	22.6	24.7	26.8	28.8	30.9	33.0	35.0	37.1	37.8	38.5	39.3
145°	20.3	22.2	24.1	26.1	28.0	29.9	31.9	33.8	34.3	34.8	35.3
147.5°	18.4	20.0	21.6	23.1	24.7	26.3	27.8	29.4	29.8	30.1	30.5
150°	15.8	17.1	18.4	19.8	21.1	22.4	23.8	25.1	25.5	25.8	26.2
152.5°	13.1	14.2	15.3	16.3	17.4	18.5	19.6	20.7	21.1	21.4	21.8
155°	10.4	11.3	12.1	13.0	13.8	14.7	15.5	16.4	16.8	17.1	17.5
157.5°	8.0	8.7	9.4	10.2	10.9	11.6	12.4	13.1	13.5	13.8	14.2
160°	5.8	6.6	7.3	8.0	8.7	9.5	10.2	10.9	10.9	10.9	10.9
162.5°	4.3	4.7	5.2	5.7	6.2	6.6	7.1	7.6	7.5	7.4	7.2
165°	2.7	2.9	3.2	3.4	3.7	3.9	4.2	4.4	4.2	3.9	3.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2109.7	2110.0	2110.4	2110.8	2111.1	2111.5	2111.1	2110.8	2110.4	2110.0	2109.7
5°	2098.0	2095.5	2092.9	2090.4	2087.8	2085.3	2084.1	2082.9	2081.7	2080.5	2079.2
7.5°	2073.0	2069.3	2065.7	2062.1	2058.4	2054.8	2053.2	2051.6	2050.1	2048.5	2046.9
10°	2008.7	2001.7	1994.8	1987.9	1981.0	1974.1	1972.8	1971.4	1970.1	1968.8	1967.4
12.5°	1931.1	1924.5	1917.8	1911.1	1904.5	1897.8	1896.5	1895.1	1893.8	1892.5	1891.1
15°	1856.1	1849.0	1841.8	1834.7	1827.5	1820.4	1819.0	1817.5	1816.1	1814.6	1813.2
17.5°	1781.4	1774.4	1767.4	1760.3	1753.3	1746.3	1744.8	1743.4	1741.9	1740.5	1739.0
20°	1710.0	1703.1	1696.2	1689.3	1682.4	1675.5	1672.1	1668.7	1665.3	1661.9	1658.5
22.5°	1629.8	1623.0	1616.2	1609.5	1602.7	1595.9	1592.6	1589.3	1586.1	1582.8	1579.5
25°	1551.1	1544.8	1538.5	1532.2	1525.9	1519.6	1517.1	1514.5	1512.0	1509.4	1506.9
27.5°	1473.3	1466.6	1460.0	1453.3	1446.7	1440.0	1438.4	1436.8	1435.3	1433.7	1432.1
30°	1397.0	1391.4	1385.8	1380.3	1374.7	1369.1	1368.0	1366.9	1365.8	1364.7	1363.7
32.5°	1297.1	1288.6	1280.1	1271.7	1263.2	1254.7	1253.4	1252.0	1250.7	1249.4	1248.0
35°	1176.0	1168.7	1161.3	1153.9	1146.5	1139.1	1139.2	1139.3	1139.5	1139.6	1139.7
37.5°	1031.8	1031.7	1031.6	1031.4	1031.3	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
40°	907.9	909.3	910.6	911.9	913.3	914.6	917.7	920.9	924.0	927.2	930.3
42.5°	800.4	804.2	808.1	812.0	815.8	819.7	827.7	835.7	843.7	851.7	859.7
45°	707.2	714.2	721.2	728.3	735.3	742.3	753.7	765.1	776.5	787.9	799.2
47.5°	632.4	643.0	653.7	664.4	675.0	685.7	698.4	711.1	723.8	736.5	749.3
50°	574.5	588.6	602.8	617.0	631.1	645.3	660.7	676.1	691.5	706.9	722.2
52.5°	533.2	551.4	569.7	588.0	606.3	624.6	642.0	659.5	676.9	694.4	711.8
55°	508.7	530.2	551.6	573.0	594.5	615.9	632.4	648.8	665.3	681.8	698.2
57.5°	497.9	524.6	551.2	577.9	604.5	631.2	646.2	661.2	676.2	691.2	706.3
60°	492.1	523.9	555.6	587.3	619.1	650.8	666.7	682.5	698.4	714.3	730.1
62.5°	491.6	528.7	565.7	602.8	639.8	676.9	693.0	709.1	725.2	741.3	757.5
65°	494.2	538.1	582.1	626.1	670.0	714.0	721.6	729.3	736.9	744.5	752.2
67.5°	496.6	546.6	596.6	646.7	696.7	746.7	745.7	744.8	743.8	742.8	741.9
70°	467.1	514.0	561.0	608.0	655.0	702.0	698.9	695.7	692.6	689.4	686.3
72.5°	425.5	465.1	504.7	544.3	583.9	623.5	623.7	624.0	624.2	624.5	624.7
75°	393.0	425.6	458.2	490.7	523.3	555.9	557.4	558.8	560.3	561.7	563.2
77.5°	363.6	389.6	415.7	441.7	467.8	493.8	495.7	497.7	499.6	501.5	503.5
80°	336.8	357.6	378.3	399.0	419.7	440.4	441.9	443.3	444.8	446.2	447.7
82.5°	312.0	327.8	343.7	359.6	375.4	391.3	393.5	395.7	397.9	400.1	402.2
85°	283.0	295.8	308.5	321.2	333.9	346.6	349.9	353.2	356.4	359.7	363.0
87.5°	257.4	269.1	280.9	292.6	304.4	316.1	316.2	316.3	316.5	316.6	316.7
90°	230.9	241.1	251.4	261.7	272.0	282.3	280.8	279.4	277.9	276.5	275.0
92.5°	206.8	214.0	221.3	228.6	235.8	243.1	242.0	240.9	239.8	238.7	237.7
95°	184.8	190.2	195.5	200.8	206.2	211.5	210.6	209.8	208.9	208.1	207.2
97.5°	168.4	172.8	177.3	181.8	186.3	190.8	189.3	187.9	186.4	185.0	183.5
100°	155.0	158.9	162.8	166.6	170.5	174.4	173.2	172.0	170.8	169.6	168.3
102.5°	142.4	146.4	150.4	154.4	158.4	162.4	161.6	160.7	159.9	159.0	158.2
105°	130.3	135.7	141.0	146.3	151.7	157.0	156.3	155.5	154.8	154.1	153.3
107.5°	119.5	125.7	131.9	138.0	144.2	150.4	149.9	149.4	149.0	148.5	148.0
110°	108.5	114.9	121.3	127.8	134.2	140.6	141.0	141.3	141.7	142.1	142.4



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	101.4	107.9	114.5	121.0	127.6	134.1	134.9	135.8	136.6	137.5	138.3
115°	95.8	102.6	109.4	116.1	122.9	129.7	130.2	130.7	131.2	131.7	132.1
117.5°	95.4	103.0	110.5	118.0	125.5	133.0	132.6	132.3	131.9	131.5	131.2
120°	93.1	100.9	108.6	116.4	124.1	131.9	131.4	130.9	130.4	129.9	129.5
122.5°	85.6	92.1	98.5	104.9	111.3	117.7	119.4	121.1	122.8	124.5	126.2
125°	78.0	83.3	88.6	94.0	99.3	104.6	108.0	111.4	114.8	118.2	121.6
127.5°	70.9	75.2	79.6	84.0	88.3	92.7	95.8	99.0	102.1	105.3	108.4
130°	64.2	67.7	71.2	74.8	78.3	81.8	84.8	87.8	90.9	93.9	96.9
132.5°	58.0	60.8	63.6	66.3	69.1	71.9	74.9	78.0	81.0	84.0	87.1
135°	52.9	55.0	57.0	59.1	61.1	63.2	65.7	68.3	70.8	73.4	75.9
137.5°	48.8	50.4	52.0	53.5	55.1	56.7	58.6	60.6	62.5	64.4	66.4
140°	44.0	45.3	46.5	47.7	48.9	50.1	51.4	52.8	54.1	55.4	56.8
142.5°	40.0	40.7	41.4	42.2	42.9	43.6	44.6	45.5	46.5	47.5	48.4
145°	35.8	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.6	40.1	40.6
147.5°	30.9	31.2	31.6	32.0	32.3	32.7	32.8	32.9	33.1	33.2	33.3
150°	26.5	26.9	27.2	27.6	27.9	28.3	28.1	27.8	27.6	27.4	27.1
152.5°	22.2	22.5	22.9	23.3	23.6	24.0	23.6	23.3	22.9	22.5	22.2
155°	17.8	18.2	18.5	18.9	19.2	19.6	19.4	19.1	18.9	18.6	18.4
157.5°	14.6	14.9	15.3	15.7	16.0	16.4	16.2	15.9	15.7	15.4	15.2
160°	10.9	10.9	10.9	10.9	10.9	10.9	11.0	11.1	11.3	11.4	11.5
162.5°	7.1	7.0	6.9	6.7	6.6	6.5	6.7	7.0	7.2	7.5	7.7
165°	3.4	3.2	2.9	2.7	2.4	2.2	2.4	2.7	2.9	3.2	3.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2109.3	2108.9	2108.6	2108.2	2108.6	2108.9	2109.3	2109.7	2110.0	2110.4	2110.8
5°	2078.0	2076.8	2075.6	2074.4	2075.6	2076.8	2078.0	2079.2	2080.5	2081.7	2082.9
7.5°	2045.3	2043.8	2042.2	2040.6	2042.2	2043.8	2045.3	2046.9	2048.5	2050.1	2051.6
10°	1966.1	1964.8	1963.4	1962.1	1963.4	1964.8	1966.1	1967.4	1968.8	1970.1	1971.4
12.5°	1889.8	1888.5	1887.1	1885.8	1887.1	1888.5	1889.8	1891.1	1892.5	1893.8	1895.1
15°	1811.7	1810.3	1808.8	1807.4	1808.8	1810.3	1811.7	1813.2	1814.6	1816.1	1817.5
17.5°	1737.6	1736.1	1734.7	1733.2	1734.7	1736.1	1737.6	1739.0	1740.5	1741.9	1743.4
20°	1655.1	1651.7	1648.3	1644.9	1648.3	1651.7	1655.1	1658.5	1661.9	1665.3	1668.7
22.5°	1576.2	1573.0	1569.7	1566.4	1569.7	1573.0	1576.2	1579.5	1582.8	1586.1	1589.3
25°	1504.3	1501.8	1499.2	1496.7	1499.2	1501.8	1504.3	1506.9	1509.4	1512.0	1514.5
27.5°	1430.5	1429.0	1427.4	1425.8	1427.4	1429.0	1430.5	1432.1	1433.7	1435.3	1436.8
30°	1362.6	1361.5	1360.4	1359.3	1360.4	1361.5	1362.6	1363.7	1364.7	1365.8	1366.9
32.5°	1246.7	1245.4	1244.0	1242.7	1244.0	1245.4	1246.7	1248.0	1249.4	1250.7	1252.0
35°	1139.8	1140.0	1140.1	1140.2	1140.1	1140.0	1139.8	1139.7	1139.6	1139.5	1139.3
37.5°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
40°	933.5	936.6	939.8	942.9	939.8	936.6	933.5	930.3	927.2	924.0	920.9
42.5°	867.7	875.7	883.7	891.7	883.7	875.7	867.7	859.7	851.7	843.7	835.7
45°	810.6	822.0	833.4	844.8	833.4	822.0	810.6	799.2	787.9	776.5	765.1
47.5°	762.0	774.7	787.4	800.1	787.4	774.7	762.0	749.3	736.5	723.8	711.1
50°	737.6	753.0	768.4	783.8	768.4	753.0	737.6	722.2	706.9	691.5	676.1
52.5°	729.3	746.7	764.2	781.6	764.2	746.7	729.3	711.8	694.4	676.9	659.5
55°	714.7	731.2	747.6	764.1	747.6	731.2	714.7	698.2	681.8	665.3	648.8
57.5°	721.3	736.3	751.3	766.3	751.3	736.3	721.3	706.3	691.2	676.2	661.2
60°	746.0	761.9	777.7	793.6	777.7	761.9	746.0	730.1	714.3	698.4	682.5
62.5°	773.6	789.7	805.8	821.9	805.8	789.7	773.6	757.5	741.3	725.2	709.1
65°	759.8	767.4	775.1	782.7	775.1	767.4	759.8	752.2	744.5	736.9	729.3
67.5°	740.9	739.9	739.0	738.0	739.0	739.9	740.9	741.9	742.8	743.8	744.8
70°	683.1	680.0	676.8	673.7	676.8	680.0	683.1	686.3	689.4	692.6	695.7
72.5°	625.0	625.2	625.5	625.7	625.5	625.2	625.0	624.7	624.5	624.2	624.0
75°	564.6	566.1	567.5	569.0	567.5	566.1	564.6	563.2	561.7	560.3	558.8
77.5°	505.4	507.3	509.3	511.2	509.3	507.3	505.4	503.5	501.5	499.6	497.7
80°	449.1	450.6	452.0	453.5	452.0	450.6	449.1	447.7	446.2	444.8	443.3
82.5°	404.4	406.6	408.8	411.0	408.8	406.6	404.4	402.2	400.1	397.9	395.7
85°	366.3	369.5	372.8	376.1	372.8	369.5	366.3	363.0	359.7	356.4	353.2
87.5°	316.8	317.0	317.1	317.2	317.1	317.0	316.8	316.7	316.6	316.5	316.3
90°	273.6	272.1	270.7	269.2	270.7	272.1	273.6	275.0	276.5	277.9	279.4
92.5°	236.6	235.5	234.4	233.3	234.4	235.5	236.6	237.7	238.7	239.8	240.9
95°	206.4	205.5	204.7	203.8	204.7	205.5	206.4	207.2	208.1	208.9	209.8
97.5°	182.1	180.6	179.2	177.7	179.2	180.6	182.1	183.5	185.0	186.4	187.9
100°	167.1	165.9	164.7	163.5	164.7	165.9	167.1	168.3	169.6	170.8	172.0
102.5°	157.3	156.5	155.6	154.8	155.6	156.5	157.3	158.2	159.0	159.9	160.7
105°	152.6	151.9	151.1	150.4	151.1	151.9	152.6	153.3	154.1	154.8	155.5
107.5°	147.5	147.1	146.6	146.1	146.6	147.1	147.5	148.0	148.5	149.0	149.4
110°	142.8	143.2	143.5	143.9	143.5	143.2	142.8	142.4	142.1	141.7	141.3



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	139.2	140.0	140.9	141.7	140.9	140.0	139.2	138.3	137.5	136.6	135.8
115°	132.6	133.1	133.6	134.1	133.6	133.1	132.6	132.1	131.7	131.2	130.7
117.5°	130.8	130.4	130.1	129.7	130.1	130.4	130.8	131.2	131.5	131.9	132.3
120°	129.0	128.5	128.0	127.5	128.0	128.5	129.0	129.5	129.9	130.4	130.9
122.5°	127.9	129.6	131.3	133.0	131.3	129.6	127.9	126.2	124.5	122.8	121.1
125°	125.0	128.4	131.8	135.2	131.8	128.4	125.0	121.6	118.2	114.8	111.4
127.5°	111.6	114.7	117.9	121.0	117.9	114.7	111.6	108.4	105.3	102.1	99.0
130°	99.9	103.0	106.0	109.0	106.0	103.0	99.9	96.9	93.9	90.9	87.8
132.5°	90.1	93.1	96.2	99.2	96.2	93.1	90.1	87.1	84.0	81.0	78.0
135°	78.5	81.0	83.6	86.1	83.6	81.0	78.5	75.9	73.4	70.8	68.3
137.5°	68.3	70.2	72.2	74.1	72.2	70.2	68.3	66.4	64.4	62.5	60.6
140°	58.1	59.4	60.8	62.1	60.8	59.4	58.1	56.8	55.4	54.1	52.8
142.5°	49.4	50.4	51.3	52.3	51.3	50.4	49.4	48.4	47.5	46.5	45.5
145°	41.1	41.5	42.0	42.5	42.0	41.5	41.1	40.6	40.1	39.6	39.2
147.5°	33.4	33.6	33.7	33.8	33.7	33.6	33.4	33.3	33.2	33.1	32.9
150°	26.9	26.7	26.4	26.2	26.4	26.7	26.9	27.1	27.4	27.6	27.8
152.5°	21.8	21.4	21.1	20.7	21.1	21.4	21.8	22.2	22.5	22.9	23.3
155°	18.1	17.9	17.6	17.4	17.6	17.9	18.1	18.4	18.6	18.9	19.1
157.5°	14.9	14.7	14.4	14.2	14.4	14.7	14.9	15.2	15.4	15.7	15.9
160°	11.6	11.8	11.9	12.0	11.9	11.8	11.6	11.5	11.4	11.3	11.1
162.5°	8.0	8.2	8.5	8.7	8.5	8.2	8.0	7.7	7.5	7.2	7.0
165°	3.7	3.9	4.2	4.4	4.2	3.9	3.7	3.4	3.2	2.9	2.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2111.1	2111.5	2111.1	2110.8	2110.4	2110.0	2109.7	2109.3	2108.9	2108.6	2108.2
5°	2084.1	2085.3	2087.8	2090.4	2092.9	2095.5	2098.0	2100.6	2103.1	2105.7	2108.2
7.5°	2053.2	2054.8	2058.4	2062.1	2065.7	2069.3	2073.0	2076.6	2080.2	2083.9	2087.5
10°	1972.8	1974.1	1981.0	1987.9	1994.8	2001.7	2008.7	2015.6	2022.5	2029.4	2036.3
12.5°	1896.5	1897.8	1904.5	1911.1	1917.8	1924.5	1931.1	1937.8	1944.5	1951.1	1957.8
15°	1819.0	1820.4	1827.5	1834.7	1841.8	1849.0	1856.1	1863.3	1870.4	1877.6	1884.7
17.5°	1744.8	1746.3	1753.3	1760.3	1767.4	1774.4	1781.4	1788.4	1795.5	1802.5	1809.5
20°	1672.1	1675.5	1682.4	1689.3	1696.2	1703.1	1710.0	1716.9	1723.8	1730.7	1737.6
22.5°	1592.6	1595.9	1602.7	1609.5	1616.2	1623.0	1629.8	1636.6	1643.3	1650.1	1656.9
25°	1517.1	1519.6	1525.9	1532.2	1538.5	1544.8	1551.1	1557.4	1563.7	1570.0	1576.3
27.5°	1438.4	1440.0	1446.7	1453.3	1460.0	1466.6	1473.3	1479.9	1486.6	1493.2	1499.9
30°	1368.0	1369.1	1374.7	1380.3	1385.8	1391.4	1397.0	1402.6	1408.1	1413.7	1419.3
32.5°	1253.4	1254.7	1263.2	1271.7	1280.1	1288.6	1297.1	1305.6	1314.0	1322.5	1331.0
35°	1139.2	1139.1	1146.5	1153.9	1161.3	1168.7	1176.0	1183.4	1190.8	1198.2	1205.6
37.5°	1031.2	1031.2	1031.3	1031.4	1031.6	1031.7	1031.8	1031.9	1032.1	1032.2	1032.3
40°	917.7	914.6	913.3	911.9	910.6	909.3	907.9	906.6	905.3	903.9	902.6
42.5°	827.7	819.7	815.8	812.0	808.1	804.2	800.4	796.5	792.6	788.8	784.9
45°	753.7	742.3	735.3	728.3	721.2	714.2	707.2	700.2	693.1	686.1	679.1
47.5°	698.4	685.7	675.0	664.4	653.7	643.0	632.4	621.7	611.0	600.4	589.7
50°	660.7	645.3	631.1	617.0	602.8	588.6	574.5	560.3	546.1	532.0	517.8
52.5°	642.0	624.6	606.3	588.0	569.7	551.4	533.2	514.9	496.6	478.3	460.0
55°	632.4	615.9	594.5	573.0	551.6	530.2	508.7	487.3	465.9	444.4	423.0
57.5°	646.2	631.2	604.5	577.9	551.2	524.6	497.9	471.3	444.6	418.0	391.3
60°	666.7	650.8	619.1	587.3	555.6	523.9	492.1	460.4	428.7	396.9	365.2
62.5°	693.0	676.9	639.8	602.8	565.7	528.7	491.6	454.6	417.5	380.5	343.4
65°	721.6	714.0	670.0	626.1	582.1	538.1	494.2	450.2	406.2	362.3	318.3
67.5°	745.7	746.7	696.7	646.7	596.6	546.6	496.6	446.6	396.5	346.5	296.5
70°	698.9	702.0	655.0	608.0	561.0	514.0	467.1	420.1	373.1	326.1	279.1
72.5°	623.7	623.5	583.9	544.3	504.7	465.1	425.5	385.9	346.3	306.7	267.1
75°	557.4	555.9	523.3	490.7	458.2	425.6	393.0	360.4	327.9	295.3	262.7
77.5°	495.7	493.8	467.8	441.7	415.7	389.6	363.6	337.5	311.5	285.4	259.4
80°	441.9	440.4	419.7	399.0	378.3	357.6	336.8	316.1	295.4	274.7	254.0
82.5°	393.5	391.3	375.4	359.6	343.7	327.8	312.0	296.1	280.2	264.4	248.5
85°	349.9	346.6	333.9	321.2	308.5	295.8	283.0	270.3	257.6	244.9	232.2
87.5°	316.2	316.1	304.4	292.6	280.9	269.1	257.4	245.6	233.9	222.1	210.4
90°	280.8	282.3	272.0	261.7	251.4	241.1	230.9	220.6	210.3	200.0	189.7
92.5°	242.0	243.1	235.8	228.6	221.3	214.0	206.8	199.5	192.2	185.0	177.7
95°	210.6	211.5	206.2	200.8	195.5	190.2	184.8	179.5	174.2	168.8	163.5
97.5°	189.3	190.8	186.3	181.8	177.3	172.8	168.4	163.9	159.4	154.9	150.4
100°	173.2	174.4	170.5	166.6	162.8	158.9	155.0	151.1	147.3	143.4	139.5
102.5°	161.6	162.4	158.4	154.4	150.4	146.4	142.4	138.4	134.4	130.4	126.4
105°	156.3	157.0	151.7	146.3	141.0	135.7	130.3	125.0	119.7	114.3	109.0
107.5°	149.9	150.4	144.2	138.0	131.9	125.7	119.5	113.3	107.2	101.0	94.8
110°	141.0	140.6	134.2	127.8	121.3	114.9	108.5	102.1	95.6	89.2	82.8



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	134.9	134.1	127.6	121.0	114.5	107.9	101.4	94.8	88.3	81.7	75.2
115°	130.2	129.7	122.9	116.1	109.4	102.6	95.8	89.0	82.3	75.5	68.7
117.5°	132.6	133.0	125.5	118.0	110.5	103.0	95.4	87.9	80.4	72.9	65.4
120°	131.4	131.9	124.1	116.4	108.6	100.9	93.1	85.4	77.6	69.9	62.1
122.5°	119.4	117.7	111.3	104.9	98.5	92.1	85.6	79.2	72.8	66.4	60.0
125°	108.0	104.6	99.3	94.0	88.6	83.3	78.0	72.7	67.3	62.0	56.7
127.5°	95.8	92.7	88.3	84.0	79.6	75.2	70.9	66.5	62.1	57.8	53.4
130°	84.8	81.8	78.3	74.8	71.2	67.7	64.2	60.7	57.1	53.6	50.1
132.5°	74.9	71.9	69.1	66.3	63.6	60.8	58.0	55.2	52.5	49.7	46.9
135°	65.7	63.2	61.1	59.1	57.0	55.0	52.9	50.9	48.8	46.8	44.7
137.5°	58.6	56.7	55.1	53.5	52.0	50.4	48.8	47.2	45.7	44.1	42.5
140°	51.4	50.1	48.9	47.7	46.5	45.3	44.0	42.8	41.6	40.4	39.2
142.5°	44.6	43.6	42.9	42.2	41.4	40.7	40.0	39.3	38.5	37.8	37.1
145°	38.7	38.2	37.7	37.2	36.7	36.2	35.8	35.3	34.8	34.3	33.8
147.5°	32.8	32.7	32.3	32.0	31.6	31.2	30.9	30.5	30.1	29.8	29.4
150°	28.1	28.3	27.9	27.6	27.2	26.9	26.5	26.2	25.8	25.5	25.1
152.5°	23.6	24.0	23.6	23.3	22.9	22.5	22.2	21.8	21.4	21.1	20.7
155°	19.4	19.6	19.2	18.9	18.5	18.2	17.8	17.5	17.1	16.8	16.4
157.5°	16.2	16.4	16.0	15.7	15.3	14.9	14.6	14.2	13.8	13.5	13.1
160°	11.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
162.5°	6.7	6.5	6.6	6.7	6.9	7.0	7.1	7.2	7.4	7.5	7.6
165°	2.4	2.2	2.4	2.7	2.9	3.2	3.4	3.7	3.9	4.2	4.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2107.6	2107.0	2106.4	2105.8	2105.2	2104.6	2104.0	2103.4	2102.8	2102.3	2101.8
5°	2107.2	2106.3	2105.3	2104.3	2103.4	2102.4	2101.4	2100.5	2099.5	2097.8	2096.1
7.5°	2087.4	2087.3	2087.1	2087.0	2086.9	2086.8	2086.6	2086.5	2086.4	2086.2	2085.9
10°	2039.4	2042.6	2045.7	2048.9	2052.0	2055.2	2058.3	2061.5	2064.6	2065.3	2066.0
12.5°	1966.4	1975.0	1983.6	1992.2	2000.8	2009.4	2018.0	2026.6	2035.2	2036.8	2038.3
15°	1895.2	1905.8	1916.3	1926.9	1937.4	1948.0	1958.5	1969.1	1979.6	1983.8	1988.1
17.5°	1821.0	1832.5	1844.0	1855.5	1867.1	1878.6	1890.1	1901.6	1913.1	1919.5	1925.9
20°	1749.6	1761.6	1773.6	1785.6	1797.5	1809.5	1821.5	1833.5	1845.5	1855.6	1865.6
22.5°	1669.3	1681.6	1694.0	1706.3	1718.7	1731.0	1743.4	1755.7	1768.1	1781.7	1795.2
25°	1588.6	1601.0	1613.3	1625.7	1638.0	1650.4	1662.7	1675.1	1687.4	1703.9	1720.4
27.5°	1510.8	1521.7	1532.6	1543.5	1554.5	1565.4	1576.3	1587.2	1598.1	1617.0	1635.9
30°	1430.2	1441.1	1452.0	1462.9	1473.8	1484.7	1495.6	1506.5	1517.4	1534.8	1552.3
32.5°	1340.7	1350.4	1360.1	1369.8	1379.4	1389.1	1398.8	1408.5	1418.2	1432.7	1447.3
35°	1216.7	1227.9	1239.0	1250.2	1261.3	1272.5	1283.6	1294.8	1305.9	1316.4	1327.0
37.5°	1048.9	1065.5	1082.1	1098.7	1115.2	1131.8	1148.4	1165.0	1181.6	1187.8	1194.0
40°	912.8	923.0	933.1	943.3	953.5	963.7	973.8	984.0	994.2	1000.3	1006.3
42.5°	790.1	795.3	800.5	805.7	810.9	816.1	821.3	826.5	831.7	839.0	846.2
45°	681.4	683.7	686.0	688.3	690.6	692.9	695.2	697.5	699.8	705.1	710.5
47.5°	589.6	589.5	589.3	589.2	589.1	589.0	588.8	588.7	588.6	592.7	596.8
50°	515.7	513.7	511.6	509.6	507.5	505.5	503.4	501.4	499.3	502.0	504.6
52.5°	455.6	451.3	446.9	442.6	438.2	433.9	429.5	425.2	420.8	422.0	423.2
55°	416.3	409.7	403.0	396.3	389.7	383.0	376.3	369.7	363.0	362.0	361.1
57.5°	383.2	375.1	367.0	358.9	350.7	342.6	334.5	326.4	318.3	314.9	311.5
60°	356.1	347.0	337.9	328.8	319.8	310.7	301.6	292.5	283.4	278.3	273.2
62.5°	333.5	323.5	313.6	303.7	293.7	283.8	273.9	263.9	254.0	247.1	240.2
65°	308.6	298.9	289.2	279.5	269.9	260.2	250.5	240.8	231.1	223.8	216.6
67.5°	286.2	275.9	265.6	255.3	245.0	234.7	224.4	214.1	203.8	198.2	192.7
70°	267.8	256.6	245.3	234.0	222.8	211.5	200.2	189.0	177.7	173.9	170.2
72.5°	254.6	242.1	229.7	217.2	204.7	192.2	179.8	167.3	154.8	153.2	151.6
75°	248.5	234.4	220.2	206.0	191.9	177.7	163.5	149.4	135.2	133.7	132.3
77.5°	244.1	228.9	213.6	198.4	183.1	167.9	152.6	137.4	122.1	119.1	116.0
80°	237.6	221.3	204.9	188.6	172.2	155.9	139.5	123.2	106.8	102.9	99.0
82.5°	230.9	213.4	195.8	178.3	160.7	143.2	125.6	108.1	90.5	86.3	82.0
85°	214.8	197.3	179.9	162.4	145.0	127.5	110.1	92.6	75.2	70.5	65.8
87.5°	193.3	176.2	159.2	142.1	125.0	107.9	90.9	73.8	56.7	52.0	47.3
90°	173.5	157.2	141.0	124.8	108.5	92.3	76.1	59.8	43.6	38.8	33.9
92.5°	162.7	147.7	132.6	117.6	102.6	87.6	72.5	57.5	42.5	37.8	33.1
95°	149.9	136.4	122.8	109.2	95.7	82.1	68.5	55.0	41.4	36.8	32.2
97.5°	138.3	126.2	114.1	102.0	89.8	77.7	65.6	53.5	41.4	36.8	32.2
100°	128.5	117.5	106.4	95.4	84.4	73.4	62.3	51.3	40.3	35.8	31.3
102.5°	116.7	107.0	97.3	87.6	78.0	68.3	58.6	48.9	39.2	34.8	30.5
105°	101.2	93.5	85.7	78.0	70.2	62.5	54.7	47.0	39.2	34.8	30.5
107.5°	88.5	82.2	75.9	69.6	63.4	57.1	50.8	44.5	38.2	34.0	29.7
110°	77.7	72.6	67.6	62.5	57.4	52.3	47.3	42.2	37.1	33.0	28.9



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	70.8	66.5	62.1	57.8	53.4	49.1	44.7	40.4	36.0	32.0	28.0
115°	64.8	60.9	57.1	53.2	49.3	45.4	41.6	37.7	33.8	30.0	26.3
117.5°	61.8	58.1	54.5	50.9	47.2	43.6	40.0	36.3	32.7	29.1	25.4
120°	58.7	55.3	51.9	48.5	45.2	41.8	38.4	35.0	31.6	28.1	24.6
122.5°	56.7	53.4	50.2	46.9	43.6	40.3	37.1	33.8	30.5	27.1	23.7
125°	53.5	50.4	47.2	44.1	40.9	37.8	34.6	31.5	28.3	25.2	22.0
127.5°	50.5	47.6	44.7	41.8	38.9	36.0	33.1	30.2	27.3	24.3	21.2
130°	47.3	44.5	41.8	39.0	36.2	33.4	30.7	27.9	25.1	22.3	19.5
132.5°	44.4	41.8	39.3	36.7	34.2	31.6	29.1	26.5	24.0	21.3	18.7
135°	42.3	39.9	37.4	35.0	32.6	30.2	27.7	25.3	22.9	20.5	18.1
137.5°	40.2	37.9	35.6	33.3	31.0	28.7	26.4	24.1	21.8	19.5	17.2
140°	37.1	35.1	33.0	31.0	28.9	26.9	24.8	22.8	20.7	18.5	16.3
142.5°	35.0	33.0	30.9	28.8	26.8	24.7	22.6	20.6	18.5	16.6	14.6
145°	31.9	29.9	28.0	26.1	24.1	22.2	20.3	18.3	16.4	14.7	13.0
147.5°	27.8	26.3	24.7	23.1	21.6	20.0	18.4	16.9	15.3	13.7	12.1
150°	23.8	22.4	21.1	19.8	18.4	17.1	15.8	14.4	13.1	11.8	10.4
152.5°	19.6	18.5	17.4	16.3	15.3	14.2	13.1	12.0	10.9	9.8	8.7
155°	15.5	14.7	13.8	13.0	12.1	11.3	10.4	9.6	8.7	7.9	7.0
157.5°	12.4	11.6	10.9	10.2	9.4	8.7	8.0	7.2	6.5	5.9	5.3
160°	10.2	9.5	8.7	8.0	7.3	6.6	5.8	5.1	4.4	4.0	3.7
162.5°	7.1	6.6	6.2	5.7	5.2	4.7	4.3	3.8	3.3	3.1	2.8
165°	4.2	3.9	3.7	3.4	3.2	2.9	2.7	2.4	2.2	2.1	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2101.3	2100.8	2100.4	2099.9	2099.4	2098.9	2098.4	2098.9	2099.4	2099.9	2100.4
5°	2094.4	2092.7	2091.0	2089.3	2087.6	2085.9	2084.2	2085.9	2087.6	2089.3	2091.0
7.5°	2085.7	2085.4	2085.2	2084.9	2084.7	2084.4	2084.2	2084.4	2084.7	2084.9	2085.2
10°	2066.8	2067.5	2068.2	2068.9	2069.7	2070.4	2071.1	2070.4	2069.7	2068.9	2068.2
12.5°	2039.9	2041.5	2043.0	2044.6	2046.2	2047.7	2049.3	2047.7	2046.2	2044.6	2043.0
15°	1992.3	1996.5	2000.8	2005.0	2009.2	2013.5	2017.7	2013.5	2009.2	2005.0	2000.8
17.5°	1932.4	1938.8	1945.2	1951.6	1958.1	1964.5	1970.9	1964.5	1958.1	1951.6	1945.2
20°	1875.7	1885.7	1895.8	1905.8	1915.9	1925.9	1936.0	1925.9	1915.9	1905.8	1895.8
22.5°	1808.8	1822.4	1835.9	1849.5	1863.1	1876.6	1890.2	1876.6	1863.1	1849.5	1835.9
25°	1736.8	1753.3	1769.8	1786.3	1802.7	1819.2	1835.7	1819.2	1802.7	1786.3	1769.8
27.5°	1654.8	1673.7	1692.5	1711.4	1730.3	1749.2	1768.1	1749.2	1730.3	1711.4	1692.5
30°	1569.7	1587.2	1604.6	1622.1	1639.5	1657.0	1674.4	1657.0	1639.5	1622.1	1604.6
32.5°	1461.8	1476.3	1490.9	1505.4	1519.9	1534.5	1549.0	1534.5	1519.9	1505.4	1490.9
35°	1337.5	1348.1	1358.6	1369.2	1379.7	1390.3	1400.8	1390.3	1379.7	1369.2	1358.6
37.5°	1200.1	1206.3	1212.5	1218.7	1224.8	1231.0	1237.2	1231.0	1224.8	1218.7	1212.5
40°	1012.4	1018.4	1024.5	1030.5	1036.6	1042.6	1048.7	1042.6	1036.6	1030.5	1024.5
42.5°	853.5	860.8	868.0	875.3	882.6	889.8	897.1	889.8	882.6	875.3	868.0
45°	715.8	721.1	726.5	731.8	737.1	742.5	747.8	742.5	737.1	731.8	726.5
47.5°	601.0	605.1	609.2	613.3	617.5	621.6	625.7	621.6	617.5	613.3	609.2
50°	507.3	509.9	512.6	515.2	517.9	520.5	523.2	520.5	517.9	515.2	512.6
52.5°	424.4	425.6	426.9	428.1	429.3	430.5	431.7	430.5	429.3	428.1	426.9
55°	360.1	359.1	358.2	357.2	356.2	355.3	354.3	355.3	356.2	357.2	358.2
57.5°	308.1	304.7	301.4	298.0	294.6	291.2	287.8	291.2	294.6	298.0	301.4
60°	268.1	263.0	258.0	252.9	247.8	242.7	237.6	242.7	247.8	252.9	258.0
62.5°	233.3	226.4	219.5	212.6	205.7	198.8	191.9	198.8	205.7	212.6	219.5
65°	209.3	202.0	194.8	187.5	180.2	173.0	165.7	173.0	180.2	187.5	194.8
67.5°	187.1	181.5	176.0	170.4	164.8	159.3	153.7	159.3	164.8	170.4	176.0
70°	166.4	162.7	158.9	155.2	151.4	147.7	143.9	147.7	151.4	155.2	158.9
72.5°	150.1	148.5	146.9	145.3	143.8	142.2	140.6	142.2	143.8	145.3	146.9
75°	130.8	129.4	127.9	126.5	125.0	123.6	122.1	123.6	125.0	126.5	127.9
77.5°	113.0	110.0	106.9	103.9	100.9	97.8	94.8	97.8	100.9	103.9	106.9
80°	95.2	91.3	87.4	83.5	79.7	75.8	71.9	75.8	79.7	83.5	87.4
82.5°	77.8	73.5	69.3	65.0	60.8	56.5	52.3	56.5	60.8	65.0	69.3
85°	61.0	56.3	51.6	46.9	42.1	37.4	32.7	37.4	42.1	46.9	51.6
87.5°	42.5	37.8	33.1	28.4	23.6	18.9	14.2	18.9	23.6	28.4	33.1
90°	29.1	24.2	19.4	14.5	9.7	4.8	0.0	4.8	9.7	14.5	19.4
92.5°	28.3	23.6	18.9	14.2	9.4	4.7	0.0	4.7	9.4	14.2	18.9
95°	27.6	23.0	18.4	13.8	9.2	4.6	0.0	4.6	9.2	13.8	18.4
97.5°	27.6	23.0	18.4	13.8	9.2	4.6	0.0	4.6	9.2	13.8	18.4
100°	26.9	22.4	17.9	13.4	9.0	4.5	0.0	4.5	9.0	13.4	17.9
102.5°	26.1	21.8	17.4	13.1	8.7	4.4	0.0	4.4	8.7	13.1	17.4
105°	26.1	21.8	17.4	13.1	8.7	4.4	0.0	4.4	8.7	13.1	17.4
107.5°	25.5	21.2	17.0	12.7	8.5	4.2	0.0	4.2	8.5	12.7	17.0
110°	24.7	20.6	16.5	12.4	8.2	4.1	0.0	4.1	8.2	12.4	16.5



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	24.0	20.0	16.0	12.0	8.0	4.0	0.0	4.0	8.0	12.0	16.0
115°	22.5	18.8	15.0	11.3	7.5	3.8	0.0	3.8	7.5	11.3	15.0
117.5°	21.8	18.2	14.5	10.9	7.3	3.6	0.0	3.6	7.3	10.9	14.5
120°	21.1	17.6	14.0	10.5	7.0	3.5	0.0	3.5	7.0	10.5	14.0
122.5°	20.3	16.9	13.6	10.2	6.8	3.4	0.0	3.4	6.8	10.2	13.6
125°	18.9	15.7	12.6	9.4	6.3	3.1	0.0	3.1	6.3	9.4	12.6
127.5°	18.2	15.2	12.1	9.1	6.1	3.0	0.0	3.0	6.1	9.1	12.1
130°	16.7	13.9	11.2	8.4	5.6	2.8	0.0	2.8	5.6	8.4	11.2
132.5°	16.0	13.3	10.7	8.0	5.3	2.7	0.0	2.7	5.3	8.0	10.7
135°	15.6	13.2	10.8	8.4	5.9	3.5	1.1	3.5	5.9	8.4	10.8
137.5°	14.9	12.6	10.3	8.0	5.7	3.4	1.1	3.4	5.7	8.0	10.3
140°	14.2	12.0	9.8	7.6	5.5	3.3	1.1	3.3	5.5	7.6	9.8
142.5°	12.7	10.8	8.8	6.9	5.0	3.0	1.1	3.0	5.0	6.9	8.8
145°	11.3	9.6	7.9	6.2	4.5	2.8	1.1	2.8	4.5	6.2	7.9
147.5°	10.6	9.0	7.4	5.8	4.3	2.7	1.1	2.7	4.3	5.8	7.4
150°	9.1	7.8	6.4	5.1	3.8	2.4	1.1	2.4	3.8	5.1	6.4
152.5°	7.6	6.5	5.5	4.4	3.3	2.2	1.1	2.2	3.3	4.4	5.5
155°	6.2	5.3	4.5	3.6	2.8	1.9	1.1	1.9	2.8	3.6	4.5
157.5°	4.7	4.1	3.5	2.9	2.3	1.7	1.1	1.7	2.3	2.9	3.5
160°	3.3	2.9	2.6	2.2	1.8	1.5	1.1	1.5	1.8	2.2	2.6
162.5°	2.6	2.3	2.1	1.8	1.6	1.3	1.1	1.3	1.6	1.8	2.1
165°	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.2	1.3	1.5	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2100.8	2101.3	2101.8	2102.3	2102.8	2103.4	2104.0	2104.6	2105.2	2105.8	2106.4
5°	2092.7	2094.4	2096.1	2097.8	2099.5	2100.5	2101.4	2102.4	2103.4	2104.3	2105.3
7.5°	2085.4	2085.7	2085.9	2086.2	2086.4	2086.5	2086.6	2086.8	2086.9	2087.0	2087.1
10°	2067.5	2066.8	2066.0	2065.3	2064.6	2061.5	2058.3	2055.2	2052.0	2048.9	2045.7
12.5°	2041.5	2039.9	2038.3	2036.8	2035.2	2026.6	2018.0	2009.4	2000.8	1992.2	1983.6
15°	1996.5	1992.3	1988.1	1983.8	1979.6	1969.1	1958.5	1948.0	1937.4	1926.9	1916.3
17.5°	1938.8	1932.4	1925.9	1919.5	1913.1	1901.6	1890.1	1878.6	1867.1	1855.5	1844.0
20°	1885.7	1875.7	1865.6	1855.6	1845.5	1833.5	1821.5	1809.5	1797.5	1785.6	1773.6
22.5°	1822.4	1808.8	1795.2	1781.7	1768.1	1755.7	1743.4	1731.0	1718.7	1706.3	1694.0
25°	1753.3	1736.8	1720.4	1703.9	1687.4	1675.1	1662.7	1650.4	1638.0	1625.7	1613.3
27.5°	1673.7	1654.8	1635.9	1617.0	1598.1	1587.2	1576.3	1565.4	1554.5	1543.5	1532.6
30°	1587.2	1569.7	1552.3	1534.8	1517.4	1506.5	1495.6	1484.7	1473.8	1462.9	1452.0
32.5°	1476.3	1461.8	1447.3	1432.7	1418.2	1408.5	1398.8	1389.1	1379.4	1369.8	1360.1
35°	1348.1	1337.5	1327.0	1316.4	1305.9	1294.8	1283.6	1272.5	1261.3	1250.2	1239.0
37.5°	1206.3	1200.1	1194.0	1187.8	1181.6	1165.0	1148.4	1131.8	1115.2	1098.7	1082.1
40°	1018.4	1012.4	1006.3	1000.3	994.2	984.0	973.8	963.7	953.5	943.3	933.1
42.5°	860.8	853.5	846.2	839.0	831.7	826.5	821.3	816.1	810.9	805.7	800.5
45°	721.1	715.8	710.5	705.1	699.8	697.5	695.2	692.9	690.6	688.3	686.0
47.5°	605.1	601.0	596.8	592.7	588.6	588.7	588.8	589.0	589.1	589.2	589.3
50°	509.9	507.3	504.6	502.0	499.3	501.4	503.4	505.5	507.5	509.6	511.6
52.5°	425.6	424.4	423.2	422.0	420.8	425.2	429.5	433.9	438.2	442.6	446.9
55°	359.1	360.1	361.1	362.0	363.0	369.7	376.3	383.0	389.7	396.3	403.0
57.5°	304.7	308.1	311.5	314.9	318.3	326.4	334.5	342.6	350.7	358.9	367.0
60°	263.0	268.1	273.2	278.3	283.4	292.5	301.6	310.7	319.8	328.8	337.9
62.5°	226.4	233.3	240.2	247.1	254.0	263.9	273.9	283.8	293.7	303.7	313.6
65°	202.0	209.3	216.6	223.8	231.1	240.8	250.5	260.2	269.9	279.5	289.2
67.5°	181.5	187.1	192.7	198.2	203.8	214.1	224.4	234.7	245.0	255.3	265.6
70°	162.7	166.4	170.2	173.9	177.7	189.0	200.2	211.5	222.8	234.0	245.3
72.5°	148.5	150.1	151.6	153.2	154.8	167.3	179.8	192.2	204.7	217.2	229.7
75°	129.4	130.8	132.3	133.7	135.2	149.4	163.5	177.7	191.9	206.0	220.2
77.5°	110.0	113.0	116.0	119.1	122.1	137.4	152.6	167.9	183.1	198.4	213.6
80°	91.3	95.2	99.0	102.9	106.8	123.2	139.5	155.9	172.2	188.6	204.9
82.5°	73.5	77.8	82.0	86.3	90.5	108.1	125.6	143.2	160.7	178.3	195.8
85°	56.3	61.0	65.8	70.5	75.2	92.6	110.1	127.5	145.0	162.4	179.9
87.5°	37.8	42.5	47.3	52.0	56.7	73.8	90.9	107.9	125.0	142.1	159.2
90°	24.2	29.1	33.9	38.8	43.6	59.8	76.1	92.3	108.5	124.8	141.0
92.5°	23.6	28.3	33.1	37.8	42.5	57.5	72.5	87.6	102.6	117.6	132.6
95°	23.0	27.6	32.2	36.8	41.4	55.0	68.5	82.1	95.7	109.2	122.8
97.5°	23.0	27.6	32.2	36.8	41.4	53.5	65.6	77.7	89.8	102.0	114.1
100°	22.4	26.9	31.3	35.8	40.3	51.3	62.3	73.4	84.4	95.4	106.4
102.5°	21.8	26.1	30.5	34.8	39.2	48.9	58.6	68.3	78.0	87.6	97.3
105°	21.8	26.1	30.5	34.8	39.2	47.0	54.7	62.5	70.2	78.0	85.7
107.5°	21.2	25.5	29.7	34.0	38.2	44.5	50.8	57.1	63.4	69.6	75.9
110°	20.6	24.7	28.9	33.0	37.1	42.2	47.3	52.3	57.4	62.5	67.6



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	20.0	24.0	28.0	32.0	36.0	40.4	44.7	49.1	53.4	57.8	62.1
115°	18.8	22.5	26.3	30.0	33.8	37.7	41.6	45.4	49.3	53.2	57.1
117.5°	18.2	21.8	25.4	29.1	32.7	36.3	40.0	43.6	47.2	50.9	54.5
120°	17.6	21.1	24.6	28.1	31.6	35.0	38.4	41.8	45.2	48.5	51.9
122.5°	16.9	20.3	23.7	27.1	30.5	33.8	37.1	40.3	43.6	46.9	50.2
125°	15.7	18.9	22.0	25.2	28.3	31.5	34.6	37.8	40.9	44.1	47.2
127.5°	15.2	18.2	21.2	24.3	27.3	30.2	33.1	36.0	38.9	41.8	44.7
130°	13.9	16.7	19.5	22.3	25.1	27.9	30.7	33.4	36.2	39.0	41.8
132.5°	13.3	16.0	18.7	21.3	24.0	26.5	29.1	31.6	34.2	36.7	39.3
135°	13.2	15.6	18.1	20.5	22.9	25.3	27.7	30.2	32.6	35.0	37.4
137.5°	12.6	14.9	17.2	19.5	21.8	24.1	26.4	28.7	31.0	33.3	35.6
140°	12.0	14.2	16.3	18.5	20.7	22.8	24.8	26.9	28.9	31.0	33.0
142.5°	10.8	12.7	14.6	16.6	18.5	20.6	22.6	24.7	26.8	28.8	30.9
145°	9.6	11.3	13.0	14.7	16.4	18.3	20.3	22.2	24.1	26.1	28.0
147.5°	9.0	10.6	12.1	13.7	15.3	16.9	18.4	20.0	21.6	23.1	24.7
150°	7.8	9.1	10.4	11.8	13.1	14.4	15.8	17.1	18.4	19.8	21.1
152.5°	6.5	7.6	8.7	9.8	10.9	12.0	13.1	14.2	15.3	16.3	17.4
155°	5.3	6.2	7.0	7.9	8.7	9.6	10.4	11.3	12.1	13.0	13.8
157.5°	4.1	4.7	5.3	5.9	6.5	7.2	8.0	8.7	9.4	10.2	10.9
160°	2.9	3.3	3.7	4.0	4.4	5.1	5.8	6.6	7.3	8.0	8.7
162.5°	2.3	2.6	2.8	3.1	3.3	3.8	4.3	4.7	5.2	5.7	6.2
165°	1.7	1.8	2.0	2.1	2.2	2.4	2.7	2.9	3.2	3.4	3.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2107.0	2107.6	2108.2	2108.6	2108.9	2109.3	2109.7	2110.0	2110.4	2110.8	2111.1
5°	2106.3	2107.2	2108.2	2105.7	2103.1	2100.6	2098.0	2095.5	2092.9	2090.4	2087.8
7.5°	2087.3	2087.4	2087.5	2083.9	2080.2	2076.6	2073.0	2069.3	2065.7	2062.1	2058.4
10°	2042.6	2039.4	2036.3	2029.4	2022.5	2015.6	2008.7	2001.7	1994.8	1987.9	1981.0
12.5°	1975.0	1966.4	1957.8	1951.1	1944.5	1937.8	1931.1	1924.5	1917.8	1911.1	1904.5
15°	1905.8	1895.2	1884.7	1877.6	1870.4	1863.3	1856.1	1849.0	1841.8	1834.7	1827.5
17.5°	1832.5	1821.0	1809.5	1802.5	1795.5	1788.4	1781.4	1774.4	1767.4	1760.3	1753.3
20°	1761.6	1749.6	1737.6	1730.7	1723.8	1716.9	1710.0	1703.1	1696.2	1689.3	1682.4
22.5°	1681.6	1669.3	1656.9	1650.1	1643.3	1636.6	1629.8	1623.0	1616.2	1609.5	1602.7
25°	1601.0	1588.6	1576.3	1570.0	1563.7	1557.4	1551.1	1544.8	1538.5	1532.2	1525.9
27.5°	1521.7	1510.8	1499.9	1493.2	1486.6	1479.9	1473.3	1466.6	1460.0	1453.3	1446.7
30°	1441.1	1430.2	1419.3	1413.7	1408.1	1402.6	1397.0	1391.4	1385.8	1380.3	1374.7
32.5°	1350.4	1340.7	1331.0	1322.5	1314.0	1305.6	1297.1	1288.6	1280.1	1271.7	1263.2
35°	1227.9	1216.7	1205.6	1198.2	1190.8	1183.4	1176.0	1168.7	1161.3	1153.9	1146.5
37.5°	1065.5	1048.9	1032.3	1032.2	1032.1	1031.9	1031.8	1031.7	1031.6	1031.4	1031.3
40°	923.0	912.8	902.6	903.9	905.3	906.6	907.9	909.3	910.6	911.9	913.3
42.5°	795.3	790.1	784.9	788.8	792.6	796.5	800.4	804.2	808.1	812.0	815.8
45°	683.7	681.4	679.1	686.1	693.1	700.2	707.2	714.2	721.2	728.3	735.3
47.5°	589.5	589.6	589.7	600.4	611.0	621.7	632.4	643.0	653.7	664.4	675.0
50°	513.7	515.7	517.8	532.0	546.1	560.3	574.5	588.6	602.8	617.0	631.1
52.5°	451.3	455.6	460.0	478.3	496.6	514.9	533.2	551.4	569.7	588.0	606.3
55°	409.7	416.3	423.0	444.4	465.9	487.3	508.7	530.2	551.6	573.0	594.5
57.5°	375.1	383.2	391.3	418.0	444.6	471.3	497.9	524.6	551.2	577.9	604.5
60°	347.0	356.1	365.2	396.9	428.7	460.4	492.1	523.9	555.6	587.3	619.1
62.5°	323.5	333.5	343.4	380.5	417.5	454.6	491.6	528.7	565.7	602.8	639.8
65°	298.9	308.6	318.3	362.3	406.2	450.2	494.2	538.1	582.1	626.1	670.0
67.5°	275.9	286.2	296.5	346.5	396.5	446.6	496.6	546.6	596.6	646.7	696.7
70°	256.6	267.8	279.1	326.1	373.1	420.1	467.1	514.0	561.0	608.0	655.0
72.5°	242.1	254.6	267.1	306.7	346.3	385.9	425.5	465.1	504.7	544.3	583.9
75°	234.4	248.5	262.7	295.3	327.9	360.4	393.0	425.6	458.2	490.7	523.3
77.5°	228.9	244.1	259.4	285.4	311.5	337.5	363.6	389.6	415.7	441.7	467.8
80°	221.3	237.6	254.0	274.7	295.4	316.1	336.8	357.6	378.3	399.0	419.7
82.5°	213.4	230.9	248.5	264.4	280.2	296.1	312.0	327.8	343.7	359.6	375.4
85°	197.3	214.8	232.2	244.9	257.6	270.3	283.0	295.8	308.5	321.2	333.9
87.5°	176.2	193.3	210.4	222.1	233.9	245.6	257.4	269.1	280.9	292.6	304.4
90°	157.2	173.5	189.7	200.0	210.3	220.6	230.9	241.1	251.4	261.7	272.0
92.5°	147.7	162.7	177.7	185.0	192.2	199.5	206.8	214.0	221.3	228.6	235.8
95°	136.4	149.9	163.5	168.8	174.2	179.5	184.8	190.2	195.5	200.8	206.2
97.5°	126.2	138.3	150.4	154.9	159.4	163.9	168.4	172.8	177.3	181.8	186.3
100°	117.5	128.5	139.5	143.4	147.3	151.1	155.0	158.9	162.8	166.6	170.5
102.5°	107.0	116.7	126.4	130.4	134.4	138.4	142.4	146.4	150.4	154.4	158.4
105°	93.5	101.2	109.0	114.3	119.7	125.0	130.3	135.7	141.0	146.3	151.7
107.5°	82.2	88.5	94.8	101.0	107.2	113.3	119.5	125.7	131.9	138.0	144.2
110°	72.6	77.7	82.8	89.2	95.6	102.1	108.5	114.9	121.3	127.8	134.2



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	66.5	70.8	75.2	81.7	88.3	94.8	101.4	107.9	114.5	121.0	127.6
115°	60.9	64.8	68.7	75.5	82.3	89.0	95.8	102.6	109.4	116.1	122.9
117.5°	58.1	61.8	65.4	72.9	80.4	87.9	95.4	103.0	110.5	118.0	125.5
120°	55.3	58.7	62.1	69.9	77.6	85.4	93.1	100.9	108.6	116.4	124.1
122.5°	53.4	56.7	60.0	66.4	72.8	79.2	85.6	92.1	98.5	104.9	111.3
125°	50.4	53.5	56.7	62.0	67.3	72.7	78.0	83.3	88.6	94.0	99.3
127.5°	47.6	50.5	53.4	57.8	62.1	66.5	70.9	75.2	79.6	84.0	88.3
130°	44.5	47.3	50.1	53.6	57.1	60.7	64.2	67.7	71.2	74.8	78.3
132.5°	41.8	44.4	46.9	49.7	52.5	55.2	58.0	60.8	63.6	66.3	69.1
135°	39.9	42.3	44.7	46.8	48.8	50.9	52.9	55.0	57.0	59.1	61.1
137.5°	37.9	40.2	42.5	44.1	45.7	47.2	48.8	50.4	52.0	53.5	55.1
140°	35.1	37.1	39.2	40.4	41.6	42.8	44.0	45.3	46.5	47.7	48.9
142.5°	33.0	35.0	37.1	37.8	38.5	39.3	40.0	40.7	41.4	42.2	42.9
145°	29.9	31.9	33.8	34.3	34.8	35.3	35.8	36.2	36.7	37.2	37.7
147.5°	26.3	27.8	29.4	29.8	30.1	30.5	30.9	31.2	31.6	32.0	32.3
150°	22.4	23.8	25.1	25.5	25.8	26.2	26.5	26.9	27.2	27.6	27.9
152.5°	18.5	19.6	20.7	21.1	21.4	21.8	22.2	22.5	22.9	23.3	23.6
155°	14.7	15.5	16.4	16.8	17.1	17.5	17.8	18.2	18.5	18.9	19.2
157.5°	11.6	12.4	13.1	13.5	13.8	14.2	14.6	14.9	15.3	15.7	16.0
160°	9.5	10.2	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
162.5°	6.6	7.1	7.6	7.5	7.4	7.2	7.1	7.0	6.9	6.7	6.6
165°	3.9	4.2	4.4	4.2	3.9	3.7	3.4	3.2	2.9	2.7	2.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2111.5	2111.1	2110.8	2110.4	2110.0	2109.7	2109.3	2108.9	2108.6	2108.2	2108.6
5°	2085.3	2084.1	2082.9	2081.7	2080.5	2079.2	2078.0	2076.8	2075.6	2074.4	2075.6
7.5°	2054.8	2053.2	2051.6	2050.1	2048.5	2046.9	2045.3	2043.8	2042.2	2040.6	2042.2
10°	1974.1	1972.8	1971.4	1970.1	1968.8	1967.4	1966.1	1964.8	1963.4	1962.1	1963.4
12.5°	1897.8	1896.5	1895.1	1893.8	1892.5	1891.1	1889.8	1888.5	1887.1	1885.8	1887.1
15°	1820.4	1819.0	1817.5	1816.1	1814.6	1813.2	1811.7	1810.3	1808.8	1807.4	1808.8
17.5°	1746.3	1744.8	1743.4	1741.9	1740.5	1739.0	1737.6	1736.1	1734.7	1733.2	1734.7
20°	1675.5	1672.1	1668.7	1665.3	1661.9	1658.5	1655.1	1651.7	1648.3	1644.9	1648.3
22.5°	1595.9	1592.6	1589.3	1586.1	1582.8	1579.5	1576.2	1573.0	1569.7	1566.4	1569.7
25°	1519.6	1517.1	1514.5	1512.0	1509.4	1506.9	1504.3	1501.8	1499.2	1496.7	1499.2
27.5°	1440.0	1438.4	1436.8	1435.3	1433.7	1432.1	1430.5	1429.0	1427.4	1425.8	1427.4
30°	1369.1	1368.0	1366.9	1365.8	1364.7	1363.7	1362.6	1361.5	1360.4	1359.3	1360.4
32.5°	1254.7	1253.4	1252.0	1250.7	1249.4	1248.0	1246.7	1245.4	1244.0	1242.7	1244.0
35°	1139.1	1139.2	1139.3	1139.5	1139.6	1139.7	1139.8	1140.0	1140.1	1140.2	1140.1
37.5°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
40°	914.6	917.7	920.9	924.0	927.2	930.3	933.5	936.6	939.8	942.9	939.8
42.5°	819.7	827.7	835.7	843.7	851.7	859.7	867.7	875.7	883.7	891.7	883.7
45°	742.3	753.7	765.1	776.5	787.9	799.2	810.6	822.0	833.4	844.8	833.4
47.5°	685.7	698.4	711.1	723.8	736.5	749.3	762.0	774.7	787.4	800.1	787.4
50°	645.3	660.7	676.1	691.5	706.9	722.2	737.6	753.0	768.4	783.8	768.4
52.5°	624.6	642.0	659.5	676.9	694.4	711.8	729.3	746.7	764.2	781.6	764.2
55°	615.9	632.4	648.8	665.3	681.8	698.2	714.7	731.2	747.6	764.1	747.6
57.5°	631.2	646.2	661.2	676.2	691.2	706.3	721.3	736.3	751.3	766.3	751.3
60°	650.8	666.7	682.5	698.4	714.3	730.1	746.0	761.9	777.7	793.6	777.7
62.5°	676.9	693.0	709.1	725.2	741.3	757.5	773.6	789.7	805.8	821.9	805.8
65°	714.0	721.6	729.3	736.9	744.5	752.2	759.8	767.4	775.1	782.7	775.1
67.5°	746.7	745.7	744.8	743.8	742.8	741.9	740.9	739.9	739.0	738.0	739.0
70°	702.0	698.9	695.7	692.6	689.4	686.3	683.1	680.0	676.8	673.7	676.8
72.5°	623.5	623.7	624.0	624.2	624.5	624.7	625.0	625.2	625.5	625.7	625.5
75°	555.9	557.4	558.8	560.3	561.7	563.2	564.6	566.1	567.5	569.0	567.5
77.5°	493.8	495.7	497.7	499.6	501.5	503.5	505.4	507.3	509.3	511.2	509.3
80°	440.4	441.9	443.3	444.8	446.2	447.7	449.1	450.6	452.0	453.5	452.0
82.5°	391.3	393.5	395.7	397.9	400.1	402.2	404.4	406.6	408.8	411.0	408.8
85°	346.6	349.9	353.2	356.4	359.7	363.0	366.3	369.5	372.8	376.1	372.8
87.5°	316.1	316.2	316.3	316.5	316.6	316.7	316.8	317.0	317.1	317.2	317.1
90°	282.3	280.8	279.4	277.9	276.5	275.0	273.6	272.1	270.7	269.2	270.7
92.5°	243.1	242.0	240.9	239.8	238.7	237.7	236.6	235.5	234.4	233.3	234.4
95°	211.5	210.6	209.8	208.9	208.1	207.2	206.4	205.5	204.7	203.8	204.7
97.5°	190.8	189.3	187.9	186.4	185.0	183.5	182.1	180.6	179.2	177.7	179.2
100°	174.4	173.2	172.0	170.8	169.6	168.3	167.1	165.9	164.7	163.5	164.7
102.5°	162.4	161.6	160.7	159.9	159.0	158.2	157.3	156.5	155.6	154.8	155.6
105°	157.0	156.3	155.5	154.8	154.1	153.3	152.6	151.9	151.1	150.4	151.1
107.5°	150.4	149.9	149.4	149.0	148.5	148.0	147.5	147.1	146.6	146.1	146.6
110°	140.6	141.0	141.3	141.7	142.1	142.4	142.8	143.2	143.5	143.9	143.5



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	134.1	134.9	135.8	136.6	137.5	138.3	139.2	140.0	140.9	141.7	140.9
115°	129.7	130.2	130.7	131.2	131.7	132.1	132.6	133.1	133.6	134.1	133.6
117.5°	133.0	132.6	132.3	131.9	131.5	131.2	130.8	130.4	130.1	129.7	130.1
120°	131.9	131.4	130.9	130.4	129.9	129.5	129.0	128.5	128.0	127.5	128.0
122.5°	117.7	119.4	121.1	122.8	124.5	126.2	127.9	129.6	131.3	133.0	131.3
125°	104.6	108.0	111.4	114.8	118.2	121.6	125.0	128.4	131.8	135.2	131.8
127.5°	92.7	95.8	99.0	102.1	105.3	108.4	111.6	114.7	117.9	121.0	117.9
130°	81.8	84.8	87.8	90.9	93.9	96.9	99.9	103.0	106.0	109.0	106.0
132.5°	71.9	74.9	78.0	81.0	84.0	87.1	90.1	93.1	96.2	99.2	96.2
135°	63.2	65.7	68.3	70.8	73.4	75.9	78.5	81.0	83.6	86.1	83.6
137.5°	56.7	58.6	60.6	62.5	64.4	66.4	68.3	70.2	72.2	74.1	72.2
140°	50.1	51.4	52.8	54.1	55.4	56.8	58.1	59.4	60.8	62.1	60.8
142.5°	43.6	44.6	45.5	46.5	47.5	48.4	49.4	50.4	51.3	52.3	51.3
145°	38.2	38.7	39.2	39.6	40.1	40.6	41.1	41.5	42.0	42.5	42.0
147.5°	32.7	32.8	32.9	33.1	33.2	33.3	33.4	33.6	33.7	33.8	33.7
150°	28.3	28.1	27.8	27.6	27.4	27.1	26.9	26.7	26.4	26.2	26.4
152.5°	24.0	23.6	23.3	22.9	22.5	22.2	21.8	21.4	21.1	20.7	21.1
155°	19.6	19.4	19.1	18.9	18.6	18.4	18.1	17.9	17.6	17.4	17.6
157.5°	16.4	16.2	15.9	15.7	15.4	15.2	14.9	14.7	14.4	14.2	14.4
160°	10.9	11.0	11.1	11.3	11.4	11.5	11.6	11.8	11.9	12.0	11.9
162.5°	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.2	8.5	8.7	8.5
165°	2.2	2.4	2.7	2.9	3.2	3.4	3.7	3.9	4.2	4.4	4.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2108.9	2109.3	2109.7	2110.0	2110.4	2110.8	2111.1	2111.5	2111.1	2110.8	2110.4
5°	2076.8	2078.0	2079.2	2080.5	2081.7	2082.9	2084.1	2085.3	2087.8	2090.4	2092.9
7.5°	2043.8	2045.3	2046.9	2048.5	2050.1	2051.6	2053.2	2054.8	2058.4	2062.1	2065.7
10°	1964.8	1966.1	1967.4	1968.8	1970.1	1971.4	1972.8	1974.1	1981.0	1987.9	1994.8
12.5°	1888.5	1889.8	1891.1	1892.5	1893.8	1895.1	1896.5	1897.8	1904.5	1911.1	1917.8
15°	1810.3	1811.7	1813.2	1814.6	1816.1	1817.5	1819.0	1820.4	1827.5	1834.7	1841.8
17.5°	1736.1	1737.6	1739.0	1740.5	1741.9	1743.4	1744.8	1746.3	1753.3	1760.3	1767.4
20°	1651.7	1655.1	1658.5	1661.9	1665.3	1668.7	1672.1	1675.5	1682.4	1689.3	1696.2
22.5°	1573.0	1576.2	1579.5	1582.8	1586.1	1589.3	1592.6	1595.9	1602.7	1609.5	1616.2
25°	1501.8	1504.3	1506.9	1509.4	1512.0	1514.5	1517.1	1519.6	1525.9	1532.2	1538.5
27.5°	1429.0	1430.5	1432.1	1433.7	1435.3	1436.8	1438.4	1440.0	1446.7	1453.3	1460.0
30°	1361.5	1362.6	1363.7	1364.7	1365.8	1366.9	1368.0	1369.1	1374.7	1380.3	1385.8
32.5°	1245.4	1246.7	1248.0	1249.4	1250.7	1252.0	1253.4	1254.7	1263.2	1271.7	1280.1
35°	1140.0	1139.8	1139.7	1139.6	1139.5	1139.3	1139.2	1139.1	1146.5	1153.9	1161.3
37.5°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.3	1031.4	1031.6
40°	936.6	933.5	930.3	927.2	924.0	920.9	917.7	914.6	913.3	911.9	910.6
42.5°	875.7	867.7	859.7	851.7	843.7	835.7	827.7	819.7	815.8	812.0	808.1
45°	822.0	810.6	799.2	787.9	776.5	765.1	753.7	742.3	735.3	728.3	721.2
47.5°	774.7	762.0	749.3	736.5	723.8	711.1	698.4	685.7	675.0	664.4	653.7
50°	753.0	737.6	722.2	706.9	691.5	676.1	660.7	645.3	631.1	617.0	602.8
52.5°	746.7	729.3	711.8	694.4	676.9	659.5	642.0	624.6	606.3	588.0	569.7
55°	731.2	714.7	698.2	681.8	665.3	648.8	632.4	615.9	594.5	573.0	551.6
57.5°	736.3	721.3	706.3	691.2	676.2	661.2	646.2	631.2	604.5	577.9	551.2
60°	761.9	746.0	730.1	714.3	698.4	682.5	666.7	650.8	619.1	587.3	555.6
62.5°	789.7	773.6	757.5	741.3	725.2	709.1	693.0	676.9	639.8	602.8	565.7
65°	767.4	759.8	752.2	744.5	736.9	729.3	721.6	714.0	670.0	626.1	582.1
67.5°	739.9	740.9	741.9	742.8	743.8	744.8	745.7	746.7	696.7	646.7	596.6
70°	680.0	683.1	686.3	689.4	692.6	695.7	698.9	702.0	655.0	608.0	561.0
72.5°	625.2	625.0	624.7	624.5	624.2	624.0	623.7	623.5	583.9	544.3	504.7
75°	566.1	564.6	563.2	561.7	560.3	558.8	557.4	555.9	523.3	490.7	458.2
77.5°	507.3	505.4	503.5	501.5	499.6	497.7	495.7	493.8	467.8	441.7	415.7
80°	450.6	449.1	447.7	446.2	444.8	443.3	441.9	440.4	419.7	399.0	378.3
82.5°	406.6	404.4	402.2	400.1	397.9	395.7	393.5	391.3	375.4	359.6	343.7
85°	369.5	366.3	363.0	359.7	356.4	353.2	349.9	346.6	333.9	321.2	308.5
87.5°	317.0	316.8	316.7	316.6	316.5	316.3	316.2	316.1	304.4	292.6	280.9
90°	272.1	273.6	275.0	276.5	277.9	279.4	280.8	282.3	272.0	261.7	251.4
92.5°	235.5	236.6	237.7	238.7	239.8	240.9	242.0	243.1	235.8	228.6	221.3
95°	205.5	206.4	207.2	208.1	208.9	209.8	210.6	211.5	206.2	200.8	195.5
97.5°	180.6	182.1	183.5	185.0	186.4	187.9	189.3	190.8	186.3	181.8	177.3
100°	165.9	167.1	168.3	169.6	170.8	172.0	173.2	174.4	170.5	166.6	162.8
102.5°	156.5	157.3	158.2	159.0	159.9	160.7	161.6	162.4	158.4	154.4	150.4
105°	151.9	152.6	153.3	154.1	154.8	155.5	156.3	157.0	151.7	146.3	141.0
107.5°	147.1	147.5	148.0	148.5	149.0	149.4	149.9	150.4	144.2	138.0	131.9
110°	143.2	142.8	142.4	142.1	141.7	141.3	141.0	140.6	134.2	127.8	121.3



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	140.0	139.2	138.3	137.5	136.6	135.8	134.9	134.1	127.6	121.0	114.5
115°	133.1	132.6	132.1	131.7	131.2	130.7	130.2	129.7	122.9	116.1	109.4
117.5°	130.4	130.8	131.2	131.5	131.9	132.3	132.6	133.0	125.5	118.0	110.5
120°	128.5	129.0	129.5	129.9	130.4	130.9	131.4	131.9	124.1	116.4	108.6
122.5°	129.6	127.9	126.2	124.5	122.8	121.1	119.4	117.7	111.3	104.9	98.5
125°	128.4	125.0	121.6	118.2	114.8	111.4	108.0	104.6	99.3	94.0	88.6
127.5°	114.7	111.6	108.4	105.3	102.1	99.0	95.8	92.7	88.3	84.0	79.6
130°	103.0	99.9	96.9	93.9	90.9	87.8	84.8	81.8	78.3	74.8	71.2
132.5°	93.1	90.1	87.1	84.0	81.0	78.0	74.9	71.9	69.1	66.3	63.6
135°	81.0	78.5	75.9	73.4	70.8	68.3	65.7	63.2	61.1	59.1	57.0
137.5°	70.2	68.3	66.4	64.4	62.5	60.6	58.6	56.7	55.1	53.5	52.0
140°	59.4	58.1	56.8	55.4	54.1	52.8	51.4	50.1	48.9	47.7	46.5
142.5°	50.4	49.4	48.4	47.5	46.5	45.5	44.6	43.6	42.9	42.2	41.4
145°	41.5	41.1	40.6	40.1	39.6	39.2	38.7	38.2	37.7	37.2	36.7
147.5°	33.6	33.4	33.3	33.2	33.1	32.9	32.8	32.7	32.3	32.0	31.6
150°	26.7	26.9	27.1	27.4	27.6	27.8	28.1	28.3	27.9	27.6	27.2
152.5°	21.4	21.8	22.2	22.5	22.9	23.3	23.6	24.0	23.6	23.3	22.9
155°	17.9	18.1	18.4	18.6	18.9	19.1	19.4	19.6	19.2	18.9	18.5
157.5°	14.7	14.9	15.2	15.4	15.7	15.9	16.2	16.4	16.0	15.7	15.3
160°	11.8	11.6	11.5	11.4	11.3	11.1	11.0	10.9	10.9	10.9	10.9
162.5°	8.2	8.0	7.7	7.5	7.2	7.0	6.7	6.5	6.6	6.7	6.9
165°	3.9	3.7	3.4	3.2	2.9	2.7	2.4	2.2	2.4	2.7	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2110.0	2109.7	2109.3	2108.9	2108.6	2108.2	2107.6	2107.0	2106.4	2105.8	2105.2
5°	2095.5	2098.0	2100.6	2103.1	2105.7	2108.2	2107.2	2106.3	2105.3	2104.3	2103.4
7.5°	2069.3	2073.0	2076.6	2080.2	2083.9	2087.5	2087.4	2087.3	2087.1	2087.0	2086.9
10°	2001.7	2008.7	2015.6	2022.5	2029.4	2036.3	2039.4	2042.6	2045.7	2048.9	2052.0
12.5°	1924.5	1931.1	1937.8	1944.5	1951.1	1957.8	1966.4	1975.0	1983.6	1992.2	2000.8
15°	1849.0	1856.1	1863.3	1870.4	1877.6	1884.7	1895.2	1905.8	1916.3	1926.9	1937.4
17.5°	1774.4	1781.4	1788.4	1795.5	1802.5	1809.5	1821.0	1832.5	1844.0	1855.5	1867.1
20°	1703.1	1710.0	1716.9	1723.8	1730.7	1737.6	1749.6	1761.6	1773.6	1785.6	1797.5
22.5°	1623.0	1629.8	1636.6	1643.3	1650.1	1656.9	1669.3	1681.6	1694.0	1706.3	1718.7
25°	1544.8	1551.1	1557.4	1563.7	1570.0	1576.3	1588.6	1601.0	1613.3	1625.7	1638.0
27.5°	1466.6	1473.3	1479.9	1486.6	1493.2	1499.9	1510.8	1521.7	1532.6	1543.5	1554.5
30°	1391.4	1397.0	1402.6	1408.1	1413.7	1419.3	1430.2	1441.1	1452.0	1462.9	1473.8
32.5°	1288.6	1297.1	1305.6	1314.0	1322.5	1331.0	1340.7	1350.4	1360.1	1369.8	1379.4
35°	1168.7	1176.0	1183.4	1190.8	1198.2	1205.6	1216.7	1227.9	1239.0	1250.2	1261.3
37.5°	1031.7	1031.8	1031.9	1032.1	1032.2	1032.3	1048.9	1065.5	1082.1	1098.7	1115.2
40°	909.3	907.9	906.6	905.3	903.9	902.6	912.8	923.0	933.1	943.3	953.5
42.5°	804.2	800.4	796.5	792.6	788.8	784.9	790.1	795.3	800.5	805.7	810.9
45°	714.2	707.2	700.2	693.1	686.1	679.1	681.4	683.7	686.0	688.3	690.6
47.5°	643.0	632.4	621.7	611.0	600.4	589.7	589.6	589.5	589.3	589.2	589.1
50°	588.6	574.5	560.3	546.1	532.0	517.8	515.7	513.7	511.6	509.6	507.5
52.5°	551.4	533.2	514.9	496.6	478.3	460.0	455.6	451.3	446.9	442.6	438.2
55°	530.2	508.7	487.3	465.9	444.4	423.0	416.3	409.7	403.0	396.3	389.7
57.5°	524.6	497.9	471.3	444.6	418.0	391.3	383.2	375.1	367.0	358.9	350.7
60°	523.9	492.1	460.4	428.7	396.9	365.2	356.1	347.0	337.9	328.8	319.8
62.5°	528.7	491.6	454.6	417.5	380.5	343.4	333.5	323.5	313.6	303.7	293.7
65°	538.1	494.2	450.2	406.2	362.3	318.3	308.6	298.9	289.2	279.5	269.9
67.5°	546.6	496.6	446.6	396.5	346.5	296.5	286.2	275.9	265.6	255.3	245.0
70°	514.0	467.1	420.1	373.1	326.1	279.1	267.8	256.6	245.3	234.0	222.8
72.5°	465.1	425.5	385.9	346.3	306.7	267.1	254.6	242.1	229.7	217.2	204.7
75°	425.6	393.0	360.4	327.9	295.3	262.7	248.5	234.4	220.2	206.0	191.9
77.5°	389.6	363.6	337.5	311.5	285.4	259.4	244.1	228.9	213.6	198.4	183.1
80°	357.6	336.8	316.1	295.4	274.7	254.0	237.6	221.3	204.9	188.6	172.2
82.5°	327.8	312.0	296.1	280.2	264.4	248.5	230.9	213.4	195.8	178.3	160.7
85°	295.8	283.0	270.3	257.6	244.9	232.2	214.8	197.3	179.9	162.4	145.0
87.5°	269.1	257.4	245.6	233.9	222.1	210.4	193.3	176.2	159.2	142.1	125.0
90°	241.1	230.9	220.6	210.3	200.0	189.7	173.5	157.2	141.0	124.8	108.5
92.5°	214.0	206.8	199.5	192.2	185.0	177.7	162.7	147.7	132.6	117.6	102.6
95°	190.2	184.8	179.5	174.2	168.8	163.5	149.9	136.4	122.8	109.2	95.7
97.5°	172.8	168.4	163.9	159.4	154.9	150.4	138.3	126.2	114.1	102.0	89.8
100°	158.9	155.0	151.1	147.3	143.4	139.5	128.5	117.5	106.4	95.4	84.4
102.5°	146.4	142.4	138.4	134.4	130.4	126.4	116.7	107.0	97.3	87.6	78.0
105°	135.7	130.3	125.0	119.7	114.3	109.0	101.2	93.5	85.7	78.0	70.2
107.5°	125.7	119.5	113.3	107.2	101.0	94.8	88.5	82.2	75.9	69.6	63.4
110°	114.9	108.5	102.1	95.6	89.2	82.8	77.7	72.6	67.6	62.5	57.4



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	107.9	101.4	94.8	88.3	81.7	75.2	70.8	66.5	62.1	57.8	53.4
115°	102.6	95.8	89.0	82.3	75.5	68.7	64.8	60.9	57.1	53.2	49.3
117.5°	103.0	95.4	87.9	80.4	72.9	65.4	61.8	58.1	54.5	50.9	47.2
120°	100.9	93.1	85.4	77.6	69.9	62.1	58.7	55.3	51.9	48.5	45.2
122.5°	92.1	85.6	79.2	72.8	66.4	60.0	56.7	53.4	50.2	46.9	43.6
125°	83.3	78.0	72.7	67.3	62.0	56.7	53.5	50.4	47.2	44.1	40.9
127.5°	75.2	70.9	66.5	62.1	57.8	53.4	50.5	47.6	44.7	41.8	38.9
130°	67.7	64.2	60.7	57.1	53.6	50.1	47.3	44.5	41.8	39.0	36.2
132.5°	60.8	58.0	55.2	52.5	49.7	46.9	44.4	41.8	39.3	36.7	34.2
135°	55.0	52.9	50.9	48.8	46.8	44.7	42.3	39.9	37.4	35.0	32.6
137.5°	50.4	48.8	47.2	45.7	44.1	42.5	40.2	37.9	35.6	33.3	31.0
140°	45.3	44.0	42.8	41.6	40.4	39.2	37.1	35.1	33.0	31.0	28.9
142.5°	40.7	40.0	39.3	38.5	37.8	37.1	35.0	33.0	30.9	28.8	26.8
145°	36.2	35.8	35.3	34.8	34.3	33.8	31.9	29.9	28.0	26.1	24.1
147.5°	31.2	30.9	30.5	30.1	29.8	29.4	27.8	26.3	24.7	23.1	21.6
150°	26.9	26.5	26.2	25.8	25.5	25.1	23.8	22.4	21.1	19.8	18.4
152.5°	22.5	22.2	21.8	21.4	21.1	20.7	19.6	18.5	17.4	16.3	15.3
155°	18.2	17.8	17.5	17.1	16.8	16.4	15.5	14.7	13.8	13.0	12.1
157.5°	14.9	14.6	14.2	13.8	13.5	13.1	12.4	11.6	10.9	10.2	9.4
160°	10.9	10.9	10.9	10.9	10.9	10.9	10.2	9.5	8.7	8.0	7.3
162.5°	7.0	7.1	7.2	7.4	7.5	7.6	7.1	6.6	6.2	5.7	5.2
165°	3.2	3.4	3.7	3.9	4.2	4.4	4.2	3.9	3.7	3.4	3.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2104.6	2104.0	2103.4	2102.8	2102.3	2101.8	2101.3	2100.8	2100.4	2099.9	2099.4
5°	2102.4	2101.4	2100.5	2099.5	2097.8	2096.1	2094.4	2092.7	2091.0	2089.3	2087.6
7.5°	2086.8	2086.6	2086.5	2086.4	2086.2	2085.9	2085.7	2085.4	2085.2	2084.9	2084.7
10°	2055.2	2058.3	2061.5	2064.6	2065.3	2066.0	2066.8	2067.5	2068.2	2068.9	2069.7
12.5°	2009.4	2018.0	2026.6	2035.2	2036.8	2038.3	2039.9	2041.5	2043.0	2044.6	2046.2
15°	1948.0	1958.5	1969.1	1979.6	1983.8	1988.1	1992.3	1996.5	2000.8	2005.0	2009.2
17.5°	1878.6	1890.1	1901.6	1913.1	1919.5	1925.9	1932.4	1938.8	1945.2	1951.6	1958.1
20°	1809.5	1821.5	1833.5	1845.5	1855.6	1865.6	1875.7	1885.7	1895.8	1905.8	1915.9
22.5°	1731.0	1743.4	1755.7	1768.1	1781.7	1795.2	1808.8	1822.4	1835.9	1849.5	1863.1
25°	1650.4	1662.7	1675.1	1687.4	1703.9	1720.4	1736.8	1753.3	1769.8	1786.3	1802.7
27.5°	1565.4	1576.3	1587.2	1598.1	1617.0	1635.9	1654.8	1673.7	1692.5	1711.4	1730.3
30°	1484.7	1495.6	1506.5	1517.4	1534.8	1552.3	1569.7	1587.2	1604.6	1622.1	1639.5
32.5°	1389.1	1398.8	1408.5	1418.2	1432.7	1447.3	1461.8	1476.3	1490.9	1505.4	1519.9
35°	1272.5	1283.6	1294.8	1305.9	1316.4	1327.0	1337.5	1348.1	1358.6	1369.2	1379.7
37.5°	1131.8	1148.4	1165.0	1181.6	1187.8	1194.0	1200.1	1206.3	1212.5	1218.7	1224.8
40°	963.7	973.8	984.0	994.2	1000.3	1006.3	1012.4	1018.4	1024.5	1030.5	1036.6
42.5°	816.1	821.3	826.5	831.7	839.0	846.2	853.5	860.8	868.0	875.3	882.6
45°	692.9	695.2	697.5	699.8	705.1	710.5	715.8	721.1	726.5	731.8	737.1
47.5°	589.0	588.8	588.7	588.6	592.7	596.8	601.0	605.1	609.2	613.3	617.5
50°	505.5	503.4	501.4	499.3	502.0	504.6	507.3	509.9	512.6	515.2	517.9
52.5°	433.9	429.5	425.2	420.8	422.0	423.2	424.4	425.6	426.9	428.1	429.3
55°	383.0	376.3	369.7	363.0	362.0	361.1	360.1	359.1	358.2	357.2	356.2
57.5°	342.6	334.5	326.4	318.3	314.9	311.5	308.1	304.7	301.4	298.0	294.6
60°	310.7	301.6	292.5	283.4	278.3	273.2	268.1	263.0	258.0	252.9	247.8
62.5°	283.8	273.9	263.9	254.0	247.1	240.2	233.3	226.4	219.5	212.6	205.7
65°	260.2	250.5	240.8	231.1	223.8	216.6	209.3	202.0	194.8	187.5	180.2
67.5°	234.7	224.4	214.1	203.8	198.2	192.7	187.1	181.5	176.0	170.4	164.8
70°	211.5	200.2	189.0	177.7	173.9	170.2	166.4	162.7	158.9	155.2	151.4
72.5°	192.2	179.8	167.3	154.8	153.2	151.6	150.1	148.5	146.9	145.3	143.8
75°	177.7	163.5	149.4	135.2	133.7	132.3	130.8	129.4	127.9	126.5	125.0
77.5°	167.9	152.6	137.4	122.1	119.1	116.0	113.0	110.0	106.9	103.9	100.9
80°	155.9	139.5	123.2	106.8	102.9	99.0	95.2	91.3	87.4	83.5	79.7
82.5°	143.2	125.6	108.1	90.5	86.3	82.0	77.8	73.5	69.3	65.0	60.8
85°	127.5	110.1	92.6	75.2	70.5	65.8	61.0	56.3	51.6	46.9	42.1
87.5°	107.9	90.9	73.8	56.7	52.0	47.3	42.5	37.8	33.1	28.4	23.6
90°	92.3	76.1	59.8	43.6	38.8	33.9	29.1	24.2	19.4	14.5	9.7
92.5°	87.6	72.5	57.5	42.5	37.8	33.1	28.3	23.6	18.9	14.2	9.4
95°	82.1	68.5	55.0	41.4	36.8	32.2	27.6	23.0	18.4	13.8	9.2
97.5°	77.7	65.6	53.5	41.4	36.8	32.2	27.6	23.0	18.4	13.8	9.2
100°	73.4	62.3	51.3	40.3	35.8	31.3	26.9	22.4	17.9	13.4	9.0
102.5°	68.3	58.6	48.9	39.2	34.8	30.5	26.1	21.8	17.4	13.1	8.7
105°	62.5	54.7	47.0	39.2	34.8	30.5	26.1	21.8	17.4	13.1	8.7
107.5°	57.1	50.8	44.5	38.2	34.0	29.7	25.5	21.2	17.0	12.7	8.5
110°	52.3	47.3	42.2	37.1	33.0	28.9	24.7	20.6	16.5	12.4	8.2



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	49.1	44.7	40.4	36.0	32.0	28.0	24.0	20.0	16.0	12.0	8.0
115°	45.4	41.6	37.7	33.8	30.0	26.3	22.5	18.8	15.0	11.3	7.5
117.5°	43.6	40.0	36.3	32.7	29.1	25.4	21.8	18.2	14.5	10.9	7.3
120°	41.8	38.4	35.0	31.6	28.1	24.6	21.1	17.6	14.0	10.5	7.0
122.5°	40.3	37.1	33.8	30.5	27.1	23.7	20.3	16.9	13.6	10.2	6.8
125°	37.8	34.6	31.5	28.3	25.2	22.0	18.9	15.7	12.6	9.4	6.3
127.5°	36.0	33.1	30.2	27.3	24.3	21.2	18.2	15.2	12.1	9.1	6.1
130°	33.4	30.7	27.9	25.1	22.3	19.5	16.7	13.9	11.2	8.4	5.6
132.5°	31.6	29.1	26.5	24.0	21.3	18.7	16.0	13.3	10.7	8.0	5.3
135°	30.2	27.7	25.3	22.9	20.5	18.1	15.6	13.2	10.8	8.4	5.9
137.5°	28.7	26.4	24.1	21.8	19.5	17.2	14.9	12.6	10.3	8.0	5.7
140°	26.9	24.8	22.8	20.7	18.5	16.3	14.2	12.0	9.8	7.6	5.5
142.5°	24.7	22.6	20.6	18.5	16.6	14.6	12.7	10.8	8.8	6.9	5.0
145°	22.2	20.3	18.3	16.4	14.7	13.0	11.3	9.6	7.9	6.2	4.5
147.5°	20.0	18.4	16.9	15.3	13.7	12.1	10.6	9.0	7.4	5.8	4.3
150°	17.1	15.8	14.4	13.1	11.8	10.4	9.1	7.8	6.4	5.1	3.8
152.5°	14.2	13.1	12.0	10.9	9.8	8.7	7.6	6.5	5.5	4.4	3.3
155°	11.3	10.4	9.6	8.7	7.9	7.0	6.2	5.3	4.5	3.6	2.8
157.5°	8.7	8.0	7.2	6.5	5.9	5.3	4.7	4.1	3.5	2.9	2.3
160°	6.6	5.8	5.1	4.4	4.0	3.7	3.3	2.9	2.6	2.2	1.8
162.5°	4.7	4.3	3.8	3.3	3.1	2.8	2.6	2.3	2.1	1.8	1.6
165°	2.9	2.7	2.4	2.2	2.1	2.0	1.8	1.7	1.6	1.5	1.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P231943

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2123.5	2123.5
2.5°	2098.9	2098.4
5°	2085.9	2084.2
7.5°	2084.4	2084.2
10°	2070.4	2071.1
12.5°	2047.7	2049.3
15°	2013.5	2017.7
17.5°	1964.5	1970.9
20°	1925.9	1936.0
22.5°	1876.6	1890.2
25°	1819.2	1835.7
27.5°	1749.2	1768.1
30°	1657.0	1674.4
32.5°	1534.5	1549.0
35°	1390.3	1400.8
37.5°	1231.0	1237.2
40°	1042.6	1048.7
42.5°	889.8	897.1
45°	742.5	747.8
47.5°	621.6	625.7
50°	520.5	523.2
52.5°	430.5	431.7
55°	355.3	354.3
57.5°	291.2	287.8
60°	242.7	237.6
62.5°	198.8	191.9
65°	173.0	165.7
67.5°	159.3	153.7
70°	147.7	143.9
72.5°	142.2	140.6
75°	123.6	122.1
77.5°	97.8	94.8
80°	75.8	71.9
82.5°	56.5	52.3
85°	37.4	32.7
87.5°	18.9	14.2
90°	4.8	0.0
92.5°	4.7	0.0
95°	4.6	0.0
97.5°	4.6	0.0
100°	4.5	0.0
102.5°	4.4	0.0
105°	4.4	0.0
107.5°	4.2	0.0
110°	4.1	0.0



TEST NUMBER: P231943

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	4.0	0.0
115°	3.8	0.0
117.5°	3.6	0.0
120°	3.5	0.0
122.5°	3.4	0.0
125°	3.1	0.0
127.5°	3.0	0.0
130°	2.8	0.0
132.5°	2.7	0.0
135°	3.5	1.1
137.5°	3.4	1.1
140°	3.3	1.1
142.5°	3.0	1.1
145°	2.8	1.1
147.5°	2.7	1.1
150°	2.4	1.1
152.5°	2.2	1.1
155°	1.9	1.1
157.5°	1.7	1.1
160°	1.5	1.1
162.5°	1.3	1.1
165°	1.2	1.1
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)