

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: P232005

Luminaire Tested: **FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-20)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

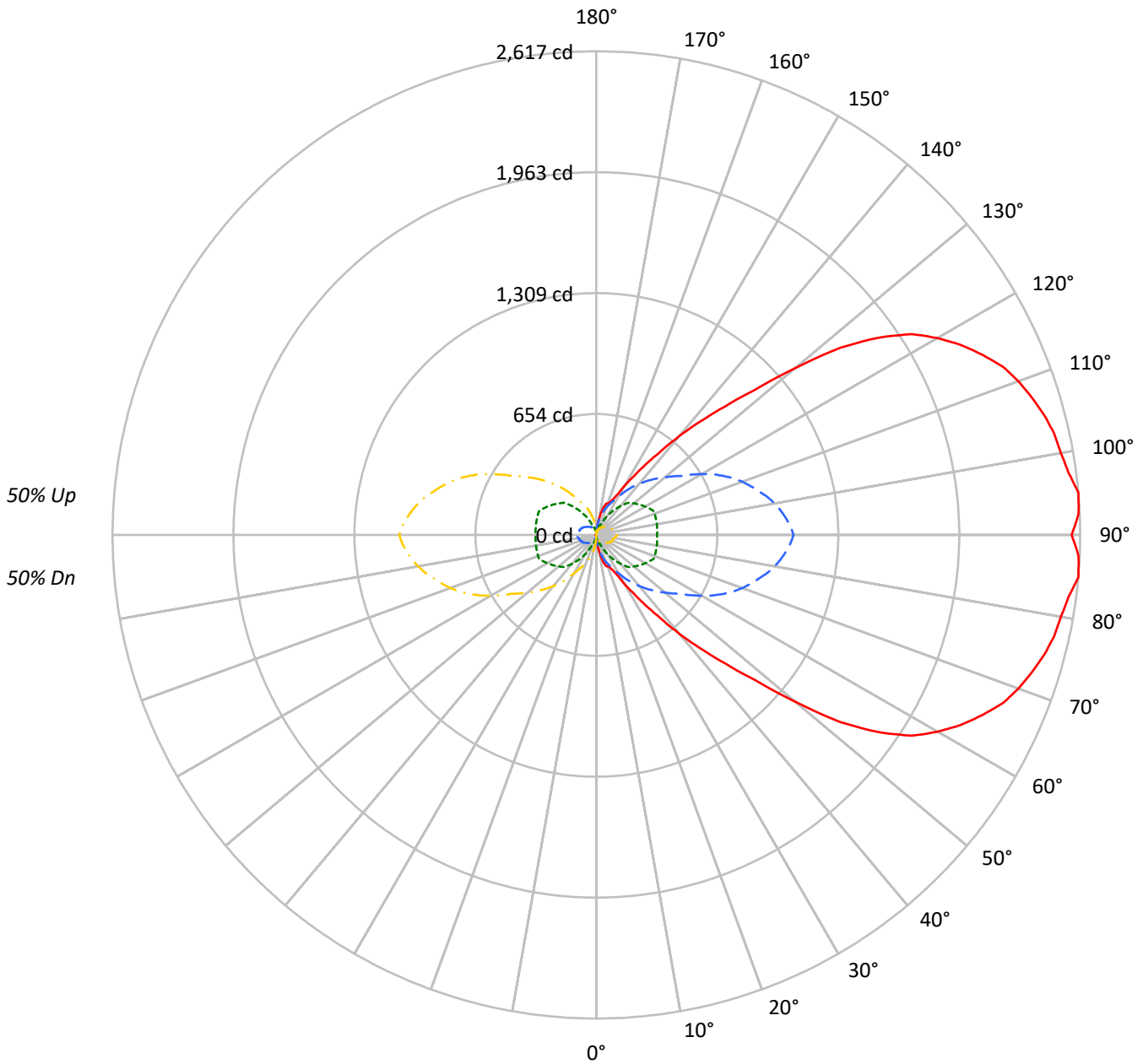
Lumens per Lamp: N/A
Luminaire Lumens: 5957.3 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 21.41 / 13.46 / 14.51
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 57.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	91	84	77	71	83	76	70	65	63	58	54	50	47	43	39	36	34	28
2	80	69	60	53	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	59	49	41	64	53	44	37	43	36	30	33	28	23	25	20	17	12
4	64	50	40	33	58	46	37	30	37	30	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	12	8	5
7	49	35	25	19	44	32	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32	32	32	32
5°	564	214	19	214
10°	1135	399	17	399
15°	1702	589	15	589
20°	1802	790	14	790
25°	1975	1248	13	1248
30°	2755	1996	12	1996
35°	3970	2822	12	2822
40°	5748	3762	12	3762
45°	7885	4856	17	4856
50°	11088	5697	17	5697
55°	14531	6750	16	6750
60°	16597	8106	16	8106
65°	18054	9925	22	9925
70°	19272	12099	22	12099
75°	20315	14920	23	14920
80°	21283	19715	0	19715
85°	22675	29519	0	29519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	19.7	0.3
20°-30°	52.1	0.9
30°-40°	119.9	2.0
40°-50°	236.1	4.0
50°-60°	418.9	7.0
60°-70°	604.4	10.1
70°-80°	730.9	12.3
80°-90°	794.0	13.3
90°-100°	794.0	13.3
100°-110°	730.9	12.3
110°-120°	604.4	10.1
120°-130°	418.9	7.0
130°-140°	236.1	4.0
140°-150°	119.9	2.0
150°-160°	52.1	0.9
160°-170°	19.7	0.3
170°-180°	2.8	0.0
0°-30°	74.5	1.3
0°-40°	194.4	3.3
0°-60°	849.4	14.3
0°-90°	2978.7	50.0
90°-120°	2129.2	35.7
90°-150°	2904.2	48.7
90°-180°	2979.0	50.0
0°-180°	5957.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	42	14	1	14	42	6
15°	157	38	1	38	157	44
25°	210	78	1	78	210	105
35°	466	162	1	162	466	304
45°	982	246	2	246	982	787
55°	1861	286	2	286	1861	1647
65°	2305	326	3	326	2305	2282
75°	2507	334	3	334	2507	2646
85°	2617	330	0	330	2617	2117
90°	2571	328	0	328	2571	1420
95°	2617	330	0	330	2617	2117
105°	2507	334	3	334	2507	2646
115°	2305	326	3	326	2305	2282
125°	1861	286	2	286	1861	1647
135°	982	246	2	246	982	787
145°	466	162	1	162	466	304
155°	210	78	1	78	210	105
165°	157	38	1	38	157	44
175°	42	14	1	14	42	6
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	20.5	20.8	21.0	21.3	21.5	21.7	22.0	21.4	21.4	21.3	21.2
5°	42.5	43.0	43.5	44.1	44.6	44.0	44.1	44.0	43.9	43.7	43.4
7.5°	72.2	72.8	73.4	74.1	73.3	73.2	72.9	72.5	71.9	71.2	70.3
10°	95.5	96.3	97.0	97.8	97.2	97.1	96.9	96.6	96.0	95.3	94.4
12.5°	129.5	130.1	130.7	129.8	129.3	128.6	127.5	126.2	124.6	122.8	120.8
15°	157.1	157.5	158.0	157.0	156.4	155.5	154.3	152.8	151.1	149.2	147.0
17.5°	177.6	178.3	179.0	178.4	178.1	177.5	176.5	175.2	173.6	171.7	169.4
20°	179.7	181.7	183.8	185.4	186.9	188.2	189.1	189.7	189.8	189.5	188.6
22.5°	191.7	195.0	198.3	200.4	202.6	204.3	205.5	206.2	206.2	205.7	204.4
25°	210.1	214.5	218.1	221.5	224.3	226.5	228.1	229.1	229.3	228.9	227.7
27.5°	246.2	250.9	254.1	256.8	258.7	259.8	260.1	259.6	258.4	256.4	254.6
30°	309.2	312.8	313.4	313.5	312.3	310.0	306.7	302.5	297.5	291.9	288.7
32.5°	375.7	378.5	377.7	376.2	373.2	368.7	362.8	355.7	347.5	339.1	331.3
35°	465.5	466.8	462.8	457.7	450.5	441.2	430.0	417.2	402.9	391.1	379.2
37.5°	563.9	563.7	557.1	549.1	538.5	525.3	509.8	492.1	473.0	454.7	435.4
40°	697.6	694.6	682.2	668.0	649.9	628.4	603.8	576.4	550.3	526.1	500.3
42.5°	832.0	827.2	811.9	794.4	772.2	745.8	715.3	681.1	646.3	610.0	572.1
45°	982.0	978.3	961.3	940.8	913.5	879.3	838.3	796.7	750.3	705.4	659.6
47.5°	1161.7	1157.7	1136.6	1111.5	1078.2	1037.0	988.2	934.6	877.1	813.1	758.5
50°	1405.8	1398.2	1366.1	1328.8	1280.9	1223.4	1156.9	1092.1	1024.2	949.4	878.2
52.5°	1662.7	1643.3	1597.4	1548.2	1491.0	1427.7	1360.2	1277.7	1183.5	1088.6	1003.9
55°	1860.8	1834.7	1785.4	1732.4	1670.9	1602.3	1526.6	1443.0	1350.5	1242.8	1130.8
57.5°	2022.1	1987.9	1933.5	1876.7	1813.8	1746.3	1668.7	1583.6	1497.8	1384.2	1267.2
60°	2130.3	2093.6	2040.8	1984.8	1921.9	1852.7	1778.1	1703.0	1615.6	1511.9	1394.3
62.5°	2225.1	2183.5	2133.9	2076.3	2011.0	1939.3	1868.2	1792.8	1708.9	1621.1	1506.1
65°	2305.1	2265.1	2216.9	2159.8	2093.7	2022.3	1947.5	1868.7	1783.4	1692.9	1597.8
67.5°	2379.4	2341.7	2294.9	2238.3	2171.6	2097.6	2018.1	1934.2	1847.4	1754.0	1658.2
70°	2428.9	2399.2	2360.4	2309.8	2242.9	2163.3	2080.1	1991.2	1899.4	1810.6	1719.8
72.5°	2469.9	2454.9	2427.2	2381.8	2301.6	2215.6	2129.5	2038.5	1949.2	1861.1	1773.5
75°	2507.4	2500.1	2483.0	2434.8	2350.3	2256.0	2163.9	2081.9	1995.4	1902.6	1812.3
77.5°	2535.7	2531.6	2520.6	2463.1	2380.8	2286.1	2201.2	2117.7	2030.1	1936.3	1840.1
80°	2551.3	2557.3	2541.7	2484.8	2403.4	2322.0	2233.9	2146.7	2055.4	1959.7	1860.9
82.5°	2575.4	2578.3	2554.9	2514.8	2438.2	2352.0	2257.3	2161.5	2071.2	1979.2	1884.0
85°	2617.1	2585.3	2544.9	2529.6	2463.3	2369.5	2275.2	2181.4	2087.9	1992.1	1898.2
87.5°	2610.7	2567.6	2572.8	2546.1	2472.0	2376.0	2281.7	2192.6	2096.1	1994.1	1902.9
90°	2571.1	2573.2	2585.3	2551.3	2455.8	2363.8	2271.1	2191.2	2093.5	1986.0	1898.3
92.5°	2610.7	2567.6	2572.8	2546.1	2472.0	2376.0	2281.7	2192.6	2096.1	1994.1	1902.9
95°	2617.1	2585.3	2544.9	2529.6	2463.3	2369.5	2275.2	2181.4	2087.9	1992.1	1898.2
97.5°	2575.4	2578.3	2554.9	2514.8	2438.2	2352.0	2257.3	2161.5	2071.2	1979.2	1884.0
100°	2551.3	2557.3	2541.7	2484.8	2403.4	2322.0	2233.9	2146.7	2055.4	1959.7	1860.9
102.5°	2535.7	2531.6	2520.6	2463.1	2380.8	2286.1	2201.2	2117.7	2030.1	1936.3	1840.1
105°	2507.4	2500.1	2483.0	2434.8	2350.3	2256.0	2163.9	2081.9	1995.4	1902.6	1812.3
107.5°	2469.9	2454.9	2427.2	2381.8	2301.6	2215.6	2129.5	2038.5	1949.2	1861.1	1773.5
110°	2428.9	2399.2	2360.4	2309.8	2242.9	2163.3	2080.1	1991.2	1899.4	1810.6	1719.8



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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°	2379.4	2341.7	2294.9	2238.3	2171.6	2097.6	2018.1	1934.2	1847.4	1754.0	1658.2
115°	2305.1	2265.1	2216.9	2159.8	2093.7	2022.3	1947.5	1868.7	1783.4	1692.9	1597.8
117.5°	2225.1	2183.5	2133.9	2076.3	2011.0	1939.3	1868.2	1792.8	1708.9	1621.1	1506.1
120°	2130.3	2093.6	2040.8	1984.8	1921.9	1852.7	1778.1	1703.0	1615.6	1511.9	1394.3
122.5°	2022.1	1987.9	1933.5	1876.7	1813.8	1746.3	1668.7	1583.6	1497.8	1384.2	1267.2
125°	1860.8	1834.7	1785.4	1732.4	1670.9	1602.3	1526.6	1443.0	1350.5	1242.8	1130.8
127.5°	1662.7	1643.3	1597.4	1548.2	1491.0	1427.7	1360.2	1277.7	1183.5	1088.6	1003.9
130°	1405.8	1398.2	1366.1	1328.8	1280.9	1223.4	1156.9	1092.1	1024.2	949.4	878.2
132.5°	1161.7	1157.7	1136.6	1111.5	1078.2	1037.0	988.2	934.6	877.1	813.1	758.5
135°	982.0	978.3	961.3	940.8	913.5	879.3	838.3	796.7	750.3	705.4	659.6
137.5°	832.0	827.2	811.9	794.4	772.2	745.8	715.3	681.1	646.3	610.0	572.1
140°	697.6	694.6	682.2	668.0	649.9	628.4	603.8	576.4	550.3	526.1	500.3
142.5°	563.9	563.7	557.1	549.1	538.5	525.3	509.8	492.1	473.0	454.7	435.4
145°	465.5	466.8	462.8	457.7	450.5	441.2	430.0	417.2	402.9	391.1	379.2
147.5°	375.7	378.5	377.7	376.2	373.2	368.7	362.8	355.7	347.5	339.1	331.3
150°	309.2	312.8	313.4	313.5	312.3	310.0	306.7	302.5	297.5	291.9	288.7
152.5°	246.2	250.9	254.1	256.8	258.7	259.8	260.1	259.6	258.4	256.4	254.6
155°	210.1	214.5	218.1	221.5	224.3	226.5	228.1	229.1	229.3	228.9	227.7
157.5°	191.7	195.0	198.3	200.4	202.6	204.3	205.5	206.2	206.2	205.7	204.4
160°	179.7	181.7	183.8	185.4	186.9	188.2	189.1	189.7	189.8	189.5	188.6
162.5°	177.6	178.3	179.0	178.4	178.1	177.5	176.5	175.2	173.6	171.7	169.4
165°	157.1	157.5	158.0	157.0	156.4	155.5	154.3	152.8	151.1	149.2	147.0
167.5°	129.5	130.1	130.7	129.8	129.3	128.6	127.5	126.2	124.6	122.8	120.8
170°	95.5	96.3	97.0	97.8	97.2	97.1	96.9	96.6	96.0	95.3	94.4
172.5°	72.2	72.8	73.4	74.1	73.3	73.2	72.9	72.5	71.9	71.2	70.3
175°	42.5	43.0	43.5	44.1	44.6	44.0	44.1	44.0	43.9	43.7	43.4
177.5°	20.5	20.8	21.0	21.3	21.5	21.7	22.0	21.4	21.4	21.3	21.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	21.1	20.9	20.7	20.5	20.2	19.9	19.6	19.2	18.8	18.4	18.0
5°	43.0	42.5	41.9	41.3	40.6	39.7	38.8	37.9	36.8	35.7	34.5
7.5°	69.2	68.1	66.8	65.3	63.8	62.1	60.3	58.4	56.4	54.6	52.7
10°	93.3	92.1	90.7	89.2	87.5	85.7	83.5	80.9	78.2	75.4	72.5
12.5°	118.6	116.2	113.5	110.7	108.0	105.7	103.2	100.6	97.7	94.8	91.6
15°	144.7	142.1	139.3	135.9	132.2	128.3	124.3	120.2	115.9	112.2	108.5
17.5°	166.8	163.9	160.5	156.9	153.1	149.2	145.1	140.6	135.7	130.7	125.5
20°	187.2	184.5	180.8	176.8	172.4	167.6	162.7	157.9	152.9	147.8	142.3
22.5°	202.8	201.3	199.0	195.8	191.9	186.8	181.0	174.7	168.3	162.5	156.7
25°	226.1	223.6	220.2	215.8	211.3	206.2	200.1	193.1	185.7	177.8	170.5
27.5°	252.8	250.1	246.5	241.9	236.3	229.6	222.9	213.9	204.8	195.0	185.7
30°	284.8	280.2	275.7	270.2	264.3	257.3	248.7	238.8	229.7	221.8	213.6
32.5°	323.1	314.6	307.8	301.1	293.8	286.0	278.5	270.4	261.3	251.8	242.9
35°	366.6	354.2	344.1	334.1	325.4	317.9	309.8	301.2	291.8	281.7	271.2
37.5°	415.1	398.8	383.3	371.4	360.5	350.2	340.8	331.4	321.3	310.5	299.3
40°	474.4	451.4	430.3	413.3	398.1	384.5	372.6	360.9	350.3	338.9	326.6
42.5°	540.3	512.6	485.3	461.6	439.6	421.4	405.1	391.7	378.3	366.4	353.7
45°	620.4	579.1	545.2	513.4	485.5	459.4	440.0	422.4	407.5	393.0	380.0
47.5°	709.2	659.6	613.1	568.7	534.2	502.7	475.2	454.4	436.4	420.2	405.1
50°	805.5	745.4	688.2	635.5	585.6	547.2	513.9	485.6	465.4	447.4	430.0
52.5°	920.1	840.6	767.4	705.1	646.8	592.9	553.2	520.1	493.2	473.7	466.3
55°	1032.1	941.1	855.9	775.9	709.4	647.6	591.9	555.4	534.2	521.2	517.9
57.5°	1146.9	1036.6	942.3	853.6	772.1	703.4	648.5	607.5	581.1	565.7	562.8
60°	1261.3	1134.9	1021.2	926.1	842.4	769.5	708.0	657.2	627.5	609.6	603.6
62.5°	1378.1	1228.9	1105.4	1002.8	913.3	830.5	764.5	710.2	670.7	648.9	641.3
65°	1475.6	1342.3	1200.6	1080.1	980.1	891.8	815.6	756.1	712.0	688.3	679.7
67.5°	1562.7	1436.9	1298.2	1163.2	1041.5	945.1	863.7	800.8	754.1	725.4	714.6
70°	1621.4	1509.1	1384.4	1239.7	1107.3	997.9	909.7	840.3	790.5	759.0	746.2
72.5°	1675.1	1564.0	1437.6	1304.5	1171.4	1044.4	948.5	876.2	822.4	791.6	777.9
75°	1717.5	1608.7	1484.3	1353.0	1227.6	1088.4	986.8	911.4	857.7	823.3	805.4
77.5°	1752.4	1645.9	1519.6	1391.6	1267.5	1136.2	1026.9	947.7	890.7	853.1	832.4
80°	1772.4	1676.0	1559.3	1428.2	1299.4	1173.0	1060.1	979.3	920.8	881.3	858.9
82.5°	1790.1	1697.8	1591.1	1457.2	1324.2	1199.4	1086.9	1006.5	948.2	907.9	884.9
85°	1801.7	1708.9	1614.3	1478.3	1341.7	1216.7	1107.8	1029.8	973.3	933.2	910.5
87.5°	1806.4	1713.7	1633.4	1495.3	1355.5	1228.7	1125.6	1050.9	997.1	957.8	935.7
90°	1803.5	1705.1	1633.7	1495.0	1354.9	1229.0	1135.6	1066.9	1017.4	980.6	960.1
92.5°	1806.4	1713.7	1633.4	1495.3	1355.5	1228.7	1125.6	1050.9	997.1	957.8	935.7
95°	1801.7	1708.9	1614.3	1478.3	1341.7	1216.7	1107.8	1029.8	973.3	933.2	910.5
97.5°	1790.1	1697.8	1591.1	1457.2	1324.2	1199.4	1086.9	1006.5	948.2	907.9	884.9
100°	1772.4	1676.0	1559.3	1428.2	1299.4	1173.0	1060.1	979.3	920.8	881.3	858.9
102.5°	1752.4	1645.9	1519.6	1391.6	1267.5	1136.2	1026.9	947.7	890.7	853.1	832.4
105°	1717.5	1608.7	1484.3	1353.0	1227.6	1088.4	986.8	911.4	857.7	823.3	805.4
107.5°	1675.1	1564.0	1437.6	1304.5	1171.4	1044.4	948.5	876.2	822.4	791.6	777.9
110°	1621.4	1509.1	1384.4	1239.7	1107.3	997.9	909.7	840.3	790.5	759.0	746.2



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-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°	1562.7	1436.9	1298.2	1163.2	1041.5	945.1	863.7	800.8	754.1	725.4	714.6
115°	1475.6	1342.3	1200.6	1080.1	980.1	891.8	815.6	756.1	712.0	688.3	679.7
117.5°	1378.1	1228.9	1105.4	1002.8	913.3	830.5	764.5	710.2	670.7	648.9	641.3
120°	1261.3	1134.9	1021.2	926.1	842.4	769.5	708.0	657.2	627.5	609.6	603.6
122.5°	1146.9	1036.6	942.3	853.6	772.1	703.4	648.5	607.5	581.1	565.7	562.8
125°	1032.1	941.1	855.9	775.9	709.4	647.6	591.9	555.4	534.2	521.2	517.9
127.5°	920.1	840.6	767.4	705.1	646.8	592.9	553.2	520.1	493.2	473.7	466.3
130°	805.5	745.4	688.2	635.5	585.6	547.2	513.9	485.6	465.4	447.4	430.0
132.5°	709.2	659.6	613.1	568.7	534.2	502.7	475.2	454.4	436.4	420.2	405.1
135°	620.4	579.1	545.2	513.4	485.5	459.4	440.0	422.4	407.5	393.0	380.0
137.5°	540.3	512.6	485.3	461.6	439.6	421.4	405.1	391.7	378.3	366.4	353.7
140°	474.4	451.4	430.3	413.3	398.1	384.5	372.6	360.9	350.3	338.9	326.6
142.5°	415.1	398.8	383.3	371.4	360.5	350.2	340.8	331.4	321.3	310.5	299.3
145°	366.6	354.2	344.1	334.1	325.4	317.9	309.8	301.2	291.8	281.7	271.2
147.5°	323.1	314.6	307.8	301.1	293.8	286.0	278.5	270.4	261.3	251.8	242.9
150°	284.8	280.2	275.7	270.2	264.3	257.3	248.7	238.8	229.7	221.8	213.6
152.5°	252.8	250.1	246.5	241.9	236.3	229.6	222.9	213.9	204.8	195.0	185.7
155°	226.1	223.6	220.2	215.8	211.3	206.2	200.1	193.1	185.7	177.8	170.5
157.5°	202.8	201.3	199.0	195.8	191.9	186.8	181.0	174.7	168.3	162.5	156.7
160°	187.2	184.5	180.8	176.8	172.4	167.6	162.7	157.9	152.9	147.8	142.3
162.5°	166.8	163.9	160.5	156.9	153.1	149.2	145.1	140.6	135.7	130.7	125.5
165°	144.7	142.1	139.3	135.9	132.2	128.3	124.3	120.2	115.9	112.2	108.5
167.5°	118.6	116.2	113.5	110.7	108.0	105.7	103.2	100.6	97.7	94.8	91.6
170°	93.3	92.1	90.7	89.2	87.5	85.7	83.5	80.9	78.2	75.4	72.5
172.5°	69.2	68.1	66.8	65.3	63.8	62.1	60.3	58.4	56.4	54.6	52.7
175°	43.0	42.5	41.9	41.3	40.6	39.7	38.8	37.9	36.8	35.7	34.5
177.5°	21.1	20.9	20.7	20.5	20.2	19.9	19.6	19.2	18.8	18.4	18.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	17.5	17.0	16.4	15.8	15.2	14.6	14.0	13.3	12.6	11.9	11.2
5°	33.2	31.8	30.5	29.3	28.1	26.9	25.7	24.3	23.0	21.6	20.2
7.5°	50.8	48.8	46.7	44.4	42.1	39.7	37.2	35.2	33.2	31.2	29.1
10°	69.4	66.3	63.2	60.1	56.9	53.7	50.4	46.9	43.4	40.6	37.8
12.5°	88.0	84.1	80.2	76.1	72.0	67.8	63.6	59.3	54.8	50.3	46.5
15°	104.6	100.5	96.8	91.5	86.8	81.9	76.9	71.7	66.3	60.8	55.2
17.5°	121.0	115.7	110.8	105.8	100.5	95.1	89.6	84.0	77.9	71.4	64.8
20°	136.5	130.8	125.0	119.3	113.4	107.4	101.5	95.4	89.4	82.0	74.4
22.5°	150.9	144.8	138.6	132.4	126.0	119.3	112.4	106.1	99.7	92.7	84.1
25°	163.4	157.1	150.7	144.3	140.5	136.0	131.0	125.8	120.7	115.2	107.5
27.5°	179.6	175.6	172.4	169.1	165.6	161.8	157.0	151.6	146.1	140.1	132.9
30°	207.1	201.0	196.2	192.9	189.5	186.0	182.0	176.8	171.7	164.9	158.2
32.5°	234.0	226.6	220.3	215.6	212.4	209.1	205.6	201.2	195.8	189.5	182.3
35°	261.4	251.9	244.5	238.1	234.3	231.2	228.2	225.2	219.8	213.9	206.3
37.5°	287.9	277.6	267.7	261.0	255.5	252.5	249.8	247.1	243.1	238.1	230.3
40°	314.4	302.2	291.9	282.6	276.8	272.9	270.7	268.6	265.8	261.3	254.1
42.5°	340.0	327.1	314.9	304.8	297.5	292.4	290.8	289.3	287.8	283.9	277.7
45°	365.8	350.9	337.9	326.6	317.1	312.6	310.2	309.3	308.7	306.2	301.2
47.5°	391.2	375.2	360.4	348.0	337.7	334.5	335.0	335.2	333.7	329.4	322.3
50°	414.9	401.6	398.4	396.2	391.9	385.2	377.7	371.3	363.6	354.6	343.3
52.5°	462.0	462.0	463.8	462.7	455.0	441.2	425.6	410.5	396.0	381.2	365.1
55°	514.9	517.3	523.5	530.5	521.1	501.7	477.7	452.8	430.4	409.3	388.0
57.5°	564.1	568.5	577.8	593.8	587.6	565.4	533.4	497.9	467.1	439.1	411.8
60°	609.2	616.3	629.5	650.1	655.0	632.1	592.5	546.0	506.5	470.3	436.5
62.5°	650.0	661.8	678.2	702.4	723.2	701.3	654.1	597.9	547.6	502.7	461.9
65°	687.1	704.2	724.0	751.2	791.5	768.8	717.1	651.9	590.3	536.2	487.9
67.5°	720.9	743.7	767.4	798.6	845.6	835.0	781.6	707.7	634.2	570.5	514.5
70°	752.8	780.6	810.0	843.3	884.5	877.0	817.1	735.2	652.8	582.9	522.3
72.5°	781.0	801.6	828.8	855.4	883.2	878.5	822.0	743.7	660.5	589.4	527.1
75°	803.4	818.1	844.7	870.3	886.9	880.1	824.8	750.5	667.1	595.2	531.7
77.5°	826.5	836.1	860.6	887.6	894.9	881.7	825.7	755.6	672.8	600.5	535.8
80°	850.2	855.6	876.7	906.9	906.1	883.1	824.9	759.3	677.5	605.1	539.6
82.5°	874.2	876.2	893.1	927.7	919.6	884.0	822.5	761.5	681.2	609.0	545.2
85°	898.5	897.7	910.1	949.4	934.5	886.5	820.5	764.6	685.7	613.6	546.9
87.5°	923.0	919.8	927.4	971.7	950.4	884.1	814.3	762.6	686.3	615.3	548.7
90°	947.4	942.4	946.7	993.4	964.3	881.6	808.0	760.6	687.0	617.0	550.4
92.5°	923.0	919.8	927.4	971.7	950.4	884.1	814.3	762.6	686.3	615.3	548.7
95°	898.5	897.7	910.1	949.4	934.5	886.5	820.5	764.6	685.7	613.6	546.9
97.5°	874.2	876.2	893.1	927.7	919.6	884.0	822.5	761.5	681.2	609.0	545.2
100°	850.2	855.6	876.7	906.9	906.1	883.1	824.9	759.3	677.5	605.1	539.6
102.5°	826.5	836.1	860.6	887.6	894.9	881.7	825.7	755.6	672.8	600.5	535.8
105°	803.4	818.1	844.7	870.3	886.9	880.1	824.8	750.5	667.1	595.2	531.7
107.5°	781.0	801.6	828.8	855.4	883.2	878.5	822.0	743.7	660.5	589.4	527.1
110°	752.8	780.6	810.0	843.3	884.5	877.0	817.1	735.2	652.8	582.9	522.3



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	720.9	743.7	767.4	798.6	845.6	835.0	781.6	707.7	634.2	570.5	514.5
115°	687.1	704.2	724.0	751.2	791.5	768.8	717.1	651.9	590.3	536.2	487.9
117.5°	650.0	661.8	678.2	702.4	723.2	701.3	654.1	597.9	547.6	502.7	461.9
120°	609.2	616.3	629.5	650.1	655.0	632.1	592.5	546.0	506.5	470.3	436.5
122.5°	564.1	568.5	577.8	593.8	587.6	565.4	533.4	497.9	467.1	439.1	411.8
125°	514.9	517.3	523.5	530.5	521.1	501.7	477.7	452.8	430.4	409.3	388.0
127.5°	462.0	462.0	463.8	462.7	455.0	441.2	425.6	410.5	396.0	381.2	365.1
130°	414.9	401.6	398.4	396.2	391.9	385.2	377.7	371.3	363.6	354.6	343.3
132.5°	391.2	375.2	360.4	348.0	337.7	334.5	335.0	335.2	333.7	329.4	322.3
135°	365.8	350.9	337.9	326.6	317.1	312.6	310.2	309.3	308.7	306.2	301.2
137.5°	340.0	327.1	314.9	304.8	297.5	292.4	290.8	289.3	287.8	283.9	277.7
140°	314.4	302.2	291.9	282.6	276.8	272.9	270.7	268.6	265.8	261.3	254.1
142.5°	287.9	277.6	267.7	261.0	255.5	252.5	249.8	247.1	243.1	238.1	230.3
145°	261.4	251.9	244.5	238.1	234.3	231.2	228.2	225.2	219.8	213.9	206.3
147.5°	234.0	226.6	220.3	215.6	212.4	209.1	205.6	201.2	195.8	189.5	182.3
150°	207.1	201.0	196.2	192.9	189.5	186.0	182.0	176.8	171.7	164.9	158.2
152.5°	179.6	175.6	172.4	169.1	165.6	161.8	157.0	151.6	146.1	140.1	132.9
155°	163.4	157.1	150.7	144.3	140.5	136.0	131.0	125.8	120.7	115.2	107.5
157.5°	150.9	144.8	138.6	132.4	126.0	119.3	112.4	106.1	99.7	92.7	84.1
160°	136.5	130.8	125.0	119.3	113.4	107.4	101.5	95.4	89.4	82.0	74.4
162.5°	121.0	115.7	110.8	105.8	100.5	95.1	89.6	84.0	77.9	71.4	64.8
165°	104.6	100.5	96.8	91.5	86.8	81.9	76.9	71.7	66.3	60.8	55.2
167.5°	88.0	84.1	80.2	76.1	72.0	67.8	63.6	59.3	54.8	50.3	46.5
170°	69.4	66.3	63.2	60.1	56.9	53.7	50.4	46.9	43.4	40.6	37.8
172.5°	50.8	48.8	46.7	44.4	42.1	39.7	37.2	35.2	33.2	31.2	29.1
175°	33.2	31.8	30.5	29.3	28.1	26.9	25.7	24.3	23.0	21.6	20.2
177.5°	17.5	17.0	16.4	15.8	15.2	14.6	14.0	13.3	12.6	11.9	11.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	10.5	9.7	8.9	8.2	8.1	8.1	8.0	8.0	7.9	7.8	7.7
5°	18.7	17.3	15.7	14.2	14.1	14.0	13.9	13.7	13.5	13.3	13.1
7.5°	26.9	24.8	22.5	20.3	20.1	19.8	19.6	19.3	19.0	18.6	18.2
10°	35.0	32.2	29.3	26.3	26.0	25.6	25.2	24.7	24.2	23.7	23.3
12.5°	43.0	39.6	36.0	32.4	31.8	31.3	30.6	30.0	29.3	28.9	28.4
15°	51.0	46.9	42.7	38.4	37.7	36.9	36.0	35.1	34.7	34.1	33.5
17.5°	58.8	54.1	49.3	44.5	43.5	42.4	41.2	40.5	40.0	39.4	38.7
20°	66.7	61.3	55.9	50.5	49.2	47.8	46.5	45.9	45.3	44.6	44.1
22.5°	75.3	68.3	62.5	56.6	54.9	53.2	51.9	51.3	50.6	50.1	49.5
25°	98.9	90.9	84.4	77.6	74.9	71.9	69.4	67.2	64.9	62.9	60.7
27.5°	123.5	114.1	106.5	98.6	94.8	90.7	87.3	83.9	80.9	78.0	74.9
30°	147.9	137.4	128.7	119.6	114.6	109.2	104.7	100.0	96.3	92.5	88.2
32.5°	172.3	161.1	150.9	140.6	134.2	127.7	121.7	116.0	111.2	106.1	100.8
35°	196.6	184.7	173.2	161.5	153.7	145.8	138.2	131.5	125.5	119.1	112.6
37.5°	220.8	208.2	195.5	182.5	173.2	163.7	154.3	146.5	139.5	131.5	123.5
40°	244.9	231.7	217.9	203.5	192.5	181.3	170.1	161.2	152.4	143.3	133.7
42.5°	268.7	255.1	240.3	224.5	211.7	198.6	185.8	175.5	165.2	154.9	143.2
45°	291.9	278.4	262.8	245.5	230.8	215.7	201.1	189.5	177.5	165.0	152.1
47.5°	309.3	292.5	274.1	255.6	238.3	221.5	206.2	194.0	182.0	169.7	156.9
50°	326.7	306.6	285.2	265.6	245.6	226.7	210.1	196.4	183.7	171.1	158.1
52.5°	344.8	321.0	296.4	275.7	252.8	231.7	213.8	198.9	185.5	172.8	160.0
55°	363.5	335.7	307.5	285.8	259.9	236.7	217.3	201.3	187.5	174.9	162.7
57.5°	382.7	350.7	318.6	295.8	266.8	241.6	220.7	203.8	189.7	177.3	166.1
60°	402.4	365.9	329.7	305.9	273.8	246.4	224.1	206.4	192.2	180.4	170.5
62.5°	422.5	381.4	340.8	316.0	280.6	251.1	227.4	209.0	195.0	184.0	174.7
65°	442.9	396.9	351.8	326.0	287.4	255.9	230.6	211.8	198.0	188.0	179.9
67.5°	463.5	412.6	362.8	336.1	294.2	260.6	233.8	214.6	201.2	192.5	185.6
70°	468.2	415.9	366.2	335.2	292.3	258.6	231.6	212.6	199.8	192.3	186.6
72.5°	471.3	418.4	369.7	334.4	290.4	256.5	229.1	210.1	197.5	190.3	184.8
75°	474.2	420.7	374.5	333.5	288.6	254.5	226.8	207.7	195.2	188.3	183.0
77.5°	476.7	422.6	377.7	332.6	286.9	252.7	224.6	205.4	193.1	186.5	181.4
80°	478.9	425.6	380.8	331.8	285.2	251.0	222.5	203.2	191.0	184.7	179.9
82.5°	482.2	426.4	384.0	330.9	283.7	249.4	220.6	201.2	189.1	183.0	178.5
85°	483.0	427.2	387.1	330.0	282.2	248.0	218.8	199.3	187.3	181.4	177.2
87.5°	483.8	428.0	390.3	329.2	280.8	246.7	217.2	197.6	185.6	179.8	176.0
90°	484.6	428.8	393.4	328.3	279.5	245.5	215.8	196.0	184.0	178.3	174.8
92.5°	483.8	428.0	390.3	329.2	280.8	246.7	217.2	197.6	185.6	179.8	176.0
95°	483.0	427.2	387.1	330.0	282.2	248.0	218.8	199.3	187.3	181.4	177.2
97.5°	482.2	426.4	384.0	330.9	283.7	249.4	220.6	201.2	189.1	183.0	178.5
100°	478.9	425.6	380.8	331.8	285.2	251.0	222.5	203.2	191.0	184.7	179.9
102.5°	476.7	422.6	377.7	332.6	286.9	252.7	224.6	205.4	193.1	186.5	181.4
105°	474.2	420.7	374.5	333.5	288.6	254.5	226.8	207.7	195.2	188.3	183.0
107.5°	471.3	418.4	369.7	334.4	290.4	256.5	229.1	210.1	197.5	190.3	184.8
110°	468.2	415.9	366.2	335.2	292.3	258.6	231.6	212.6	199.8	192.3	186.6



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-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°	463.5	412.6	362.8	336.1	294.2	260.6	233.8	214.6	201.2	192.5	185.6
115°	442.9	396.9	351.8	326.0	287.4	255.9	230.6	211.8	198.0	188.0	179.9
117.5°	422.5	381.4	340.8	316.0	280.6	251.1	227.4	209.0	195.0	184.0	174.7
120°	402.4	365.9	329.7	305.9	273.8	246.4	224.1	206.4	192.2	180.4	170.5
122.5°	382.7	350.7	318.6	295.8	266.8	241.6	220.7	203.8	189.7	177.3	166.1
125°	363.5	335.7	307.5	285.8	259.9	236.7	217.3	201.3	187.5	174.9	162.7
127.5°	344.8	321.0	296.4	275.7	252.8	231.7	213.8	198.9	185.5	172.8	160.0
130°	326.7	306.6	285.2	265.6	245.6	226.7	210.1	196.4	183.7	171.1	158.1
132.5°	309.3	292.5	274.1	255.6	238.3	221.5	206.2	194.0	182.0	169.7	156.9
135°	291.9	278.4	262.8	245.5	230.8	215.7	201.1	189.5	177.5	165.0	152.1
137.5°	268.7	255.1	240.3	224.5	211.7	198.6	185.8	175.5	165.2	154.9	143.2
140°	244.9	231.7	217.9	203.5	192.5	181.3	170.1	161.2	152.4	143.3	133.7
142.5°	220.8	208.2	195.5	182.5	173.2	163.7	154.3	146.5	139.5	131.5	123.5
145°	196.6	184.7	173.2	161.5	153.7	145.8	138.2	131.5	125.5	119.1	112.6
147.5°	172.3	161.1	150.9	140.6	134.2	127.7	121.7	116.0	111.2	106.1	100.8
150°	147.9	137.4	128.7	119.6	114.6	109.2	104.7	100.0	96.3	92.5	88.2
152.5°	123.5	114.1	106.5	98.6	94.8	90.7	87.3	83.9	80.9	78.0	74.9
155°	98.9	90.9	84.4	77.6	74.9	71.9	69.4	67.2	64.9	62.9	60.7
157.5°	75.3	68.3	62.5	56.6	54.9	53.2	51.9	51.3	50.6	50.1	49.5
160°	66.7	61.3	55.9	50.5	49.2	47.8	46.5	45.9	45.3	44.6	44.1
162.5°	58.8	54.1	49.3	44.5	43.5	42.4	41.2	40.5	40.0	39.4	38.7
165°	51.0	46.9	42.7	38.4	37.7	36.9	36.0	35.1	34.7	34.1	33.5
167.5°	43.0	39.6	36.0	32.4	31.8	31.3	30.6	30.0	29.3	28.9	28.4
170°	35.0	32.2	29.3	26.3	26.0	25.6	25.2	24.7	24.2	23.7	23.3
172.5°	26.9	24.8	22.5	20.3	20.1	19.8	19.6	19.3	19.0	18.6	18.2
175°	18.7	17.3	15.7	14.2	14.1	14.0	13.9	13.7	13.5	13.3	13.1
177.5°	10.5	9.7	8.9	8.2	8.1	8.1	8.0	8.0	7.9	7.8	7.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	7.6	7.5	7.4	7.3	7.1	7.0	6.8	6.7	6.5	6.3	6.1
5°	12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.8	10.5	10.1	9.7
7.5°	17.9	17.5	17.1	16.7	16.3	15.8	15.3	14.8	14.3	13.8	13.3
10°	22.9	22.4	21.9	21.4	20.8	20.3	19.7	19.2	18.6	17.9	17.3
12.5°	27.9	27.3	26.7	26.2	25.6	25.0	24.4	23.7	22.8	22.0	21.1
15°	32.9	32.4	31.9	31.2	30.5	29.7	28.9	27.9	27.0	26.0	24.9
17.5°	38.2	37.6	37.0	36.2	35.3	34.3	33.3	32.2	31.1	29.9	28.7
20°	43.5	42.9	41.9	41.0	39.9	38.8	37.7	36.4	35.1	33.7	32.2
22.5°	48.9	47.9	46.8	45.7	44.6	43.3	42.0	40.4	38.8	37.2	35.6
25°	58.3	55.7	53.0	50.5	49.2	47.6	45.9	44.2	42.6	41.0	39.3
27.5°	71.5	68.1	64.6	61.2	57.6	54.2	51.0	48.3	46.6	44.6	42.6
30°	83.9	79.5	75.1	70.4	65.9	61.7	57.9	54.4	51.3	48.3	45.7
32.5°	95.3	89.7	84.0	78.2	72.7	67.6	63.1	59.2	55.5	52.2	49.2
35°	105.8	98.9	91.6	84.6	78.0	72.2	67.3	62.8	58.9	55.3	52.2
37.5°	115.3	106.7	98.0	89.7	82.0	76.1	70.6	65.8	61.6	58.2	54.9
40°	124.0	113.5	103.3	93.4	85.9	79.1	73.3	68.3	64.4	60.9	57.6
42.5°	131.4	119.3	107.3	97.0	88.8	81.7	75.5	71.1	67.1	63.6	60.2
45°	138.1	124.0	110.2	100.3	91.4	83.6	78.3	73.7	69.9	66.3	62.8
47.5°	142.6	127.6	113.7	102.8	93.6	86.4	80.9	76.7	72.8	69.2	65.2
50°	144.3	129.6	117.4	106.4	96.3	89.2	83.9	79.6	75.9	71.9	67.8
52.5°	146.7	132.9	121.4	111.0	102.2	95.2	89.7	84.5	78.9	74.6	70.7
55°	150.0	137.5	126.2	116.1	108.4	102.3	97.2	92.7	86.0	79.5	73.7
57.5°	154.2	142.5	131.6	122.2	114.7	109.7	105.7	100.1	92.6	85.1	78.2
60°	159.2	147.8	137.5	128.8	122.2	117.8	114.9	107.1	98.1	89.5	81.7
62.5°	164.8	153.5	143.8	135.6	130.2	127.0	122.8	113.7	102.7	93.2	84.6
65°	170.7	159.8	150.4	142.6	138.4	136.6	130.1	118.8	106.7	96.3	87.0
67.5°	176.9	166.5	157.6	150.3	147.0	146.7	137.1	123.4	110.4	99.2	89.2
70°	179.0	170.5	163.2	158.1	156.7	155.6	143.8	127.4	113.7	101.9	90.9
72.5°	177.3	169.8	162.9	158.4	158.0	156.1	145.4	130.6	116.9	104.4	92.4
75°	175.9	169.4	162.8	158.5	158.0	154.2	144.3	132.1	119.3	106.3	94.2
77.5°	174.9	169.3	162.8	158.6	157.6	152.8	144.7	134.5	121.8	108.4	96.3
80°	174.0	169.5	162.9	158.5	157.0	152.0	146.4	137.9	124.6	111.0	98.8
82.5°	173.5	169.9	163.2	158.4	156.2	151.6	149.0	141.9	127.8	114.0	101.5
85°	173.1	170.5	163.6	158.4	155.3	151.6	152.4	146.6	131.4	117.4	104.7
87.5°	172.8	171.2	164.2	158.4	154.4	151.8	156.1	151.7	135.5	121.4	108.3
90°	172.6	171.9	164.9	158.5	153.5	152.1	159.9	157.1	140.1	125.9	112.5
92.5°	172.8	171.2	164.2	158.4	154.4	151.8	156.1	151.7	135.5	121.4	108.3
95°	173.1	170.5	163.6	158.4	155.3	151.6	152.4	146.6	131.4	117.4	104.7
97.5°	173.5	169.9	163.2	158.4	156.2	151.6	149.0	141.9	127.8	114.0	101.5
100°	174.0	169.5	162.9	158.5	157.0	152.0	146.4	137.9	124.6	111.0	98.8
102.5°	174.9	169.3	162.8	158.6	157.6	152.8	144.7	134.5	121.8	108.4	96.3
105°	175.9	169.4	162.8	158.5	158.0	154.2	144.3	132.1	119.3	106.3	94.2
107.5°	177.3	169.8	162.9	158.4	158.0	156.1	145.4	130.6	116.9	104.4	92.4
110°	179.0	170.5	163.2	158.1	156.7	155.6	143.8	127.4	113.7	101.9	90.9



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	176.9	166.5	157.6	150.3	147.0	146.7	137.1	123.4	110.4	99.2	89.2
115°	170.7	159.8	150.4	142.6	138.4	136.6	130.1	118.8	106.7	96.3	87.0
117.5°	164.8	153.5	143.8	135.6	130.2	127.0	122.8	113.7	102.7	93.2	84.6
120°	159.2	147.8	137.5	128.8	122.2	117.8	114.9	107.1	98.1	89.5	81.7
122.5°	154.2	142.5	131.6	122.2	114.7	109.7	105.7	100.1	92.6	85.1	78.2
125°	150.0	137.5	126.2	116.1	108.4	102.3	97.2	92.7	86.0	79.5	73.7
127.5°	146.7	132.9	121.4	111.0	102.2	95.2	89.7	84.5	78.9	74.6	70.7
130°	144.3	129.6	117.4	106.4	96.3	89.2	83.9	79.6	75.9	71.9	67.8
132.5°	142.6	127.6	113.7	102.8	93.6	86.4	80.9	76.7	72.8	69.2	65.2
135°	138.1	124.0	110.2	100.3	91.4	83.6	78.3	73.7	69.9	66.3	62.8
137.5°	131.4	119.3	107.3	97.0	88.8	81.7	75.5	71.1	67.1	63.6	60.2
140°	124.0	113.5	103.3	93.4	85.9	79.1	73.3	68.3	64.4	60.9	57.6
142.5°	115.3	106.7	98.0	89.7	82.0	76.1	70.6	65.8	61.6	58.2	54.9
145°	105.8	98.9	91.6	84.6	78.0	72.2	67.3	62.8	58.9	55.3	52.2
147.5°	95.3	89.7	84.0	78.2	72.7	67.6	63.1	59.2	55.5	52.2	49.2
150°	83.9	79.5	75.1	70.4	65.9	61.7	57.9	54.4	51.3	48.3	45.7
152.5°	71.5	68.1	64.6	61.2	57.6	54.2	51.0	48.3	46.6	44.6	42.6
155°	58.3	55.7	53.0	50.5	49.2	47.6	45.9	44.2	42.6	41.0	39.3
157.5°	48.9	47.9	46.8	45.7	44.6	43.3	42.0	40.4	38.8	37.2	35.6
160°	43.5	42.9	41.9	41.0	39.9	38.8	37.7	36.4	35.1	33.7	32.2
162.5°	38.2	37.6	37.0	36.2	35.3	34.3	33.3	32.2	31.1	29.9	28.7
165°	32.9	32.4	31.9	31.2	30.5	29.7	28.9	27.9	27.0	26.0	24.9
167.5°	27.9	27.3	26.7	26.2	25.6	25.0	24.4	23.7	22.8	22.0	21.1
170°	22.9	22.4	21.9	21.4	20.8	20.3	19.7	19.2	18.6	17.9	17.3
172.5°	17.9	17.5	17.1	16.7	16.3	15.8	15.3	14.8	14.3	13.8	13.3
175°	12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.8	10.5	10.1	9.7
177.5°	7.6	7.5	7.4	7.3	7.1	7.0	6.8	6.7	6.5	6.3	6.1
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	6.0	5.8	5.6	5.4	5.1	4.9	4.7	4.5	4.3	4.0	3.8
5°	9.3	8.9	8.5	8.1	7.6	7.2	6.7	6.3	5.8	5.3	4.8
7.5°	12.7	12.2	11.6	11.0	10.4	9.8	9.2	8.5	7.8	7.2	6.5
10°	16.6	15.8	15.0	14.2	13.4	12.6	11.7	10.8	9.9	9.0	8.1
12.5°	20.2	19.3	18.3	17.3	16.3	15.3	14.2	13.1	12.0	10.8	9.7
15°	23.8	22.7	21.6	20.4	19.1	17.9	16.6	15.2	13.9	12.6	11.2
17.5°	27.4	26.0	24.6	23.2	21.7	20.3	18.8	17.3	15.8	14.3	12.7
20°	30.6	29.1	27.6	26.1	24.5	22.8	21.2	19.4	17.7	15.9	14.1
22.5°	34.1	32.4	30.7	28.9	27.0	25.1	23.2	21.3	19.4	17.4	15.4
25°	37.4	35.5	33.5	31.5	29.4	27.3	25.3	23.2	21.0	18.9	16.7
27.5°	40.5	38.3	36.1	34.0	31.7	29.5	27.2	24.9	22.6	20.3	18.0
30°	43.4	41.1	38.8	36.4	34.0	31.6	29.1	26.6	24.2	21.6	19.0
32.5°	46.5	43.8	41.3	38.8	36.2	33.5	30.7	28.0	25.2	22.5	19.8
35°	49.3	46.5	43.8	40.9	37.9	34.9	32.0	29.1	26.2	23.4	20.7
37.5°	51.9	48.9	45.8	42.6	39.4	36.3	33.2	30.3	27.5	24.6	21.5
40°	54.4	51.1	47.7	44.3	41.0	37.9	34.8	31.5	28.1	24.9	21.7
42.5°	56.7	53.2	49.6	46.3	43.0	39.3	35.5	31.9	28.6	25.3	22.1
45°	59.0	55.3	51.9	48.3	44.3	40.2	36.4	32.5	29.1	25.8	22.5
47.5°	61.4	57.9	53.9	49.7	45.5	41.4	37.4	33.5	29.6	26.1	22.9
50°	64.1	60.0	55.6	51.2	46.8	42.7	38.5	34.3	30.3	26.7	23.5
52.5°	66.5	62.0	57.3	52.7	48.4	43.8	39.2	35.1	31.3	27.4	23.7
55°	68.9	63.9	59.1	54.5	49.5	44.6	40.2	36.0	31.9	27.8	24.1
57.5°	71.8	65.9	61.1	55.7	50.4	45.7	41.2	36.8	32.5	28.4	24.4
60°	74.6	68.4	62.5	56.7	51.6	46.7	42.1	37.4	32.8	28.3	24.4
62.5°	76.9	70.0	63.3	57.5	52.6	47.9	42.8	37.6	32.7	28.4	24.4
65°	78.7	71.0	64.0	58.0	52.8	47.9	43.0	37.5	32.7	28.0	23.4
67.5°	80.0	71.9	64.5	58.3	52.5	47.0	41.8	37.4	32.3	27.1	22.5
70°	81.2	72.6	65.0	58.2	52.0	45.8	40.4	35.6	31.0	26.2	21.3
72.5°	82.4	73.4	65.3	58.0	51.1	44.6	38.8	33.6	28.5	24.1	20.0
75°	83.7	74.1	65.6	57.8	50.3	43.4	37.3	31.4	26.0	21.6	18.4
77.5°	85.4	75.1	65.9	57.5	49.6	42.2	36.0	29.1	23.9	19.7	16.4
80°	87.1	76.3	66.3	57.0	48.3	40.8	34.1	27.4	22.2	17.8	14.1
82.5°	89.1	77.6	66.9	56.7	47.1	39.1	31.9	25.8	20.9	16.2	11.8
85°	91.4	79.3	67.7	56.6	46.2	37.7	30.5	24.7	20.2	16.0	11.7
87.5°	94.2	81.5	68.9	57.0	45.8	36.6	29.8	24.2	20.1	16.5	12.6
90°	97.6	84.2	70.8	58.0	46.0	36.1	29.7	24.1	20.5	17.7	14.2
92.5°	94.2	81.5	68.9	57.0	45.8	36.6	29.8	24.2	20.1	16.5	12.6
95°	91.4	79.3	67.7	56.6	46.2	37.7	30.5	24.7	20.2	16.0	11.7
97.5°	89.1	77.6	66.9	56.7	47.1	39.1	31.9	25.8	20.9	16.2	11.8
100°	87.1	76.3	66.3	57.0	48.3	40.8	34.1	27.4	22.2	17.8	14.1
102.5°	85.4	75.1	65.9	57.5	49.6	42.2	36.0	29.1	23.9	19.7	16.4
105°	83.7	74.1	65.6	57.8	50.3	43.4	37.3	31.4	26.0	21.6	18.4
107.5°	82.4	73.4	65.3	58.0	51.1	44.6	38.8	33.6	28.5	24.1	20.0
110°	81.2	72.6	65.0	58.2	52.0	45.8	40.4	35.6	31.0	26.2	21.3



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-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°	80.0	71.9	64.5	58.3	52.5	47.0	41.8	37.4	32.3	27.1	22.5
115°	78.7	71.0	64.0	58.0	52.8	47.9	43.0	37.5	32.7	28.0	23.4
117.5°	76.9	70.0	63.3	57.5	52.6	47.9	42.8	37.6	32.7	28.4	24.4
120°	74.6	68.4	62.5	56.7	51.6	46.7	42.1	37.4	32.8	28.3	24.4
122.5°	71.8	65.9	61.1	55.7	50.4	45.7	41.2	36.8	32.5	28.4	24.4
125°	68.9	63.9	59.1	54.5	49.5	44.6	40.2	36.0	31.9	27.8	24.1
127.5°	66.5	62.0	57.3	52.7	48.4	43.8	39.2	35.1	31.3	27.4	23.7
130°	64.1	60.0	55.6	51.2	46.8	42.7	38.5	34.3	30.3	26.7	23.5
132.5°	61.4	57.9	53.9	49.7	45.5	41.4	37.4	33.5	29.6	26.1	22.9
135°	59.0	55.3	51.9	48.3	44.3	40.2	36.4	32.5	29.1	25.8	22.5
137.5°	56.7	53.2	49.6	46.3	43.0	39.3	35.5	31.9	28.6	25.3	22.1
140°	54.4	51.1	47.7	44.3	41.0	37.9	34.8	31.5	28.1	24.9	21.7
142.5°	51.9	48.9	45.8	42.6	39.4	36.3	33.2	30.3	27.5	24.6	21.5
145°	49.3	46.5	43.8	40.9	37.9	34.9	32.0	29.1	26.2	23.4	20.7
147.5°	46.5	43.8	41.3	38.8	36.2	33.5	30.7	28.0	25.2	22.5	19.8
150°	43.4	41.1	38.8	36.4	34.0	31.6	29.1	26.6	24.2	21.6	19.0
152.5°	40.5	38.3	36.1	34.0	31.7	29.5	27.2	24.9	22.6	20.3	18.0
155°	37.4	35.5	33.5	31.5	29.4	27.3	25.3	23.2	21.0	18.9	16.7
157.5°	34.1	32.4	30.7	28.9	27.0	25.1	23.2	21.3	19.4	17.4	15.4
160°	30.6	29.1	27.6	26.1	24.5	22.8	21.2	19.4	17.7	15.9	14.1
162.5°	27.4	26.0	24.6	23.2	21.7	20.3	18.8	17.3	15.8	14.3	12.7
165°	23.8	22.7	21.6	20.4	19.1	17.9	16.6	15.2	13.9	12.6	11.2
167.5°	20.2	19.3	18.3	17.3	16.3	15.3	14.2	13.1	12.0	10.8	9.7
170°	16.6	15.8	15.0	14.2	13.4	12.6	11.7	10.8	9.9	9.0	8.1
172.5°	12.7	12.2	11.6	11.0	10.4	9.8	9.2	8.5	7.8	7.2	6.5
175°	9.3	8.9	8.5	8.1	7.6	7.2	6.7	6.3	5.8	5.3	4.8
177.5°	6.0	5.8	5.6	5.4	5.1	4.9	4.7	4.5	4.3	4.0	3.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.6	3.3	3.1	2.8	2.6	2.3	2.1	2.3	2.6	2.8	3.1
5°	4.3	3.9	3.4	2.9	2.4	1.9	1.4	1.9	2.4	2.9	3.4
7.5°	5.8	5.0	4.3	3.6	2.9	2.1	1.4	2.1	2.9	3.6	4.3
10°	7.2	6.2	5.3	4.3	3.3	2.4	1.4	2.4	3.3	4.3	5.3
12.5°	8.5	7.4	6.2	5.0	3.8	2.6	1.4	2.6	3.8	5.0	6.2
15°	9.8	8.4	7.0	5.6	4.2	2.8	1.4	2.8	4.2	5.6	7.0
17.5°	11.1	9.5	7.9	6.3	4.7	3.0	1.4	3.0	4.7	6.3	7.9
20°	12.3	10.5	8.7	6.9	5.1	3.2	1.4	3.2	5.1	6.9	8.7
22.5°	13.5	11.5	9.5	7.5	5.4	3.4	1.4	3.4	5.4	7.5	9.5
25°	14.6	12.4	10.2	8.0	5.8	3.6	1.4	3.6	5.8	8.0	10.2
27.5°	15.6	13.3	10.9	8.5	6.2	3.8	1.4	3.8	6.2	8.5	10.9
30°	16.5	13.9	11.4	8.9	6.4	3.9	1.4	3.9	6.4	8.9	11.4
32.5°	17.1	14.5	11.9	9.2	6.6	4.0	1.4	4.0	6.6	9.2	11.9
35°	17.9	15.2	12.4	9.7	6.9	4.2	1.4	4.2	6.9	9.7	12.4
37.5°	18.5	15.5	12.6	9.8	7.0	4.2	1.4	4.2	7.0	9.8	12.6
40°	18.7	15.8	12.8	9.9	7.1	4.2	1.4	4.2	7.1	9.9	12.8
42.5°	19.1	16.0	13.0	10.1	7.2	4.3	1.4	4.3	7.2	10.1	13.0
45°	19.4	16.4	13.4	10.6	7.7	4.9	2.1	4.9	7.7	10.6	13.4
47.5°	19.8	16.8	13.8	10.9	8.0	5.0	2.1	5.0	8.0	10.9	13.8
50°	20.3	17.1	14.0	10.9	8.0	5.0	2.1	5.0	8.0	10.9	14.0
52.5°	20.3	17.2	14.1	11.1	8.1	5.1	2.1	5.1	8.1	11.1	14.1
55°	20.7	17.4	14.1	11.0	8.0	5.0	2.1	5.0	8.0	11.0	14.1
57.5°	20.6	17.2	14.1	11.1	8.1	5.1	2.1	5.1	8.1	11.1	14.1
60°	20.8	17.4	13.9	10.7	7.7	4.8	2.1	4.8	7.7	10.7	13.9
62.5°	20.2	16.3	13.1	10.2	7.4	4.7	2.1	4.7	7.4	10.2	13.1
65°	19.3	15.7	12.5	9.7	7.3	5.0	2.8	5.0	7.3	9.7	12.5
67.5°	18.4	14.7	11.7	9.0	6.5	4.2	2.1	4.2	6.5	9.0	11.7
70°	17.1	13.7	10.8	8.4	6.3	4.5	2.8	4.5	6.3	8.4	10.8
72.5°	16.2	13.1	10.4	7.7	5.7	4.1	2.8	4.1	5.7	7.7	10.4
75°	15.8	12.7	9.7	6.8	4.9	3.8	2.8	3.8	4.9	6.8	9.7
77.5°	14.0	12.6	9.0	5.3	1.9	0.4	0.0	0.4	1.9	5.3	9.0
80°	11.6	9.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
82.5°	8.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	7.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	7.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	8.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	11.6	9.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
102.5°	14.0	12.6	9.0	5.3	1.9	0.4	0.0	0.4	1.9	5.3	9.0
105°	15.8	12.7	9.7	6.8	4.9	3.8	2.8	3.8	4.9	6.8	9.7
107.5°	16.2	13.1	10.4	7.7	5.7	4.1	2.8	4.1	5.7	7.7	10.4
110°	17.1	13.7	10.8	8.4	6.3	4.5	2.8	4.5	6.3	8.4	10.8



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	18.4	14.7	11.7	9.0	6.5	4.2	2.1	4.2	6.5	9.0	11.7
115°	19.3	15.7	12.5	9.7	7.3	5.0	2.8	5.0	7.3	9.7	12.5
117.5°	20.2	16.3	13.1	10.2	7.4	4.7	2.1	4.7	7.4	10.2	13.1
120°	20.8	17.4	13.9	10.7	7.7	4.8	2.1	4.8	7.7	10.7	13.9
122.5°	20.6	17.2	14.1	11.1	8.1	5.1	2.1	5.1	8.1	11.1	14.1
125°	20.7	17.4	14.1	11.0	8.0	5.0	2.1	5.0	8.0	11.0	14.1
127.5°	20.3	17.2	14.1	11.1	8.1	5.1	2.1	5.1	8.1	11.1	14.1
130°	20.3	17.1	14.0	10.9	8.0	5.0	2.1	5.0	8.0	10.9	14.0
132.5°	19.8	16.8	13.8	10.9	8.0	5.0	2.1	5.0	8.0	10.9	13.8
135°	19.4	16.4	13.4	10.6	7.7	4.9	2.1	4.9	7.7	10.6	13.4
137.5°	19.1	16.0	13.0	10.1	7.2	4.3	1.4	4.3	7.2	10.1	13.0
140°	18.7	15.8	12.8	9.9	7.1	4.2	1.4	4.2	7.1	9.9	12.8
142.5°	18.5	15.5	12.6	9.8	7.0	4.2	1.4	4.2	7.0	9.8	12.6
145°	17.9	15.2	12.4	9.7	6.9	4.2	1.4	4.2	6.9	9.7	12.4
147.5°	17.1	14.5	11.9	9.2	6.6	4.0	1.4	4.0	6.6	9.2	11.9
150°	16.5	13.9	11.4	8.9	6.4	3.9	1.4	3.9	6.4	8.9	11.4
152.5°	15.6	13.3	10.9	8.5	6.2	3.8	1.4	3.8	6.2	8.5	10.9
155°	14.6	12.4	10.2	8.0	5.8	3.6	1.4	3.6	5.8	8.0	10.2
157.5°	13.5	11.5	9.5	7.5	5.4	3.4	1.4	3.4	5.4	7.5	9.5
160°	12.3	10.5	8.7	6.9	5.1	3.2	1.4	3.2	5.1	6.9	8.7
162.5°	11.1	9.5	7.9	6.3	4.7	3.0	1.4	3.0	4.7	6.3	7.9
165°	9.8	8.4	7.0	5.6	4.2	2.8	1.4	2.8	4.2	5.6	7.0
167.5°	8.5	7.4	6.2	5.0	3.8	2.6	1.4	2.6	3.8	5.0	6.2
170°	7.2	6.2	5.3	4.3	3.3	2.4	1.4	2.4	3.3	4.3	5.3
172.5°	5.8	5.0	4.3	3.6	2.9	2.1	1.4	2.1	2.9	3.6	4.3
175°	4.3	3.9	3.4	2.9	2.4	1.9	1.4	1.9	2.4	2.9	3.4
177.5°	3.6	3.3	3.1	2.8	2.6	2.3	2.1	2.3	2.6	2.8	3.1
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.3	3.6	3.8	4.0	4.3	4.5	4.7	4.9	5.1	5.4	5.6
5°	3.9	4.3	4.8	5.3	5.8	6.3	6.7	7.2	7.6	8.1	8.5
7.5°	5.0	5.8	6.5	7.2	7.8	8.5	9.2	9.8	10.4	11.0	11.6
10°	6.2	7.2	8.1	9.0	9.9	10.8	11.7	12.6	13.4	14.2	15.0
12.5°	7.4	8.5	9.7	10.8	12.0	13.1	14.2	15.3	16.3	17.3	18.3
15°	8.4	9.8	11.2	12.6	13.9	15.2	16.6	17.9	19.1	20.4	21.6
17.5°	9.5	11.1	12.7	14.3	15.8	17.3	18.8	20.3	21.7	23.2	24.6
20°	10.5	12.3	14.1	15.9	17.7	19.4	21.2	22.8	24.5	26.1	27.6
22.5°	11.5	13.5	15.4	17.4	19.4	21.3	23.2	25.1	27.0	28.9	30.7
25°	12.4	14.6	16.7	18.9	21.0	23.2	25.3	27.3	29.4	31.5	33.5
27.5°	13.3	15.6	18.0	20.3	22.6	24.9	27.2	29.5	31.7	34.0	36.1
30°	13.9	16.5	19.0	21.6	24.2	26.6	29.1	31.6	34.0	36.4	38.8
32.5°	14.5	17.1	19.8	22.5	25.2	28.0	30.7	33.5	36.2	38.8	41.3
35°	15.2	17.9	20.7	23.4	26.2	29.1	32.0	34.9	37.9	40.9	43.8
37.5°	15.5	18.5	21.5	24.6	27.5	30.3	33.2	36.3	39.4	42.6	45.8
40°	15.8	18.7	21.7	24.9	28.1	31.5	34.8	37.9	41.0	44.3	47.7
42.5°	16.0	19.1	22.1	25.3	28.6	31.9	35.5	39.3	43.0	46.3	49.6
45°	16.4	19.4	22.5	25.8	29.1	32.5	36.4	40.2	44.3	48.3	51.9
47.5°	16.8	19.8	22.9	26.1	29.6	33.5	37.4	41.4	45.5	49.7	53.9
50°	17.1	20.3	23.5	26.7	30.3	34.3	38.5	42.7	46.8	51.2	55.6
52.5°	17.2	20.3	23.7	27.4	31.3	35.1	39.2	43.8	48.4	52.7	57.3
55°	17.4	20.7	24.1	27.8	31.9	36.0	40.2	44.6	49.5	54.5	59.1
57.5°	17.2	20.6	24.4	28.4	32.5	36.8	41.2	45.7	50.4	55.7	61.1
60°	17.4	20.8	24.4	28.3	32.8	37.4	42.1	46.7	51.6	56.7	62.5
62.5°	16.3	20.2	24.4	28.4	32.7	37.6	42.8	47.9	52.6	57.5	63.3
65°	15.7	19.3	23.4	28.0	32.7	37.5	43.0	47.9	52.8	58.0	64.0
67.5°	14.7	18.4	22.5	27.1	32.3	37.4	41.8	47.0	52.5	58.3	64.5
70°	13.7	17.1	21.3	26.2	31.0	35.6	40.4	45.8	52.0	58.2	65.0
72.5°	13.1	16.2	20.0	24.1	28.5	33.6	38.8	44.6	51.1	58.0	65.3
75°	12.7	15.8	18.4	21.6	26.0	31.4	37.3	43.4	50.3	57.8	65.6
77.5°	12.6	14.0	16.4	19.7	23.9	29.1	36.0	42.2	49.6	57.5	65.9
80°	9.5	11.6	14.1	17.8	22.2	27.4	34.1	40.8	48.3	57.0	66.3
82.5°	5.4	8.6	11.8	16.2	20.9	25.8	31.9	39.1	47.1	56.7	66.9
85°	1.9	7.0	11.7	16.0	20.2	24.7	30.5	37.7	46.2	56.6	67.7
87.5°	0.7	7.4	12.6	16.5	20.1	24.2	29.8	36.6	45.8	57.0	68.9
90°	0.0	8.5	14.2	17.7	20.5	24.1	29.7	36.1	46.0	58.0	70.8
92.5°	0.7	7.4	12.6	16.5	20.1	24.2	29.8	36.6	45.8	57.0	68.9
95°	1.9	7.0	11.7	16.0	20.2	24.7	30.5	37.7	46.2	56.6	67.7
97.5°	5.4	8.6	11.8	16.2	20.9	25.8	31.9	39.1	47.1	56.7	66.9
100°	9.5	11.6	14.1	17.8	22.2	27.4	34.1	40.8	48.3	57.0	66.3
102.5°	12.6	14.0	16.4	19.7	23.9	29.1	36.0	42.2	49.6	57.5	65.9
105°	12.7	15.8	18.4	21.6	26.0	31.4	37.3	43.4	50.3	57.8	65.6
107.5°	13.1	16.2	20.0	24.1	28.5	33.6	38.8	44.6	51.1	58.0	65.3
110°	13.7	17.1	21.3	26.2	31.0	35.6	40.4	45.8	52.0	58.2	65.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	14.7	18.4	22.5	27.1	32.3	37.4	41.8	47.0	52.5	58.3	64.5
115°	15.7	19.3	23.4	28.0	32.7	37.5	43.0	47.9	52.8	58.0	64.0
117.5°	16.3	20.2	24.4	28.4	32.7	37.6	42.8	47.9	52.6	57.5	63.3
120°	17.4	20.8	24.4	28.3	32.8	37.4	42.1	46.7	51.6	56.7	62.5
122.5°	17.2	20.6	24.4	28.4	32.5	36.8	41.2	45.7	50.4	55.7	61.1
125°	17.4	20.7	24.1	27.8	31.9	36.0	40.2	44.6	49.5	54.5	59.1
127.5°	17.2	20.3	23.7	27.4	31.3	35.1	39.2	43.8	48.4	52.7	57.3
130°	17.1	20.3	23.5	26.7	30.3	34.3	38.5	42.7	46.8	51.2	55.6
132.5°	16.8	19.8	22.9	26.1	29.6	33.5	37.4	41.4	45.5	49.7	53.9
135°	16.4	19.4	22.5	25.8	29.1	32.5	36.4	40.2	44.3	48.3	51.9
137.5°	16.0	19.1	22.1	25.3	28.6	31.9	35.5	39.3	43.0	46.3	49.6
140°	15.8	18.7	21.7	24.9	28.1	31.5	34.8	37.9	41.0	44.3	47.7
142.5°	15.5	18.5	21.5	24.6	27.5	30.3	33.2	36.3	39.4	42.6	45.8
145°	15.2	17.9	20.7	23.4	26.2	29.1	32.0	34.9	37.9	40.9	43.8
147.5°	14.5	17.1	19.8	22.5	25.2	28.0	30.7	33.5	36.2	38.8	41.3
150°	13.9	16.5	19.0	21.6	24.2	26.6	29.1	31.6	34.0	36.4	38.8
152.5°	13.3	15.6	18.0	20.3	22.6	24.9	27.2	29.5	31.7	34.0	36.1
155°	12.4	14.6	16.7	18.9	21.0	23.2	25.3	27.3	29.4	31.5	33.5
157.5°	11.5	13.5	15.4	17.4	19.4	21.3	23.2	25.1	27.0	28.9	30.7
160°	10.5	12.3	14.1	15.9	17.7	19.4	21.2	22.8	24.5	26.1	27.6
162.5°	9.5	11.1	12.7	14.3	15.8	17.3	18.8	20.3	21.7	23.2	24.6
165°	8.4	9.8	11.2	12.6	13.9	15.2	16.6	17.9	19.1	20.4	21.6
167.5°	7.4	8.5	9.7	10.8	12.0	13.1	14.2	15.3	16.3	17.3	18.3
170°	6.2	7.2	8.1	9.0	9.9	10.8	11.7	12.6	13.4	14.2	15.0
172.5°	5.0	5.8	6.5	7.2	7.8	8.5	9.2	9.8	10.4	11.0	11.6
175°	3.9	4.3	4.8	5.3	5.8	6.3	6.7	7.2	7.6	8.1	8.5
177.5°	3.3	3.6	3.8	4.0	4.3	4.5	4.7	4.9	5.1	5.4	5.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	5.8	6.0	6.1	6.3	6.5	6.7	6.8	7.0	7.1	7.3	7.4
5°	8.9	9.3	9.7	10.1	10.5	10.8	11.2	11.5	11.8	12.1	12.4
7.5°	12.2	12.7	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.7	17.1
10°	15.8	16.6	17.3	17.9	18.6	19.2	19.7	20.3	20.8	21.4	21.9
12.5°	19.3	20.2	21.1	22.0	22.8	23.7	24.4	25.0	25.6	26.2	26.7
15°	22.7	23.8	24.9	26.0	27.0	27.9	28.9	29.7	30.5	31.2	31.9
17.5°	26.0	27.4	28.7	29.9	31.1	32.2	33.3	34.3	35.3	36.2	37.0
20°	29.1	30.6	32.2	33.7	35.1	36.4	37.7	38.8	39.9	41.0	41.9
22.5°	32.4	34.1	35.6	37.2	38.8	40.4	42.0	43.3	44.6	45.7	46.8
25°	35.5	37.4	39.3	41.0	42.6	44.2	45.9	47.6	49.2	50.5	53.0
27.5°	38.3	40.5	42.6	44.6	46.6	48.3	51.0	54.2	57.6	61.2	64.6
30°	41.1	43.4	45.7	48.3	51.3	54.4	57.9	61.7	65.9	70.4	75.1
32.5°	43.8	46.5	49.2	52.2	55.5	59.2	63.1	67.6	72.7	78.2	84.0
35°	46.5	49.3	52.2	55.3	58.9	62.8	67.3	72.2	78.0	84.6	91.6
37.5°	48.9	51.9	54.9	58.2	61.6	65.8	70.6	76.1	82.0	89.7	98.0
40°	51.1	54.4	57.6	60.9	64.4	68.3	73.3	79.1	85.9	93.4	103.3
42.5°	53.2	56.7	60.2	63.6	67.1	71.1	75.5	81.7	88.8	97.0	107.3
45°	55.3	59.0	62.8	66.3	69.9	73.7	78.3	83.6	91.4	100.3	110.2
47.5°	57.9	61.4	65.2	69.2	72.8	76.7	80.9	86.4	93.6	102.8	113.7
50°	60.0	64.1	67.8	71.9	75.9	79.6	83.9	89.2	96.3	106.4	117.4
52.5°	62.0	66.5	70.7	74.6	78.9	84.5	89.7	95.2	102.2	111.0	121.4
55°	63.9	68.9	73.7	79.5	86.0	92.7	97.2	102.3	108.4	116.1	126.2
57.5°	65.9	71.8	78.2	85.1	92.6	100.1	105.7	109.7	114.7	122.2	131.6
60°	68.4	74.6	81.7	89.5	98.1	107.1	114.9	117.8	122.2	128.8	137.5
62.5°	70.0	76.9	84.6	93.2	102.7	113.7	122.8	127.0	130.2	135.6	143.8
65°	71.0	78.7	87.0	96.3	106.7	118.8	130.1	136.6	138.4	142.6	150.4
67.5°	71.9	80.0	89.2	99.2	110.4	123.4	137.1	146.7	147.0	150.3	157.6
70°	72.6	81.2	90.9	101.9	113.7	127.4	143.8	155.6	156.7	158.1	163.2
72.5°	73.4	82.4	92.4	104.4	116.9	130.6	145.4	156.1	158.0	158.4	162.9
75°	74.1	83.7	94.2	106.3	119.3	132.1	144.3	154.2	158.0	158.5	162.8
77.5°	75.1	85.4	96.3	108.4	121.8	134.5	144.7	152.8	157.6	158.6	162.8
80°	76.3	87.1	98.8	111.0	124.6	137.9	146.4	152.0	157.0	158.5	162.9
82.5°	77.6	89.1	101.5	114.0	127.8	141.9	149.0	151.6	156.2	158.4	163.2
85°	79.3	91.4	104.7	117.4	131.4	146.6	152.4	151.6	155.3	158.4	163.6
87.5°	81.5	94.2	108.3	121.4	135.5	151.7	156.1	151.8	154.4	158.4	164.2
90°	84.2	97.6	112.5	125.9	140.1	157.1	159.9	152.1	153.5	158.5	164.9
92.5°	81.5	94.2	108.3	121.4	135.5	151.7	156.1	151.8	154.4	158.4	164.2
95°	79.3	91.4	104.7	117.4	131.4	146.6	152.4	151.6	155.3	158.4	163.6
97.5°	77.6	89.1	101.5	114.0	127.8	141.9	149.0	151.6	156.2	158.4	163.2
100°	76.3	87.1	98.8	111.0	124.6	137.9	146.4	152.0	157.0	158.5	162.9
102.5°	75.1	85.4	96.3	108.4	121.8	134.5	144.7	152.8	157.6	158.6	162.8
105°	74.1	83.7	94.2	106.3	119.3	132.1	144.3	154.2	158.0	158.5	162.8
107.5°	73.4	82.4	92.4	104.4	116.9	130.6	145.4	156.1	158.0	158.4	162.9
110°	72.6	81.2	90.9	101.9	113.7	127.4	143.8	155.6	156.7	158.1	163.2



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	71.9	80.0	89.2	99.2	110.4	123.4	137.1	146.7	147.0	150.3	157.6
115°	71.0	78.7	87.0	96.3	106.7	118.8	130.1	136.6	138.4	142.6	150.4
117.5°	70.0	76.9	84.6	93.2	102.7	113.7	122.8	127.0	130.2	135.6	143.8
120°	68.4	74.6	81.7	89.5	98.1	107.1	114.9	117.8	122.2	128.8	137.5
122.5°	65.9	71.8	78.2	85.1	92.6	100.1	105.7	109.7	114.7	122.2	131.6
125°	63.9	68.9	73.7	79.5	86.0	92.7	97.2	102.3	108.4	116.1	126.2
127.5°	62.0	66.5	70.7	74.6	78.9	84.5	89.7	95.2	102.2	111.0	121.4
130°	60.0	64.1	67.8	71.9	75.9	79.6	83.9	89.2	96.3	106.4	117.4
132.5°	57.9	61.4	65.2	69.2	72.8	76.7	80.9	86.4	93.6	102.8	113.7
135°	55.3	59.0	62.8	66.3	69.9	73.7	78.3	83.6	91.4	100.3	110.2
137.5°	53.2	56.7	60.2	63.6	67.1	71.1	75.5	81.7	88.8	97.0	107.3
140°	51.1	54.4	57.6	60.9	64.4	68.3	73.3	79.1	85.9	93.4	103.3
142.5°	48.9	51.9	54.9	58.2	61.6	65.8	70.6	76.1	82.0	89.7	98.0
145°	46.5	49.3	52.2	55.3	58.9	62.8	67.3	72.2	78.0	84.6	91.6
147.5°	43.8	46.5	49.2	52.2	55.5	59.2	63.1	67.6	72.7	78.2	84.0
150°	41.1	43.4	45.7	48.3	51.3	54.4	57.9	61.7	65.9	70.4	75.1
152.5°	38.3	40.5	42.6	44.6	46.6	48.3	51.0	54.2	57.6	61.2	64.6
155°	35.5	37.4	39.3	41.0	42.6	44.2	45.9	47.6	49.2	50.5	53.0
157.5°	32.4	34.1	35.6	37.2	38.8	40.4	42.0	43.3	44.6	45.7	46.8
160°	29.1	30.6	32.2	33.7	35.1	36.4	37.7	38.8	39.9	41.0	41.9
162.5°	26.0	27.4	28.7	29.9	31.1	32.2	33.3	34.3	35.3	36.2	37.0
165°	22.7	23.8	24.9	26.0	27.0	27.9	28.9	29.7	30.5	31.2	31.9
167.5°	19.3	20.2	21.1	22.0	22.8	23.7	24.4	25.0	25.6	26.2	26.7
170°	15.8	16.6	17.3	17.9	18.6	19.2	19.7	20.3	20.8	21.4	21.9
172.5°	12.2	12.7	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.7	17.1
175°	8.9	9.3	9.7	10.1	10.5	10.8	11.2	11.5	11.8	12.1	12.4
177.5°	5.8	6.0	6.1	6.3	6.5	6.7	6.8	7.0	7.1	7.3	7.4
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.9
5°	12.6	12.9	13.1	13.3	13.5	13.7	13.9	14.0	14.1	14.2	15.7
7.5°	17.5	17.9	18.2	18.6	19.0	19.3	19.6	19.8	20.1	20.3	22.5
10°	22.4	22.9	23.3	23.7	24.2	24.7	25.2	25.6	26.0	26.3	29.3
12.5°	27.3	27.9	28.4	28.9	29.3	30.0	30.6	31.3	31.8	32.4	36.0
15°	32.4	32.9	33.5	34.1	34.7	35.1	36.0	36.9	37.7	38.4	42.7
17.5°	37.6	38.2	38.7	39.4	40.0	40.5	41.2	42.4	43.5	44.5	49.3
20°	42.9	43.5	44.1	44.6	45.3	45.9	46.5	47.8	49.2	50.5	55.9
22.5°	47.9	48.9	49.5	50.1	50.6	51.3	51.9	53.2	54.9	56.6	62.5
25°	55.7	58.3	60.7	62.9	64.9	67.2	69.4	71.9	74.9	77.6	84.4
27.5°	68.1	71.5	74.9	78.0	80.9	83.9	87.3	90.7	94.8	98.6	106.5
30°	79.5	83.9	88.2	92.5	96.3	100.0	104.7	109.2	114.6	119.6	128.7
32.5°	89.7	95.3	100.8	106.1	111.2	116.0	121.7	127.7	134.2	140.6	150.9
35°	98.9	105.8	112.6	119.1	125.5	131.5	138.2	145.8	153.7	161.5	173.2
37.5°	106.7	115.3	123.5	131.5	139.5	146.5	154.3	163.7	173.2	182.5	195.5
40°	113.5	124.0	133.7	143.3	152.4	161.2	170.1	181.3	192.5	203.5	217.9
42.5°	119.3	131.4	143.2	154.9	165.2	175.5	185.8	198.6	211.7	224.5	240.3
45°	124.0	138.1	152.1	165.0	177.5	189.5	201.1	215.7	230.8	245.5	262.8
47.5°	127.6	142.6	156.9	169.7	182.0	194.0	206.2	221.5	238.3	255.6	274.1
50°	129.6	144.3	158.1	171.1	183.7	196.4	210.1	226.7	245.6	265.6	285.2
52.5°	132.9	146.7	160.0	172.8	185.5	198.9	213.8	231.7	252.8	275.7	296.4
55°	137.5	150.0	162.7	174.9	187.5	201.3	217.3	236.7	259.9	285.8	307.5
57.5°	142.5	154.2	166.1	177.3	189.7	203.8	220.7	241.6	266.8	295.8	318.6
60°	147.8	159.2	170.5	180.4	192.2	206.4	224.1	246.4	273.8	305.9	329.7
62.5°	153.5	164.8	174.7	184.0	195.0	209.0	227.4	251.1	280.6	316.0	340.8
65°	159.8	170.7	179.9	188.0	198.0	211.8	230.6	255.9	287.4	326.0	351.8
67.5°	166.5	176.9	185.6	192.5	201.2	214.6	233.8	260.6	294.2	336.1	362.8
70°	170.5	179.0	186.6	192.3	199.8	212.6	231.6	258.6	292.3	335.2	366.2
72.5°	169.8	177.3	184.8	190.3	197.5	210.1	229.1	256.5	290.4	334.4	369.7
75°	169.4	175.9	183.0	188.3	195.2	207.7	226.8	254.5	288.6	333.5	374.5
77.5°	169.3	174.9	181.4	186.5	193.1	205.4	224.6	252.7	286.9	332.6	377.7
80°	169.5	174.0	179.9	184.7	191.0	203.2	222.5	251.0	285.2	331.8	380.8
82.5°	169.9	173.5	178.5	183.0	189.1	201.2	220.6	249.4	283.7	330.9	384.0
85°	170.5	173.1	177.2	181.4	187.3	199.3	218.8	248.0	282.2	330.0	387.1
87.5°	171.2	172.8	176.0	179.8	185.6	197.6	217.2	246.7	280.8	329.2	390.3
90°	171.9	172.6	174.8	178.3	184.0	196.0	215.8	245.5	279.5	328.3	393.4
92.5°	171.2	172.8	176.0	179.8	185.6	197.6	217.2	246.7	280.8	329.2	390.3
95°	170.5	173.1	177.2	181.4	187.3	199.3	218.8	248.0	282.2	330.0	387.1
97.5°	169.9	173.5	178.5	183.0	189.1	201.2	220.6	249.4	283.7	330.9	384.0
100°	169.5	174.0	179.9	184.7	191.0	203.2	222.5	251.0	285.2	331.8	380.8
102.5°	169.3	174.9	181.4	186.5	193.1	205.4	224.6	252.7	286.9	332.6	377.7
105°	169.4	175.9	183.0	188.3	195.2	207.7	226.8	254.5	288.6	333.5	374.5
107.5°	169.8	177.3	184.8	190.3	197.5	210.1	229.1	256.5	290.4	334.4	369.7
110°	170.5	179.0	186.6	192.3	199.8	212.6	231.6	258.6	292.3	335.2	366.2



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-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°	166.5	176.9	185.6	192.5	201.2	214.6	233.8	260.6	294.2	336.1	362.8
115°	159.8	170.7	179.9	188.0	198.0	211.8	230.6	255.9	287.4	326.0	351.8
117.5°	153.5	164.8	174.7	184.0	195.0	209.0	227.4	251.1	280.6	316.0	340.8
120°	147.8	159.2	170.5	180.4	192.2	206.4	224.1	246.4	273.8	305.9	329.7
122.5°	142.5	154.2	166.1	177.3	189.7	203.8	220.7	241.6	266.8	295.8	318.6
125°	137.5	150.0	162.7	174.9	187.5	201.3	217.3	236.7	259.9	285.8	307.5
127.5°	132.9	146.7	160.0	172.8	185.5	198.9	213.8	231.7	252.8	275.7	296.4
130°	129.6	144.3	158.1	171.1	183.7	196.4	210.1	226.7	245.6	265.6	285.2
132.5°	127.6	142.6	156.9	169.7	182.0	194.0	206.2	221.5	238.3	255.6	274.1
135°	124.0	138.1	152.1	165.0	177.5	189.5	201.1	215.7	230.8	245.5	262.8
137.5°	119.3	131.4	143.2	154.9	165.2	175.5	185.8	198.6	211.7	224.5	240.3
140°	113.5	124.0	133.7	143.3	152.4	161.2	170.1	181.3	192.5	203.5	217.9
142.5°	106.7	115.3	123.5	131.5	139.5	146.5	154.3	163.7	173.2	182.5	195.5
145°	98.9	105.8	112.6	119.1	125.5	131.5	138.2	145.8	153.7	161.5	173.2
147.5°	89.7	95.3	100.8	106.1	111.2	116.0	121.7	127.7	134.2	140.6	150.9
150°	79.5	83.9	88.2	92.5	96.3	100.0	104.7	109.2	114.6	119.6	128.7
152.5°	68.1	71.5	74.9	78.0	80.9	83.9	87.3	90.7	94.8	98.6	106.5
155°	55.7	58.3	60.7	62.9	64.9	67.2	69.4	71.9	74.9	77.6	84.4
157.5°	47.9	48.9	49.5	50.1	50.6	51.3	51.9	53.2	54.9	56.6	62.5
160°	42.9	43.5	44.1	44.6	45.3	45.9	46.5	47.8	49.2	50.5	55.9
162.5°	37.6	38.2	38.7	39.4	40.0	40.5	41.2	42.4	43.5	44.5	49.3
165°	32.4	32.9	33.5	34.1	34.7	35.1	36.0	36.9	37.7	38.4	42.7
167.5°	27.3	27.9	28.4	28.9	29.3	30.0	30.6	31.3	31.8	32.4	36.0
170°	22.4	22.9	23.3	23.7	24.2	24.7	25.2	25.6	26.0	26.3	29.3
172.5°	17.5	17.9	18.2	18.6	19.0	19.3	19.6	19.8	20.1	20.3	22.5
175°	12.6	12.9	13.1	13.3	13.5	13.7	13.9	14.0	14.1	14.2	15.7
177.5°	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	9.7	10.5	11.2	11.9	12.6	13.3	14.0	14.6	15.2	15.8	16.4
5°	17.3	18.7	20.2	21.6	23.0	24.3	25.7	26.9	28.1	29.3	30.5
7.5°	24.8	26.9	29.1	31.2	33.2	35.2	37.2	39.7	42.1	44.4	46.7
10°	32.2	35.0	37.8	40.6	43.4	46.9	50.4	53.7	56.9	60.1	63.2
12.5°	39.6	43.0	46.5	50.3	54.8	59.3	63.6	67.8	72.0	76.1	80.2
15°	46.9	51.0	55.2	60.8	66.3	71.7	76.9	81.9	86.8	91.5	96.8
17.5°	54.1	58.8	64.8	71.4	77.9	84.0	89.6	95.1	100.5	105.8	110.8
20°	61.3	66.7	74.4	82.0	89.4	95.4	101.5	107.4	113.4	119.3	125.0
22.5°	68.3	75.3	84.1	92.7	99.7	106.1	112.4	119.3	126.0	132.4	138.6
25°	90.9	98.9	107.5	115.2	120.7	125.8	131.0	136.0	140.5	144.3	150.7
27.5°	114.1	123.5	132.9	140.1	146.1	151.6	157.0	161.8	165.6	169.1	172.4
30°	137.4	147.9	158.2	164.9	171.7	176.8	182.0	186.0	189.5	192.9	196.2
32.5°	161.1	172.3	182.3	189.5	195.8	201.2	205.6	209.1	212.4	215.6	220.3
35°	184.7	196.6	206.3	213.9	219.8	225.2	228.2	231.2	234.3	238.1	244.5
37.5°	208.2	220.8	230.3	238.1	243.1	247.1	249.8	252.5	255.5	261.0	267.7
40°	231.7	244.9	254.1	261.3	265.8	268.6	270.7	272.9	276.8	282.6	291.9
42.5°	255.1	268.7	277.7	283.9	287.8	289.3	290.8	292.4	297.5	304.8	314.9
45°	278.4	291.9	301.2	306.2	308.7	309.3	310.2	312.6	317.1	326.6	337.9
47.5°	292.5	309.3	322.3	329.4	333.7	335.2	335.0	334.5	337.7	348.0	360.4
50°	306.6	326.7	343.3	354.6	363.6	371.3	377.7	385.2	391.9	396.2	398.4
52.5°	321.0	344.8	365.1	381.2	396.0	410.5	425.6	441.2	455.0	462.7	463.8
55°	335.7	363.5	388.0	409.3	430.4	452.8	477.7	501.7	521.1	530.5	523.5
57.5°	350.7	382.7	411.8	439.1	467.1	497.9	533.4	565.4	587.6	593.8	577.8
60°	365.9	402.4	436.5	470.3	506.5	546.0	592.5	632.1	655.0	650.1	629.5
62.5°	381.4	422.5	461.9	502.7	547.6	597.9	654.1	701.3	723.2	702.4	678.2
65°	396.9	442.9	487.9	536.2	590.3	651.9	717.1	768.8	791.5	751.2	724.0
67.5°	412.6	463.5	514.5	570.5	634.2	707.7	781.6	835.0	845.6	798.6	767.4
70°	415.9	468.2	522.3	582.9	652.8	735.2	817.1	877.0	884.5	843.3	810.0
72.5°	418.4	471.3	527.1	589.4	660.5	743.7	822.0	878.5	883.2	855.4	828.8
75°	420.7	474.2	531.7	595.2	667.1	750.5	824.8	880.1	886.9	870.3	844.7
77.5°	422.6	476.7	535.8	600.5	672.8	755.6	825.7	881.7	894.9	887.6	860.6
80°	425.6	478.9	539.6	605.1	677.5	759.3	824.9	883.1	906.1	906.9	876.7
82.5°	426.4	482.2	545.2	609.0	681.2	761.5	822.5	884.0	919.6	927.7	893.1
85°	427.2	483.0	546.9	613.6	685.7	764.6	820.5	886.5	934.5	949.4	910.1
87.5°	428.0	483.8	548.7	615.3	686.3	762.6	814.3	884.1	950.4	971.7	927.4
90°	428.8	484.6	550.4	617.0	687.0	760.6	808.0	881.6	964.3	993.4	946.7
92.5°	428.0	483.8	548.7	615.3	686.3	762.6	814.3	884.1	950.4	971.7	927.4
95°	427.2	483.0	546.9	613.6	685.7	764.6	820.5	886.5	934.5	949.4	910.1
97.5°	426.4	482.2	545.2	609.0	681.2	761.5	822.5	884.0	919.6	927.7	893.1
100°	425.6	478.9	539.6	605.1	677.5	759.3	824.9	883.1	906.1	906.9	876.7
102.5°	422.6	476.7	535.8	600.5	672.8	755.6	825.7	881.7	894.9	887.6	860.6
105°	420.7	474.2	531.7	595.2	667.1	750.5	824.8	880.1	886.9	870.3	844.7
107.5°	418.4	471.3	527.1	589.4	660.5	743.7	822.0	878.5	883.2	855.4	828.8
110°	415.9	468.2	522.3	582.9	652.8	735.2	817.1	877.0	884.5	843.3	810.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	412.6	463.5	514.5	570.5	634.2	707.7	781.6	835.0	845.6	798.6	767.4
115°	396.9	442.9	487.9	536.2	590.3	651.9	717.1	768.8	791.5	751.2	724.0
117.5°	381.4	422.5	461.9	502.7	547.6	597.9	654.1	701.3	723.2	702.4	678.2
120°	365.9	402.4	436.5	470.3	506.5	546.0	592.5	632.1	655.0	650.1	629.5
122.5°	350.7	382.7	411.8	439.1	467.1	497.9	533.4	565.4	587.6	593.8	577.8
125°	335.7	363.5	388.0	409.3	430.4	452.8	477.7	501.7	521.1	530.5	523.5
127.5°	321.0	344.8	365.1	381.2	396.0	410.5	425.6	441.2	455.0	462.7	463.8
130°	306.6	326.7	343.3	354.6	363.6	371.3	377.7	385.2	391.9	396.2	398.4
132.5°	292.5	309.3	322.3	329.4	333.7	335.2	335.0	334.5	337.7	348.0	360.4
135°	278.4	291.9	301.2	306.2	308.7	309.3	310.2	312.6	317.1	326.6	337.9
137.5°	255.1	268.7	277.7	283.9	287.8	289.3	290.8	292.4	297.5	304.8	314.9
140°	231.7	244.9	254.1	261.3	265.8	268.6	270.7	272.9	276.8	282.6	291.9
142.5°	208.2	220.8	230.3	238.1	243.1	247.1	249.8	252.5	255.5	261.0	267.7
145°	184.7	196.6	206.3	213.9	219.8	225.2	228.2	231.2	234.3	238.1	244.5
147.5°	161.1	172.3	182.3	189.5	195.8	201.2	205.6	209.1	212.4	215.6	220.3
150°	137.4	147.9	158.2	164.9	171.7	176.8	182.0	186.0	189.5	192.9	196.2
152.5°	114.1	123.5	132.9	140.1	146.1	151.6	157.0	161.8	165.6	169.1	172.4
155°	90.9	98.9	107.5	115.2	120.7	125.8	131.0	136.0	140.5	144.3	150.7
157.5°	68.3	75.3	84.1	92.7	99.7	106.1	112.4	119.3	126.0	132.4	138.6
160°	61.3	66.7	74.4	82.0	89.4	95.4	101.5	107.4	113.4	119.3	125.0
162.5°	54.1	58.8	64.8	71.4	77.9	84.0	89.6	95.1	100.5	105.8	110.8
165°	46.9	51.0	55.2	60.8	66.3	71.7	76.9	81.9	86.8	91.5	96.8
167.5°	39.6	43.0	46.5	50.3	54.8	59.3	63.6	67.8	72.0	76.1	80.2
170°	32.2	35.0	37.8	40.6	43.4	46.9	50.4	53.7	56.9	60.1	63.2
172.5°	24.8	26.9	29.1	31.2	33.2	35.2	37.2	39.7	42.1	44.4	46.7
175°	17.3	18.7	20.2	21.6	23.0	24.3	25.7	26.9	28.1	29.3	30.5
177.5°	9.7	10.5	11.2	11.9	12.6	13.3	14.0	14.6	15.2	15.8	16.4
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	17.0	17.5	18.0	18.4	18.8	19.2	19.6	19.9	20.2	20.5	20.7
5°	31.8	33.2	34.5	35.7	36.8	37.9	38.8	39.7	40.6	41.3	41.9
7.5°	48.8	50.8	52.7	54.6	56.4	58.4	60.3	62.1	63.8	65.3	66.8
10°	66.3	69.4	72.5	75.4	78.2	80.9	83.5	85.7	87.5	89.2	90.7
12.5°	84.1	88.0	91.6	94.8	97.7	100.6	103.2	105.7	108.0	110.7	113.5
15°	100.5	104.6	108.5	112.2	115.9	120.2	124.3	128.3	132.2	135.9	139.3
17.5°	115.7	121.0	125.5	130.7	135.7	140.6	145.1	149.2	153.1	156.9	160.5
20°	130.8	136.5	142.3	147.8	152.9	157.9	162.7	167.6	172.4	176.8	180.8
22.5°	144.8	150.9	156.7	162.5	168.3	174.7	181.0	186.8	191.9	195.8	199.0
25°	157.1	163.4	170.5	177.8	185.7	193.1	200.1	206.2	211.3	215.8	220.2
27.5°	175.6	179.6	185.7	195.0	204.8	213.9	222.9	229.6	236.3	241.9	246.5
30°	201.0	207.1	213.6	221.8	229.7	238.8	248.7	257.3	264.3	270.2	275.7
32.5°	226.6	234.0	242.9	251.8	261.3	270.4	278.5	286.0	293.8	301.1	307.8
35°	251.9	261.4	271.2	281.7	291.8	301.2	309.8	317.9	325.4	334.1	344.1
37.5°	277.6	287.9	299.3	310.5	321.3	331.4	340.8	350.2	360.5	371.4	383.3
40°	302.2	314.4	326.6	338.9	350.3	360.9	372.6	384.5	398.1	413.3	430.3
42.5°	327.1	340.0	353.7	366.4	378.3	391.7	405.1	421.4	439.6	461.6	485.3
45°	350.9	365.8	380.0	393.0	407.5	422.4	440.0	459.4	485.5	513.4	545.2
47.5°	375.2	391.2	405.1	420.2	436.4	454.4	475.2	502.7	534.2	568.7	613.1
50°	401.6	414.9	430.0	447.4	465.4	485.6	513.9	547.2	585.6	635.5	688.2
52.5°	462.0	462.0	466.3	473.7	493.2	520.1	553.2	592.9	646.8	705.1	767.4
55°	517.3	514.9	517.9	521.2	534.2	555.4	591.9	647.6	709.4	775.9	855.9
57.5°	568.5	564.1	562.8	565.7	581.1	607.5	648.5	703.4	772.1	853.6	942.3
60°	616.3	609.2	603.6	609.6	627.5	657.2	708.0	769.5	842.4	926.1	1021.2
62.5°	661.8	650.0	641.3	648.9	670.7	710.2	764.5	830.5	913.3	1002.8	1105.4
65°	704.2	687.1	679.7	688.3	712.0	756.1	815.6	891.8	980.1	1080.1	1200.6
67.5°	743.7	720.9	714.6	725.4	754.1	800.8	863.7	945.1	1041.5	1163.2	1298.2
70°	780.6	752.8	746.2	759.0	790.5	840.3	909.7	997.9	1107.3	1239.7	1384.4
72.5°	801.6	781.0	777.9	791.6	822.4	876.2	948.5	1044.4	1171.4	1304.5	1437.6
75°	818.1	803.4	805.4	823.3	857.7	911.4	986.8	1088.4	1227.6	1353.0	1484.3
77.5°	836.1	826.5	832.4	853.1	890.7	947.7	1026.9	1136.2	1267.5	1391.6	1519.6
80°	855.6	850.2	858.9	881.3	920.8	979.3	1060.1	1173.0	1299.4	1428.2	1559.3
82.5°	876.2	874.2	884.9	907.9	948.2	1006.5	1086.9	1199.4	1324.2	1457.2	1591.1
85°	897.7	898.5	910.5	933.2	973.3	1029.8	1107.8	1216.7	1341.7	1478.3	1614.3
87.5°	919.8	923.0	935.7	957.8	997.1	1050.9	1125.6	1228.7	1355.5	1495.3	1633.4
90°	942.4	947.4	960.1	980.6	1017.4	1066.9	1135.6	1229.0	1354.9	1495.0	1633.7
92.5°	919.8	923.0	935.7	957.8	997.1	1050.9	1125.6	1228.7	1355.5	1495.3	1633.4
95°	897.7	898.5	910.5	933.2	973.3	1029.8	1107.8	1216.7	1341.7	1478.3	1614.3
97.5°	876.2	874.2	884.9	907.9	948.2	1006.5	1086.9	1199.4	1324.2	1457.2	1591.1
100°	855.6	850.2	858.9	881.3	920.8	979.3	1060.1	1173.0	1299.4	1428.2	1559.3
102.5°	836.1	826.5	832.4	853.1	890.7	947.7	1026.9	1136.2	1267.5	1391.6	1519.6
105°	818.1	803.4	805.4	823.3	857.7	911.4	986.8	1088.4	1227.6	1353.0	1484.3
107.5°	801.6	781.0	777.9	791.6	822.4	876.2	948.5	1044.4	1171.4	1304.5	1437.6
110°	780.6	752.8	746.2	759.0	790.5	840.3	909.7	997.9	1107.3	1239.7	1384.4



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-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°	743.7	720.9	714.6	725.4	754.1	800.8	863.7	945.1	1041.5	1163.2	1298.2
115°	704.2	687.1	679.7	688.3	712.0	756.1	815.6	891.8	980.1	1080.1	1200.6
117.5°	661.8	650.0	641.3	648.9	670.7	710.2	764.5	830.5	913.3	1002.8	1105.4
120°	616.3	609.2	603.6	609.6	627.5	657.2	708.0	769.5	842.4	926.1	1021.2
122.5°	568.5	564.1	562.8	565.7	581.1	607.5	648.5	703.4	772.1	853.6	942.3
125°	517.3	514.9	517.9	521.2	534.2	555.4	591.9	647.6	709.4	775.9	855.9
127.5°	462.0	462.0	466.3	473.7	493.2	520.1	553.2	592.9	646.8	705.1	767.4
130°	401.6	414.9	430.0	447.4	465.4	485.6	513.9	547.2	585.6	635.5	688.2
132.5°	375.2	391.2	405.1	420.2	436.4	454.4	475.2	502.7	534.2	568.7	613.1
135°	350.9	365.8	380.0	393.0	407.5	422.4	440.0	459.4	485.5	513.4	545.2
137.5°	327.1	340.0	353.7	366.4	378.3	391.7	405.1	421.4	439.6	461.6	485.3
140°	302.2	314.4	326.6	338.9	350.3	360.9	372.6	384.5	398.1	413.3	430.3
142.5°	277.6	287.9	299.3	310.5	321.3	331.4	340.8	350.2	360.5	371.4	383.3
145°	251.9	261.4	271.2	281.7	291.8	301.2	309.8	317.9	325.4	334.1	344.1
147.5°	226.6	234.0	242.9	251.8	261.3	270.4	278.5	286.0	293.8	301.1	307.8
150°	201.0	207.1	213.6	221.8	229.7	238.8	248.7	257.3	264.3	270.2	275.7
152.5°	175.6	179.6	185.7	195.0	204.8	213.9	222.9	229.6	236.3	241.9	246.5
155°	157.1	163.4	170.5	177.8	185.7	193.1	200.1	206.2	211.3	215.8	220.2
157.5°	144.8	150.9	156.7	162.5	168.3	174.7	181.0	186.8	191.9	195.8	199.0
160°	130.8	136.5	142.3	147.8	152.9	157.9	162.7	167.6	172.4	176.8	180.8
162.5°	115.7	121.0	125.5	130.7	135.7	140.6	145.1	149.2	153.1	156.9	160.5
165°	100.5	104.6	108.5	112.2	115.9	120.2	124.3	128.3	132.2	135.9	139.3
167.5°	84.1	88.0	91.6	94.8	97.7	100.6	103.2	105.7	108.0	110.7	113.5
170°	66.3	69.4	72.5	75.4	78.2	80.9	83.5	85.7	87.5	89.2	90.7
172.5°	48.8	50.8	52.7	54.6	56.4	58.4	60.3	62.1	63.8	65.3	66.8
175°	31.8	33.2	34.5	35.7	36.8	37.9	38.8	39.7	40.6	41.3	41.9
177.5°	17.0	17.5	18.0	18.4	18.8	19.2	19.6	19.9	20.2	20.5	20.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	20.9	21.1	21.2	21.3	21.4	21.4	22.0	21.7	21.5	21.3	21.0
5°	42.5	43.0	43.4	43.7	43.9	44.0	44.1	44.0	44.6	44.1	43.5
7.5°	68.1	69.2	70.3	71.2	71.9	72.5	72.9	73.2	73.3	74.1	73.4
10°	92.1	93.3	94.4	95.3	96.0	96.6	96.9	97.1	97.2	97.8	97.0
12.5°	116.2	118.6	120.8	122.8	124.6	126.2	127.5	128.6	129.3	129.8	130.7
15°	142.1	144.7	147.0	149.2	151.1	152.8	154.3	155.5	156.4	157.0	158.0
17.5°	163.9	166.8	169.4	171.7	173.6	175.2	176.5	177.5	178.1	178.4	179.0
20°	184.5	187.2	188.6	189.5	189.8	189.7	189.1	188.2	186.9	185.4	183.8
22.5°	201.3	202.8	204.4	205.7	206.2	206.2	205.5	204.3	202.6	200.4	198.3
25°	223.6	226.1	227.7	228.9	229.3	229.1	228.1	226.5	224.3	221.5	218.1
27.5°	250.1	252.8	254.6	256.4	258.4	259.6	260.1	259.8	258.7	256.8	254.1
30°	280.2	284.8	288.7	291.9	297.5	302.5	306.7	310.0	312.3	313.5	313.4
32.5°	314.6	323.1	331.3	339.1	347.5	355.7	362.8	368.7	373.2	376.2	377.7
35°	354.2	366.6	379.2	391.1	402.9	417.2	430.0	441.2	450.5	457.7	462.8
37.5°	398.8	415.1	435.4	454.7	473.0	492.1	509.8	525.3	538.5	549.1	557.1
40°	451.4	474.4	500.3	526.1	550.3	576.4	603.8	628.4	649.9	668.0	682.2
42.5°	512.6	540.3	572.1	610.0	646.3	681.1	715.3	745.8	772.2	794.4	811.9
45°	579.1	620.4	659.6	705.4	750.3	796.7	838.3	879.3	913.5	940.8	961.3
47.5°	659.6	709.2	758.5	813.1	877.1	934.6	988.2	1037.0	1078.2	1111.5	1136.6
50°	745.4	805.5	878.2	949.4	1024.2	1092.1	1156.9	1223.4	1280.9	1328.8	1366.1
52.5°	840.6	920.1	1003.9	1088.6	1183.5	1277.7	1360.2	1427.7	1491.0	1548.2	1597.4
55°	941.1	1032.1	1130.8	1242.9	1350.5	1443.0	1526.6	1602.3	1670.9	1732.4	1785.4
57.5°	1036.6	1146.9	1267.2	1384.2	1497.8	1583.6	1668.7	1746.3	1813.8	1876.7	1933.5
60°	1134.9	1261.3	1394.3	1511.9	1615.6	1703.0	1778.1	1852.7	1921.9	1984.8	2040.8
62.5°	1228.9	1378.1	1506.1	1621.1	1708.9	1792.8	1868.2	1939.3	2011.0	2076.3	2133.9
65°	1342.3	1475.6	1597.8	1692.9	1783.4	1868.7	1947.5	2022.3	2093.7	2159.8	2216.9
67.5°	1436.9	1562.7	1658.2	1754.0	1847.4	1934.2	2018.1	2097.6	2171.6	2238.3	2294.9
70°	1509.1	1621.4	1719.8	1810.6	1899.4	1991.2	2080.1	2163.3	2242.9	2309.8	2360.4
72.5°	1564.0	1675.1	1773.5	1861.1	1949.2	2038.5	2129.5	2215.6	2301.6	2381.8	2427.2
75°	1608.7	1717.5	1812.3	1902.6	1995.4	2081.9	2163.9	2256.0	2350.3	2434.8	2483.0
77.5°	1645.9	1752.4	1840.1	1936.3	2030.1	2117.7	2201.2	2286.1	2380.8	2463.1	2520.6
80°	1676.0	1772.4	1860.9	1959.7	2055.4	2146.7	2233.9	2322.0	2403.4	2484.8	2541.7
82.5°	1697.8	1790.1	1884.0	1979.2	2071.2	2161.5	2257.3	2352.0	2438.2	2514.8	2554.9
85°	1708.9	1801.7	1898.2	1992.1	2087.9	2181.4	2275.2	2369.5	2463.3	2529.6	2544.9
87.5°	1713.7	1806.4	1902.9	1994.1	2096.1	2192.6	2281.7	2376.0	2472.0	2546.1	2572.8
90°	1705.1	1803.5	1898.3	1986.0	2093.5	2191.2	2271.1	2363.8	2455.8	2551.3	2585.3
92.5°	1713.7	1806.4	1902.9	1994.1	2096.1	2192.6	2281.7	2376.0	2472.0	2546.1	2572.8
95°	1708.9	1801.7	1898.2	1992.1	2087.9	2181.4	2275.2	2369.5	2463.3	2529.6	2544.9
97.5°	1697.8	1790.1	1884.0	1979.2	2071.2	2161.5	2257.3	2352.0	2438.2	2514.8	2554.9
100°	1676.0	1772.4	1860.9	1959.7	2055.4	2146.7	2233.9	2322.0	2403.4	2484.8	2541.7
102.5°	1645.9	1752.4	1840.1	1936.3	2030.1	2117.7	2201.2	2286.1	2380.8	2463.1	2520.6
105°	1608.7	1717.5	1812.3	1902.6	1995.4	2081.9	2163.9	2256.0	2350.3	2434.8	2483.0
107.5°	1564.0	1675.1	1773.5	1861.1	1949.2	2038.5	2129.5	2215.6	2301.6	2381.8	2427.2
110°	1509.1	1621.4	1719.8	1810.6	1899.4	1991.2	2080.1	2163.3	2242.9	2309.8	2360.4



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1436.9	1562.7	1658.2	1754.0	1847.4	1934.2	2018.1	2097.6	2171.6	2238.3	2294.9
115°	1342.3	1475.6	1597.8	1692.9	1783.4	1868.7	1947.5	2022.3	2093.7	2159.8	2216.9
117.5°	1228.9	1378.1	1506.1	1621.1	1708.9	1792.8	1868.2	1939.3	2011.0	2076.3	2133.9
120°	1134.9	1261.3	1394.3	1511.9	1615.6	1703.0	1778.1	1852.7	1921.9	1984.8	2040.8
122.5°	1036.6	1146.9	1267.2	1384.2	1497.8	1583.6	1668.7	1746.3	1813.8	1876.7	1933.5
125°	941.1	1032.1	1130.8	1242.8	1350.5	1443.0	1526.6	1602.3	1670.9	1732.4	1785.4
127.5°	840.6	920.1	1003.9	1088.6	1183.5	1277.7	1360.2	1427.7	1491.0	1548.2	1597.4
130°	745.4	805.5	878.2	949.4	1024.2	1092.1	1156.9	1223.4	1280.9	1328.8	1366.1
132.5°	659.6	709.2	758.5	813.1	877.1	934.6	988.2	1037.0	1078.2	1111.5	1136.6
135°	579.1	620.4	659.6	705.4	750.3	796.7	838.3	879.3	913.5	940.8	961.3
137.5°	512.6	540.3	572.1	610.0	646.3	681.1	715.3	745.8	772.2	794.4	811.9
140°	451.4	474.4	500.3	526.1	550.3	576.4	603.8	628.4	649.9	668.0	682.2
142.5°	398.8	415.1	435.4	454.7	473.0	492.1	509.8	525.3	538.5	549.1	557.1
145°	354.2	366.6	379.2	391.1	402.9	417.2	430.0	441.2	450.5	457.7	462.8
147.5°	314.6	323.1	331.3	339.1	347.5	355.7	362.8	368.7	373.2	376.2	377.7
150°	280.2	284.8	288.7	291.9	297.5	302.5	306.7	310.0	312.3	313.5	313.4
152.5°	250.1	252.8	254.6	256.4	258.4	259.6	260.1	259.8	258.7	256.8	254.1
155°	223.6	226.1	227.7	228.9	229.3	229.1	228.1	226.5	224.3	221.5	218.1
157.5°	201.3	202.8	204.4	205.7	206.2	206.2	205.5	204.3	202.6	200.4	198.3
160°	184.5	187.2	188.6	189.5	189.8	189.7	189.1	188.2	186.9	185.4	183.8
162.5°	163.9	166.8	169.4	171.7	173.6	175.2	176.5	177.5	178.1	178.4	179.0
165°	142.1	144.7	147.0	149.2	151.1	152.8	154.3	155.5	156.4	157.0	158.0
167.5°	116.2	118.6	120.8	122.8	124.6	126.2	127.5	128.6	129.3	129.8	130.7
170°	92.1	93.3	94.4	95.3	96.0	96.6	96.9	97.1	97.2	97.8	97.0
172.5°	68.1	69.2	70.3	71.2	71.9	72.5	72.9	73.2	73.3	74.1	73.4
175°	42.5	43.0	43.4	43.7	43.9	44.0	44.1	44.0	44.6	44.1	43.5
177.5°	20.9	21.1	21.2	21.3	21.4	21.4	22.0	21.7	21.5	21.3	21.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232005

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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2.1	2.1
2.5°	20.8	20.5
5°	43.0	42.5
7.5°	72.8	72.2
10°	96.3	95.5
12.5°	130.1	129.5
15°	157.5	157.1
17.5°	178.3	177.6
20°	181.7	179.7
22.5°	195.0	191.7
25°	214.5	210.1
27.5°	250.9	246.2
30°	312.8	309.2
32.5°	378.5	375.7
35°	466.8	465.5
37.5°	563.7	563.9
40°	694.6	697.6
42.5°	827.2	832.0
45°	978.3	982.0
47.5°	1157.7	1161.7
50°	1398.2	1405.8
52.5°	1643.3	1662.7
55°	1834.7	1860.8
57.5°	1987.9	2022.1
60°	2093.6	2130.3
62.5°	2183.5	2225.1
65°	2265.1	2305.1
67.5°	2341.7	2379.4
70°	2399.2	2428.9
72.5°	2454.9	2469.9
75°	2500.1	2507.4
77.5°	2531.6	2535.7
80°	2557.3	2551.3
82.5°	2578.3	2575.4
85°	2585.3	2617.1
87.5°	2567.6	2610.7
90°	2573.2	2571.1
92.5°	2567.6	2610.7
95°	2585.3	2617.1
97.5°	2578.3	2575.4
100°	2557.3	2551.3
102.5°	2531.6	2535.7
105°	2500.1	2507.4
107.5°	2454.9	2469.9
110°	2399.2	2428.9



TEST NUMBER: P232005

CATALOG NUMBER: FVS4WM-4-LD4-35-2LO-PA187-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2341.7	2379.4
115°	2265.1	2305.1
117.5°	2183.5	2225.1
120°	2093.6	2130.3
122.5°	1987.9	2022.1
125°	1834.7	1860.8
127.5°	1643.3	1662.7
130°	1398.2	1405.8
132.5°	1157.7	1161.7
135°	978.3	982.0
137.5°	827.2	832.0
140°	694.6	697.6
142.5°	563.7	563.9
145°	466.8	465.5
147.5°	378.5	375.7
150°	312.8	309.2
152.5°	250.9	246.2
155°	214.5	210.1
157.5°	195.0	191.7
160°	181.7	179.7
162.5°	178.3	177.6
165°	157.5	157.1
167.5°	130.1	129.5
170°	96.3	95.5
172.5°	72.8	72.2
175°	43.0	42.5
177.5°	20.8	20.5
180°	2.0	2.0

(END OF REPORT)