

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: P231979

Luminaire Tested: **FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P231979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-15)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
4FT LENGTH, 1-MODULE LED WITH PA187 LENS  
Light Source: (84) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

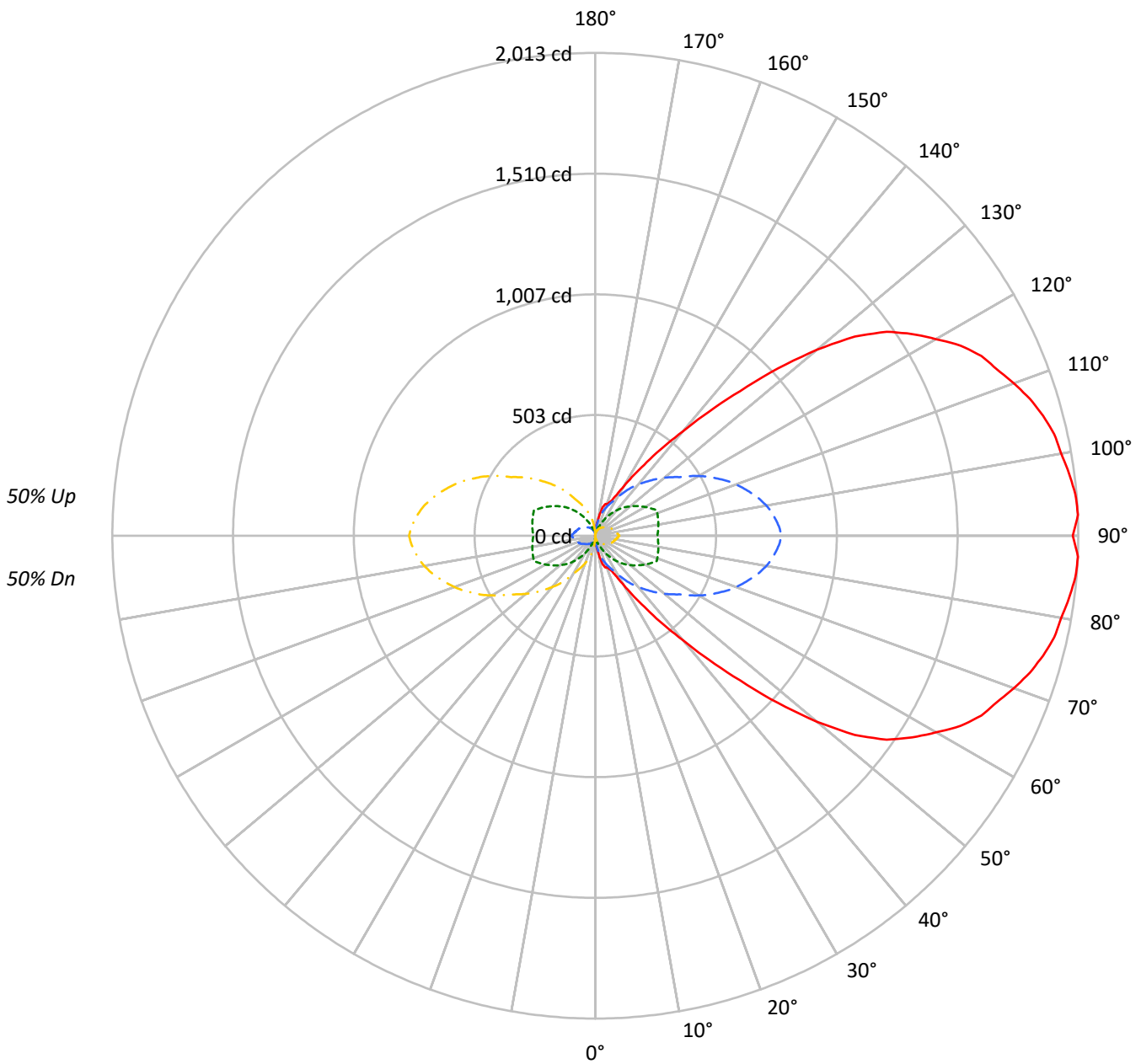
Lumens per Lamp: N/A  
Luminaire Lumens: 4693.7 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Spacing Criteria (0/90/45): 24.33 / 15.53 / 16.45  
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 44.5  
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	83	77	71	83	76	70	65	63	58	54	50	47	43	39	36	33	28
2	80	69	60	53	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	59	49	41	64	53	44	37	43	36	30	33	28	23	24	20	17	12
4	64	50	40	33	58	46	37	30	37	30	24	28	23	18	21	16	13	9
5	58	44	34	27	53	40	31	24	32	25	19	25	19	15	18	14	10	6
6	53	39	29	22	48	35	27	20	28	21	16	22	16	12	16	12	8	5
7	49	35	25	19	44	31	23	17	25	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	28	20	15	23	16	12	18	12	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	14	10	16	11	7	12	8	5	2
10	39	26	18	12	35	23	16	11	19	13	9	15	10	6	11	7	4	2

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	17	17	17	17
5°	419	152	0	152
10°	867	288	0	288
15°	1359	429	0	429
20°	1399	577	0	577
25°	1516	888	0	888
30°	2117	1382	0	1382
35°	3189	1931	9	1931
40°	4680	2553	9	2553
45°	6845	3278	9	3278
50°	9510	4084	9	4084
55°	11577	5080	9	5080
60°	12773	6354	9	6354
65°	13900	8053	9	8053
70°	14730	9919	9	9919
75°	15651	12110	9	12110
80°	16450	15841	0	15841
85°	17398	23481	0	23481



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.0	0.0
10°-20°	15.0	0.3
20°-30°	39.8	0.8
30°-40°	92.4	2.0
40°-50°	185.0	3.9
50°-60°	329.9	7.0
60°-70°	476.4	10.2
70°-80°	577.4	12.3
80°-90°	628.9	13.4
90°-100°	628.9	13.4
100°-110°	577.4	12.3
110°-120°	476.4	10.2
120°-130°	329.9	7.0
130°-140°	185.0	3.9
140°-150°	92.4	2.0
150°-160°	39.8	0.8
160°-170°	15.0	0.3
170°-180°	2.0	0.0
0°-30°	56.8	1.2
0°-40°	149.2	3.2
0°-60°	664.1	14.1
0°-90°	2346.9	50.0
90°-120°	1682.8	35.9
90°-150°	2290.0	48.8
90°-180°	2347.0	50.0
0°-180°	4693.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	32	10	0	10	32	4
15°	125	28	0	28	125	34
25°	161	55	0	55	161	81
35°	374	110	1	110	374	246
45°	852	166	1	166	852	679
55°	1482	215	1	215	1482	1312
65°	1775	264	1	264	1775	1751
75°	1932	271	1	271	1932	2038
85°	2008	262	0	262	2008	1632
90°	1990	258	0	258	1990	1097
95°	2008	262	0	262	2008	1632
105°	1932	271	1	271	1932	2038
115°	1775	264	1	264	1775	1751
125°	1482	215	1	215	1482	1312
135°	852	166	1	166	852	679
145°	374	110	1	110	374	246
155°	161	55	0	55	161	81
165°	125	28	0	28	125	34
175°	32	10	0	10	32	4
180°	1	1	1	1	1	



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	14.2	14.4	14.6	14.8	15.0	15.1	15.3	14.9	14.9	14.9	14.8
5°	31.6	32.0	32.3	32.7	33.1	32.6	32.6	32.6	32.4	32.2	31.9
7.5°	55.6	56.0	56.5	56.9	56.2	56.1	55.8	55.3	54.8	54.1	53.3
10°	73.0	73.6	74.1	74.7	74.2	74.1	73.9	73.6	73.2	72.6	71.9
12.5°	100.3	100.7	101.1	100.3	99.8	99.1	98.1	97.0	95.7	94.1	92.5
15°	125.4	125.6	125.7	124.6	123.8	122.8	121.5	120.0	118.2	116.3	114.2
17.5°	139.5	139.9	140.3	139.8	139.5	139.0	138.2	137.2	135.9	134.3	132.5
20°	139.5	141.0	142.5	143.8	145.0	145.9	146.7	147.1	147.2	147.0	146.3
22.5°	149.3	151.9	154.4	155.9	157.6	158.8	159.6	160.0	159.9	159.2	158.0
25°	161.3	165.1	168.3	171.3	173.8	175.9	177.4	178.3	178.5	178.1	177.0
27.5°	192.9	196.9	199.4	201.6	203.1	204.0	204.1	203.7	202.6	200.9	199.4
30°	237.6	241.1	242.4	243.3	243.2	242.3	240.5	238.1	234.9	231.1	228.4
32.5°	300.9	303.1	302.0	300.3	297.2	292.9	287.5	281.1	274.0	267.4	262.0
35°	373.9	374.5	370.9	366.4	360.3	352.7	343.7	333.6	322.5	312.4	302.1
37.5°	465.5	463.7	456.2	447.6	436.7	423.8	409.2	393.1	376.4	362.2	347.4
40°	567.9	563.8	552.6	540.0	524.5	506.4	485.9	463.4	441.0	419.5	397.4
42.5°	700.9	693.4	675.7	656.3	632.8	605.9	575.9	543.2	514.1	484.8	454.3
45°	852.5	841.2	817.4	791.1	759.8	724.0	684.2	645.8	601.8	560.4	519.7
47.5°	1032.3	1015.7	982.9	947.3	905.6	858.5	806.8	754.1	702.1	648.1	601.2
50°	1205.7	1188.3	1152.8	1113.1	1064.8	1008.3	943.8	878.5	812.7	749.4	692.1
52.5°	1363.7	1353.8	1324.0	1287.3	1238.0	1175.2	1098.5	1020.9	939.2	860.7	789.7
55°	1482.5	1481.3	1463.0	1438.0	1401.1	1351.3	1284.8	1190.2	1082.8	986.2	893.4
57.5°	1565.4	1567.9	1558.0	1544.0	1522.6	1493.4	1443.1	1345.5	1246.0	1120.5	1005.4
60°	1639.5	1641.4	1632.4	1621.0	1605.0	1584.7	1536.7	1459.2	1360.0	1243.4	1121.7
62.5°	1716.9	1712.4	1702.4	1687.9	1669.9	1649.3	1606.0	1541.0	1450.3	1343.6	1218.1
65°	1774.7	1767.5	1755.9	1741.0	1723.7	1706.5	1675.1	1625.3	1537.9	1426.4	1299.7
67.5°	1811.8	1810.1	1802.8	1788.5	1766.7	1751.5	1735.9	1701.2	1636.2	1521.4	1381.3
70°	1856.5	1851.4	1842.2	1830.4	1817.6	1796.7	1775.3	1754.8	1716.9	1619.3	1468.6
72.5°	1899.0	1892.3	1880.4	1864.0	1848.0	1830.4	1810.9	1789.0	1756.4	1674.0	1540.5
75°	1931.7	1924.2	1912.0	1894.7	1874.1	1854.6	1835.4	1817.0	1790.8	1717.4	1588.7
77.5°	1958.9	1951.3	1938.4	1915.4	1891.8	1870.2	1858.5	1843.1	1817.8	1762.3	1634.2
80°	1972.0	1973.2	1960.1	1929.7	1902.6	1888.6	1873.3	1867.2	1845.0	1804.3	1673.1
82.5°	1991.6	1988.5	1970.5	1946.1	1925.0	1908.9	1888.0	1877.8	1861.9	1819.3	1710.2
85°	2008.0	1989.6	1964.1	1959.2	1944.6	1927.7	1901.7	1882.5	1869.2	1829.0	1735.9
87.5°	2013.4	1980.7	1982.8	1967.3	1943.3	1930.5	1906.8	1887.6	1874.3	1836.0	1747.8
90°	1989.5	1981.8	1982.9	1960.0	1929.5	1927.3	1906.6	1892.4	1876.1	1836.8	1743.1
92.5°	2013.4	1980.7	1982.8	1967.3	1943.3	1930.5	1906.8	1887.6	1874.3	1836.0	1747.8
95°	2008.0	1989.6	1964.1	1959.2	1944.6	1927.7	1901.7	1882.5	1869.2	1829.0	1735.9
97.5°	1991.6	1988.5	1970.5	1946.1	1925.0	1908.9	1888.0	1877.8	1861.9	1819.3	1710.2
100°	1972.0	1973.2	1960.1	1929.7	1902.6	1888.6	1873.3	1867.2	1845.0	1804.3	1673.1
102.5°	1958.9	1951.3	1938.4	1915.4	1891.8	1870.2	1858.5	1843.1	1817.8	1762.3	1634.2
105°	1931.7	1924.2	1912.0	1894.7	1874.1	1854.6	1835.4	1817.0	1790.8	1717.4	1588.7
107.5°	1899.0	1892.3	1880.4	1864.0	1848.0	1830.4	1810.9	1789.0	1756.4	1674.0	1540.5
110°	1856.5	1851.4	1842.2	1830.4	1817.6	1796.7	1775.3	1754.8	1716.9	1619.3	1468.6



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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°	1811.8	1810.1	1802.8	1788.5	1766.7	1751.5	1735.9	1701.2	1636.2	1521.4	1381.3
115°	1774.7	1767.5	1755.9	1741.0	1723.7	1706.5	1675.1	1625.3	1537.9	1426.4	1299.7
117.5°	1716.9	1712.4	1702.4	1687.9	1669.9	1649.3	1606.0	1541.0	1450.3	1343.6	1218.1
120°	1639.5	1641.4	1632.4	1621.0	1605.0	1584.7	1536.7	1459.2	1360.0	1243.4	1121.7
122.5°	1565.4	1567.9	1558.0	1544.0	1522.6	1493.4	1443.1	1345.5	1246.0	1120.5	1005.4
125°	1482.5	1481.3	1463.0	1438.0	1401.1	1351.3	1284.8	1190.2	1082.8	986.2	893.4
127.5°	1363.7	1353.8	1324.0	1287.3	1238.0	1175.2	1098.5	1020.9	939.2	860.7	789.7
130°	1205.7	1188.3	1152.8	1113.1	1064.8	1008.3	943.8	878.5	812.7	749.4	692.1
132.5°	1032.3	1015.7	982.9	947.3	905.6	858.5	806.8	754.1	702.1	648.1	601.2
135°	852.5	841.2	817.4	791.1	759.8	724.0	684.2	645.8	601.8	560.4	519.7
137.5°	700.9	693.4	675.7	656.3	632.8	605.9	575.9	543.2	514.1	484.8	454.3
140°	567.9	563.8	552.6	540.0	524.5	506.4	485.9	463.4	441.0	419.5	397.4
142.5°	465.5	463.7	456.2	447.6	436.7	423.8	409.2	393.1	376.4	362.2	347.4
145°	373.9	374.5	370.9	366.4	360.3	352.7	343.7	333.6	322.5	312.4	302.1
147.5°	300.9	303.1	302.0	300.3	297.2	292.9	287.5	281.1	274.0	267.4	262.0
150°	237.6	241.1	242.4	243.3	243.2	242.3	240.5	238.1	234.9	231.1	228.4
152.5°	192.9	196.9	199.4	201.6	203.1	204.0	204.1	203.7	202.6	200.9	199.4
155°	161.3	165.1	168.3	171.3	173.8	175.9	177.4	178.3	178.5	178.1	177.0
157.5°	149.3	151.9	154.4	155.9	157.6	158.8	159.6	160.0	159.9	159.2	158.0
160°	139.5	141.0	142.5	143.8	145.0	145.9	146.7	147.1	147.2	147.0	146.3
162.5°	139.5	139.9	140.3	139.8	139.5	139.0	138.2	137.2	135.9	134.3	132.5
165°	125.4	125.6	125.7	124.6	123.8	122.8	121.5	120.0	118.2	116.3	114.2
167.5°	100.3	100.7	101.1	100.3	99.8	99.1	98.1	97.0	95.7	94.1	92.5
170°	73.0	73.6	74.1	74.7	74.2	74.1	73.9	73.6	73.2	72.6	71.9
172.5°	55.6	56.0	56.5	56.9	56.2	56.1	55.8	55.3	54.8	54.1	53.3
175°	31.6	32.0	32.3	32.7	33.1	32.6	32.6	32.6	32.4	32.2	31.9
177.5°	14.2	14.4	14.6	14.8	15.0	15.1	15.3	14.9	14.9	14.9	14.8
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	14.7	14.6	14.5	14.3	14.2	14.0	13.7	13.5	13.2	12.9	12.6
5°	31.6	31.2	30.7	30.2	29.6	29.0	28.3	27.5	26.7	25.8	24.8
7.5°	52.4	51.4	50.3	49.1	47.8	46.3	44.8	43.2	41.5	40.1	38.7
10°	71.0	70.1	69.0	67.8	66.5	65.0	63.2	61.1	58.8	56.5	54.0
12.5°	90.6	88.6	86.4	84.1	81.9	80.1	78.2	76.1	73.9	71.6	69.1
15°	111.9	109.4	106.8	103.9	100.9	97.7	94.5	91.1	87.7	84.8	81.8
17.5°	130.5	128.2	125.1	121.8	118.3	114.7	110.9	107.1	103.1	99.0	94.9
20°	145.3	143.1	140.3	137.2	133.7	129.9	125.7	121.3	116.9	112.4	107.8
22.5°	156.6	155.4	153.6	151.2	148.1	144.1	139.5	134.6	129.5	124.3	119.3
25°	175.5	173.2	170.2	166.4	162.7	158.7	153.9	148.4	142.5	136.2	130.3
27.5°	197.8	195.4	192.0	187.8	182.9	177.2	171.4	164.3	157.0	149.2	141.8
30°	225.0	221.1	217.3	212.2	206.6	199.8	192.5	184.0	175.8	168.6	161.1
32.5°	256.2	249.9	244.4	238.8	232.7	225.5	217.1	208.2	199.4	190.2	181.9
35°	291.5	281.5	274.0	266.2	258.5	250.7	242.4	232.7	222.5	212.5	202.5
37.5°	332.1	318.9	306.3	295.4	285.2	275.4	265.9	256.3	245.7	234.4	223.3
40°	376.2	359.0	342.7	328.2	314.2	301.4	290.1	278.8	267.8	256.1	243.7
42.5°	427.9	404.8	382.5	364.3	347.3	330.4	314.9	302.2	289.3	277.0	264.0
45°	488.1	455.8	428.4	402.3	380.4	360.4	342.7	325.5	311.4	297.3	283.6
47.5°	556.5	513.7	478.2	444.5	416.5	391.5	370.3	351.4	333.4	317.9	302.8
50°	633.4	581.4	531.4	491.2	455.2	424.4	398.1	376.3	356.7	338.5	321.7
52.5°	719.0	654.6	593.7	540.3	495.8	458.3	426.9	401.0	380.1	359.2	345.1
55°	810.0	731.0	660.6	594.3	538.6	493.2	455.1	426.1	406.0	388.3	374.0
57.5°	905.2	811.5	727.7	652.9	584.9	528.8	492.1	462.1	436.1	416.1	400.4
60°	1000.5	894.0	796.0	709.0	638.6	579.0	531.0	497.9	468.8	444.5	425.7
62.5°	1092.4	971.5	866.5	775.2	694.3	625.6	572.2	532.6	501.7	471.9	449.8
65°	1167.3	1049.6	937.8	837.0	749.4	673.4	610.5	563.1	533.3	501.5	475.6
67.5°	1246.7	1123.3	1005.1	895.5	798.5	714.9	647.0	595.9	561.3	531.1	500.6
70°	1323.2	1188.1	1067.3	945.9	844.1	756.2	682.4	625.0	585.8	559.6	524.7
72.5°	1386.8	1244.7	1113.7	992.0	882.6	790.5	711.9	651.4	607.9	584.9	548.4
75°	1436.9	1290.9	1153.3	1028.4	911.9	818.9	739.8	676.9	632.6	603.3	567.2
77.5°	1467.7	1323.5	1184.3	1060.3	944.5	847.6	767.2	702.4	655.1	621.7	585.7
80°	1502.7	1355.0	1219.9	1090.6	972.2	870.1	789.2	723.7	675.3	640.1	603.7
82.5°	1537.5	1381.9	1246.3	1112.6	992.5	886.5	806.1	741.3	693.4	658.0	620.8
85°	1554.6	1398.0	1263.1	1126.5	1005.6	897.5	818.4	755.6	709.5	675.2	636.8
87.5°	1555.2	1408.5	1275.0	1136.1	1015.0	905.4	828.2	768.0	724.6	692.2	652.3
90°	1541.4	1398.6	1267.8	1130.4	1011.6	904.8	831.8	776.2	736.9	706.4	663.9
92.5°	1555.2	1408.5	1275.0	1136.1	1015.0	905.4	828.2	768.0	724.6	692.2	652.3
95°	1554.6	1398.0	1263.1	1126.5	1005.6	897.5	818.4	755.6	709.5	675.2	636.8
97.5°	1537.5	1381.9	1246.3	1112.6	992.5	886.5	806.1	741.3	693.4	658.0	620.8
100°	1502.7	1355.0	1219.9	1090.6	972.2	870.1	789.2	723.7	675.3	640.1	603.7
102.5°	1467.7	1323.5	1184.3	1060.3	944.5	847.6	767.2	702.4	655.1	621.7	585.7
105°	1436.9	1290.9	1153.3	1028.4	911.9	818.9	739.8	676.9	632.6	603.3	567.2
107.5°	1386.8	1244.7	1113.7	992.0	882.6	790.5	711.9	651.4	607.9	584.9	548.4
110°	1323.2	1188.1	1067.3	945.9	844.1	756.2	682.4	625.0	585.8	559.6	524.7





TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-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°	1246.7	1123.3	1005.1	895.5	798.5	714.9	647.0	595.9	561.3	531.1	500.6
115°	1167.3	1049.6	937.8	837.0	749.4	673.4	610.5	563.1	533.3	501.5	475.6
117.5°	1092.4	971.5	866.5	775.2	694.3	625.6	572.2	532.6	501.7	471.9	449.8
120°	1000.5	894.0	796.0	709.0	638.6	579.0	531.0	497.9	468.8	444.5	425.7
122.5°	905.2	811.5	727.7	652.9	584.9	528.8	492.1	462.1	436.1	416.1	400.4
125°	810.0	731.0	660.6	594.3	538.6	493.2	455.1	426.1	406.0	388.3	374.0
127.5°	719.0	654.6	593.7	540.3	495.8	458.3	426.9	401.0	380.1	359.2	345.1
130°	633.4	581.4	531.4	491.2	455.2	424.4	398.1	376.3	356.7	338.5	321.7
132.5°	556.5	513.7	478.2	444.5	416.5	391.5	370.3	351.4	333.4	317.9	302.8
135°	488.1	455.8	428.4	402.3	380.4	360.4	342.7	325.5	311.4	297.3	283.6
137.5°	427.9	404.8	382.5	364.3	347.3	330.4	314.9	302.2	289.3	277.0	264.0
140°	376.2	359.0	342.7	328.2	314.2	301.4	290.1	278.8	267.8	256.1	243.7
142.5°	332.1	318.9	306.3	295.4	285.2	275.4	265.9	256.3	245.7	234.4	223.3
145°	291.5	281.5	274.0	266.2	258.5	250.7	242.4	232.7	222.5	212.5	202.5
147.5°	256.2	249.9	244.4	238.8	232.7	225.5	217.1	208.2	199.4	190.2	181.9
150°	225.0	221.1	217.3	212.2	206.6	199.8	192.5	184.0	175.8	168.6	161.1
152.5°	197.8	195.4	192.0	187.8	182.9	177.2	171.4	164.3	157.0	149.2	141.8
155°	175.5	173.2	170.2	166.4	162.7	158.7	153.9	148.4	142.5	136.2	130.3
157.5°	156.6	155.4	153.6	151.2	148.1	144.1	139.5	134.6	129.5	124.3	119.3
160°	145.3	143.1	140.3	137.2	133.7	129.9	125.7	121.3	116.9	112.4	107.8
162.5°	130.5	128.2	125.1	121.8	118.3	114.7	110.9	107.1	103.1	99.0	94.9
165°	111.9	109.4	106.8	103.9	100.9	97.7	94.5	91.1	87.7	84.8	81.8
167.5°	90.6	88.6	86.4	84.1	81.9	80.1	78.2	76.1	73.9	71.6	69.1
170°	71.0	70.1	69.0	67.8	66.5	65.0	63.2	61.1	58.8	56.5	54.0
172.5°	52.4	51.4	50.3	49.1	47.8	46.3	44.8	43.2	41.5	40.1	38.7
175°	31.6	31.2	30.7	30.2	29.6	29.0	28.3	27.5	26.7	25.8	24.8
177.5°	14.7	14.6	14.5	14.3	14.2	14.0	13.7	13.5	13.2	12.9	12.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	12.2	11.9	11.5	11.1	10.6	10.2	9.7	9.3	8.8	8.3	7.8
5°	23.9	22.8	21.7	20.9	20.1	19.2	18.3	17.4	16.4	15.4	14.4
7.5°	37.2	35.7	34.0	32.3	30.6	28.8	26.9	25.4	24.0	22.5	20.9
10°	51.5	48.9	46.3	44.0	41.6	39.2	36.7	34.2	31.6	29.5	27.5
12.5°	66.1	62.9	59.6	56.3	52.8	49.6	46.5	43.3	40.1	36.7	33.9
15°	78.8	75.6	72.7	68.3	64.3	60.3	56.2	52.3	48.5	44.5	40.5
17.5°	91.3	87.1	83.2	79.2	75.0	70.5	66.0	61.3	56.8	52.2	47.5
20°	103.2	98.6	94.1	89.5	84.8	80.0	75.1	70.1	65.0	59.8	54.5
22.5°	114.3	109.3	104.4	99.6	94.4	89.0	83.5	78.2	72.9	67.3	61.5
25°	124.2	118.8	113.5	108.5	104.9	100.7	96.0	91.2	86.4	81.4	75.8
27.5°	136.1	131.8	128.2	124.5	120.9	117.2	112.4	107.4	102.2	96.9	91.1
30°	154.9	149.0	144.1	140.3	136.4	132.5	128.3	123.2	118.2	112.2	106.4
32.5°	173.6	166.6	160.4	155.3	151.4	147.4	143.3	138.5	133.1	127.3	121.1
35°	193.1	184.1	176.8	170.3	165.7	161.7	157.6	153.6	147.9	142.2	135.7
37.5°	212.4	202.4	192.7	185.7	179.7	175.5	171.6	167.3	162.4	156.9	150.2
40°	231.8	220.1	209.8	200.2	193.8	188.7	185.0	180.9	176.4	171.1	164.6
42.5°	250.6	238.2	226.2	215.7	207.6	201.3	197.9	194.2	190.0	185.0	178.9
45°	269.6	255.5	242.8	231.1	220.6	214.5	210.2	207.1	203.1	198.5	193.0
47.5°	287.8	272.9	258.9	246.6	234.9	229.1	227.8	228.0	227.8	226.0	221.1
50°	305.8	290.9	281.0	273.5	267.1	262.2	259.6	259.1	259.6	259.3	252.9
52.5°	333.4	323.6	314.8	307.3	301.1	295.7	292.3	290.3	290.5	293.1	284.8
55°	362.6	354.0	346.5	339.6	334.3	329.5	325.2	321.8	320.6	325.9	317.0
57.5°	389.3	381.9	376.6	370.8	366.6	362.6	358.2	353.4	350.5	357.4	349.6
60°	413.1	407.7	404.0	400.6	397.6	394.9	391.2	385.3	381.6	388.5	382.5
62.5°	436.6	431.3	429.8	428.9	427.6	426.7	424.1	417.7	412.8	419.0	415.7
65°	459.2	452.8	453.8	455.8	456.6	457.5	456.2	450.2	444.1	449.1	449.1
67.5°	480.0	472.3	476.2	481.2	484.6	487.5	487.9	482.6	475.4	478.9	482.6
70°	500.3	492.1	497.2	504.0	507.2	508.9	508.1	502.6	495.0	493.9	491.6
72.5°	519.1	505.4	505.6	510.7	514.9	517.1	517.3	514.3	509.5	506.7	497.9
75°	533.2	515.6	512.8	517.5	522.4	525.3	526.1	525.2	523.6	520.9	504.6
77.5°	546.5	525.5	520.4	524.4	529.8	533.5	534.8	535.4	537.2	536.2	511.7
80°	558.8	535.2	528.3	531.4	537.2	541.7	543.3	545.1	550.6	552.2	519.0
82.5°	570.4	544.6	536.4	538.4	544.5	549.9	551.7	554.5	563.7	568.7	528.8
85°	581.0	553.7	544.6	545.6	551.9	558.0	559.9	563.3	576.5	586.4	534.5
87.5°	591.2	562.7	553.0	552.8	559.3	566.2	568.3	572.7	589.6	602.2	540.3
90°	599.6	571.2	561.4	560.3	566.9	574.5	576.7	582.1	602.8	618.1	546.1
92.5°	591.2	562.7	553.0	552.8	559.3	566.2	568.3	572.7	589.6	602.2	540.3
95°	581.0	553.7	544.6	545.6	551.9	558.0	559.9	563.3	576.5	586.4	534.5
97.5°	570.4	544.6	536.4	538.4	544.5	549.9	551.7	554.5	563.7	568.7	528.8
100°	558.8	535.2	528.3	531.4	537.2	541.7	543.3	545.1	550.6	552.2	519.0
102.5°	546.5	525.5	520.4	524.4	529.8	533.5	534.8	535.4	537.2	536.2	511.7
105°	533.2	515.6	512.8	517.5	522.4	525.3	526.1	525.2	523.6	520.9	504.6
107.5°	519.1	505.4	505.6	510.7	514.9	517.1	517.3	514.3	509.5	506.7	497.9
110°	500.3	492.1	497.2	504.0	507.2	508.9	508.1	502.6	495.0	493.9	491.6



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	480.0	472.3	476.2	481.2	484.6	487.5	487.9	482.6	475.4	478.9	482.6
115°	459.2	452.8	453.8	455.8	456.6	457.5	456.2	450.2	444.1	449.1	449.1
117.5°	436.6	431.3	429.8	428.9	427.6	426.7	424.1	417.7	412.8	419.0	415.7
120°	413.1	407.7	404.0	400.6	397.6	394.9	391.2	385.3	381.6	388.4	382.5
122.5°	389.3	381.9	376.6	370.8	366.6	362.6	358.2	353.4	350.5	357.4	349.6
125°	362.6	354.0	346.5	339.6	334.3	329.5	325.2	321.8	320.6	325.9	317.0
127.5°	333.4	323.6	314.8	307.3	301.1	295.7	292.3	290.3	290.5	293.1	284.8
130°	305.8	290.9	281.0	273.5	267.1	262.2	259.6	259.1	259.6	259.3	252.9
132.5°	287.8	272.9	258.9	246.6	234.9	229.1	227.8	228.0	227.8	226.0	221.1
135°	269.6	255.5	242.8	231.1	220.6	214.5	210.2	207.1	203.1	198.5	193.0
137.5°	250.6	238.2	226.2	215.7	207.6	201.3	197.9	194.2	190.0	185.0	178.9
140°	231.8	220.1	209.8	200.2	193.8	188.7	185.0	180.9	176.4	171.1	164.6
142.5°	212.4	202.4	192.7	185.7	179.7	175.5	171.6	167.3	162.4	156.9	150.2
145°	193.1	184.1	176.8	170.3	165.7	161.7	157.6	153.6	147.9	142.2	135.7
147.5°	173.6	166.6	160.4	155.3	151.4	147.4	143.3	138.5	133.1	127.3	121.1
150°	154.9	149.0	144.1	140.3	136.4	132.5	128.3	123.2	118.2	112.2	106.4
152.5°	136.1	131.8	128.2	124.5	120.9	117.2	112.4	107.4	102.2	96.9	91.1
155°	124.2	118.8	113.5	108.5	104.9	100.7	96.0	91.2	86.4	81.4	75.8
157.5°	114.3	109.3	104.4	99.6	94.4	89.0	83.5	78.2	72.9	67.3	61.5
160°	103.2	98.6	94.1	89.5	84.8	80.0	75.1	70.1	65.0	59.8	54.5
162.5°	91.3	87.1	83.2	79.2	75.0	70.5	66.0	61.3	56.8	52.2	47.5
165°	78.8	75.6	72.7	68.3	64.3	60.3	56.2	52.3	48.5	44.5	40.5
167.5°	66.1	62.9	59.6	56.3	52.8	49.6	46.5	43.3	40.1	36.7	33.9
170°	51.5	48.9	46.3	44.0	41.6	39.2	36.7	34.2	31.6	29.5	27.5
172.5°	37.2	35.7	34.0	32.3	30.6	28.8	26.9	25.4	24.0	22.5	20.9
175°	23.9	22.8	21.7	20.9	20.1	19.2	18.3	17.4	16.4	15.4	14.4
177.5°	12.2	11.9	11.5	11.1	10.6	10.2	9.7	9.3	8.8	8.3	7.8
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	7.2	6.7	6.1	5.6	5.5	5.5	5.4	5.3	5.2	5.1	5.0
5°	13.3	12.3	11.2	10.1	9.9	9.8	9.6	9.5	9.3	9.1	8.8
7.5°	19.4	17.8	16.2	14.5	14.3	14.1	13.8	13.6	13.3	13.0	12.6
10°	25.4	23.3	21.2	19.0	18.7	18.4	18.0	17.7	17.2	16.8	16.7
12.5°	31.4	28.8	26.2	23.5	23.1	22.7	22.2	21.7	21.3	21.2	21.1
15°	37.3	34.3	31.1	28.0	27.5	26.9	26.3	25.8	25.7	25.7	25.5
17.5°	43.2	39.7	36.1	32.4	31.8	31.2	30.4	30.2	30.2	30.2	30.0
20°	49.2	45.1	41.0	36.9	36.2	35.4	34.6	34.7	34.7	34.7	34.3
22.5°	55.5	50.4	46.0	41.4	40.5	39.6	39.1	39.2	39.3	39.1	38.6
25°	69.9	64.4	59.9	55.2	54.6	53.7	53.3	53.1	52.4	50.7	48.9
27.5°	84.7	78.5	73.9	69.0	68.8	68.3	68.4	68.5	67.1	64.9	62.2
30°	99.5	92.5	87.8	82.8	83.0	83.0	83.7	84.1	81.5	78.7	74.5
32.5°	114.1	106.8	101.6	96.6	97.4	98.0	99.1	98.9	95.6	91.3	85.7
35°	128.7	121.0	115.4	110.5	111.8	113.1	114.7	113.4	109.4	103.1	96.1
37.5°	143.1	135.1	129.2	124.3	126.3	128.3	130.3	127.6	123.0	114.1	105.0
40°	157.4	149.2	142.9	138.1	140.9	143.5	146.1	141.6	134.6	124.3	112.9
42.5°	171.5	163.1	156.5	151.9	155.5	158.9	161.9	155.5	145.9	134.3	119.9
45°	185.5	177.0	170.1	165.7	170.1	174.3	176.3	169.1	156.7	142.0	126.1
47.5°	210.7	198.3	186.7	178.1	178.6	180.0	179.3	171.9	158.8	144.0	128.7
50°	238.2	220.7	203.6	190.4	186.6	184.8	180.9	171.7	157.8	142.6	128.2
52.5°	266.6	243.7	220.7	202.8	194.3	189.3	182.3	171.2	157.0	141.7	128.4
55°	295.8	267.2	238.1	215.1	201.7	193.3	183.6	170.9	156.3	141.3	129.2
57.5°	325.7	291.4	255.8	227.5	208.9	197.0	184.7	170.7	156.0	141.5	130.8
60°	356.2	315.9	273.6	239.8	215.8	200.3	185.6	170.7	156.1	142.8	133.3
62.5°	387.4	340.9	291.7	252.2	222.6	203.4	186.5	170.8	156.5	144.5	137.3
65°	419.0	366.2	309.8	264.5	229.1	206.3	187.3	171.1	157.2	146.7	142.0
67.5°	450.9	391.8	328.1	276.9	235.5	209.0	188.0	171.6	158.3	149.3	147.2
70°	453.9	391.8	327.2	274.8	233.9	207.3	186.2	170.1	157.3	149.3	149.0
72.5°	454.4	390.7	326.0	272.8	232.2	205.5	184.3	168.4	155.9	148.2	148.3
75°	454.7	389.3	326.7	270.7	230.7	203.9	182.5	166.8	154.7	147.3	147.4
77.5°	454.6	387.6	324.7	268.7	229.3	202.3	180.8	165.4	153.7	146.3	146.3
80°	454.2	387.6	322.8	266.6	228.0	200.9	179.3	164.1	152.8	145.5	145.1
82.5°	455.4	384.5	320.8	264.6	226.7	199.6	177.9	162.9	152.0	144.7	143.7
85°	453.3	381.3	318.9	262.5	225.6	198.3	176.6	161.9	151.4	144.0	142.3
87.5°	451.2	378.2	316.9	260.5	224.5	197.2	175.4	161.0	150.8	143.3	140.9
90°	449.1	375.0	315.0	258.4	223.5	196.2	174.4	160.2	150.4	142.8	139.5
92.5°	451.2	378.2	316.9	260.5	224.5	197.2	175.4	161.0	150.8	143.3	140.9
95°	453.3	381.3	318.9	262.5	225.6	198.3	176.6	161.9	151.4	144.0	142.3
97.5°	455.4	384.5	320.8	264.6	226.7	199.6	177.9	162.9	152.0	144.7	143.7
100°	454.2	387.6	322.8	266.6	228.0	200.9	179.3	164.1	152.8	145.5	145.1
102.5°	454.6	387.6	324.7	268.7	229.3	202.3	180.8	165.4	153.7	146.3	146.3
105°	454.7	389.3	326.7	270.7	230.7	203.9	182.5	166.8	154.7	147.3	147.4
107.5°	454.4	390.7	326.0	272.8	232.2	205.5	184.3	168.4	155.9	148.2	148.3
110°	453.9	391.8	327.2	274.8	233.9	207.3	186.2	170.1	157.3	149.3	149.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-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°	450.9	391.8	328.1	276.9	235.5	209.0	188.0	171.6	158.3	149.3	147.2
115°	419.0	366.2	309.8	264.5	229.1	206.3	187.3	171.1	157.2	146.7	142.0
117.5°	387.4	340.9	291.7	252.2	222.6	203.4	186.5	170.8	156.5	144.5	137.3
120°	356.2	315.9	273.6	239.8	215.8	200.3	185.6	170.7	156.1	142.8	133.3
122.5°	325.7	291.4	255.8	227.5	208.9	197.0	184.7	170.7	156.0	141.5	130.8
125°	295.8	267.2	238.1	215.1	201.7	193.3	183.6	170.9	156.3	141.3	129.2
127.5°	266.6	243.7	220.7	202.8	194.3	189.3	182.3	171.2	157.0	141.7	128.4
130°	238.2	220.7	203.6	190.4	186.6	184.8	180.9	171.7	157.8	142.6	128.2
132.5°	210.8	198.3	186.7	178.1	178.6	180.0	179.3	171.9	158.8	144.0	128.7
135°	185.5	177.0	170.1	165.7	170.1	174.3	176.3	169.1	156.7	142.0	126.1
137.5°	171.5	163.1	156.5	151.9	155.5	158.9	161.9	155.5	145.9	134.3	119.9
140°	157.4	149.2	142.9	138.1	140.9	143.5	146.1	141.6	134.6	124.3	112.9
142.5°	143.1	135.1	129.2	124.3	126.3	128.3	130.3	127.6	123.0	114.1	105.0
145°	128.7	121.0	115.4	110.5	111.8	113.1	114.7	113.4	109.4	103.1	96.1
147.5°	114.1	106.8	101.6	96.6	97.4	98.0	99.1	98.9	95.6	91.3	85.7
150°	99.5	92.5	87.8	82.8	83.0	83.0	83.7	84.1	81.5	78.7	74.5
152.5°	84.7	78.5	73.9	69.0	68.8	68.3	68.4	68.5	67.1	64.9	62.2
155°	69.9	64.4	59.9	55.2	54.6	53.7	53.3	53.1	52.4	50.7	48.9
157.5°	55.5	50.4	46.0	41.4	40.5	39.6	39.1	39.2	39.3	39.1	38.6
160°	49.2	45.1	41.0	36.9	36.2	35.4	34.6	34.7	34.7	34.7	34.3
162.5°	43.2	39.7	36.1	32.4	31.8	31.2	30.4	30.2	30.2	30.2	30.0
165°	37.3	34.3	31.1	28.0	27.5	26.9	26.3	25.8	25.7	25.7	25.5
167.5°	31.4	28.8	26.2	23.5	23.1	22.7	22.2	21.7	21.3	21.2	21.1
170°	25.4	23.3	21.2	19.0	18.7	18.4	18.0	17.7	17.2	16.8	16.7
172.5°	19.4	17.8	16.2	14.5	14.3	14.1	13.8	13.6	13.3	13.0	12.6
175°	13.3	12.3	11.2	10.1	9.9	9.8	9.6	9.5	9.3	9.1	8.8
177.5°	7.2	6.7	6.1	5.6	5.5	5.5	5.4	5.3	5.2	5.1	5.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	4.9	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.6	3.4
5°	8.6	8.4	8.1	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2
7.5°	12.3	12.1	11.9	11.7	11.5	11.2	10.9	10.6	10.3	9.9	9.5
10°	16.6	16.4	16.1	15.9	15.5	15.2	14.7	14.3	13.8	13.3	12.7
12.5°	20.9	20.7	20.3	19.9	19.5	19.0	18.4	17.9	17.3	16.6	16.0
15°	25.3	24.9	24.4	23.9	23.4	22.8	22.2	21.5	20.8	20.0	19.1
17.5°	29.6	29.1	28.6	28.0	27.4	26.7	25.9	25.0	24.0	23.0	22.0
20°	33.8	33.3	32.7	32.0	31.3	30.4	29.3	28.2	27.1	25.9	24.8
22.5°	38.1	37.5	36.9	36.1	34.9	33.8	32.6	31.4	30.1	28.8	27.7
25°	46.7	44.5	42.2	39.7	38.4	37.2	35.9	34.5	33.4	32.2	31.0
27.5°	59.0	55.8	52.1	48.6	45.5	42.6	40.1	38.1	36.9	35.4	33.7
30°	70.2	65.3	60.5	56.2	52.3	48.9	46.1	43.5	40.9	38.4	36.3
32.5°	79.8	73.4	67.7	62.4	58.0	54.3	50.8	47.4	44.4	41.8	39.3
35°	88.1	80.4	73.7	67.7	62.9	58.4	54.2	50.5	47.5	44.5	41.4
37.5°	95.2	86.6	78.5	72.4	66.6	61.5	57.0	53.3	49.8	46.4	43.3
40°	101.5	91.7	83.2	76.0	69.7	63.9	59.7	55.6	51.7	48.3	45.4
42.5°	107.3	95.9	87.1	79.1	71.9	66.6	61.9	57.5	53.7	50.4	47.5
45°	112.3	100.3	90.2	81.6	74.4	68.9	63.9	59.4	55.8	52.6	49.5
47.5°	115.2	103.8	93.1	83.5	76.9	71.0	65.6	61.6	57.9	54.7	51.6
50°	115.5	105.8	96.9	88.5	81.0	73.3	67.9	63.7	60.2	57.0	53.8
52.5°	117.6	109.3	102.3	96.1	89.4	82.1	74.9	68.3	62.6	59.5	55.8
55°	120.8	114.6	109.5	104.8	98.5	91.1	83.4	76.2	69.9	63.8	58.2
57.5°	124.9	121.2	118.1	114.2	108.3	99.9	91.5	83.6	76.3	69.1	63.2
60°	129.9	128.9	127.6	124.1	117.6	108.4	99.1	90.3	81.7	73.9	67.3
62.5°	136.0	137.7	137.9	134.6	126.7	116.6	106.2	96.2	86.4	78.2	70.5
65°	143.4	147.2	148.9	145.5	135.7	124.3	112.8	101.4	90.9	81.8	73.0
67.5°	151.5	157.3	159.5	156.0	144.7	131.9	118.9	106.2	95.0	84.8	75.3
70°	155.4	163.3	167.6	164.8	153.1	139.1	124.6	110.6	98.8	87.5	77.2
72.5°	154.4	162.0	166.4	163.6	154.3	142.1	128.3	114.7	102.3	90.0	78.9
75°	153.0	160.7	165.6	163.2	155.5	144.0	130.6	117.4	104.9	92.4	81.2
77.5°	151.2	159.4	165.0	163.7	157.6	146.5	133.4	120.6	107.8	95.1	83.7
80°	149.2	158.0	164.7	164.8	160.4	149.5	136.7	124.2	111.0	98.2	86.4
82.5°	147.0	156.6	164.4	166.4	163.7	152.9	140.6	128.2	114.7	101.6	89.3
85°	144.6	155.1	164.2	168.2	167.4	156.8	144.9	132.6	118.9	105.4	92.5
87.5°	142.1	153.4	163.9	170.2	171.4	161.1	149.7	137.5	123.5	109.7	96.1
90°	139.5	151.5	163.5	172.2	175.5	165.7	154.8	142.8	128.6	114.5	100.3
92.5°	142.1	153.4	163.9	170.2	171.4	161.1	149.7	137.5	123.5	109.7	96.1
95°	144.6	155.1	164.2	168.2	167.4	156.8	144.9	132.6	118.9	105.4	92.5
97.5°	147.0	156.6	164.4	166.4	163.7	152.9	140.6	128.2	114.7	101.6	89.3
100°	149.2	158.0	164.7	164.8	160.4	149.5	136.7	124.2	111.0	98.2	86.4
102.5°	151.2	159.4	165.0	163.7	157.6	146.5	133.4	120.6	107.8	95.1	83.7
105°	153.0	160.7	165.6	163.2	155.5	144.0	130.6	117.4	104.9	92.4	81.2
107.5°	154.4	162.0	166.4	163.6	154.3	142.1	128.3	114.7	102.3	90.0	78.9
110°	155.4	163.3	167.6	164.8	153.1	139.1	124.6	110.6	98.8	87.5	77.2



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	151.5	157.3	159.5	156.0	144.7	131.9	118.9	106.2	95.0	84.8	75.3
115°	143.4	147.2	148.9	145.5	135.7	124.3	112.8	101.4	90.9	81.8	73.0
117.5°	136.0	137.7	137.9	134.6	126.7	116.6	106.2	96.2	86.4	78.2	70.5
120°	129.9	128.9	127.6	124.1	117.6	108.4	99.1	90.3	81.7	73.9	67.3
122.5°	124.9	121.2	118.1	114.2	108.3	99.9	91.5	83.6	76.3	69.1	63.2
125°	120.8	114.6	109.5	104.8	98.5	91.1	83.4	76.2	69.9	63.8	58.2
127.5°	117.6	109.3	102.3	96.1	89.4	82.1	74.9	68.3	62.6	59.5	55.8
130°	115.5	105.8	96.9	88.5	81.0	73.3	67.9	63.7	60.2	57.0	53.8
132.5°	115.2	103.8	93.1	83.5	76.9	71.0	65.6	61.6	57.9	54.7	51.6
135°	112.3	100.3	90.2	81.6	74.4	68.9	63.9	59.4	55.8	52.6	49.5
137.5°	107.3	95.9	87.1	79.1	71.9	66.6	61.9	57.5	53.7	50.4	47.5
140°	101.5	91.7	83.2	76.0	69.7	63.9	59.7	55.6	51.7	48.3	45.4
142.5°	95.2	86.6	78.5	72.4	66.6	61.5	57.0	53.3	49.8	46.4	43.3
145°	88.1	80.4	73.7	67.7	62.9	58.4	54.2	50.5	47.5	44.5	41.4
147.5°	79.8	73.4	67.7	62.4	58.0	54.3	50.8	47.4	44.4	41.8	39.3
150°	70.2	65.3	60.5	56.2	52.3	48.9	46.1	43.5	40.9	38.4	36.3
152.5°	59.0	55.8	52.1	48.6	45.5	42.6	40.1	38.1	36.9	35.4	33.7
155°	46.7	44.5	42.2	39.7	38.4	37.2	35.9	34.5	33.4	32.2	31.0
157.5°	38.1	37.5	36.9	36.1	34.9	33.8	32.6	31.4	30.1	28.8	27.7
160°	33.8	33.3	32.7	32.0	31.3	30.4	29.3	28.2	27.1	25.9	24.8
162.5°	29.6	29.1	28.6	28.0	27.4	26.7	25.9	25.0	24.0	23.0	22.0
165°	25.3	24.9	24.4	23.9	23.4	22.8	22.2	21.5	20.8	20.0	19.1
167.5°	20.9	20.7	20.3	19.9	19.5	19.0	18.4	17.9	17.3	16.6	16.0
170°	16.6	16.4	16.1	15.9	15.5	15.2	14.7	14.3	13.8	13.3	12.7
172.5°	12.3	12.1	11.9	11.7	11.5	11.2	10.9	10.6	10.3	9.9	9.5
175°	8.6	8.4	8.1	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2
177.5°	4.9	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.6	3.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.4
5°	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8	3.4	3.1	2.7
7.5°	9.1	8.7	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.1
10°	12.2	11.6	11.0	10.3	9.7	9.0	8.3	7.6	6.9	6.2	5.4
12.5°	15.3	14.5	13.8	12.9	12.1	11.2	10.3	9.4	8.5	7.6	6.7
15°	18.2	17.2	16.3	15.3	14.3	13.2	12.2	11.1	10.1	9.0	7.9
17.5°	20.9	19.8	18.7	17.5	16.4	15.2	14.1	12.9	11.7	10.4	9.2
20°	23.6	22.4	21.2	20.0	18.8	17.5	16.2	14.8	13.3	11.9	10.4
22.5°	26.5	25.3	24.0	22.5	21.0	19.4	17.9	16.3	14.7	13.1	11.5
25°	29.5	27.9	26.3	24.6	23.0	21.3	19.6	17.8	16.0	14.2	12.4
27.5°	32.0	30.2	28.5	26.7	24.7	22.7	20.7	18.8	16.9	15.0	13.2
30°	34.5	32.6	30.3	28.1	25.9	24.0	22.0	20.1	18.1	16.1	14.1
32.5°	36.7	34.1	31.7	29.7	27.7	25.6	23.5	21.4	19.3	17.2	15.1
35°	38.4	36.1	33.8	31.6	29.4	27.2	24.8	22.5	20.2	18.0	15.9
37.5°	40.7	38.2	35.8	33.4	30.7	28.0	25.6	23.4	21.1	18.9	16.6
40°	42.7	40.1	37.4	34.5	31.7	29.2	26.8	24.2	21.7	19.2	16.8
42.5°	44.7	41.8	38.8	36.0	33.3	30.4	27.3	24.6	22.2	19.9	17.5
45°	46.6	43.5	40.6	37.6	34.5	31.4	28.5	25.7	23.1	20.6	18.2
47.5°	48.5	45.3	42.2	39.0	35.8	32.7	29.7	26.8	23.8	20.8	18.0
50°	50.4	47.1	43.9	40.5	37.1	34.0	30.7	27.3	24.0	21.1	18.5
52.5°	52.3	49.1	45.4	41.8	38.4	34.8	31.2	27.9	24.8	21.8	19.0
55°	54.6	50.7	46.9	43.1	39.3	35.5	32.0	28.7	25.5	22.5	19.6
57.5°	57.7	52.4	48.3	44.2	40.2	36.5	32.8	29.4	25.9	22.7	19.6
60°	60.8	55.0	49.9	45.4	41.2	37.3	33.4	29.5	25.9	22.4	19.3
62.5°	63.3	56.9	51.5	46.6	42.1	37.9	33.3	29.4	25.7	22.2	19.0
65°	65.2	58.6	52.7	47.4	42.6	37.7	33.4	29.3	25.2	21.6	18.3
67.5°	66.9	60.0	53.7	48.0	42.5	37.5	33.3	28.6	24.7	21.0	17.1
70°	68.5	61.1	54.5	48.3	42.4	37.3	32.1	27.6	24.0	19.7	16.1
72.5°	70.0	62.3	55.1	48.5	42.5	36.7	30.9	26.7	22.3	18.6	15.4
75°	71.7	63.5	55.7	48.9	42.5	35.8	30.3	25.5	20.9	17.1	14.0
77.5°	73.8	64.7	56.3	49.1	42.3	35.0	29.6	24.4	19.6	15.7	12.3
80°	75.9	65.9	56.8	48.9	41.1	34.2	28.7	23.5	18.5	14.4	10.6
82.5°	78.2	67.1	57.4	48.7	40.2	33.1	27.2	22.0	17.5	13.4	9.1
85°	80.8	68.6	58.2	48.7	39.7	32.2	26.1	21.1	17.0	13.0	8.8
87.5°	83.7	70.5	59.3	49.2	39.7	31.7	25.4	20.6	17.0	13.3	9.5
90°	87.2	73.0	61.0	50.1	40.3	31.6	25.1	20.7	17.4	14.2	10.9
92.5°	83.7	70.5	59.3	49.2	39.7	31.7	25.4	20.6	17.0	13.3	9.5
95°	80.8	68.6	58.2	48.7	39.7	32.2	26.1	21.1	17.0	13.0	8.8
97.5°	78.2	67.1	57.4	48.7	40.2	33.1	27.2	22.0	17.5	13.4	9.1
100°	75.9	65.9	56.8	48.9	41.1	34.2	28.7	23.5	18.5	14.4	10.6
102.5°	73.8	64.7	56.3	49.1	42.3	35.0	29.6	24.4	19.6	15.7	12.3
105°	71.7	63.5	55.7	48.9	42.5	35.8	30.3	25.5	20.9	17.1	14.0
107.5°	70.0	62.3	55.1	48.5	42.5	36.7	30.9	26.7	22.3	18.6	15.4
110°	68.5	61.1	54.5	48.3	42.4	37.3	32.1	27.6	24.0	19.7	16.1





TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-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°	66.9	60.0	53.7	48.0	42.5	37.5	33.3	28.6	24.7	21.0	17.1
115°	65.2	58.6	52.7	47.4	42.6	37.7	33.4	29.3	25.2	21.6	18.3
117.5°	63.3	56.9	51.5	46.6	42.1	37.9	33.3	29.4	25.7	22.2	19.0
120°	60.8	55.0	49.9	45.4	41.2	37.3	33.4	29.5	25.9	22.4	19.3
122.5°	57.7	52.4	48.3	44.2	40.2	36.5	32.8	29.4	25.9	22.7	19.6
125°	54.6	50.7	46.9	43.1	39.3	35.5	32.0	28.7	25.5	22.5	19.6
127.5°	52.3	49.1	45.4	41.8	38.4	34.8	31.2	27.9	24.8	21.8	19.0
130°	50.4	47.1	43.9	40.5	37.1	34.0	30.7	27.3	24.0	21.1	18.5
132.5°	48.5	45.3	42.2	39.0	35.8	32.7	29.7	26.8	23.8	20.8	18.0
135°	46.6	43.5	40.6	37.6	34.5	31.4	28.5	25.7	23.1	20.6	18.2
137.5°	44.7	41.8	38.8	36.0	33.3	30.4	27.3	24.6	22.2	19.9	17.5
140°	42.7	40.1	37.4	34.5	31.7	29.2	26.8	24.2	21.7	19.2	16.8
142.5°	40.7	38.2	35.8	33.4	30.7	28.0	25.6	23.4	21.1	18.9	16.6
145°	38.4	36.1	33.8	31.6	29.4	27.2	24.8	22.5	20.2	18.0	15.9
147.5°	36.7	34.1	31.7	29.7	27.7	25.6	23.5	21.4	19.3	17.2	15.1
150°	34.5	32.6	30.3	28.1	25.9	24.0	22.0	20.1	18.1	16.1	14.1
152.5°	32.0	30.2	28.5	26.7	24.7	22.7	20.7	18.8	16.9	15.0	13.2
155°	29.5	27.9	26.3	24.6	23.0	21.3	19.6	17.8	16.0	14.2	12.4
157.5°	26.5	25.3	24.0	22.5	21.0	19.4	17.9	16.3	14.7	13.1	11.5
160°	23.6	22.4	21.2	20.0	18.8	17.5	16.2	14.8	13.3	11.9	10.4
162.5°	20.9	19.8	18.7	17.5	16.4	15.2	14.1	12.9	11.7	10.4	9.2
165°	18.2	17.2	16.3	15.3	14.3	13.2	12.2	11.1	10.1	9.0	7.9
167.5°	15.3	14.5	13.8	12.9	12.1	11.2	10.3	9.4	8.5	7.6	6.7
170°	12.2	11.6	11.0	10.3	9.7	9.0	8.3	7.6	6.9	6.2	5.4
172.5°	9.1	8.7	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.1
175°	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8	3.4	3.1	2.7
177.5°	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.4
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
7.5°	3.5	2.9	2.3	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.3
10°	4.7	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
12.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
15°	6.8	5.7	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
17.5°	7.9	6.6	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
20°	8.9	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
22.5°	9.9	8.3	6.6	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.6
25°	10.6	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
27.5°	11.3	9.4	7.6	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.6
30°	12.1	10.1	8.1	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
32.5°	13.0	11.0	9.0	7.0	5.1	3.1	1.1	3.1	5.1	7.0	9.0
35°	13.8	11.7	9.6	7.4	5.3	3.2	1.1	3.2	5.3	7.4	9.6
37.5°	14.3	12.0	9.8	7.6	5.4	3.2	1.1	3.2	5.4	7.6	9.8
40°	14.6	12.3	10.1	7.8	5.6	3.3	1.1	3.3	5.6	7.8	10.1
42.5°	15.1	12.8	10.4	8.1	5.8	3.4	1.1	3.4	5.8	8.1	10.4
45°	15.5	13.0	10.5	8.1	5.7	3.4	1.1	3.4	5.7	8.1	10.5
47.5°	15.5	13.1	10.6	8.2	5.9	3.5	1.1	3.5	5.9	8.2	10.6
50°	16.0	13.4	10.9	8.5	6.0	3.6	1.1	3.6	6.0	8.5	10.9
52.5°	16.4	13.8	11.2	8.7	6.1	3.6	1.1	3.6	6.1	8.7	11.2
55°	16.9	14.0	11.2	8.6	6.0	3.5	1.1	3.5	6.0	8.6	11.2
57.5°	16.5	13.7	11.1	8.6	6.1	3.6	1.1	3.6	6.1	8.6	11.1
60°	16.6	13.9	11.0	8.3	5.8	3.4	1.1	3.4	5.8	8.3	11.0
62.5°	16.0	13.1	10.3	7.7	5.4	3.2	1.1	3.2	5.4	7.7	10.3
65°	15.0	12.1	9.4	7.0	4.9	2.9	1.1	2.9	4.9	7.0	9.4
67.5°	13.9	11.0	8.6	6.5	4.7	2.9	1.1	2.9	4.7	6.5	8.6
70°	12.9	10.3	8.2	6.3	4.5	2.8	1.1	2.8	4.5	6.3	8.2
72.5°	12.2	9.5	7.5	5.7	3.8	2.3	1.1	2.3	3.8	5.7	7.5
75°	11.1	8.4	6.3	4.5	3.1	2.0	1.1	2.0	3.1	4.5	6.3
77.5°	9.4	7.6	5.5	3.3	1.2	0.2	0.0	0.2	1.2	3.3	5.5
80°	7.7	5.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
82.5°	5.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	5.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	7.7	5.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
102.5°	9.4	7.6	5.5	3.3	1.2	0.2	0.0	0.2	1.2	3.3	5.5
105°	11.1	8.4	6.3	4.5	3.1	2.0	1.1	2.0	3.1	4.5	6.3
107.5°	12.2	9.5	7.5	5.7	3.8	2.3	1.1	2.3	3.8	5.7	7.5
110°	12.9	10.3	8.2	6.3	4.5	2.8	1.1	2.8	4.5	6.3	8.2



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	13.9	11.0	8.6	6.5	4.7	2.9	1.1	2.9	4.7	6.5	8.6
115°	15.0	12.1	9.4	7.0	4.9	2.9	1.1	2.9	4.9	7.0	9.4
117.5°	16.0	13.1	10.3	7.7	5.4	3.2	1.1	3.2	5.4	7.7	10.3
120°	16.6	13.9	11.0	8.3	5.8	3.4	1.1	3.4	5.8	8.3	11.0
122.5°	16.5	13.7	11.1	8.6	6.1	3.6	1.1	3.6	6.1	8.6	11.1
125°	16.9	14.0	11.2	8.6	6.0	3.5	1.1	3.5	6.0	8.6	11.2
127.5°	16.4	13.8	11.2	8.7	6.1	3.6	1.1	3.6	6.1	8.7	11.2
130°	16.0	13.4	10.9	8.5	6.0	3.6	1.1	3.6	6.0	8.5	10.9
132.5°	15.5	13.1	10.6	8.2	5.9	3.5	1.1	3.5	5.9	8.2	10.6
135°	15.5	13.0	10.5	8.1	5.7	3.4	1.1	3.4	5.7	8.1	10.5
137.5°	15.1	12.8	10.4	8.1	5.8	3.4	1.1	3.4	5.8	8.1	10.4
140°	14.6	12.3	10.1	7.8	5.6	3.3	1.1	3.3	5.6	7.8	10.1
142.5°	14.3	12.0	9.8	7.6	5.4	3.2	1.1	3.2	5.4	7.6	9.8
145°	13.8	11.7	9.6	7.4	5.3	3.2	1.1	3.2	5.3	7.4	9.6
147.5°	13.0	11.0	9.0	7.0	5.1	3.1	1.1	3.1	5.1	7.0	9.0
150°	12.1	10.1	8.1	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
152.5°	11.3	9.4	7.6	5.7	3.8	1.9	0.0	1.9	3.8	5.7	7.6
155°	10.6	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
157.5°	9.9	8.3	6.6	5.0	3.3	1.7	0.0	1.7	3.3	5.0	6.6
160°	8.9	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
162.5°	7.9	6.6	5.3	4.0	2.7	1.3	0.0	1.3	2.7	4.0	5.3
165°	6.8	5.7	4.5	3.4	2.3	1.1	0.0	1.1	2.3	3.4	4.5
167.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0	1.0	1.9	2.9	3.8
170°	4.7	3.9	3.1	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.1
172.5°	3.5	2.9	2.3	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.3
175°	2.3	1.9	1.6	1.2	0.8	0.4	0.0	0.4	0.8	1.2	1.6
177.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.2	0.4	0.6	0.8
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.0	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.5	2.7	2.9
5°	1.9	2.3	2.7	3.1	3.4	3.8	4.1	4.5	4.8	5.1	5.4
7.5°	2.9	3.5	4.1	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.2
10°	3.9	4.7	5.4	6.2	6.9	7.6	8.3	9.0	9.7	10.3	11.0
12.5°	4.8	5.7	6.7	7.6	8.5	9.4	10.3	11.2	12.1	12.9	13.8
15°	5.7	6.8	7.9	9.0	10.1	11.1	12.2	13.2	14.3	15.3	16.3
17.5°	6.6	7.9	9.2	10.4	11.7	12.9	14.1	15.2	16.4	17.5	18.7
20°	7.5	8.9	10.4	11.9	13.3	14.8	16.2	17.5	18.8	20.0	21.2
22.5°	8.3	9.9	11.5	13.1	14.7	16.3	17.9	19.4	21.0	22.5	24.0
25°	8.8	10.6	12.4	14.2	16.0	17.8	19.6	21.3	23.0	24.6	26.3
27.5°	9.4	11.3	13.2	15.0	16.9	18.8	20.7	22.7	24.7	26.7	28.5
30°	10.1	12.1	14.1	16.1	18.1	20.1	22.0	24.0	25.9	28.1	30.3
32.5°	11.0	13.0	15.1	17.2	19.3	21.4	23.5	25.6	27.7	29.7	31.7
35°	11.7	13.8	15.9	18.0	20.2	22.5	24.8	27.2	29.4	31.6	33.8
37.5°	12.0	14.3	16.6	18.9	21.1	23.4	25.6	28.0	30.7	33.4	35.8
40°	12.3	14.6	16.8	19.2	21.7	24.2	26.8	29.2	31.7	34.5	37.4
42.5°	12.8	15.1	17.5	19.9	22.2	24.6	27.3	30.4	33.3	36.0	38.8
45°	13.0	15.5	18.2	20.6	23.1	25.7	28.5	31.4	34.5	37.6	40.6
47.5°	13.1	15.5	18.0	20.8	23.8	26.8	29.7	32.7	35.8	39.0	42.2
50°	13.4	16.0	18.5	21.1	24.0	27.3	30.7	34.0	37.1	40.5	43.9
52.5°	13.8	16.4	19.0	21.8	24.8	27.9	31.2	34.8	38.4	41.8	45.4
55°	14.0	16.9	19.6	22.5	25.5	28.7	32.0	35.5	39.3	43.1	46.9
57.5°	13.7	16.5	19.6	22.7	25.9	29.4	32.8	36.5	40.2	44.2	48.3
60°	13.9	16.6	19.3	22.4	25.9	29.5	33.4	37.3	41.2	45.4	49.9
62.5°	13.1	16.0	19.0	22.2	25.7	29.4	33.3	37.9	42.1	46.6	51.5
65°	12.1	15.0	18.3	21.6	25.2	29.3	33.4	37.7	42.6	47.4	52.7
67.5°	11.0	13.9	17.1	21.0	24.7	28.6	33.3	37.5	42.5	48.0	53.7
70°	10.3	12.9	16.1	19.7	24.0	27.6	32.1	37.3	42.4	48.3	54.5
72.5°	9.5	12.2	15.4	18.6	22.3	26.7	30.9	36.7	42.5	48.5	55.1
75°	8.4	11.1	14.0	17.1	20.9	25.5	30.3	35.8	42.5	48.9	55.7
77.5°	7.6	9.4	12.3	15.7	19.6	24.4	29.6	35.0	42.3	49.1	56.3
80°	5.8	7.7	10.6	14.4	18.5	23.5	28.7	34.2	41.1	48.9	56.8
82.5°	3.4	5.8	9.1	13.4	17.5	22.0	27.2	33.1	40.2	48.7	57.4
85°	1.3	4.9	8.8	13.0	17.0	21.1	26.1	32.2	39.7	48.7	58.2
87.5°	0.5	5.5	9.5	13.3	17.0	20.6	25.4	31.7	39.7	49.2	59.3
90°	0.0	6.5	10.9	14.2	17.4	20.7	25.1	31.6	40.3	50.1	61.0
92.5°	0.5	5.5	9.5	13.3	17.0	20.6	25.4	31.7	39.7	49.2	59.3
95°	1.3	4.9	8.8	13.0	17.0	21.1	26.1	32.2	39.7	48.7	58.2
97.5°	3.4	5.8	9.1	13.4	17.5	22.0	27.2	33.1	40.2	48.7	57.4
100°	5.8	7.7	10.6	14.4	18.5	23.5	28.7	34.2	41.1	48.9	56.8
102.5°	7.6	9.4	12.3	15.7	19.6	24.4	29.6	35.0	42.3	49.1	56.3
105°	8.4	11.1	14.0	17.1	20.9	25.5	30.3	35.8	42.5	48.9	55.7
107.5°	9.5	12.2	15.4	18.6	22.3	26.7	30.9	36.7	42.5	48.5	55.1
110°	10.3	12.9	16.1	19.7	24.0	27.6	32.1	37.3	42.4	48.3	54.5



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-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°	11.0	13.9	17.1	21.0	24.7	28.6	33.3	37.5	42.5	48.0	53.7
115°	12.1	15.0	18.3	21.6	25.2	29.3	33.4	37.7	42.6	47.4	52.7
117.5°	13.1	16.0	19.0	22.2	25.7	29.4	33.3	37.9	42.1	46.6	51.5
120°	13.9	16.6	19.3	22.4	25.9	29.5	33.4	37.3	41.2	45.4	49.9
122.5°	13.7	16.5	19.6	22.7	25.9	29.4	32.8	36.5	40.2	44.2	48.3
125°	14.0	16.9	19.6	22.5	25.5	28.7	32.0	35.5	39.3	43.1	46.9
127.5°	13.8	16.4	19.0	21.8	24.8	27.9	31.2	34.8	38.4	41.8	45.4
130°	13.4	16.0	18.5	21.1	24.0	27.3	30.7	34.0	37.1	40.5	43.9
132.5°	13.1	15.5	18.0	20.8	23.8	26.8	29.7	32.7	35.8	39.0	42.2
135°	13.0	15.5	18.2	20.6	23.1	25.7	28.5	31.4	34.5	37.6	40.6
137.5°	12.8	15.1	17.5	19.9	22.2	24.6	27.3	30.4	33.3	36.0	38.8
140°	12.3	14.6	16.8	19.2	21.7	24.2	26.8	29.2	31.7	34.5	37.4
142.5°	12.0	14.3	16.6	18.9	21.1	23.4	25.6	28.0	30.7	33.4	35.8
145°	11.7	13.8	15.9	18.0	20.2	22.5	24.8	27.2	29.4	31.6	33.8
147.5°	11.0	13.0	15.1	17.2	19.3	21.4	23.5	25.6	27.7	29.7	31.7
150°	10.1	12.1	14.1	16.1	18.1	20.1	22.0	24.0	25.9	28.1	30.3
152.5°	9.4	11.3	13.2	15.0	16.9	18.8	20.7	22.7	24.7	26.7	28.5
155°	8.8	10.6	12.4	14.2	16.0	17.8	19.6	21.3	23.0	24.6	26.3
157.5°	8.3	9.9	11.5	13.1	14.7	16.3	17.9	19.4	21.0	22.5	24.0
160°	7.5	8.9	10.4	11.9	13.3	14.8	16.2	17.5	18.8	20.0	21.2
162.5°	6.6	7.9	9.2	10.4	11.7	12.9	14.1	15.2	16.4	17.5	18.7
165°	5.7	6.8	7.9	9.0	10.1	11.1	12.2	13.2	14.3	15.3	16.3
167.5°	4.8	5.7	6.7	7.6	8.5	9.4	10.3	11.2	12.1	12.9	13.8
170°	3.9	4.7	5.4	6.2	6.9	7.6	8.3	9.0	9.7	10.3	11.0
172.5°	2.9	3.5	4.1	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.2
175°	1.9	2.3	2.7	3.1	3.4	3.8	4.1	4.5	4.8	5.1	5.4
177.5°	1.0	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.5	2.7	2.9
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	3.1	3.3	3.4	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.6
5°	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.4	7.6	7.8	8.1
7.5°	8.7	9.1	9.5	9.9	10.3	10.6	10.9	11.2	11.5	11.7	11.9
10°	11.6	12.2	12.7	13.3	13.8	14.3	14.7	15.2	15.5	15.9	16.1
12.5°	14.5	15.3	16.0	16.6	17.3	17.9	18.4	19.0	19.5	19.9	20.3
15°	17.2	18.2	19.1	20.0	20.8	21.5	22.2	22.8	23.4	23.9	24.4
17.5°	19.8	20.9	22.0	23.0	24.0	25.0	25.9	26.7	27.4	28.0	28.6
20°	22.4	23.6	24.8	25.9	27.1	28.2	29.3	30.4	31.3	32.0	32.7
22.5°	25.3	26.5	27.7	28.8	30.1	31.4	32.6	33.8	34.9	36.1	36.9
25°	27.9	29.5	31.0	32.2	33.4	34.5	35.9	37.2	38.4	39.7	42.2
27.5°	30.2	32.0	33.7	35.4	36.9	38.1	40.1	42.6	45.5	48.6	52.1
30°	32.6	34.5	36.3	38.4	40.9	43.5	46.1	48.9	52.3	56.2	60.5
32.5°	34.1	36.7	39.3	41.8	44.4	47.4	50.8	54.3	58.0	62.4	67.7
35°	36.1	38.4	41.4	44.5	47.5	50.5	54.2	58.4	62.9	67.7	73.7
37.5°	38.2	40.7	43.3	46.4	49.8	53.3	57.0	61.5	66.6	72.4	78.5
40°	40.1	42.7	45.4	48.3	51.7	55.6	59.7	63.9	69.7	76.0	83.2
42.5°	41.8	44.7	47.5	50.4	53.7	57.5	61.9	66.6	71.9	79.1	87.1
45°	43.5	46.6	49.5	52.6	55.8	59.4	63.9	68.9	74.4	81.6	90.2
47.5°	45.3	48.5	51.6	54.7	57.9	61.6	65.6	71.0	76.9	83.5	93.1
50°	47.1	50.4	53.8	57.0	60.2	63.7	67.9	73.3	81.0	88.5	96.9
52.5°	49.1	52.3	55.8	59.5	62.6	68.3	74.9	82.1	89.4	96.1	102.3
55°	50.7	54.6	58.2	63.8	69.9	76.2	83.4	91.1	98.5	104.8	109.5
57.5°	52.4	57.7	63.2	69.1	76.3	83.6	91.5	99.9	108.3	114.2	118.1
60°	55.0	60.8	67.3	73.9	81.7	90.3	99.1	108.4	117.6	124.1	127.6
62.5°	56.9	63.3	70.5	78.2	86.4	96.2	106.2	116.6	126.7	134.6	137.9
65°	58.6	65.2	73.0	81.8	90.9	101.4	112.8	124.3	135.7	145.5	148.9
67.5°	60.0	66.9	75.3	84.8	95.0	106.2	118.9	131.9	144.7	156.0	159.5
70°	61.1	68.5	77.2	87.5	98.8	110.6	124.6	139.1	153.1	164.8	167.6
72.5°	62.3	70.0	78.9	90.0	102.3	114.7	128.3	142.1	154.3	163.6	166.4
75°	63.5	71.7	81.2	92.4	104.9	117.4	130.6	144.0	155.5	163.2	165.6
77.5°	64.7	73.8	83.7	95.1	107.8	120.6	133.4	146.5	157.6	163.7	165.0
80°	65.9	75.9	86.4	98.2	111.0	124.2	136.7	149.5	160.4	164.8	164.7
82.5°	67.1	78.2	89.3	101.6	114.7	128.2	140.6	152.9	163.7	166.4	164.4
85°	68.6	80.8	92.5	105.4	118.9	132.6	144.9	156.8	167.4	168.2	164.2
87.5°	70.5	83.7	96.1	109.7	123.5	137.5	149.7	161.1	171.4	170.2	163.9
90°	73.0	87.2	100.3	114.5	128.6	142.8	154.8	165.7	175.5	172.2	163.5
92.5°	70.5	83.7	96.1	109.7	123.5	137.5	149.7	161.1	171.4	170.2	163.9
95°	68.6	80.8	92.5	105.4	118.9	132.6	144.9	156.8	167.4	168.2	164.2
97.5°	67.1	78.2	89.3	101.6	114.7	128.2	140.6	152.9	163.7	166.4	164.4
100°	65.9	75.9	86.4	98.2	111.0	124.2	136.7	149.5	160.4	164.8	164.7
102.5°	64.7	73.8	83.7	95.1	107.8	120.6	133.4	146.5	157.6	163.7	165.0
105°	63.5	71.7	81.2	92.4	104.9	117.4	130.6	144.0	155.5	163.2	165.6
107.5°	62.3	70.0	78.9	90.0	102.3	114.7	128.3	142.1	154.3	163.6	166.4
110°	61.1	68.5	77.2	87.5	98.8	110.6	124.6	139.1	153.1	164.8	167.6



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	60.0	66.9	75.3	84.8	95.0	106.2	118.9	131.9	144.7	156.0	159.5
115°	58.6	65.2	73.0	81.8	90.9	101.4	112.8	124.3	135.7	145.5	148.9
117.5°	56.9	63.3	70.5	78.2	86.4	96.2	106.2	116.6	126.7	134.6	137.9
120°	55.0	60.8	67.3	73.9	81.7	90.3	99.1	108.4	117.6	124.1	127.6
122.5°	52.4	57.7	63.2	69.1	76.3	83.6	91.5	99.9	108.3	114.2	118.1
125°	50.7	54.6	58.2	63.8	69.9	76.2	83.4	91.1	98.5	104.8	109.5
127.5°	49.1	52.3	55.8	59.5	62.6	68.3	74.9	82.1	89.4	96.1	102.3
130°	47.1	50.4	53.8	57.0	60.2	63.7	67.9	73.3	81.0	88.5	96.9
132.5°	45.3	48.5	51.6	54.7	57.9	61.6	65.6	71.0	76.9	83.5	93.1
135°	43.5	46.6	49.5	52.6	55.8	59.4	63.9	68.9	74.4	81.6	90.2
137.5°	41.8	44.7	47.5	50.4	53.7	57.5	61.9	66.6	71.9	79.1	87.1
140°	40.1	42.7	45.4	48.3	51.7	55.6	59.7	63.9	69.7	76.0	83.2
142.5°	38.2	40.7	43.3	46.4	49.8	53.3	57.0	61.5	66.6	72.4	78.5
145°	36.1	38.4	41.4	44.5	47.5	50.5	54.2	58.4	62.9	67.7	73.7
147.5°	34.1	36.7	39.3	41.8	44.4	47.4	50.8	54.3	58.0	62.4	67.7
150°	32.6	34.5	36.3	38.4	40.9	43.5	46.1	48.9	52.3	56.2	60.5
152.5°	30.2	32.0	33.7	35.4	36.9	38.1	40.1	42.6	45.5	48.6	52.1
155°	27.9	29.5	31.0	32.2	33.4	34.5	35.9	37.2	38.4	39.7	42.2
157.5°	25.3	26.5	27.7	28.8	30.1	31.4	32.6	33.8	34.9	36.1	36.9
160°	22.4	23.6	24.8	25.9	27.1	28.2	29.3	30.4	31.3	32.0	32.7
162.5°	19.8	20.9	22.0	23.0	24.0	25.0	25.9	26.7	27.4	28.0	28.6
165°	17.2	18.2	19.1	20.0	20.8	21.5	22.2	22.8	23.4	23.9	24.4
167.5°	14.5	15.3	16.0	16.6	17.3	17.9	18.4	19.0	19.5	19.9	20.3
170°	11.6	12.2	12.7	13.3	13.8	14.3	14.7	15.2	15.5	15.9	16.1
172.5°	8.7	9.1	9.5	9.9	10.3	10.6	10.9	11.2	11.5	11.7	11.9
175°	5.7	6.0	6.2	6.5	6.7	7.0	7.2	7.4	7.6	7.8	8.1
177.5°	3.1	3.3	3.4	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6	6.1
5°	8.4	8.6	8.8	9.1	9.3	9.5	9.6	9.8	9.9	10.1	11.2
7.5°	12.1	12.3	12.6	13.0	13.3	13.6	13.8	14.1	14.3	14.5	16.2
10°	16.4	16.6	16.7	16.8	17.2	17.7	18.0	18.4	18.7	19.0	21.2
12.5°	20.7	20.9	21.1	21.2	21.3	21.7	22.2	22.7	23.1	23.5	26.2
15°	24.9	25.3	25.5	25.7	25.7	25.8	26.3	26.9	27.5	28.0	31.1
17.5°	29.1	29.6	30.0	30.2	30.2	30.2	30.4	31.2	31.8	32.4	36.1
20°	33.3	33.8	34.3	34.7	34.7	34.7	34.6	35.4	36.2	36.9	41.0
22.5°	37.5	38.1	38.6	39.1	39.3	39.2	39.1	39.6	40.5	41.4	46.0
25°	44.5	46.7	48.9	50.7	52.4	53.1	53.3	53.7	54.6	55.2	59.9
27.5°	55.8	59.0	62.2	64.9	67.1	68.5	68.4	68.3	68.8	69.0	73.9
30°	65.3	70.2	74.5	78.7	81.5	84.1	83.7	83.0	83.0	82.8	87.8
32.5°	73.4	79.8	85.7	91.3	95.6	98.9	99.1	98.0	97.4	96.6	101.6
35°	80.4	88.1	96.1	103.1	109.4	113.4	114.7	113.1	111.8	110.5	115.4
37.5°	86.6	95.2	105.0	114.1	123.0	127.6	130.3	128.3	126.3	124.3	129.2
40°	91.7	101.5	112.9	124.3	134.6	141.6	146.1	143.5	140.9	138.1	142.9
42.5°	95.9	107.3	119.9	134.3	145.9	155.5	161.9	158.9	155.5	151.9	156.5
45°	100.3	112.3	126.1	142.0	156.7	169.1	176.3	174.3	170.1	165.7	170.1
47.5°	103.8	115.2	128.7	144.0	158.8	171.9	179.3	180.0	178.6	178.1	186.7
50°	105.8	115.5	128.2	142.6	157.8	171.7	180.9	184.8	186.6	190.4	203.6
52.5°	109.3	117.6	128.4	141.7	157.0	171.2	182.3	189.3	194.3	202.8	220.7
55°	114.6	120.8	129.2	141.3	156.3	170.9	183.6	193.3	201.7	215.1	238.1
57.5°	121.2	124.9	130.8	141.5	156.0	170.7	184.7	197.0	208.9	227.5	255.8
60°	128.9	129.9	133.3	142.8	156.1	170.7	185.6	200.3	215.8	239.8	273.6
62.5°	137.7	136.0	137.3	144.5	156.5	170.8	186.5	203.4	222.6	252.2	291.7
65°	147.2	143.4	142.0	146.7	157.2	171.1	187.3	206.3	229.1	264.5	309.8
67.5°	157.3	151.5	147.2	149.3	158.3	171.6	188.0	209.0	235.5	276.9	328.1
70°	163.3	155.4	149.0	149.3	157.3	170.1	186.2	207.3	233.9	274.8	327.2
72.5°	162.0	154.4	148.3	148.2	155.9	168.4	184.3	205.5	232.2	272.8	326.0
75°	160.7	153.0	147.4	147.3	154.7	166.8	182.5	203.9	230.7	270.7	326.7
77.5°	159.4	151.2	146.3	146.3	153.7	165.4	180.8	202.3	229.3	268.7	324.7
80°	158.0	149.2	145.1	145.5	152.8	164.1	179.3	200.9	228.0	266.6	322.8
82.5°	156.6	147.0	143.7	144.7	152.0	162.9	177.9	199.6	226.7	264.6	320.8
85°	155.1	144.6	142.3	144.0	151.4	161.9	176.6	198.3	225.6	262.5	318.9
87.5°	153.4	142.1	140.9	143.3	150.8	161.0	175.4	197.2	224.5	260.5	316.9
90°	151.5	139.5	139.5	142.8	150.4	160.2	174.4	196.2	223.5	258.4	315.0
92.5°	153.4	142.1	140.9	143.3	150.8	161.0	175.4	197.2	224.5	260.5	316.9
95°	155.1	144.6	142.3	144.0	151.4	161.9	176.6	198.3	225.6	262.5	318.9
97.5°	156.6	147.0	143.7	144.7	152.0	162.9	177.9	199.6	226.7	264.6	320.8
100°	158.0	149.2	145.1	145.5	152.8	164.1	179.3	200.9	228.0	266.6	322.8
102.5°	159.4	151.2	146.3	146.3	153.7	165.4	180.8	202.3	229.3	268.7	324.7
105°	160.7	153.0	147.4	147.3	154.7	166.8	182.5	203.9	230.7	270.7	326.7
107.5°	162.0	154.4	148.3	148.2	155.9	168.4	184.3	205.5	232.2	272.8	326.0
110°	163.3	155.4	149.0	149.3	157.3	170.1	186.2	207.3	233.9	274.8	327.2





TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	157.3	151.5	147.2	149.3	158.3	171.6	188.0	209.0	235.5	276.9	328.1
115°	147.2	143.4	142.0	146.7	157.2	171.1	187.3	206.3	229.1	264.5	309.8
117.5°	137.7	136.0	137.3	144.5	156.5	170.8	186.5	203.4	222.6	252.2	291.7
120°	128.9	129.9	133.3	142.8	156.1	170.7	185.6	200.3	215.8	239.8	273.6
122.5°	121.2	124.9	130.8	141.5	156.0	170.7	184.7	197.0	208.9	227.5	255.8
125°	114.6	120.8	129.2	141.3	156.3	170.9	183.6	193.3	201.7	215.1	238.1
127.5°	109.3	117.6	128.4	141.7	157.0	171.2	182.3	189.3	194.3	202.8	220.7
130°	105.8	115.5	128.2	142.6	157.8	171.7	180.9	184.8	186.6	190.4	203.6
132.5°	103.8	115.2	128.7	144.0	158.8	171.9	179.3	180.0	178.6	178.1	186.7
135°	100.3	112.3	126.1	142.0	156.7	169.1	176.3	174.3	170.1	165.7	170.1
137.5°	95.9	107.3	119.9	134.3	145.9	155.5	161.9	158.9	155.5	151.9	156.5
140°	91.7	101.5	112.9	124.3	134.6	141.6	146.1	143.5	140.9	138.1	142.9
142.5°	86.6	95.2	105.0	114.1	123.0	127.6	130.3	128.3	126.3	124.3	129.2
145°	80.4	88.1	96.1	103.1	109.4	113.4	114.7	113.1	111.8	110.5	115.4
147.5°	73.4	79.8	85.7	91.3	95.6	98.9	99.1	98.0	97.4	96.6	101.6
150°	65.3	70.2	74.5	78.7	81.5	84.1	83.7	83.0	83.0	82.8	87.8
152.5°	55.8	59.0	62.2	64.9	67.1	68.5	68.4	68.3	68.8	69.0	73.9
155°	44.5	46.7	48.9	50.7	52.4	53.1	53.3	53.7	54.6	55.2	59.9
157.5°	37.5	38.1	38.6	39.1	39.3	39.2	39.1	39.6	40.5	41.4	46.0
160°	33.3	33.8	34.3	34.7	34.7	34.7	34.6	35.4	36.2	36.9	41.0
162.5°	29.1	29.6	30.0	30.2	30.2	30.2	30.4	31.2	31.8	32.4	36.1
165°	24.9	25.3	25.5	25.7	25.7	25.8	26.3	26.9	27.5	28.0	31.1
167.5°	20.7	20.9	21.1	21.2	21.3	21.7	22.2	22.7	23.1	23.5	26.2
170°	16.4	16.6	16.7	16.8	17.2	17.7	18.0	18.4	18.7	19.0	21.2
172.5°	12.1	12.3	12.6	13.0	13.3	13.6	13.8	14.1	14.3	14.5	16.2
175°	8.4	8.6	8.8	9.1	9.3	9.5	9.6	9.8	9.9	10.1	11.2
177.5°	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6	6.1
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	6.7	7.2	7.8	8.3	8.8	9.3	9.7	10.2	10.6	11.1	11.5
5°	12.3	13.3	14.4	15.4	16.4	17.4	18.3	19.2	20.1	20.9	21.7
7.5°	17.8	19.4	20.9	22.5	24.0	25.4	26.9	28.8	30.6	32.3	34.0
10°	23.3	25.4	27.5	29.5	31.6	34.2	36.7	39.2	41.6	44.0	46.3
12.5°	28.8	31.4	33.9	36.7	40.1	43.3	46.5	49.6	52.8	56.3	59.6
15°	34.3	37.3	40.5	44.5	48.5	52.3	56.2	60.3	64.3	68.3	72.7
17.5°	39.7	43.2	47.5	52.2	56.8	61.3	66.0	70.5	75.0	79.2	83.2
20°	45.1	49.2	54.5	59.8	65.0	70.1	75.1	80.0	84.8	89.5	94.1
22.5°	50.4	55.5	61.5	67.3	72.9	78.2	83.5	89.0	94.4	99.6	104.4
25°	64.4	69.9	75.8	81.4	86.4	91.2	96.0	100.7	104.9	108.5	113.5
27.5°	78.5	84.7	91.1	96.9	102.2	107.4	112.4	117.2	120.9	124.5	128.2
30°	92.5	99.5	106.4	112.2	118.2	123.2	128.3	132.5	136.4	140.3	144.1
32.5°	106.8	114.1	121.1	127.3	133.1	138.5	143.3	147.4	151.4	155.3	160.4
35°	121.0	128.7	135.7	142.2	147.9	153.6	157.6	161.7	165.7	170.3	176.8
37.5°	135.1	143.1	150.2	156.9	162.4	167.3	171.6	175.5	179.7	185.7	192.7
40°	149.2	157.4	164.6	171.1	176.4	180.9	185.0	188.7	193.8	200.2	209.8
42.5°	163.1	171.5	178.9	185.0	190.0	194.2	197.9	201.3	207.6	215.7	226.2
45°	177.0	185.5	193.0	198.5	203.1	207.1	210.2	214.5	220.6	231.1	242.8
47.5°	198.3	210.8	221.1	226.0	227.8	228.0	227.8	229.1	234.9	246.6	258.9
50°	220.7	238.2	252.9	259.3	259.6	259.1	259.6	262.2	267.1	273.5	281.0
52.5°	243.7	266.6	284.8	293.1	290.5	290.3	292.3	295.7	301.1	307.3	314.8
55°	267.2	295.8	317.0	325.9	320.6	321.8	325.2	329.5	334.3	339.6	346.5
57.5°	291.4	325.7	349.6	357.4	350.5	353.4	358.2	362.6	366.6	370.8	376.6
60°	315.9	356.2	382.5	388.5	381.6	385.3	391.2	394.9	397.6	400.6	404.0
62.5°	340.9	387.4	415.7	419.0	412.8	417.7	424.1	426.7	427.6	428.9	429.8
65°	366.2	419.0	449.1	449.1	444.1	450.2	456.2	457.5	456.6	455.8	453.8
67.5°	391.8	450.9	482.6	478.9	475.4	482.6	487.9	487.5	484.6	481.2	476.2
70°	391.8	453.9	491.6	493.9	495.0	502.6	508.1	508.9	507.2	504.0	497.2
72.5°	390.7	454.4	497.9	506.7	509.5	514.3	517.3	517.1	514.9	510.7	505.6
75°	389.3	454.7	504.6	520.9	523.6	525.2	526.1	525.3	522.4	517.5	512.8
77.5°	387.6	454.6	511.7	536.2	537.2	535.4	534.8	533.5	529.8	524.4	520.4
80°	387.6	454.2	519.0	552.2	550.6	545.1	543.3	541.7	537.2	531.4	528.3
82.5°	384.5	455.4	528.8	568.7	563.7	554.5	551.7	549.9	544.5	538.4	536.4
85°	381.3	453.3	534.5	586.4	576.5	563.3	559.9	558.0	551.9	545.6	544.6
87.5°	378.2	451.2	540.3	602.2	589.6	572.7	568.3	566.2	559.3	552.8	553.0
90°	375.0	449.1	546.1	618.1	602.8	582.1	576.7	574.5	566.9	560.3	561.4
92.5°	378.2	451.2	540.3	602.2	589.6	572.7	568.3	566.2	559.3	552.8	553.0
95°	381.3	453.3	534.5	586.4	576.5	563.3	559.9	558.0	551.9	545.6	544.6
97.5°	384.5	455.4	528.8	568.7	563.7	554.5	551.7	549.9	544.5	538.4	536.4
100°	387.6	454.2	519.0	552.2	550.6	545.1	543.3	541.7	537.2	531.4	528.3
102.5°	387.6	454.6	511.7	536.2	537.2	535.4	534.8	533.5	529.8	524.4	520.4
105°	389.3	454.7	504.6	520.9	523.6	525.2	526.1	525.3	522.4	517.5	512.8
107.5°	390.7	454.4	497.9	506.7	509.5	514.3	517.3	517.1	514.9	510.7	505.6
110°	391.8	453.9	491.6	493.9	495.0	502.6	508.1	508.9	507.2	504.0	497.2



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	391.8	450.9	482.6	478.9	475.4	482.6	487.9	487.5	484.6	481.2	476.2
115°	366.2	419.0	449.1	449.1	444.1	450.2	456.2	457.5	456.6	455.8	453.8
117.5°	340.9	387.4	415.7	419.0	412.8	417.7	424.1	426.7	427.6	428.9	429.8
120°	315.9	356.2	382.5	388.4	381.6	385.3	391.2	394.9	397.6	400.6	404.0
122.5°	291.4	325.7	349.6	357.4	350.5	353.4	358.2	362.6	366.6	370.8	376.6
125°	267.2	295.8	317.0	325.9	320.6	321.8	325.2	329.5	334.3	339.6	346.5
127.5°	243.7	266.6	284.8	293.1	290.5	290.3	292.3	295.7	301.1	307.3	314.8
130°	220.7	238.2	252.9	259.3	259.6	259.1	259.6	262.2	267.1	273.5	281.0
132.5°	198.3	210.7	221.1	226.0	227.8	228.0	227.8	229.1	234.9	246.6	258.9
135°	177.0	185.5	193.0	198.5	203.1	207.1	210.2	214.5	220.6	231.1	242.8
137.5°	163.1	171.5	178.9	185.0	190.0	194.2	197.9	201.3	207.6	215.7	226.2
140°	149.2	157.4	164.6	171.1	176.4	180.9	185.0	188.7	193.8	200.2	209.8
142.5°	135.1	143.1	150.2	156.9	162.4	167.3	171.6	175.5	179.7	185.7	192.7
145°	121.0	128.7	135.7	142.2	147.9	153.6	157.6	161.7	165.7	170.3	176.8
147.5°	106.8	114.1	121.1	127.3	133.1	138.5	143.3	147.4	151.4	155.3	160.4
150°	92.5	99.5	106.4	112.2	118.2	123.2	128.3	132.5	136.4	140.3	144.1
152.5°	78.5	84.7	91.1	96.9	102.2	107.4	112.4	117.2	120.9	124.5	128.2
155°	64.4	69.9	75.8	81.4	86.4	91.2	96.0	100.7	104.9	108.5	113.5
157.5°	50.4	55.5	61.5	67.3	72.9	78.2	83.5	89.0	94.4	99.6	104.4
160°	45.1	49.2	54.5	59.8	65.0	70.1	75.1	80.0	84.8	89.5	94.1
162.5°	39.7	43.2	47.5	52.2	56.8	61.3	66.0	70.5	75.0	79.2	83.2
165°	34.3	37.3	40.5	44.5	48.5	52.3	56.2	60.3	64.3	68.3	72.7
167.5°	28.8	31.4	33.9	36.7	40.1	43.3	46.5	49.6	52.8	56.3	59.6
170°	23.3	25.4	27.5	29.5	31.6	34.2	36.7	39.2	41.6	44.0	46.3
172.5°	17.8	19.4	20.9	22.5	24.0	25.4	26.9	28.8	30.6	32.3	34.0
175°	12.3	13.3	14.4	15.4	16.4	17.4	18.3	19.2	20.1	20.9	21.7
177.5°	6.7	7.2	7.8	8.3	8.8	9.3	9.7	10.2	10.6	11.1	11.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	11.9	12.2	12.6	12.9	13.2	13.5	13.7	14.0	14.2	14.3	14.5
5°	22.8	23.9	24.8	25.8	26.7	27.5	28.3	29.0	29.6	30.2	30.7
7.5°	35.7	37.2	38.7	40.1	41.5	43.2	44.8	46.3	47.8	49.1	50.3
10°	48.9	51.5	54.0	56.5	58.8	61.1	63.2	65.0	66.5	67.8	69.0
12.5°	62.9	66.1	69.1	71.6	73.9	76.1	78.2	80.1	81.9	84.1	86.4
15°	75.6	78.8	81.8	84.8	87.7	91.1	94.5	97.7	100.9	103.9	106.8
17.5°	87.1	91.3	94.9	99.0	103.1	107.1	110.9	114.7	118.3	121.8	125.1
20°	98.6	103.2	107.8	112.4	116.9	121.3	125.7	129.9	133.7	137.2	140.3
22.5°	109.3	114.3	119.3	124.3	129.5	134.6	139.5	144.1	148.1	151.2	153.6
25°	118.8	124.2	130.3	136.2	142.5	148.4	153.9	158.7	162.7	166.4	170.2
27.5°	131.8	136.1	141.8	149.2	157.0	164.3	171.4	177.2	182.9	187.8	192.0
30°	149.0	154.9	161.1	168.6	175.8	184.0	192.5	199.8	206.6	212.2	217.3
32.5°	166.6	173.6	181.9	190.2	199.4	208.2	217.1	225.5	232.7	238.8	244.4
35°	184.1	193.1	202.5	212.5	222.5	232.7	242.4	250.7	258.5	266.2	274.0
37.5°	202.4	212.4	223.3	234.4	245.7	256.3	265.9	275.4	285.2	295.4	306.3
40°	220.1	231.8	243.7	256.1	267.8	278.8	290.1	301.4	314.2	328.2	342.7
42.5°	238.2	250.6	264.0	277.0	289.3	302.2	314.9	330.4	347.3	364.3	382.5
45°	255.5	269.6	283.6	297.3	311.4	325.5	342.7	360.4	380.4	402.3	428.4
47.5°	272.9	287.8	302.8	317.9	333.4	351.4	370.3	391.5	416.5	444.5	478.2
50°	290.9	305.8	321.7	338.5	356.7	376.3	398.1	424.4	455.2	491.2	531.4
52.5°	323.6	333.4	345.1	359.2	380.1	401.0	426.9	458.3	495.8	540.3	593.7
55°	354.0	362.6	374.0	388.3	406.0	426.1	455.1	493.2	538.6	594.3	660.6
57.5°	381.9	389.3	400.4	416.1	436.1	462.1	492.1	528.8	584.9	652.9	727.7
60°	407.7	413.1	425.7	444.5	468.8	497.9	531.0	579.0	638.6	709.0	796.0
62.5°	431.3	436.6	449.8	471.9	501.7	532.6	572.2	625.6	694.3	775.2	866.5
65°	452.8	459.2	475.6	501.5	533.3	563.1	610.5	673.4	749.4	837.0	937.8
67.5°	472.3	480.0	500.6	531.1	561.3	595.9	647.0	714.9	798.5	895.5	1005.1
70°	492.1	500.3	524.7	559.6	585.8	625.0	682.4	756.2	844.1	945.9	1067.3
72.5°	505.4	519.1	548.4	584.9	607.9	651.4	711.9	790.5	882.6	992.0	1113.7
75°	515.6	533.2	567.2	603.3	632.6	676.9	739.8	818.9	911.9	1028.4	1153.3
77.5°	525.5	546.5	585.7	621.7	655.1	702.4	767.2	847.6	944.5	1060.3	1184.3
80°	535.2	558.8	603.7	640.1	675.3	723.7	789.2	870.1	972.2	1090.6	1219.9
82.5°	544.6	570.4	620.8	658.0	693.4	741.3	806.1	886.5	992.5	1112.6	1246.3
85°	553.7	581.0	636.8	675.2	709.5	755.6	818.4	897.5	1005.6	1126.5	1263.1
87.5°	562.7	591.2	652.3	692.2	724.6	768.0	828.2	905.4	1015.0	1136.1	1275.0
90°	571.2	599.6	663.9	706.4	736.9	776.2	831.8	904.8	1011.6	1130.4	1267.8
92.5°	562.7	591.2	652.3	692.2	724.6	768.0	828.2	905.4	1015.0	1136.1	1275.0
95°	553.7	581.0	636.8	675.2	709.5	755.6	818.4	897.5	1005.6	1126.5	1263.1
97.5°	544.6	570.4	620.8	658.0	693.4	741.3	806.1	886.5	992.5	1112.6	1246.3
100°	535.2	558.8	603.7	640.1	675.3	723.7	789.2	870.1	972.2	1090.6	1219.9
102.5°	525.5	546.5	585.7	621.7	655.1	702.4	767.2	847.6	944.5	1060.3	1184.3
105°	515.6	533.2	567.2	603.3	632.6	676.9	739.8	818.9	911.9	1028.4	1153.3
107.5°	505.4	519.1	548.4	584.9	607.9	651.4	711.9	790.5	882.6	992.0	1113.7
110°	492.1	500.3	524.7	559.6	585.8	625.0	682.4	756.2	844.1	945.9	1067.3



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-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°	472.3	480.0	500.6	531.1	561.3	595.9	647.0	714.9	798.5	895.5	1005.1
115°	452.8	459.2	475.6	501.5	533.3	563.1	610.5	673.4	749.4	837.0	937.8
117.5°	431.3	436.6	449.8	471.9	501.7	532.6	572.2	625.6	694.3	775.2	866.5
120°	407.7	413.1	425.7	444.5	468.8	497.9	531.0	579.0	638.6	709.0	796.0
122.5°	381.9	389.3	400.4	416.1	436.1	462.1	492.1	528.8	584.9	652.9	727.7
125°	354.0	362.6	374.0	388.3	406.0	426.1	455.1	493.2	538.6	594.3	660.6
127.5°	323.6	333.4	345.1	359.2	380.1	401.0	426.9	458.3	495.8	540.3	593.7
130°	290.9	305.8	321.7	338.5	356.7	376.3	398.1	424.4	455.2	491.2	531.4
132.5°	272.9	287.8	302.8	317.9	333.4	351.4	370.3	391.5	416.5	444.5	478.2
135°	255.5	269.6	283.6	297.3	311.4	325.5	342.7	360.4	380.4	402.3	428.4
137.5°	238.2	250.6	264.0	277.0	289.3	302.2	314.9	330.4	347.3	364.3	382.5
140°	220.1	231.8	243.7	256.1	267.8	278.8	290.1	301.4	314.2	328.2	342.7
142.5°	202.4	212.4	223.3	234.4	245.7	256.3	265.9	275.4	285.2	295.4	306.3
145°	184.1	193.1	202.5	212.5	222.5	232.7	242.4	250.7	258.5	266.2	274.0
147.5°	166.6	173.6	181.9	190.2	199.4	208.2	217.1	225.5	232.7	238.8	244.4
150°	149.0	154.9	161.1	168.6	175.8	184.0	192.5	199.8	206.6	212.2	217.3
152.5°	131.8	136.1	141.8	149.2	157.0	164.3	171.4	177.2	182.9	187.8	192.0
155°	118.8	124.2	130.3	136.2	142.5	148.4	153.9	158.7	162.7	166.4	170.2
157.5°	109.3	114.3	119.3	124.3	129.5	134.6	139.5	144.1	148.1	151.2	153.6
160°	98.6	103.2	107.8	112.4	116.9	121.3	125.7	129.9	133.7	137.2	140.3
162.5°	87.1	91.3	94.9	99.0	103.1	107.1	110.9	114.7	118.3	121.8	125.1
165°	75.6	78.8	81.8	84.8	87.7	91.1	94.5	97.7	100.9	103.9	106.8
167.5°	62.9	66.1	69.1	71.6	73.9	76.1	78.2	80.1	81.9	84.1	86.4
170°	48.9	51.5	54.0	56.5	58.8	61.1	63.2	65.0	66.5	67.8	69.0
172.5°	35.7	37.2	38.7	40.1	41.5	43.2	44.8	46.3	47.8	49.1	50.3
175°	22.8	23.9	24.8	25.8	26.7	27.5	28.3	29.0	29.6	30.2	30.7
177.5°	11.9	12.2	12.6	12.9	13.2	13.5	13.7	14.0	14.2	14.3	14.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P231979

CATALOG NUMBER: FVS4WM-4-LD4-50-1HI-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	14.6	14.7	14.8	14.9	14.9	14.9	15.3	15.1	15.0	14.8	14.6
5°	31.2	31.6	31.9	32.2	32.4	32.6	32.6	32.6	33.1	32.7	32.3
7.5°	51.4	52.4	53.3	54.1	54.8	55.3	55.8	56.1	56.2	56.9	56.5
10°	70.1	71.0	71.9	72.6	73.2	73.6	73.9	74.1	74.2	74.7	74.1
12.5°	88.6	90.6	92.5	94.1	95.7	97.0	98.1	99.1	99.8	100.3	101.1
15°	109.4	111.9	114.2	116.3	118.2	120.0	121.5	122.8	123.8	124.6	125.7
17.5°	128.2	130.5	132.5	134.3	135.9	137.2	138.2	139.0	139.5	139.8	140.3
20°	143.1	145.3	146.3	147.0	147.2	147.1	146.7	145.9	145.0	143.8	142.5
22.5°	155.4	156.6	158.0	159.2	159.9	160.0	159.6	158.8	157.6	155.9	154.4
25°	173.2	175.5	177.0	178.1	178.5	178.3	177.4	175.9	173.8	171.3	168.3
27.5°	195.4	197.8	199.4	200.9	202.6	203.7	204.1	204.0	203.1	201.6	199.4
30°	221.1	225.0	228.4	231.1	234.9	238.1	240.5	242.3	243.2	243.3	242.4
32.5°	249.9	256.2	262.0	267.4	274.0	281.1	287.5	292.9	297.2	300.3	302.0
35°	281.5	291.5	302.1	312.4	322.5	333.6	343.7	352.7	360.3	366.4	370.9
37.5°	318.9	332.1	347.4	362.2	376.4	393.1	409.2	423.8	436.7	447.6	456.2
40°	359.0	376.2	397.4	419.5	441.0	463.4	485.9	506.4	524.5	540.0	552.6
42.5°	404.8	427.9	454.3	484.8	514.1	543.2	575.9	605.9	632.8	656.3	675.7
45°	455.8	488.1	519.7	560.4	601.8	645.8	684.2	724.0	759.8	791.1	817.4
47.5°	513.7	556.5	601.2	648.1	702.1	754.1	806.8	858.5	905.6	947.3	982.9
50°	581.4	633.4	692.1	749.4	812.7	878.5	943.8	1008.3	1064.8	1113.1	1152.8
52.5°	654.6	719.0	789.7	860.7	939.2	1020.9	1098.5	1175.2	1238.0	1287.3	1324.0
55°	731.0	810.0	893.4	986.2	1082.8	1190.2	1284.8	1351.3	1401.1	1438.0	1463.0
57.5°	811.5	905.2	1005.4	1120.5	1246.0	1345.5	1443.1	1493.4	1522.6	1544.0	1558.0
60°	894.0	1000.5	1121.7	1243.4	1360.0	1459.2	1536.7	1584.7	1605.0	1621.0	1632.4
62.5°	971.5	1092.4	1218.1	1343.6	1450.3	1541.0	1606.0	1649.3	1669.9	1687.9	1702.4
65°	1049.6	1167.3	1299.7	1426.4	1537.9	1625.3	1675.1	1706.5	1723.7	1741.0	1755.9
67.5°	1123.3	1246.7	1381.3	1521.4	1636.2	1701.2	1735.9	1751.5	1766.7	1788.5	1802.8
70°	1188.1	1323.2	1468.6	1619.3	1716.9	1754.8	1775.3	1796.7	1817.6	1830.4	1842.2
72.5°	1244.6	1386.8	1540.5	1674.0	1756.4	1789.0	1810.9	1830.4	1848.0	1864.0	1880.4
75°	1290.9	1436.9	1588.7	1717.4	1790.8	1817.0	1835.4	1854.6	1874.1	1894.7	1912.0
77.5°	1323.5	1467.7	1634.2	1762.3	1817.8	1843.1	1858.5	1870.2	1891.8	1915.4	1938.4
80°	1355.0	1502.7	1673.1	1804.3	1845.0	1867.2	1873.3	1888.6	1902.6	1929.7	1960.1
82.5°	1381.9	1537.5	1710.2	1819.3	1861.9	1877.8	1888.0	1908.9	1925.0	1946.1	1970.5
85°	1398.0	1554.6	1735.9	1829.0	1869.2	1882.5	1901.7	1927.7	1944.6	1959.2	1964.1
87.5°	1408.5	1555.2	1747.8	1836.0	1874.3	1887.6	1906.8	1930.5	1943.3	1967.3	1982.8
90°	1398.6	1541.4	1743.1	1836.8	1876.1	1892.4	1906.6	1927.3	1929.5	1960.0	1982.9
92.5°	1408.5	1555.2	1747.8	1836.0	1874.3	1887.6	1906.8	1930.5	1943.3	1967.3	1982.8
95°	1398.0	1554.6	1735.9	1829.0	1869.2	1882.5	1901.7	1927.7	1944.6	1959.2	1964.1
97.5°	1381.9	1537.5	1710.2	1819.3	1861.9	1877.8	1888.0	1908.9	1925.0	1946.1	1970.5
100°	1355.0	1502.7	1673.1	1804.3	1845.0	1867.2	1873.3	1888.6	1902.6	1929.7	1960.1
102.5°	1323.5	1467.7	1634.2	1762.3	1817.8	1843.1	1858.5	1870.2	1891.8	1915.4	1938.4
105°	1290.9	1436.9	1588.7	1717.4	1790.8	1817.0	1835.4	1854.6	1874.1	1894.7	1912.0
107.5°	1244.6	1386.8	1540.5	1674.0	1756.4	1789.0	1810.9	1830.4	1848.0	1864.0	1880.4
110°	1188.1	1323.2	1468.6	1619.3	1716.9	1754.8	1775.3	1796.7	1817.6	1830.4	1842.2



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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°	1123.3	1246.7	1381.3	1521.4	1636.2	1701.2	1735.9	1751.5	1766.7	1788.5	1802.8
115°	1049.6	1167.3	1299.7	1426.4	1537.9	1625.3	1675.1	1706.5	1723.7	1741.0	1755.9
117.5°	971.5	1092.4	1218.1	1343.6	1450.3	1541.0	1606.0	1649.3	1669.9	1687.9	1702.4
120°	894.0	1000.5	1121.7	1243.4	1360.0	1459.2	1536.7	1584.7	1605.0	1621.0	1632.4
122.5°	811.5	905.2	1005.4	1120.5	1246.0	1345.5	1443.1	1493.4	1522.6	1544.0	1558.0
125°	731.0	810.0	893.4	986.2	1082.8	1190.2	1284.8	1351.3	1401.1	1438.0	1463.0
127.5°	654.6	719.0	789.7	860.7	939.2	1020.9	1098.5	1175.2	1238.0	1287.3	1324.0
130°	581.4	633.4	692.1	749.4	812.7	878.5	943.8	1008.3	1064.8	1113.1	1152.8
132.5°	513.7	556.5	601.2	648.1	702.1	754.1	806.8	858.5	905.6	947.3	982.9
135°	455.8	488.1	519.7	560.4	601.8	645.8	684.2	724.0	759.8	791.1	817.4
137.5°	404.8	427.9	454.3	484.8	514.1	543.2	575.9	605.9	632.8	656.3	675.7
140°	359.0	376.2	397.4	419.5	441.0	463.4	485.9	506.4	524.5	540.0	552.6
142.5°	318.9	332.1	347.4	362.2	376.4	393.1	409.2	423.8	436.7	447.6	456.2
145°	281.5	291.5	302.1	312.4	322.5	333.6	343.7	352.7	360.3	366.4	370.9
147.5°	249.9	256.2	262.0	267.4	274.0	281.1	287.5	292.9	297.2	300.3	302.0
150°	221.1	225.0	228.4	231.1	234.9	238.1	240.5	242.3	243.2	243.3	242.4
152.5°	195.4	197.8	199.4	200.9	202.6	203.7	204.1	204.0	203.1	201.6	199.4
155°	173.2	175.5	177.0	178.1	178.5	178.3	177.4	175.9	173.8	171.3	168.3
157.5°	155.4	156.6	158.0	159.2	159.9	160.0	159.6	158.8	157.6	155.9	154.4
160°	143.1	145.3	146.3	147.0	147.2	147.1	146.7	145.9	145.0	143.8	142.5
162.5°	128.2	130.5	132.5	134.3	135.9	137.2	138.2	139.0	139.5	139.8	140.3
165°	109.4	111.9	114.2	116.3	118.2	120.0	121.5	122.8	123.8	124.6	125.7
167.5°	88.6	90.6	92.5	94.1	95.7	97.0	98.1	99.1	99.8	100.3	101.1
170°	70.1	71.0	71.9	72.6	73.2	73.6	73.9	74.1	74.2	74.7	74.1
172.5°	51.4	52.4	53.3	54.1	54.8	55.3	55.8	56.1	56.2	56.9	56.5
175°	31.2	31.6	31.9	32.2	32.4	32.6	32.6	32.6	33.1	32.7	32.3
177.5°	14.6	14.7	14.8	14.9	14.9	14.9	15.3	15.1	15.0	14.8	14.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1.1	1.1
2.5°	14.4	14.2
5°	32.0	31.6
7.5°	56.0	55.6
10°	73.6	73.0
12.5°	100.7	100.3
15°	125.6	125.4
17.5°	139.9	139.5
20°	141.0	139.5
22.5°	151.9	149.3
25°	165.1	161.3
27.5°	196.9	192.9
30°	241.1	237.6
32.5°	303.1	300.9
35°	374.5	373.9
37.5°	463.7	465.5
40°	563.8	567.9
42.5°	693.4	700.9
45°	841.2	852.5
47.5°	1015.7	1032.3
50°	1188.3	1205.7
52.5°	1353.8	1363.7
55°	1481.3	1482.5
57.5°	1567.9	1565.4
60°	1641.4	1639.5
62.5°	1712.4	1716.9
65°	1767.5	1774.7
67.5°	1810.1	1811.8
70°	1851.4	1856.5
72.5°	1892.3	1899.0
75°	1924.2	1931.7
77.5°	1951.3	1958.9
80°	1973.2	1972.0
82.5°	1988.5	1991.6
85°	1989.6	2008.0
87.5°	1980.7	2013.4
90°	1981.8	1989.5
92.5°	1980.7	2013.4
95°	1989.6	2008.0
97.5°	1988.5	1991.6
100°	1973.2	1972.0
102.5°	1951.3	1958.9
105°	1924.2	1931.7
107.5°	1892.3	1899.0
110°	1851.4	1856.5





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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	1810.1	1811.8
115°	1767.5	1774.7
117.5°	1712.4	1716.9
120°	1641.4	1639.5
122.5°	1567.9	1565.4
125°	1481.3	1482.5
127.5°	1353.8	1363.7
130°	1188.3	1205.7
132.5°	1015.7	1032.3
135°	841.2	852.5
137.5°	693.4	700.9
140°	563.8	567.9
142.5°	463.7	465.5
145°	374.5	373.9
147.5°	303.1	300.9
150°	241.1	237.6
152.5°	196.9	192.9
155°	165.1	161.3
157.5°	151.9	149.3
160°	141.0	139.5
162.5°	139.9	139.5
165°	125.6	125.4
167.5°	100.7	100.3
170°	73.6	73.0
172.5°	56.0	55.6
175°	32.0	31.6
177.5°	14.4	14.2
180°	1.0	1.0

(END OF REPORT)