

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: P232081

Luminaire Tested: **FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P232081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-30)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1  
Description: FAILSAFE FVS LED FIXTURE  
3FT LENGTH, 2-MODULE LED WITH PA187 LENS  
Light Source: (168) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

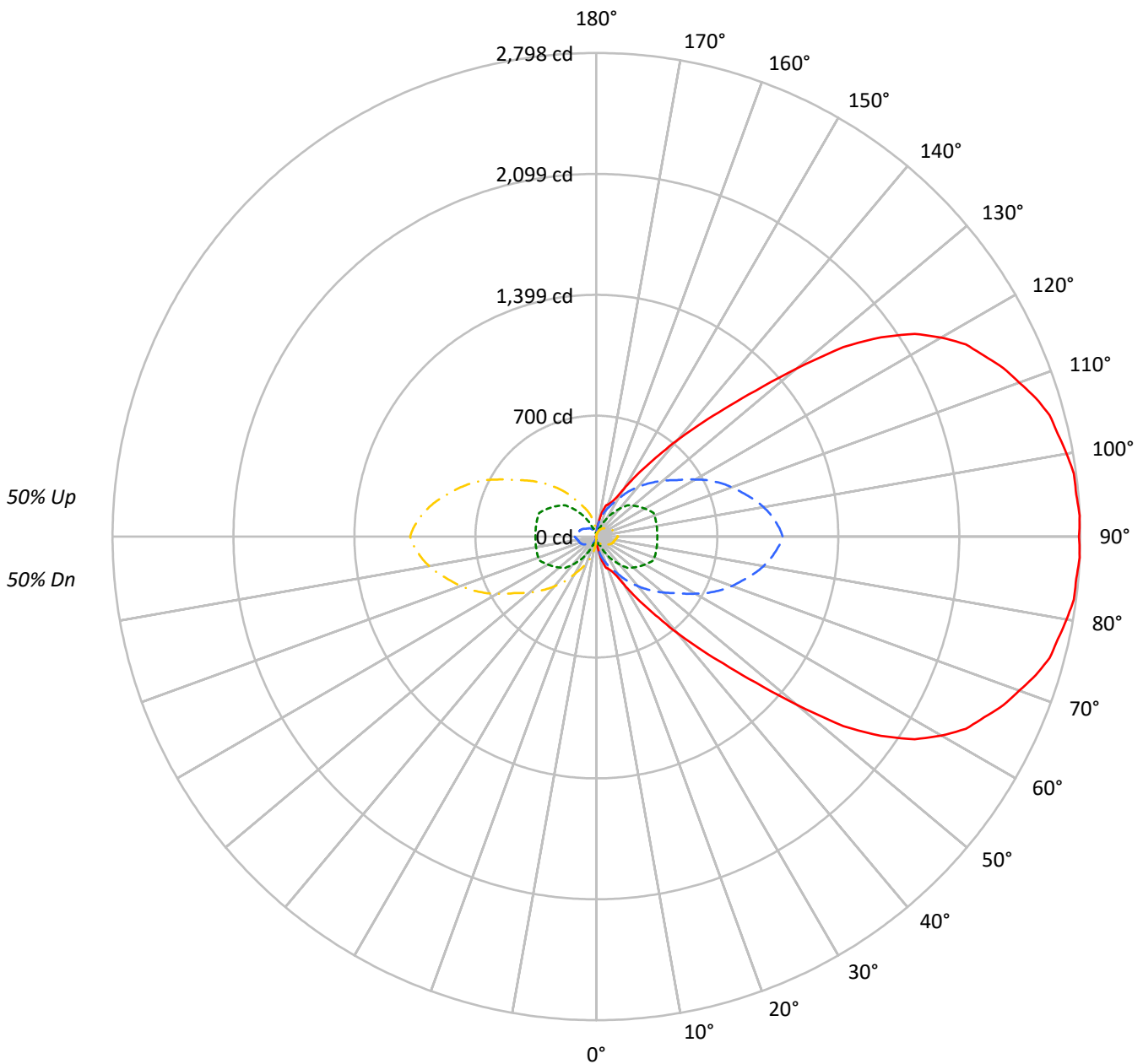
Lumens per Lamp: N/A  
Luminaire Lumens: 6291.2 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 29.07 / 18.32 / 19.49  
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')  
CIE Type: General Diffuse

Input Watts (W): 64  
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	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°	18	18	18	18
5°	791	256	0	256
10°	1555	496	0	496
15°	2331	743	0	743
20°	2567	1002	0	1002
25°	2780	1613	0	1613
30°	3697	2618	0	2618
35°	5414	3726	0	3726
40°	7784	4974	0	4974
45°	10851	6421	9	6421
50°	15491	7554	9	7554
55°	20403	8958	9	8958
60°	23325	10748	9	10748
65°	25197	13122	9	13122
70°	26853	15881	19	15881
75°	28585	19329	19	19329
80°	29948	24987	0	24987
85°	31379	35834	0	35834



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	20.4	0.3
20°-30°	54.7	0.9
30°-40°	125.8	2.0
40°-50°	246.8	3.9
50°-60°	439.7	7.0
60°-70°	638.4	10.1
70°-80°	774.9	12.3
80°-90°	842.1	13.4
90°-100°	842.1	13.4
100°-110°	774.9	12.3
110°-120°	638.4	10.1
120°-130°	439.7	7.0
130°-140°	246.8	3.9
140°-150°	125.8	2.0
150°-160°	54.7	0.9
160°-170°	20.4	0.3
170°-180°	2.8	0.0
0°-30°	77.9	1.2
0°-40°	203.7	3.2
0°-60°	890.2	14.1
0°-90°	3145.6	50.0
90°-120°	2255.4	35.9
90°-150°	3067.7	48.8
90°-180°	3146.0	50.0
0°-180°	6291.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	46	13	0	13	46	6
15°	166	38	0	38	166	47
25°	228	78	0	78	228	112
35°	488	167	0	167	488	319
45°	1040	255	1	255	1040	837
55°	2010	301	1	301	2010	1779
65°	2475	346	1	346	2475	2455
75°	2714	356	2	356	2714	2856
85°	2786	353	0	353	2786	2274
90°	2791	352	0	352	2791	1532
95°	2786	353	0	353	2786	2274
105°	2714	356	2	356	2714	2856
115°	2475	346	1	346	2475	2455
125°	2010	301	1	301	2010	1779
135°	1040	255	1	255	1040	837
145°	488	167	0	167	488	319
155°	228	78	0	78	228	112
165°	166	38	0	38	166	47
175°	46	13	0	13	46	6
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	19.8	20.1	20.3	20.6	20.9	21.1	21.4	20.8	20.7	20.7	20.6
5°	45.9	46.4	46.9	47.4	48.0	47.2	47.2	47.0	46.8	46.5	46.0
7.5°	74.6	75.3	76.0	76.7	76.1	76.0	75.8	75.5	75.0	74.3	73.5
10°	100.7	101.5	102.3	103.1	102.4	102.3	102.0	101.6	100.9	100.1	99.1
12.5°	132.2	132.9	133.6	133.0	132.7	132.1	131.3	130.2	128.9	127.3	125.5
15°	165.5	165.8	166.2	164.9	164.0	162.7	161.2	159.4	157.4	155.1	152.6
17.5°	190.6	191.1	191.6	190.5	189.8	188.7	187.3	185.5	183.3	180.8	177.9
20°	196.9	198.6	200.3	201.3	202.3	203.0	203.3	203.2	202.7	201.6	200.0
22.5°	209.5	212.5	215.5	217.3	219.1	220.4	221.3	221.5	221.1	220.0	218.3
25°	227.5	232.0	235.6	238.9	241.7	243.7	245.1	245.7	245.4	244.3	242.3
27.5°	259.0	264.2	267.9	271.3	273.8	275.5	276.4	276.5	275.7	274.1	272.0
30°	319.2	323.9	325.7	326.9	326.7	325.3	322.8	319.2	314.6	309.0	306.3
32.5°	397.5	400.7	399.7	398.0	394.6	389.7	383.4	376.0	367.6	359.3	351.6
35°	488.3	489.5	485.4	480.4	473.2	464.1	453.4	441.2	427.7	415.6	403.5
37.5°	591.7	591.2	584.0	575.4	564.0	550.0	533.6	515.0	495.2	477.9	459.8
40°	726.6	723.1	710.1	695.4	676.8	654.8	629.8	602.0	575.2	549.8	522.9
42.5°	872.3	867.7	851.7	833.0	808.9	779.8	745.8	707.2	671.2	634.6	596.5
45°	1039.5	1032.1	1010.6	986.3	955.9	919.9	878.8	838.8	786.6	735.3	683.0
47.5°	1248.2	1237.3	1207.2	1173.1	1130.9	1081.1	1024.5	966.7	911.3	852.3	793.0
50°	1510.7	1496.0	1454.7	1407.9	1349.6	1280.6	1201.9	1126.9	1051.3	971.3	903.5
52.5°	1801.2	1777.8	1723.3	1663.5	1592.1	1510.6	1420.8	1324.1	1218.0	1114.2	1023.6
55°	2009.8	1978.6	1923.2	1864.0	1796.4	1721.6	1635.8	1525.5	1405.4	1281.8	1157.5
57.5°	2182.5	2143.7	2083.0	2019.2	1948.2	1871.3	1785.2	1692.1	1592.6	1448.6	1307.9
60°	2303.0	2261.9	2202.7	2139.7	2068.7	1990.4	1907.4	1823.5	1723.7	1600.0	1456.2
62.5°	2408.2	2361.9	2306.6	2242.4	2169.4	2089.0	2011.1	1930.3	1835.8	1732.6	1588.6
65°	2474.7	2437.3	2390.8	2333.1	2262.3	2183.7	2101.7	2014.5	1924.1	1824.4	1709.3
67.5°	2547.6	2513.6	2470.2	2416.3	2351.1	2271.6	2184.2	2091.5	1993.5	1895.5	1789.4
70°	2603.3	2580.5	2546.4	2497.5	2426.8	2344.1	2255.9	2158.6	2057.2	1954.4	1857.7
72.5°	2664.5	2646.5	2617.6	2576.3	2498.3	2404.4	2312.5	2213.5	2113.7	2013.3	1912.3
75°	2713.9	2699.8	2675.9	2626.5	2542.5	2449.4	2352.8	2263.3	2162.8	2058.9	1956.1
77.5°	2734.6	2733.5	2721.0	2670.2	2589.1	2481.4	2391.7	2301.6	2202.3	2093.3	1986.8
80°	2761.6	2758.2	2745.0	2709.8	2634.6	2529.6	2425.0	2332.3	2231.6	2118.0	2007.4
82.5°	2785.0	2775.6	2760.5	2728.8	2661.7	2553.7	2446.7	2346.6	2247.8	2141.8	2031.5
85°	2785.9	2794.8	2778.1	2743.0	2672.5	2561.2	2458.1	2361.2	2262.4	2158.2	2046.8
87.5°	2797.6	2800.9	2780.0	2751.1	2689.0	2575.7	2469.8	2364.1	2265.8	2161.7	2052.3
90°	2791.3	2796.7	2765.2	2749.0	2685.2	2567.4	2467.5	2353.3	2257.1	2152.8	2047.6
92.5°	2797.6	2800.9	2780.0	2751.1	2689.0	2575.7	2469.8	2364.1	2265.8	2161.7	2052.3
95°	2785.9	2794.8	2778.1	2743.0	2672.5	2561.2	2458.1	2361.2	2262.4	2158.2	2046.8
97.5°	2785.0	2775.6	2760.5	2728.8	2661.7	2553.7	2446.7	2346.6	2247.8	2141.8	2031.5
100°	2761.6	2758.2	2745.0	2709.8	2634.6	2529.6	2425.0	2332.3	2231.6	2118.0	2007.4
102.5°	2734.6	2733.5	2721.0	2670.2	2589.1	2481.4	2391.7	2301.6	2202.3	2093.3	1986.8
105°	2713.9	2699.8	2675.9	2626.5	2542.5	2449.4	2352.8	2263.3	2162.8	2058.9	1956.1
107.5°	2664.5	2646.5	2617.6	2576.3	2498.3	2404.4	2312.5	2213.5	2113.7	2013.3	1912.3
110°	2603.3	2580.5	2546.4	2497.5	2426.8	2344.1	2255.9	2158.6	2057.2	1954.4	1857.7



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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°	2547.6	2513.6	2470.2	2416.3	2351.1	2271.6	2184.2	2091.5	1993.5	1895.5	1789.4
115°	2474.7	2437.3	2390.8	2333.1	2262.3	2183.7	2101.7	2014.5	1924.1	1824.4	1709.2
117.5°	2408.2	2361.9	2306.6	2242.4	2169.4	2089.0	2011.1	1930.3	1835.8	1732.6	1588.6
120°	2303.0	2261.9	2202.7	2139.7	2068.7	1990.4	1907.4	1823.5	1723.7	1600.0	1456.2
122.5°	2182.5	2143.7	2083.0	2019.2	1948.2	1871.3	1785.2	1692.1	1592.6	1448.6	1307.9
125°	2009.8	1978.6	1923.2	1864.0	1796.4	1721.6	1635.8	1525.5	1405.4	1281.8	1157.5
127.5°	1801.2	1777.8	1723.3	1663.5	1592.1	1510.6	1420.8	1324.1	1218.0	1114.2	1023.6
130°	1510.7	1496.0	1454.7	1407.9	1349.6	1280.6	1201.9	1126.9	1051.3	971.3	903.5
132.5°	1248.2	1237.3	1207.2	1173.1	1130.9	1081.1	1024.5	966.7	911.3	852.3	793.0
135°	1039.5	1032.1	1010.6	986.3	955.9	919.9	878.8	838.8	786.6	735.3	683.0
137.5°	872.3	867.7	851.7	833.0	808.9	779.8	745.8	707.2	671.2	634.6	596.5
140°	726.6	723.1	710.1	695.4	676.8	654.8	629.8	602.0	575.2	549.8	522.9
142.5°	591.7	591.2	584.0	575.4	564.0	550.0	533.6	515.0	495.2	477.9	459.8
145°	488.3	489.5	485.4	480.4	473.2	464.1	453.4	441.2	427.7	415.6	403.5
147.5°	397.5	400.7	399.7	398.0	394.6	389.7	383.4	376.0	367.6	359.3	351.6
150°	319.2	323.9	325.7	326.9	326.7	325.3	322.8	319.2	314.6	309.0	306.3
152.5°	259.0	264.2	267.9	271.3	273.8	275.5	276.4	276.5	275.7	274.1	272.0
155°	227.5	232.0	235.6	238.9	241.7	243.7	245.1	245.7	245.4	244.3	242.3
157.5°	209.5	212.5	215.5	217.3	219.1	220.4	221.3	221.5	221.1	220.0	218.3
160°	196.9	198.6	200.3	201.3	202.3	203.0	203.3	203.2	202.7	201.6	200.0
162.5°	190.6	191.1	191.6	190.5	189.8	188.7	187.3	185.5	183.3	180.8	177.9
165°	165.5	165.8	166.2	164.9	164.0	162.7	161.2	159.4	157.4	155.1	152.6
167.5°	132.2	132.9	133.6	133.0	132.7	132.1	131.3	130.2	128.9	127.3	125.5
170°	100.7	101.5	102.3	103.1	102.4	102.3	102.0	101.6	100.9	100.1	99.1
172.5°	74.6	75.3	76.0	76.7	76.1	76.0	75.8	75.5	75.0	74.3	73.5
175°	45.9	46.4	46.9	47.4	48.0	47.2	47.2	47.0	46.8	46.5	46.0
177.5°	19.8	20.1	20.3	20.6	20.9	21.1	21.4	20.8	20.7	20.7	20.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	20.5	20.3	20.1	19.9	19.6	19.3	18.9	18.6	18.2	17.7	17.2
5°	45.5	44.8	44.1	43.3	42.4	41.4	40.3	39.1	37.8	36.5	35.1
7.5°	72.5	71.4	70.1	68.7	67.1	65.4	63.6	61.7	59.6	57.5	55.4
10°	98.0	96.6	95.1	93.5	91.7	89.7	87.4	84.8	82.1	79.2	76.1
12.5°	123.5	121.3	118.9	116.4	113.8	111.3	108.6	105.8	102.8	99.7	96.4
15°	149.9	146.9	143.9	140.6	137.2	133.6	129.9	126.0	122.0	118.2	114.3
17.5°	174.7	171.2	167.3	163.3	159.1	154.9	150.6	146.1	141.4	136.6	131.7
20°	197.9	194.4	189.9	185.1	179.9	174.4	169.1	164.0	159.0	153.9	148.5
22.5°	216.0	213.5	210.3	206.2	201.3	195.3	188.6	181.6	174.3	168.6	163.1
25°	240.1	237.0	232.9	227.9	222.4	216.3	209.1	201.1	192.8	184.1	176.1
27.5°	269.4	265.5	260.5	254.8	248.4	240.8	233.3	223.1	212.8	201.9	191.9
30°	302.8	298.2	293.6	286.3	278.5	269.3	259.6	248.7	238.6	229.6	220.4
32.5°	343.2	334.0	326.9	319.9	312.0	302.2	291.6	280.8	270.6	260.0	250.2
35°	390.8	378.5	367.4	355.8	345.2	335.7	325.6	313.8	301.6	290.0	278.4
37.5°	441.2	425.4	410.4	397.4	382.5	368.6	356.8	345.2	332.5	319.2	306.4
40°	496.7	475.6	455.7	438.2	421.4	405.0	389.4	374.7	361.7	347.9	333.6
42.5°	563.7	534.3	506.3	483.9	462.9	442.4	423.2	406.2	389.6	375.2	360.3
45°	642.7	600.7	565.6	532.8	505.4	480.4	458.6	437.4	419.1	401.5	385.7
47.5°	734.2	678.4	631.6	587.1	552.0	520.8	494.1	470.4	447.9	428.5	410.5
50°	834.1	768.1	704.1	650.7	601.6	563.3	530.5	502.5	477.9	455.1	434.9
52.5°	935.1	858.6	784.4	717.5	658.8	606.3	567.7	535.3	508.2	481.7	470.1
55°	1049.6	950.1	865.4	785.4	717.2	656.8	603.4	568.5	546.3	529.7	519.7
57.5°	1173.9	1051.3	946.6	855.9	773.9	707.5	655.0	615.2	589.0	572.6	564.1
60°	1301.3	1159.4	1031.6	924.0	840.1	769.1	710.4	660.3	630.6	612.3	603.9
62.5°	1429.8	1264.0	1124.8	1010.2	912.1	828.1	763.6	709.8	669.4	647.0	639.2
65°	1547.6	1382.7	1225.9	1094.9	985.6	891.3	812.5	753.5	707.0	682.0	673.2
67.5°	1662.1	1492.0	1328.2	1179.5	1053.5	948.5	861.1	796.3	746.9	715.2	703.3
70°	1736.4	1582.4	1421.5	1254.8	1120.1	1006.8	910.7	834.9	782.0	745.2	730.0
72.5°	1805.8	1651.2	1485.2	1324.9	1178.7	1057.3	954.3	871.0	813.3	775.4	758.4
75°	1849.5	1714.0	1535.7	1379.5	1225.5	1101.8	996.7	908.6	847.9	806.8	784.9
77.5°	1887.3	1766.4	1576.9	1421.5	1274.0	1147.0	1039.7	947.8	880.2	836.2	810.6
80°	1909.5	1794.4	1627.7	1458.5	1313.4	1183.0	1076.1	982.2	909.5	863.7	835.5
82.5°	1928.5	1818.1	1662.5	1485.1	1341.9	1210.2	1106.4	1012.1	936.1	889.5	859.7
85°	1939.3	1835.3	1681.6	1501.4	1360.3	1229.6	1130.9	1037.7	960.2	913.6	883.2
87.5°	1941.8	1849.7	1692.1	1512.3	1373.1	1244.6	1152.2	1061.1	983.0	936.8	906.5
90°	1936.1	1841.7	1677.1	1505.3	1370.5	1249.1	1164.5	1077.3	1001.8	957.7	928.9
92.5°	1941.8	1849.7	1692.1	1512.3	1373.1	1244.6	1152.2	1061.1	983.0	936.8	906.5
95°	1939.3	1835.3	1681.6	1501.4	1360.3	1229.6	1130.9	1037.7	960.2	913.6	883.2
97.5°	1928.5	1818.1	1662.5	1485.1	1341.9	1210.2	1106.4	1012.1	936.1	889.5	859.7
100°	1909.5	1794.4	1627.7	1458.5	1313.4	1183.0	1076.1	982.2	909.5	863.7	835.5
102.5°	1887.3	1766.4	1576.9	1421.5	1274.0	1147.0	1039.7	947.8	880.2	836.2	810.6
105°	1849.5	1714.0	1535.7	1379.5	1225.5	1101.8	996.7	908.6	847.9	806.8	784.9
107.5°	1805.8	1651.2	1485.2	1324.9	1178.7	1057.3	954.3	871.0	813.3	775.4	758.4
110°	1736.4	1582.4	1421.5	1254.8	1120.1	1006.8	910.7	834.9	782.0	745.2	730.0





TEST NUMBER: P232081

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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1662.1	1492.0	1328.2	1179.5	1053.5	948.5	861.1	796.3	746.9	715.2	703.3
115°	1547.6	1382.7	1225.9	1094.9	985.6	891.3	812.5	753.5	707.0	682.0	673.2
117.5°	1429.8	1264.0	1124.8	1010.2	912.1	828.1	763.6	709.8	669.4	647.0	639.2
120°	1301.3	1159.4	1031.6	924.0	840.1	769.1	710.4	660.3	630.6	612.3	603.9
122.5°	1173.9	1051.3	946.6	855.9	773.9	707.5	655.0	615.2	589.0	572.6	564.1
125°	1049.6	950.1	865.4	785.4	717.2	656.8	603.4	568.5	546.3	529.7	519.7
127.5°	935.1	858.6	784.4	717.5	658.8	606.3	567.7	535.3	508.2	481.7	470.1
130°	834.1	768.1	704.1	650.7	601.6	563.3	530.5	502.5	477.9	455.1	434.9
132.5°	734.2	678.4	631.6	587.1	552.0	520.8	494.1	470.4	447.9	428.5	410.5
135°	642.7	600.7	565.6	532.8	505.4	480.4	458.6	437.4	419.1	401.5	385.7
137.5°	563.7	534.3	506.3	483.9	462.9	442.4	423.2	406.2	389.6	375.2	360.3
140°	496.7	475.6	455.7	438.2	421.4	405.0	389.4	374.7	361.7	347.9	333.6
142.5°	441.2	425.4	410.4	397.4	382.5	368.6	356.8	345.2	332.5	319.2	306.4
145°	390.8	378.5	367.4	355.8	345.2	335.7	325.6	313.8	301.6	290.0	278.4
147.5°	343.2	334.0	326.9	319.9	312.0	302.2	291.6	280.8	270.6	260.0	250.2
150°	302.8	298.2	293.6	286.3	278.5	269.3	259.6	248.7	238.6	229.6	220.4
152.5°	269.4	265.5	260.5	254.8	248.4	240.8	233.3	223.1	212.8	201.9	191.9
155°	240.1	237.0	232.9	227.9	222.4	216.3	209.1	201.1	192.8	184.1	176.1
157.5°	216.0	213.5	210.3	206.2	201.3	195.3	188.6	181.6	174.3	168.6	163.1
160°	197.9	194.4	189.9	185.1	179.9	174.4	169.1	164.0	159.0	153.9	148.5
162.5°	174.7	171.2	167.3	163.3	159.1	154.9	150.6	146.1	141.4	136.6	131.7
165°	149.9	146.9	143.9	140.6	137.2	133.6	129.9	126.0	122.0	118.2	114.3
167.5°	123.5	121.3	118.9	116.4	113.8	111.3	108.6	105.8	102.8	99.7	96.4
170°	98.0	96.6	95.1	93.5	91.7	89.7	87.4	84.8	82.1	79.2	76.1
172.5°	72.5	71.4	70.1	68.7	67.1	65.4	63.6	61.7	59.6	57.5	55.4
175°	45.5	44.8	44.1	43.3	42.4	41.4	40.3	39.1	37.8	36.5	35.1
177.5°	20.5	20.3	20.1	19.9	19.6	19.3	18.9	18.6	18.2	17.7	17.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	16.7	16.2	15.6	15.0	14.4	13.8	13.1	12.4	11.7	10.9	10.2
5°	33.6	32.0	30.4	29.1	27.9	26.6	25.3	23.9	22.4	21.0	19.5
7.5°	53.2	50.8	48.3	45.8	43.1	40.4	37.6	35.3	33.2	31.0	28.7
10°	72.9	69.6	66.4	62.8	59.3	55.6	51.9	48.0	44.1	41.0	38.0
12.5°	92.5	88.4	84.2	79.8	75.2	70.7	66.0	61.3	56.4	51.4	47.2
15°	110.2	106.0	102.3	96.4	91.1	85.6	80.0	74.3	68.5	62.6	56.6
17.5°	127.3	121.9	117.0	111.9	106.4	100.2	93.7	87.2	80.5	73.7	66.7
20°	142.9	137.3	131.6	125.9	120.1	114.2	107.0	99.7	92.3	84.6	76.7
22.5°	157.6	151.6	145.4	139.3	132.9	126.5	119.9	111.9	103.7	95.3	86.6
25°	169.6	163.9	158.0	151.5	147.5	143.2	138.5	133.2	126.2	118.9	110.7
27.5°	185.2	181.5	179.2	176.6	172.7	168.6	164.1	159.2	152.8	145.2	136.8
30°	213.3	206.7	202.2	199.8	196.9	192.9	188.7	184.0	179.4	171.0	162.9
32.5°	240.5	232.7	226.2	221.9	219.5	216.3	212.3	207.9	203.3	196.4	188.0
35°	267.8	258.0	250.4	244.2	240.9	238.6	235.1	231.4	226.9	221.4	212.9
37.5°	294.0	283.2	273.3	266.9	261.8	259.6	257.0	253.5	249.7	245.8	237.5
40°	320.1	307.0	296.8	287.9	282.9	279.7	278.1	275.2	271.9	268.6	261.7
42.5°	345.1	331.4	318.6	309.4	303.1	299.2	298.1	296.2	293.5	290.9	285.6
45°	370.0	354.5	340.7	329.9	321.8	318.8	317.4	316.6	314.6	312.7	309.2
47.5°	393.5	377.4	362.4	349.5	341.2	340.7	344.0	345.4	343.2	339.0	333.3
50°	416.7	401.7	398.9	399.5	400.0	397.7	393.1	387.6	379.1	368.7	358.2
52.5°	463.7	461.2	461.7	465.0	467.8	460.1	447.4	433.2	417.7	400.3	384.1
55°	515.6	516.4	520.4	526.8	536.2	526.0	506.1	482.2	458.7	433.9	411.3
57.5°	562.6	566.9	575.1	585.6	599.3	594.4	568.8	534.2	502.1	469.6	439.7
60°	604.3	613.1	626.1	641.5	659.5	665.3	635.1	589.2	547.9	506.9	469.1
62.5°	643.1	655.7	673.6	694.4	717.2	738.3	703.3	648.0	595.6	545.5	499.4
65°	678.2	694.3	717.9	744.6	772.7	803.7	771.3	709.2	645.1	585.4	530.4
67.5°	709.3	729.4	759.3	792.4	826.6	863.1	840.6	772.2	695.9	626.1	562.1
70°	737.8	762.8	798.5	836.0	869.2	899.3	878.6	802.8	716.9	639.9	569.7
72.5°	762.2	781.7	813.5	850.3	880.7	901.4	884.8	811.7	725.2	646.7	573.4
75°	782.2	795.9	825.9	864.9	895.1	907.0	890.2	818.8	732.5	652.9	576.6
77.5°	803.3	811.6	838.4	880.1	911.8	915.6	894.7	824.2	738.8	658.5	579.3
80°	825.5	828.4	851.3	895.8	930.4	926.3	898.2	828.1	744.1	663.5	581.5
82.5°	848.3	846.2	864.8	912.3	950.4	938.6	900.7	830.5	748.3	667.8	585.4
85°	871.5	864.8	879.1	929.5	971.3	953.5	904.5	833.8	753.5	673.1	585.4
87.5°	895.1	883.9	893.7	947.1	992.8	965.5	903.2	831.9	754.5	674.7	585.4
90°	918.1	903.7	910.9	966.7	1013.5	977.5	901.9	830.0	755.4	676.2	585.4
92.5°	895.1	883.9	893.7	947.1	992.8	965.5	903.2	831.9	754.5	674.7	585.4
95°	871.5	864.8	879.1	929.5	971.3	953.5	904.5	833.8	753.5	673.1	585.4
97.5°	848.3	846.2	864.8	912.3	950.4	938.6	900.7	830.5	748.3	667.8	585.4
100°	825.5	828.4	851.3	895.8	930.4	926.3	898.2	828.1	744.1	663.5	581.5
102.5°	803.3	811.6	838.4	880.1	911.8	915.6	894.7	824.2	738.8	658.5	579.3
105°	782.2	795.9	825.9	864.9	895.1	907.0	890.2	818.8	732.5	652.9	576.6
107.5°	762.2	781.7	813.5	850.3	880.7	901.4	884.8	811.7	725.2	646.7	573.4
110°	737.8	762.8	798.5	836.0	869.2	899.3	878.6	802.8	716.9	639.9	569.7



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	709.3	729.4	759.3	792.4	826.6	863.1	840.6	772.2	695.9	626.1	562.1
115°	678.2	694.3	717.9	744.6	772.7	803.7	771.3	709.2	645.1	585.4	530.4
117.5°	643.1	655.7	673.6	694.4	717.2	738.3	703.3	648.0	595.6	545.5	499.4
120°	604.3	613.1	626.1	641.5	659.5	665.3	635.1	589.2	547.9	506.9	469.1
122.5°	562.6	566.9	575.1	585.6	599.3	594.4	568.8	534.2	502.1	469.6	439.7
125°	515.6	516.4	520.4	526.8	536.2	526.0	506.1	482.2	458.7	433.9	411.3
127.5°	463.7	461.2	461.7	465.0	467.8	460.1	447.4	433.2	417.7	400.3	384.1
130°	416.7	401.7	398.9	399.5	400.0	397.7	393.1	387.6	379.1	368.7	358.2
132.5°	393.5	377.4	362.4	349.5	341.2	340.7	344.0	345.4	343.2	339.0	333.3
135°	370.0	354.5	340.7	329.9	321.8	318.8	317.4	316.6	314.6	312.7	309.2
137.5°	345.1	331.4	318.6	309.4	303.1	299.2	298.1	296.2	293.5	290.9	285.6
140°	320.1	307.0	296.8	287.9	282.9	279.7	278.1	275.2	271.9	268.6	261.7
142.5°	294.0	283.2	273.3	266.9	261.8	259.6	257.0	253.5	249.7	245.8	237.5
145°	267.8	258.0	250.4	244.2	240.9	238.6	235.1	231.4	226.9	221.4	212.9
147.5°	240.5	232.7	226.2	221.9	219.5	216.3	212.3	207.9	203.3	196.4	188.0
150°	213.3	206.7	202.2	199.8	196.9	192.9	188.7	184.0	179.4	171.0	162.9
152.5°	185.2	181.5	179.2	176.6	172.7	168.6	164.1	159.2	152.8	145.2	136.8
155°	169.6	163.9	158.0	151.5	147.5	143.2	138.5	133.2	126.2	118.9	110.7
157.5°	157.6	151.6	145.4	139.3	132.9	126.5	119.9	111.9	103.7	95.3	86.6
160°	142.9	137.3	131.6	125.9	120.1	114.2	107.0	99.7	92.3	84.6	76.7
162.5°	127.3	121.9	117.0	111.9	106.4	100.2	93.7	87.2	80.5	73.7	66.7
165°	110.2	106.0	102.3	96.4	91.1	85.6	80.0	74.3	68.5	62.6	56.6
167.5°	92.5	88.4	84.2	79.8	75.2	70.7	66.0	61.3	56.4	51.4	47.2
170°	72.9	69.6	66.4	62.8	59.3	55.6	51.9	48.0	44.1	41.0	38.0
172.5°	53.2	50.8	48.3	45.8	43.1	40.4	37.6	35.3	33.2	31.0	28.7
175°	33.6	32.0	30.4	29.1	27.9	26.6	25.3	23.9	22.4	21.0	19.5
177.5°	16.7	16.2	15.6	15.0	14.4	13.8	13.1	12.4	11.7	10.9	10.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	9.4	8.6	7.8	7.0	7.0	6.9	6.8	6.7	6.6	6.5	6.4
5°	17.9	16.3	14.7	13.1	13.0	12.9	12.7	12.5	12.3	12.1	11.9
7.5°	26.4	24.1	21.6	19.2	19.0	18.8	18.6	18.3	18.0	17.7	17.3
10°	34.9	31.7	28.6	25.3	25.1	24.8	24.4	24.0	23.6	23.2	22.8
12.5°	43.4	39.4	35.4	31.4	31.1	30.7	30.2	29.8	29.3	28.9	28.4
15°	51.8	47.1	42.3	37.5	37.1	36.6	36.0	35.5	35.0	34.5	34.0
17.5°	60.2	54.8	49.2	43.6	43.1	42.5	41.8	41.3	40.7	40.1	39.5
20°	68.7	62.4	56.1	49.7	49.1	48.4	47.6	47.0	46.4	45.7	45.2
22.5°	77.7	70.0	62.9	55.8	55.1	54.2	53.5	52.8	52.1	51.5	50.9
25°	101.9	93.4	85.9	78.0	76.4	74.5	72.4	70.2	67.9	65.6	63.2
27.5°	127.2	117.5	109.0	100.2	97.7	95.0	92.0	88.8	85.6	82.4	79.0
30°	152.4	141.5	132.1	122.3	119.0	115.3	111.2	106.9	102.7	98.4	93.9
32.5°	177.5	165.8	155.3	144.5	140.1	135.3	130.0	124.6	119.1	113.6	108.1
35°	202.5	190.1	178.4	166.7	161.1	155.1	148.5	141.8	135.0	128.2	121.5
37.5°	227.4	214.3	201.6	188.9	182.1	174.7	166.6	158.4	150.5	142.3	134.1
40°	252.3	238.4	224.7	211.0	202.9	194.0	184.4	174.7	165.0	155.8	145.9
42.5°	276.9	262.5	247.9	233.2	223.7	213.2	202.3	190.5	179.5	169.1	157.1
45°	300.7	286.5	271.1	255.4	244.4	232.2	219.1	205.9	193.5	180.9	167.7
47.5°	320.8	303.4	284.6	266.8	253.6	239.4	224.9	211.1	198.7	186.3	173.1
50°	341.3	320.3	298.2	278.2	262.5	245.8	229.3	214.0	200.6	187.5	173.7
52.5°	362.7	337.6	311.8	289.6	271.4	252.1	233.6	217.0	202.3	189.0	175.0
55°	384.9	355.2	325.5	301.0	280.1	258.1	237.7	219.9	204.2	190.8	176.9
57.5°	407.7	373.1	339.2	312.3	288.8	264.0	241.8	222.7	206.4	192.8	179.5
60°	431.2	391.2	353.0	323.7	297.4	269.7	245.7	225.4	208.7	195.3	183.2
62.5°	455.2	409.5	366.8	335.1	305.9	275.4	249.6	228.1	211.3	198.3	186.7
65°	479.6	427.9	380.6	346.5	314.4	280.9	253.5	230.8	214.0	201.7	191.0
67.5°	504.3	446.5	394.4	357.9	322.9	286.4	257.3	233.5	216.9	205.5	195.9
70°	509.3	450.0	397.1	357.2	320.3	283.2	254.4	231.2	215.7	205.2	196.8
72.5°	512.3	452.9	399.8	356.5	317.6	279.7	251.1	228.4	213.5	203.3	195.3
75°	514.9	455.4	404.1	355.8	315.0	276.5	248.0	225.9	211.4	201.5	194.0
77.5°	517.1	457.7	406.3	355.1	312.4	273.3	245.0	223.6	209.6	199.9	192.9
80°	518.9	461.4	408.5	354.4	309.9	270.4	242.3	221.5	207.8	198.3	192.0
82.5°	521.9	462.5	410.7	353.7	307.4	267.5	239.7	219.6	206.3	196.9	191.3
85°	522.1	463.6	412.9	353.0	305.0	264.8	237.3	217.8	204.8	195.6	190.7
87.5°	522.3	464.7	415.1	352.3	302.6	262.3	235.0	216.3	203.5	194.4	190.1
90°	522.5	465.8	417.3	351.6	300.4	259.9	232.9	214.9	202.3	193.3	189.7
92.5°	522.3	464.7	415.1	352.3	302.6	262.3	235.0	216.3	203.5	194.4	190.1
95°	522.1	463.6	412.9	353.0	305.0	264.8	237.3	217.8	204.8	195.6	190.7
97.5°	521.9	462.5	410.7	353.7	307.4	267.5	239.7	219.6	206.3	196.9	191.3
100°	518.9	461.4	408.5	354.4	309.9	270.4	242.3	221.5	207.8	198.3	192.0
102.5°	517.1	457.7	406.3	355.1	312.4	273.3	245.0	223.6	209.6	199.9	192.9
105°	514.9	455.4	404.1	355.8	315.0	276.5	248.0	225.9	211.4	201.5	194.0
107.5°	512.3	452.9	399.8	356.5	317.6	279.7	251.1	228.4	213.5	203.3	195.3
110°	509.3	450.0	397.1	357.2	320.3	283.2	254.4	231.2	215.7	205.2	196.8



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-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°	504.3	446.5	394.4	357.9	322.9	286.4	257.3	233.5	216.9	205.5	195.9
115°	479.6	427.9	380.6	346.5	314.4	280.9	253.5	230.8	214.0	201.7	191.0
117.5°	455.2	409.5	366.8	335.1	305.9	275.4	249.6	228.1	211.3	198.3	186.7
120°	431.2	391.2	353.0	323.7	297.4	269.7	245.7	225.4	208.7	195.3	183.2
122.5°	407.7	373.1	339.2	312.3	288.8	264.0	241.8	222.7	206.4	192.8	179.5
125°	384.9	355.2	325.5	301.0	280.1	258.1	237.7	219.9	204.2	190.8	176.9
127.5°	362.7	337.6	311.8	289.6	271.4	252.1	233.6	217.0	202.3	189.0	175.0
130°	341.3	320.3	298.2	278.2	262.5	245.8	229.3	214.0	200.6	187.5	173.7
132.5°	320.8	303.4	284.6	266.8	253.6	239.4	224.9	211.1	198.7	186.3	173.1
135°	300.7	286.5	271.1	255.4	244.4	232.2	219.1	205.9	193.5	180.9	167.7
137.5°	276.9	262.5	247.9	233.2	223.7	213.2	202.3	190.5	179.5	169.1	157.1
140°	252.3	238.4	224.7	211.0	202.9	194.0	184.4	174.7	165.0	155.8	145.9
142.5°	227.4	214.3	201.6	188.9	182.1	174.7	166.6	158.4	150.5	142.3	134.1
145°	202.5	190.1	178.4	166.7	161.1	155.1	148.5	141.8	135.0	128.2	121.5
147.5°	177.5	165.8	155.3	144.5	140.1	135.3	130.0	124.6	119.1	113.6	108.1
150°	152.4	141.5	132.1	122.3	119.0	115.3	111.2	106.9	102.7	98.4	93.9
152.5°	127.2	117.5	109.0	100.2	97.7	95.0	92.0	88.8	85.6	82.4	79.0
155°	101.9	93.4	85.9	78.0	76.4	74.5	72.4	70.2	67.9	65.6	63.2
157.5°	77.7	70.0	62.9	55.8	55.1	54.2	53.5	52.8	52.1	51.5	50.9
160°	68.7	62.4	56.1	49.7	49.1	48.4	47.6	47.0	46.4	45.7	45.2
162.5°	60.2	54.8	49.2	43.6	43.1	42.5	41.8	41.3	40.7	40.1	39.5
165°	51.8	47.1	42.3	37.5	37.1	36.6	36.0	35.5	35.0	34.5	34.0
167.5°	43.4	39.4	35.4	31.4	31.1	30.7	30.2	29.8	29.3	28.9	28.4
170°	34.9	31.7	28.6	25.3	25.1	24.8	24.4	24.0	23.6	23.2	22.8
172.5°	26.4	24.1	21.6	19.2	19.0	18.8	18.6	18.3	18.0	17.7	17.3
175°	17.9	16.3	14.7	13.1	13.0	12.9	12.7	12.5	12.3	12.1	11.9
177.5°	9.4	8.6	7.8	7.0	7.0	6.9	6.8	6.7	6.6	6.5	6.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.3	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.7	4.5
5°	11.6	11.3	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.8	8.4
7.5°	16.9	16.6	16.3	15.9	15.5	15.1	14.6	14.1	13.6	13.1	12.6
10°	22.4	22.0	21.5	21.0	20.5	20.0	19.4	18.8	18.2	17.5	16.8
12.5°	27.9	27.4	26.8	26.3	25.6	25.0	24.3	23.5	22.7	21.8	20.8
15°	33.4	32.8	32.2	31.6	30.8	30.0	29.0	28.0	27.0	25.9	24.8
17.5°	38.9	38.3	37.6	36.8	35.8	34.7	33.6	32.5	31.3	30.0	28.7
20°	44.6	43.9	42.8	41.8	40.6	39.4	38.2	36.8	35.5	34.2	32.9
22.5°	50.2	49.1	48.0	46.7	45.5	44.1	42.7	41.5	40.1	38.7	37.0
25°	60.5	57.6	54.6	51.7	50.2	48.9	47.7	46.3	44.6	42.8	40.9
27.5°	75.3	71.6	67.7	63.9	60.4	57.0	53.8	50.7	48.8	47.0	45.3
30°	89.3	84.5	79.7	75.0	70.4	66.1	61.9	58.1	55.0	52.1	49.2
32.5°	102.3	96.4	90.3	84.4	78.7	73.3	68.5	64.4	60.6	56.7	53.1
35°	114.4	107.1	99.5	92.3	85.5	79.3	74.1	69.1	64.4	60.2	56.9
37.5°	125.6	116.5	107.3	98.9	91.0	84.3	78.1	72.4	67.5	63.7	60.0
40°	135.8	124.6	114.0	104.2	95.7	88.0	81.1	75.2	70.8	66.5	62.5
42.5°	144.6	131.6	119.7	108.9	99.3	90.9	83.6	78.3	73.5	69.0	64.9
45°	152.5	137.9	124.3	112.7	102.3	93.0	86.7	81.0	76.0	71.4	67.0
47.5°	157.7	143.0	128.6	115.6	104.7	96.0	89.3	83.7	78.5	73.6	69.6
50°	158.7	144.5	131.2	118.8	107.3	99.0	92.1	86.2	80.8	76.3	72.1
52.5°	160.7	146.9	134.2	122.9	113.3	105.5	98.4	90.9	83.5	79.1	74.6
55°	163.4	150.5	138.3	127.8	120.2	113.5	106.9	99.8	92.4	84.8	77.6
57.5°	166.8	154.6	143.6	134.4	127.8	122.4	116.3	109.1	101.0	92.0	83.9
60°	170.8	159.3	149.5	142.1	136.8	132.1	126.4	118.3	108.3	98.1	88.9
62.5°	175.5	164.6	156.1	150.4	146.5	142.3	136.2	127.0	114.6	103.3	93.2
65°	180.8	170.8	163.3	159.3	156.8	153.1	145.7	134.0	120.3	107.7	96.6
67.5°	186.4	177.8	171.9	169.0	167.7	164.5	155.2	140.5	125.3	111.7	99.4
70°	188.8	182.2	178.8	178.6	178.7	175.2	164.3	146.4	129.9	115.2	101.8
72.5°	187.8	182.0	178.9	178.7	179.6	177.1	167.1	150.6	134.1	118.4	103.9
75°	187.1	182.0	178.9	178.6	179.3	176.3	166.3	151.3	135.6	120.2	105.6
77.5°	186.7	182.1	178.8	178.4	179.0	176.2	166.7	153.0	137.6	122.1	107.5
80°	186.4	182.3	178.7	178.1	178.8	176.7	168.2	155.6	140.0	124.5	110.0
82.5°	186.4	182.7	178.5	177.7	178.7	177.6	170.5	159.0	143.1	127.6	113.0
85°	186.5	183.1	178.3	177.2	178.5	178.8	173.5	163.1	146.6	131.2	116.7
87.5°	186.7	183.7	178.2	176.8	178.3	180.2	177.0	167.7	150.8	135.5	121.0
90°	187.0	184.3	178.1	176.3	178.1	181.6	180.7	172.7	155.6	140.3	125.9
92.5°	186.7	183.7	178.2	176.8	178.3	180.2	177.0	167.7	150.8	135.5	121.0
95°	186.5	183.1	178.3	177.2	178.5	178.8	173.5	163.1	146.6	131.2	116.7
97.5°	186.4	182.7	178.5	177.7	178.7	177.6	170.5	159.0	143.1	127.6	113.0
100°	186.4	182.3	178.7	178.1	178.8	176.7	168.2	155.6	140.0	124.5	110.0
102.5°	186.7	182.1	178.8	178.4	179.0	176.2	166.7	153.0	137.6	122.1	107.5
105°	187.1	182.0	178.9	178.6	179.3	176.3	166.3	151.3	135.6	120.2	105.6
107.5°	187.8	182.0	178.9	178.7	179.6	177.1	167.1	150.6	134.1	118.4	103.9
110°	188.8	182.2	178.8	178.6	178.7	175.2	164.3	146.4	129.9	115.2	101.8



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	186.4	177.8	171.9	169.0	167.7	164.5	155.2	140.5	125.3	111.7	99.4
115°	180.8	170.8	163.3	159.3	156.8	153.1	145.7	134.0	120.3	107.7	96.6
117.5°	175.5	164.6	156.1	150.4	146.5	142.3	136.2	127.0	114.6	103.3	93.2
120°	170.8	159.3	149.5	142.1	136.8	132.1	126.4	118.3	108.3	98.1	88.9
122.5°	166.8	154.6	143.6	134.4	127.8	122.4	116.3	109.1	101.0	92.0	83.9
125°	163.4	150.5	138.3	127.8	120.2	113.5	106.9	99.8	92.4	84.8	77.6
127.5°	160.7	146.9	134.2	122.9	113.3	105.5	98.4	90.9	83.5	79.1	74.6
130°	158.7	144.5	131.2	118.8	107.3	99.0	92.1	86.2	80.8	76.3	72.1
132.5°	157.7	143.0	128.6	115.6	104.7	96.0	89.3	83.7	78.5	73.6	69.6
135°	152.5	137.9	124.3	112.7	102.3	93.0	86.7	81.0	76.0	71.4	67.0
137.5°	144.6	131.6	119.7	108.9	99.3	90.9	83.6	78.3	73.5	69.0	64.9
140°	135.8	124.6	114.0	104.2	95.7	88.0	81.1	75.2	70.8	66.5	62.5
142.5°	125.6	116.5	107.3	98.9	91.0	84.3	78.1	72.4	67.5	63.7	60.0
145°	114.4	107.1	99.5	92.3	85.5	79.3	74.1	69.1	64.4	60.2	56.9
147.5°	102.3	96.4	90.3	84.4	78.7	73.3	68.5	64.4	60.6	56.7	53.1
150°	89.3	84.5	79.7	75.0	70.4	66.1	61.9	58.1	55.0	52.1	49.2
152.5°	75.3	71.6	67.7	63.9	60.4	57.0	53.8	50.7	48.8	47.0	45.3
155°	60.5	57.6	54.6	51.7	50.2	48.9	47.7	46.3	44.6	42.8	40.9
157.5°	50.2	49.1	48.0	46.7	45.5	44.1	42.7	41.5	40.1	38.7	37.0
160°	44.6	43.9	42.8	41.8	40.6	39.4	38.2	36.8	35.5	34.2	32.9
162.5°	38.9	38.3	37.6	36.8	35.8	34.7	33.6	32.5	31.3	30.0	28.7
165°	33.4	32.8	32.2	31.6	30.8	30.0	29.0	28.0	27.0	25.9	24.8
167.5°	27.9	27.4	26.8	26.3	25.6	25.0	24.3	23.5	22.7	21.8	20.8
170°	22.4	22.0	21.5	21.0	20.5	20.0	19.4	18.8	18.2	17.5	16.8
172.5°	16.9	16.6	16.3	15.9	15.5	15.1	14.6	14.1	13.6	13.1	12.6
175°	11.6	11.3	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.8	8.4
177.5°	6.3	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.7	4.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	4.3	4.1	3.9	3.6	3.4	3.1	2.9	2.6	2.4	2.1	1.8
5°	8.1	7.7	7.2	6.8	6.4	5.9	5.5	5.0	4.5	4.1	3.6
7.5°	12.0	11.4	10.8	10.2	9.5	8.9	8.2	7.5	6.8	6.1	5.4
10°	16.0	15.2	14.4	13.6	12.7	11.8	10.9	10.0	9.0	8.0	7.1
12.5°	19.9	18.9	17.8	16.8	15.7	14.6	13.5	12.3	11.1	9.9	8.7
15°	23.6	22.4	21.2	20.0	18.7	17.4	16.1	14.7	13.3	11.9	10.5
17.5°	27.4	26.1	24.8	23.4	21.9	20.4	18.8	17.2	15.6	13.9	12.2
20°	31.5	30.0	28.3	26.6	24.9	23.1	21.4	19.6	17.8	15.9	14.0
22.5°	35.3	33.5	31.7	29.9	28.1	26.2	24.3	22.1	20.0	17.8	15.6
25°	39.2	37.4	35.5	33.4	31.1	28.8	26.4	24.1	21.8	19.4	17.1
27.5°	43.4	41.0	38.5	36.1	33.6	31.3	28.8	26.4	23.8	21.2	18.5
30°	46.6	44.0	41.6	39.1	36.6	33.8	31.0	28.2	25.4	22.6	19.8
32.5°	50.2	47.5	44.8	41.8	38.9	35.9	32.9	29.9	27.0	24.0	21.0
35°	53.8	50.5	47.4	44.3	41.1	38.0	34.8	31.6	28.4	25.2	22.0
37.5°	56.4	53.0	49.6	46.4	43.3	39.9	36.5	32.9	29.4	26.0	22.7
40°	58.8	55.1	51.7	48.4	45.0	41.3	37.5	34.0	30.5	27.1	23.6
42.5°	60.9	57.3	53.8	50.0	46.1	42.5	39.0	35.3	31.4	27.6	24.0
45°	63.3	59.5	55.5	51.5	47.8	44.0	39.9	35.9	32.2	28.6	25.0
47.5°	65.6	61.4	57.3	53.4	49.2	45.0	40.9	37.0	33.2	29.5	25.8
50°	67.8	63.5	59.4	55.0	50.6	46.3	42.1	38.1	34.2	30.3	26.5
52.5°	70.1	65.7	61.2	56.6	51.9	47.5	43.3	39.2	35.1	31.4	27.7
55°	72.6	67.9	63.0	58.0	53.4	49.0	44.6	40.4	36.6	32.8	28.7
57.5°	76.6	70.2	64.6	59.7	55.0	50.4	46.2	42.2	37.8	33.5	28.8
60°	80.9	73.3	66.8	61.5	56.6	52.2	47.9	43.3	38.3	33.2	28.7
62.5°	84.0	75.6	68.7	63.0	58.4	54.1	49.2	43.7	38.1	33.3	28.7
65°	86.4	77.4	70.1	64.1	59.2	54.6	49.7	43.6	38.3	33.1	27.9
67.5°	88.2	78.6	71.0	64.8	59.1	53.6	48.0	43.6	38.0	32.3	27.0
70°	89.7	79.8	71.8	64.9	58.4	51.8	46.4	41.5	36.7	31.4	25.8
72.5°	90.8	80.8	72.4	64.6	57.1	50.3	44.6	39.3	34.2	29.4	24.6
75°	92.2	81.7	72.7	64.0	55.7	48.9	43.0	37.3	31.9	26.8	22.6
77.5°	94.4	83.2	73.0	63.4	54.6	47.6	41.6	35.6	29.9	24.6	20.4
80°	96.7	84.8	73.6	63.2	54.1	46.5	40.1	34.2	28.2	22.6	18.1
82.5°	99.3	86.6	74.3	63.3	53.5	45.2	38.1	31.9	26.1	20.8	15.9
85°	102.2	88.6	75.3	63.8	53.2	44.1	36.3	30.0	24.2	19.4	14.9
87.5°	105.6	91.2	76.9	64.8	53.3	43.4	35.0	28.7	23.1	18.9	15.1
90°	109.7	94.4	79.1	66.5	54.0	43.2	34.2	27.9	22.5	18.9	16.2
92.5°	105.6	91.2	76.9	64.8	53.3	43.4	35.0	28.7	23.1	18.9	15.1
95°	102.2	88.6	75.3	63.8	53.2	44.1	36.3	30.0	24.2	19.4	14.9
97.5°	99.3	86.6	74.3	63.3	53.5	45.2	38.1	31.9	26.1	20.8	15.9
100°	96.7	84.8	73.6	63.2	54.1	46.5	40.1	34.2	28.2	22.6	18.1
102.5°	94.4	83.2	73.0	63.4	54.6	47.6	41.6	35.6	29.9	24.6	20.4
105°	92.2	81.7	72.7	64.0	55.7	48.9	43.0	37.3	31.9	26.8	22.6
107.5°	90.8	80.8	72.4	64.6	57.1	50.3	44.6	39.3	34.2	29.4	24.6
110°	89.7	79.8	71.8	64.9	58.4	51.8	46.4	41.5	36.7	31.4	25.8





TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-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°	88.2	78.6	71.0	64.8	59.1	53.6	48.0	43.6	38.0	32.3	27.0
115°	86.4	77.4	70.1	64.1	59.2	54.6	49.7	43.6	38.3	33.1	27.9
117.5°	84.0	75.6	68.7	63.0	58.4	54.1	49.2	43.7	38.1	33.3	28.7
120°	80.9	73.3	66.8	61.5	56.6	52.2	47.9	43.3	38.3	33.2	28.7
122.5°	76.6	70.2	64.6	59.7	55.0	50.4	46.2	42.2	37.8	33.5	28.8
125°	72.6	67.9	63.0	58.0	53.4	49.0	44.6	40.4	36.6	32.8	28.7
127.5°	70.1	65.7	61.2	56.6	51.9	47.5	43.3	39.2	35.1	31.4	27.7
130°	67.8	63.5	59.4	55.0	50.6	46.3	42.1	38.1	34.2	30.3	26.5
132.5°	65.6	61.4	57.3	53.4	49.2	45.0	40.9	37.0	33.2	29.5	25.8
135°	63.3	59.5	55.5	51.5	47.8	44.0	39.9	35.9	32.2	28.6	25.0
137.5°	60.9	57.3	53.8	50.0	46.1	42.5	39.0	35.3	31.4	27.6	24.0
140°	58.8	55.1	51.7	48.4	45.0	41.3	37.5	34.0	30.5	27.1	23.6
142.5°	56.4	53.0	49.6	46.4	43.3	39.9	36.5	32.9	29.4	26.0	22.7
145°	53.8	50.5	47.4	44.3	41.1	38.0	34.8	31.6	28.4	25.2	22.0
147.5°	50.2	47.5	44.8	41.8	38.9	35.9	32.9	29.9	27.0	24.0	21.0
150°	46.6	44.0	41.6	39.1	36.6	33.8	31.0	28.2	25.4	22.6	19.8
152.5°	43.4	41.0	38.5	36.1	33.6	31.3	28.8	26.4	23.8	21.2	18.5
155°	39.2	37.4	35.5	33.4	31.1	28.8	26.4	24.1	21.8	19.4	17.1
157.5°	35.3	33.5	31.7	29.9	28.1	26.2	24.3	22.1	20.0	17.8	15.6
160°	31.5	30.0	28.3	26.6	24.9	23.1	21.4	19.6	17.8	15.9	14.0
162.5°	27.4	26.1	24.8	23.4	21.9	20.4	18.8	17.2	15.6	13.9	12.2
165°	23.6	22.4	21.2	20.0	18.7	17.4	16.1	14.7	13.3	11.9	10.5
167.5°	19.9	18.9	17.8	16.8	15.7	14.6	13.5	12.3	11.1	9.9	8.7
170°	16.0	15.2	14.4	13.6	12.7	11.8	10.9	10.0	9.0	8.0	7.1
172.5°	12.0	11.4	10.8	10.2	9.5	8.9	8.2	7.5	6.8	6.1	5.4
175°	8.1	7.7	7.2	6.8	6.4	5.9	5.5	5.0	4.5	4.1	3.6
177.5°	4.3	4.1	3.9	3.6	3.4	3.1	2.9	2.6	2.4	2.1	1.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
5°	3.1	2.6	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
7.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0	0.8	1.6	2.3	3.1
10°	6.1	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
12.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
15°	9.0	7.6	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
17.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
20°	12.1	10.1	8.1	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
22.5°	13.4	11.2	8.9	6.7	4.5	2.2	0.0	2.2	4.5	6.7	8.9
25°	14.7	12.3	9.8	7.4	4.9	2.5	0.0	2.5	4.9	7.4	9.8
27.5°	15.9	13.3	10.6	8.0	5.3	2.7	0.0	2.7	5.3	8.0	10.6
30°	17.0	14.1	11.3	8.5	5.7	2.8	0.0	2.8	5.7	8.5	11.3
32.5°	18.0	15.0	12.0	9.0	6.0	3.0	0.0	3.0	6.0	9.0	12.0
35°	18.7	15.6	12.4	9.3	6.2	3.1	0.0	3.1	6.2	9.3	12.4
37.5°	19.4	16.2	12.9	9.7	6.4	3.2	0.0	3.2	6.4	9.7	12.9
40°	20.1	16.6	13.2	9.9	6.6	3.3	0.0	3.3	6.6	9.9	13.2
42.5°	20.6	17.3	14.0	10.7	7.4	4.2	0.9	4.2	7.4	10.7	14.0
45°	21.5	18.0	14.6	11.1	7.7	4.3	0.9	4.3	7.7	11.1	14.6
47.5°	22.1	18.5	15.0	11.4	7.9	4.4	0.9	4.4	7.9	11.4	15.0
50°	22.8	19.2	15.6	11.9	8.3	4.6	0.9	4.6	8.3	11.9	15.6
52.5°	24.0	20.0	16.1	12.3	8.5	4.7	0.9	4.7	8.5	12.3	16.1
55°	24.6	20.3	16.2	12.2	8.4	4.6	0.9	4.6	8.4	12.2	16.2
57.5°	24.4	20.2	16.2	12.3	8.5	4.7	0.9	4.7	8.5	12.3	16.2
60°	24.5	20.4	16.1	12.1	8.3	4.5	0.9	4.5	8.3	12.1	16.1
62.5°	24.1	19.8	15.6	11.7	7.9	4.4	0.9	4.4	7.9	11.7	15.6
65°	23.2	19.0	14.9	11.1	7.5	4.1	0.9	4.1	7.5	11.1	14.9
67.5°	22.1	17.8	14.2	10.7	7.6	4.7	1.8	4.7	7.6	10.7	14.2
70°	20.9	17.0	13.6	10.5	7.4	4.6	1.8	4.6	7.4	10.5	13.6
72.5°	20.0	16.2	12.9	10.1	7.1	4.4	1.8	4.4	7.1	10.1	12.9
75°	19.2	15.4	12.0	9.0	6.1	3.7	1.8	3.7	6.1	9.0	12.0
77.5°	17.1	14.4	11.1	6.7	2.3	0.4	0.0	0.4	2.3	6.7	11.1
80°	14.4	12.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
82.5°	11.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	10.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	10.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	11.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	14.4	12.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
102.5°	17.1	14.4	11.1	6.7	2.3	0.4	0.0	0.4	2.3	6.7	11.1
105°	19.2	15.4	12.0	9.0	6.1	3.7	1.8	3.7	6.1	9.0	12.0
107.5°	20.0	16.2	12.9	10.1	7.1	4.4	1.8	4.4	7.1	10.1	12.9
110°	20.9	17.0	13.6	10.5	7.4	4.6	1.8	4.6	7.4	10.5	13.6



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	22.1	17.8	14.2	10.7	7.6	4.7	1.8	4.7	7.6	10.7	14.2
115°	23.2	19.0	14.9	11.1	7.5	4.1	0.9	4.1	7.5	11.1	14.9
117.5°	24.1	19.8	15.6	11.7	7.9	4.4	0.9	4.4	7.9	11.7	15.6
120°	24.5	20.4	16.1	12.1	8.3	4.5	0.9	4.5	8.3	12.1	16.1
122.5°	24.4	20.2	16.2	12.3	8.5	4.7	0.9	4.7	8.5	12.3	16.2
125°	24.6	20.3	16.2	12.2	8.4	4.6	0.9	4.6	8.4	12.2	16.2
127.5°	24.0	20.0	16.1	12.3	8.5	4.7	0.9	4.7	8.5	12.3	16.1
130°	22.8	19.2	15.6	11.9	8.3	4.6	0.9	4.6	8.3	11.9	15.6
132.5°	22.1	18.5	15.0	11.4	7.9	4.4	0.9	4.4	7.9	11.4	15.0
135°	21.5	18.0	14.6	11.1	7.7	4.3	0.9	4.3	7.7	11.1	14.6
137.5°	20.6	17.3	14.0	10.7	7.4	4.2	0.9	4.2	7.4	10.7	14.0
140°	20.1	16.6	13.2	9.9	6.6	3.3	0.0	3.3	6.6	9.9	13.2
142.5°	19.4	16.2	12.9	9.7	6.4	3.2	0.0	3.2	6.4	9.7	12.9
145°	18.7	15.6	12.4	9.3	6.2	3.1	0.0	3.1	6.2	9.3	12.4
147.5°	18.0	15.0	12.0	9.0	6.0	3.0	0.0	3.0	6.0	9.0	12.0
150°	17.0	14.1	11.3	8.5	5.7	2.8	0.0	2.8	5.7	8.5	11.3
152.5°	15.9	13.3	10.6	8.0	5.3	2.7	0.0	2.7	5.3	8.0	10.6
155°	14.7	12.3	9.8	7.4	4.9	2.5	0.0	2.5	4.9	7.4	9.8
157.5°	13.4	11.2	8.9	6.7	4.5	2.2	0.0	2.2	4.5	6.7	8.9
160°	12.1	10.1	8.1	6.1	4.1	2.0	0.0	2.0	4.1	6.1	8.1
162.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0	1.8	3.5	5.3	7.0
165°	9.0	7.6	6.1	4.6	3.1	1.5	0.0	1.5	3.1	4.6	6.1
167.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0	1.3	2.5	3.8	5.0
170°	6.1	5.1	4.1	3.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1
172.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0	0.8	1.6	2.3	3.1
175°	3.1	2.6	2.1	1.5	1.0	0.5	0.0	0.5	1.0	1.5	2.1
177.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0	0.3	0.5	0.8	1.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.3	1.6	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.6	3.9
5°	2.6	3.1	3.6	4.1	4.5	5.0	5.5	5.9	6.4	6.8	7.2
7.5°	3.9	4.6	5.4	6.1	6.8	7.5	8.2	8.9	9.5	10.2	10.8
10°	5.1	6.1	7.1	8.0	9.0	10.0	10.9	11.8	12.7	13.6	14.4
12.5°	6.3	7.5	8.7	9.9	11.1	12.3	13.5	14.6	15.7	16.8	17.8
15°	7.6	9.0	10.5	11.9	13.3	14.7	16.1	17.4	18.7	20.0	21.2
17.5°	8.8	10.5	12.2	13.9	15.6	17.2	18.8	20.4	21.9	23.4	24.8
20°	10.1	12.1	14.0	15.9	17.8	19.6	21.4	23.1	24.9	26.6	28.3
22.5°	11.2	13.4	15.6	17.8	20.0	22.1	24.3	26.2	28.1	29.9	31.7
25°	12.3	14.7	17.1	19.4	21.8	24.1	26.4	28.8	31.1	33.4	35.5
27.5°	13.3	15.9	18.5	21.2	23.8	26.4	28.8	31.3	33.6	36.1	38.5
30°	14.1	17.0	19.8	22.6	25.4	28.2	31.0	33.8	36.6	39.1	41.6
32.5°	15.0	18.0	21.0	24.0	27.0	29.9	32.9	35.9	38.9	41.8	44.8
35°	15.6	18.7	22.0	25.2	28.4	31.6	34.8	38.0	41.1	44.3	47.4
37.5°	16.2	19.4	22.7	26.0	29.4	32.9	36.5	39.9	43.3	46.4	49.6
40°	16.6	20.1	23.6	27.1	30.5	34.0	37.5	41.3	45.0	48.4	51.7
42.5°	17.3	20.6	24.0	27.6	31.4	35.3	39.0	42.5	46.1	50.0	53.8
45°	18.0	21.5	25.0	28.6	32.2	35.9	39.9	44.0	47.8	51.5	55.5
47.5°	18.5	22.1	25.8	29.5	33.2	37.0	40.9	45.0	49.2	53.4	57.3
50°	19.2	22.8	26.5	30.3	34.2	38.1	42.1	46.3	50.6	55.0	59.4
52.5°	20.0	24.0	27.7	31.4	35.1	39.2	43.3	47.5	51.9	56.6	61.2
55°	20.3	24.6	28.7	32.8	36.6	40.4	44.6	49.0	53.4	58.0	63.0
57.5°	20.2	24.4	28.8	33.5	37.8	42.2	46.2	50.4	55.0	59.7	64.6
60°	20.4	24.5	28.7	33.2	38.3	43.3	47.9	52.2	56.6	61.5	66.8
62.5°	19.8	24.1	28.7	33.3	38.1	43.7	49.2	54.1	58.4	63.0	68.7
65°	19.0	23.2	27.9	33.1	38.3	43.6	49.7	54.6	59.2	64.1	70.1
67.5°	17.8	22.1	27.0	32.3	38.0	43.6	48.0	53.6	59.1	64.8	71.0
70°	17.0	20.9	25.8	31.4	36.7	41.5	46.4	51.8	58.4	64.9	71.8
72.5°	16.2	20.0	24.6	29.4	34.2	39.3	44.6	50.3	57.1	64.6	72.4
75°	15.4	19.2	22.6	26.8	31.9	37.3	43.0	48.9	55.7	64.0	72.7
77.5°	14.4	17.1	20.4	24.6	29.9	35.6	41.6	47.6	54.6	63.4	73.0
80°	12.0	14.4	18.1	22.6	28.2	34.2	40.1	46.5	54.1	63.2	73.6
82.5°	7.8	11.7	15.9	20.8	26.1	31.9	38.1	45.2	53.5	63.3	74.3
85°	3.1	10.1	14.9	19.4	24.2	30.0	36.3	44.1	53.2	63.8	75.3
87.5°	1.0	10.5	15.1	18.9	23.1	28.7	35.0	43.4	53.3	64.8	76.9
90°	0.0	11.7	16.2	18.9	22.5	27.9	34.2	43.2	54.0	66.5	79.1
92.5°	1.0	10.5	15.1	18.9	23.1	28.7	35.0	43.4	53.3	64.8	76.9
95°	3.1	10.1	14.9	19.4	24.2	30.0	36.3	44.1	53.2	63.8	75.3
97.5°	7.8	11.7	15.9	20.8	26.1	31.9	38.1	45.2	53.5	63.3	74.3
100°	12.0	14.4	18.1	22.6	28.2	34.2	40.1	46.5	54.1	63.2	73.6
102.5°	14.4	17.1	20.4	24.6	29.9	35.6	41.6	47.6	54.6	63.4	73.0
105°	15.4	19.2	22.6	26.8	31.9	37.3	43.0	48.9	55.7	64.0	72.7
107.5°	16.2	20.0	24.6	29.4	34.2	39.3	44.6	50.3	57.1	64.6	72.4
110°	17.0	20.9	25.8	31.4	36.7	41.5	46.4	51.8	58.4	64.9	71.8



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-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°	17.8	22.1	27.0	32.3	38.0	43.6	48.0	53.6	59.1	64.8	71.0
115°	19.0	23.2	27.9	33.1	38.3	43.6	49.7	54.6	59.2	64.1	70.1
117.5°	19.8	24.1	28.7	33.3	38.1	43.7	49.2	54.1	58.4	63.0	68.7
120°	20.4	24.5	28.7	33.2	38.3	43.3	47.9	52.2	56.6	61.5	66.8
122.5°	20.2	24.4	28.8	33.5	37.8	42.2	46.2	50.4	55.0	59.7	64.6
125°	20.3	24.6	28.7	32.8	36.6	40.4	44.6	49.0	53.4	58.0	63.0
127.5°	20.0	24.0	27.7	31.4	35.1	39.2	43.3	47.5	51.9	56.6	61.2
130°	19.2	22.8	26.5	30.3	34.2	38.1	42.1	46.3	50.6	55.0	59.4
132.5°	18.5	22.1	25.8	29.5	33.2	37.0	40.9	45.0	49.2	53.4	57.3
135°	18.0	21.5	25.0	28.6	32.2	35.9	39.9	44.0	47.8	51.5	55.5
137.5°	17.3	20.6	24.0	27.6	31.4	35.3	39.0	42.5	46.1	50.0	53.8
140°	16.6	20.1	23.6	27.1	30.5	34.0	37.5	41.3	45.0	48.4	51.7
142.5°	16.2	19.4	22.7	26.0	29.4	32.9	36.5	39.9	43.3	46.4	49.6
145°	15.6	18.7	22.0	25.2	28.4	31.6	34.8	38.0	41.1	44.3	47.4
147.5°	15.0	18.0	21.0	24.0	27.0	29.9	32.9	35.9	38.9	41.8	44.8
150°	14.1	17.0	19.8	22.6	25.4	28.2	31.0	33.8	36.6	39.1	41.6
152.5°	13.3	15.9	18.5	21.2	23.8	26.4	28.8	31.3	33.6	36.1	38.5
155°	12.3	14.7	17.1	19.4	21.8	24.1	26.4	28.8	31.1	33.4	35.5
157.5°	11.2	13.4	15.6	17.8	20.0	22.1	24.3	26.2	28.1	29.9	31.7
160°	10.1	12.1	14.0	15.9	17.8	19.6	21.4	23.1	24.9	26.6	28.3
162.5°	8.8	10.5	12.2	13.9	15.6	17.2	18.8	20.4	21.9	23.4	24.8
165°	7.6	9.0	10.5	11.9	13.3	14.7	16.1	17.4	18.7	20.0	21.2
167.5°	6.3	7.5	8.7	9.9	11.1	12.3	13.5	14.6	15.7	16.8	17.8
170°	5.1	6.1	7.1	8.0	9.0	10.0	10.9	11.8	12.7	13.6	14.4
172.5°	3.9	4.6	5.4	6.1	6.8	7.5	8.2	8.9	9.5	10.2	10.8
175°	2.6	3.1	3.6	4.1	4.5	5.0	5.5	5.9	6.4	6.8	7.2
177.5°	1.3	1.6	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.6	3.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.0
5°	7.7	8.1	8.4	8.8	9.2	9.5	9.8	10.1	10.4	10.7	11.0
7.5°	11.4	12.0	12.6	13.1	13.6	14.1	14.6	15.1	15.5	15.9	16.3
10°	15.2	16.0	16.8	17.5	18.2	18.8	19.4	20.0	20.5	21.0	21.5
12.5°	18.9	19.9	20.8	21.8	22.7	23.5	24.3	25.0	25.6	26.3	26.8
15°	22.4	23.6	24.8	25.9	27.0	28.0	29.0	30.0	30.8	31.6	32.2
17.5°	26.1	27.4	28.7	30.0	31.3	32.5	33.6	34.7	35.8	36.8	37.6
20°	30.0	31.5	32.9	34.2	35.5	36.8	38.2	39.4	40.6	41.8	42.8
22.5°	33.5	35.3	37.0	38.7	40.1	41.5	42.7	44.1	45.5	46.7	48.0
25°	37.4	39.2	40.9	42.8	44.6	46.3	47.7	48.9	50.2	51.7	54.6
27.5°	41.0	43.4	45.3	47.0	48.8	50.7	53.8	57.0	60.4	63.9	67.7
30°	44.0	46.6	49.2	52.1	55.0	58.1	61.9	66.1	70.4	75.0	79.7
32.5°	47.5	50.2	53.1	56.7	60.6	64.4	68.5	73.3	78.7	84.4	90.3
35°	50.5	53.8	56.9	60.2	64.4	69.1	74.1	79.3	85.5	92.3	99.5
37.5°	53.0	56.4	60.0	63.7	67.5	72.4	78.1	84.3	91.0	98.9	107.3
40°	55.1	58.8	62.5	66.5	70.8	75.2	81.1	88.0	95.7	104.2	114.0
42.5°	57.3	60.9	64.9	69.0	73.5	78.3	83.6	90.9	99.3	108.9	119.7
45°	59.5	63.3	67.0	71.4	76.0	81.0	86.7	93.0	102.3	112.7	124.3
47.5°	61.4	65.6	69.6	73.6	78.5	83.7	89.3	96.0	104.7	115.6	128.6
50°	63.5	67.8	72.1	76.3	80.8	86.2	92.1	99.0	107.3	118.8	131.2
52.5°	65.7	70.1	74.6	79.1	83.5	90.9	98.4	105.5	113.3	122.9	134.2
55°	67.9	72.6	77.6	84.8	92.4	99.8	106.9	113.5	120.2	127.8	138.3
57.5°	70.2	76.6	83.9	92.0	101.0	109.1	116.3	122.4	127.8	134.4	143.6
60°	73.3	80.9	88.9	98.1	108.3	118.3	126.4	132.1	136.8	142.1	149.5
62.5°	75.6	84.0	93.2	103.3	114.6	127.0	136.2	142.3	146.5	150.4	156.1
65°	77.4	86.4	96.6	107.7	120.3	134.0	145.7	153.1	156.8	159.3	163.3
67.5°	78.6	88.2	99.4	111.7	125.3	140.5	155.2	164.5	167.7	169.0	171.9
70°	79.8	89.7	101.8	115.2	129.9	146.4	164.3	175.2	178.7	178.6	178.8
72.5°	80.8	90.8	103.9	118.4	134.1	150.6	167.1	177.1	179.6	178.7	178.9
75°	81.7	92.2	105.6	120.2	135.6	151.3	166.3	176.3	179.3	178.6	178.9
77.5°	83.2	94.4	107.5	122.1	137.6	153.0	166.7	176.2	179.0	178.4	178.8
80°	84.8	96.7	110.0	124.5	140.0	155.6	168.2	176.7	178.8	178.1	178.7
82.5°	86.6	99.3	113.0	127.6	143.1	159.0	170.5	177.6	178.7	177.7	178.5
85°	88.6	102.2	116.7	131.2	146.6	163.1	173.5	178.8	178.5	177.2	178.3
87.5°	91.2	105.6	121.0	135.5	150.8	167.7	177.0	180.2	178.3	176.8	178.2
90°	94.4	109.7	125.9	140.3	155.6	172.7	180.7	181.6	178.1	176.3	178.1
92.5°	91.2	105.6	121.0	135.5	150.8	167.7	177.0	180.2	178.3	176.8	178.2
95°	88.6	102.2	116.7	131.2	146.6	163.1	173.5	178.8	178.5	177.2	178.3
97.5°	86.6	99.3	113.0	127.6	143.1	159.0	170.5	177.6	178.7	177.7	178.5
100°	84.8	96.7	110.0	124.5	140.0	155.6	168.2	176.7	178.8	178.1	178.7
102.5°	83.2	94.4	107.5	122.1	137.6	153.0	166.7	176.2	179.0	178.4	178.8
105°	81.7	92.2	105.6	120.2	135.6	151.3	166.3	176.3	179.3	178.6	178.9
107.5°	80.8	90.8	103.9	118.4	134.1	150.6	167.1	177.1	179.6	178.7	178.9
110°	79.8	89.7	101.8	115.2	129.9	146.4	164.3	175.2	178.7	178.6	178.8



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	78.6	88.2	99.4	111.7	125.3	140.5	155.2	164.5	167.7	169.0	171.9
115°	77.4	86.4	96.6	107.7	120.3	134.0	145.7	153.1	156.8	159.3	163.3
117.5°	75.6	84.0	93.2	103.3	114.6	127.0	136.2	142.3	146.5	150.4	156.1
120°	73.3	80.9	88.9	98.1	108.3	118.3	126.4	132.1	136.8	142.1	149.5
122.5°	70.2	76.6	83.9	92.0	101.0	109.1	116.3	122.4	127.8	134.4	143.6
125°	67.9	72.6	77.6	84.8	92.4	99.8	106.9	113.5	120.2	127.8	138.3
127.5°	65.7	70.1	74.6	79.1	83.5	90.9	98.4	105.5	113.3	122.9	134.2
130°	63.5	67.8	72.1	76.3	80.8	86.2	92.1	99.0	107.3	118.8	131.2
132.5°	61.4	65.6	69.6	73.6	78.5	83.7	89.3	96.0	104.7	115.6	128.6
135°	59.5	63.3	67.0	71.4	76.0	81.0	86.7	93.0	102.3	112.7	124.3
137.5°	57.3	60.9	64.9	69.0	73.5	78.3	83.6	90.9	99.3	108.9	119.7
140°	55.1	58.8	62.5	66.5	70.8	75.2	81.1	88.0	95.7	104.2	114.0
142.5°	53.0	56.4	60.0	63.7	67.5	72.4	78.1	84.3	91.0	98.9	107.3
145°	50.5	53.8	56.9	60.2	64.4	69.1	74.1	79.3	85.5	92.3	99.5
147.5°	47.5	50.2	53.1	56.7	60.6	64.4	68.5	73.3	78.7	84.4	90.3
150°	44.0	46.6	49.2	52.1	55.0	58.1	61.9	66.1	70.4	75.0	79.7
152.5°	41.0	43.4	45.3	47.0	48.8	50.7	53.8	57.0	60.4	63.9	67.7
155°	37.4	39.2	40.9	42.8	44.6	46.3	47.7	48.9	50.2	51.7	54.6
157.5°	33.5	35.3	37.0	38.7	40.1	41.5	42.7	44.1	45.5	46.7	48.0
160°	30.0	31.5	32.9	34.2	35.5	36.8	38.2	39.4	40.6	41.8	42.8
162.5°	26.1	27.4	28.7	30.0	31.3	32.5	33.6	34.7	35.8	36.8	37.6
165°	22.4	23.6	24.8	25.9	27.0	28.0	29.0	30.0	30.8	31.6	32.2
167.5°	18.9	19.9	20.8	21.8	22.7	23.5	24.3	25.0	25.6	26.3	26.8
170°	15.2	16.0	16.8	17.5	18.2	18.8	19.4	20.0	20.5	21.0	21.5
172.5°	11.4	12.0	12.6	13.1	13.6	14.1	14.6	15.1	15.5	15.9	16.3
175°	7.7	8.1	8.4	8.8	9.2	9.5	9.8	10.1	10.4	10.7	11.0
177.5°	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.8
5°	11.3	11.6	11.9	12.1	12.3	12.5	12.7	12.9	13.0	13.1	14.7
7.5°	16.6	16.9	17.3	17.7	18.0	18.3	18.6	18.8	19.0	19.2	21.6
10°	22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.1	25.3	28.6
12.5°	27.4	27.9	28.4	28.9	29.3	29.8	30.2	30.7	31.1	31.4	35.4
15°	32.8	33.4	34.0	34.5	35.0	35.5	36.0	36.6	37.1	37.5	42.3
17.5°	38.3	38.9	39.5	40.1	40.7	41.3	41.8	42.5	43.1	43.6	49.2
20°	43.9	44.6	45.2	45.7	46.4	47.0	47.6	48.4	49.1	49.7	56.1
22.5°	49.1	50.2	50.9	51.5	52.1	52.8	53.5	54.2	55.1	55.8	62.9
25°	57.6	60.5	63.2	65.6	67.9	70.2	72.4	74.5	76.4	78.0	85.9
27.5°	71.6	75.3	79.0	82.4	85.6	88.8	92.0	95.0	97.7	100.2	109.0
30°	84.5	89.3	93.9	98.4	102.7	106.9	111.2	115.3	119.0	122.3	132.1
32.5°	96.4	102.3	108.1	113.6	119.1	124.6	130.0	135.3	140.1	144.5	155.3
35°	107.1	114.4	121.5	128.2	135.0	141.8	148.5	155.1	161.1	166.7	178.4
37.5°	116.5	125.6	134.1	142.3	150.5	158.4	166.6	174.7	182.1	188.9	201.6
40°	124.6	135.8	145.9	155.8	165.0	174.7	184.4	194.0	202.9	211.0	224.7
42.5°	131.6	144.6	157.1	169.1	179.5	190.5	202.3	213.2	223.7	233.2	247.9
45°	137.9	152.5	167.7	180.9	193.5	205.9	219.1	232.2	244.4	255.4	271.1
47.5°	143.0	157.7	173.1	186.3	198.7	211.1	224.9	239.4	253.6	266.8	284.6
50°	144.5	158.7	173.7	187.5	200.6	214.0	229.3	245.8	262.5	278.2	298.2
52.5°	146.9	160.7	175.0	189.0	202.3	217.0	233.6	252.1	271.4	289.6	311.8
55°	150.5	163.4	176.9	190.8	204.2	219.9	237.7	258.1	280.1	301.0	325.5
57.5°	154.6	166.8	179.5	192.8	206.4	222.7	241.8	264.0	288.8	312.3	339.2
60°	159.3	170.8	183.2	195.3	208.7	225.4	245.7	269.7	297.4	323.7	353.0
62.5°	164.6	175.5	186.7	198.3	211.3	228.1	249.6	275.4	305.9	335.1	366.8
65°	170.8	180.8	191.0	201.7	214.0	230.8	253.5	280.9	314.4	346.5	380.6
67.5°	177.8	186.4	195.9	205.5	216.9	233.5	257.3	286.4	322.9	357.9	394.4
70°	182.2	188.8	196.8	205.2	215.7	231.2	254.4	283.2	320.3	357.2	397.1
72.5°	182.0	187.8	195.3	203.3	213.5	228.4	251.1	279.7	317.6	356.5	399.8
75°	182.0	187.1	194.0	201.5	211.4	225.9	248.0	276.5	315.0	355.8	404.1
77.5°	182.1	186.7	192.9	199.9	209.6	223.6	245.0	273.3	312.4	355.1	406.3
80°	182.3	186.4	192.0	198.3	207.8	221.5	242.3	270.4	309.9	354.4	408.5
82.5°	182.7	186.4	191.3	196.9	206.3	219.6	239.7	267.5	307.4	353.7	410.7
85°	183.1	186.5	190.7	195.6	204.8	217.8	237.3	264.8	305.0	353.0	412.9
87.5°	183.7	186.7	190.1	194.4	203.5	216.3	235.0	262.3	302.6	352.3	415.1
90°	184.3	187.0	189.7	193.3	202.3	214.9	232.9	259.9	300.4	351.6	417.3
92.5°	183.7	186.7	190.1	194.4	203.5	216.3	235.0	262.3	302.6	352.3	415.1
95°	183.1	186.5	190.7	195.6	204.8	217.8	237.3	264.8	305.0	353.0	412.9
97.5°	182.7	186.4	191.3	196.9	206.3	219.6	239.7	267.5	307.4	353.7	410.7
100°	182.3	186.4	192.0	198.3	207.8	221.5	242.3	270.4	309.9	354.4	408.5
102.5°	182.1	186.7	192.9	199.9	209.6	223.6	245.0	273.3	312.4	355.1	406.3
105°	182.0	187.1	194.0	201.5	211.4	225.9	248.0	276.5	315.0	355.8	404.1
107.5°	182.0	187.8	195.3	203.3	213.5	228.4	251.1	279.7	317.6	356.5	399.8
110°	182.2	188.8	196.8	205.2	215.7	231.2	254.4	283.2	320.3	357.2	397.1





TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-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°	177.8	186.4	195.9	205.5	216.9	233.5	257.3	286.4	322.9	357.9	394.4
115°	170.8	180.8	191.0	201.7	214.0	230.8	253.5	280.9	314.4	346.5	380.6
117.5°	164.6	175.5	186.7	198.3	211.3	228.1	249.6	275.4	305.9	335.1	366.8
120°	159.3	170.8	183.2	195.3	208.7	225.4	245.7	269.7	297.4	323.7	353.0
122.5°	154.6	166.8	179.5	192.8	206.4	222.7	241.8	264.0	288.8	312.3	339.2
125°	150.5	163.4	176.9	190.8	204.2	219.9	237.7	258.1	280.1	301.0	325.5
127.5°	146.9	160.7	175.0	189.0	202.3	217.0	233.6	252.1	271.4	289.6	311.8
130°	144.5	158.7	173.7	187.5	200.6	214.0	229.3	245.8	262.5	278.2	298.2
132.5°	143.0	157.7	173.1	186.3	198.7	211.1	224.9	239.4	253.6	266.8	284.6
135°	137.9	152.5	167.7	180.9	193.5	205.9	219.1	232.2	244.4	255.4	271.1
137.5°	131.6	144.6	157.1	169.1	179.5	190.5	202.3	213.2	223.7	233.2	247.9
140°	124.6	135.8	145.9	155.8	165.0	174.7	184.4	194.0	202.9	211.0	224.7
142.5°	116.5	125.6	134.1	142.3	150.5	158.4	166.6	174.7	182.1	188.9	201.6
145°	107.1	114.4	121.5	128.2	135.0	141.8	148.5	155.1	161.1	166.7	178.4
147.5°	96.4	102.3	108.1	113.6	119.1	124.6	130.0	135.3	140.1	144.5	155.3
150°	84.5	89.3	93.9	98.4	102.7	106.9	111.2	115.3	119.0	122.3	132.1
152.5°	71.6	75.3	79.0	82.4	85.6	88.8	92.0	95.0	97.7	100.2	109.0
155°	57.6	60.5	63.2	65.6	67.9	70.2	72.4	74.5	76.4	78.0	85.9
157.5°	49.1	50.2	50.9	51.5	52.1	52.8	53.5	54.2	55.1	55.8	62.9
160°	43.9	44.6	45.2	45.7	46.4	47.0	47.6	48.4	49.1	49.7	56.1
162.5°	38.3	38.9	39.5	40.1	40.7	41.3	41.8	42.5	43.1	43.6	49.2
165°	32.8	33.4	34.0	34.5	35.0	35.5	36.0	36.6	37.1	37.5	42.3
167.5°	27.4	27.9	28.4	28.9	29.3	29.8	30.2	30.7	31.1	31.4	35.4
170°	22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.1	25.3	28.6
172.5°	16.6	16.9	17.3	17.7	18.0	18.3	18.6	18.8	19.0	19.2	21.6
175°	11.3	11.6	11.9	12.1	12.3	12.5	12.7	12.9	13.0	13.1	14.7
177.5°	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	8.6	9.4	10.2	10.9	11.7	12.4	13.1	13.8	14.4	15.0	15.6
5°	16.3	17.9	19.5	21.0	22.4	23.9	25.3	26.6	27.9	29.1	30.4
7.5°	24.1	26.4	28.7	31.0	33.2	35.3	37.6	40.4	43.1	45.8	48.3
10°	31.7	34.9	38.0	41.0	44.1	48.0	51.9	55.6	59.3	62.8	66.4
12.5°	39.4	43.4	47.2	51.4	56.4	61.3	66.0	70.7	75.2	79.8	84.2
15°	47.1	51.8	56.6	62.6	68.5	74.3	80.0	85.6	91.1	96.4	102.3
17.5°	54.8	60.2	66.7	73.7	80.5	87.2	93.7	100.2	106.4	111.9	117.0
20°	62.4	68.7	76.7	84.6	92.3	99.7	107.0	114.2	120.1	125.9	131.6
22.5°	70.0	77.7	86.6	95.3	103.7	111.9	119.9	126.5	132.9	139.3	145.4
25°	93.4	101.9	110.7	118.9	126.2	133.2	138.5	143.2	147.5	151.5	158.0
27.5°	117.5	127.2	136.8	145.2	152.8	159.2	164.1	168.6	172.7	176.6	179.2
30°	141.5	152.4	162.9	171.0	179.4	184.0	188.7	192.9	196.9	199.8	202.2
32.5°	165.8	177.5	188.0	196.4	203.3	207.9	212.3	216.3	219.5	221.9	226.2
35°	190.1	202.5	212.9	221.4	226.9	231.4	235.1	238.6	240.9	244.2	250.4
37.5°	214.3	227.4	237.5	245.8	249.7	253.5	257.0	259.6	261.8	266.9	273.3
40°	238.4	252.3	261.7	268.6	271.9	275.2	278.1	279.7	282.9	287.9	296.8
42.5°	262.5	276.9	285.6	290.9	293.5	296.2	298.1	299.2	303.1	309.4	318.6
45°	286.5	300.7	309.2	312.7	314.6	316.6	317.4	318.8	321.8	329.9	340.7
47.5°	303.4	320.8	333.3	339.0	343.2	345.4	344.0	340.7	341.2	349.5	362.4
50°	320.3	341.3	358.2	368.7	379.1	387.6	393.1	397.7	400.0	399.5	398.9
52.5°	337.6	362.7	384.1	400.3	417.7	433.2	447.4	460.1	467.8	465.0	461.7
55°	355.2	384.9	411.3	433.9	458.7	482.2	506.1	526.0	536.2	526.8	520.4
57.5°	373.1	407.7	439.7	469.6	502.1	534.2	568.8	594.4	599.3	585.6	575.1
60°	391.2	431.2	469.1	506.9	547.9	589.2	635.1	665.3	659.5	641.5	626.1
62.5°	409.5	455.2	499.4	545.5	595.6	648.0	703.3	738.3	717.2	694.4	673.6
65°	427.9	479.6	530.4	585.4	645.1	709.2	771.3	803.7	772.7	744.6	717.9
67.5°	446.5	504.3	562.1	626.1	695.9	772.2	840.6	863.1	826.6	792.4	759.3
70°	450.0	509.3	569.7	639.9	716.9	802.8	878.6	899.3	869.2	836.0	798.5
72.5°	452.9	512.3	573.4	646.7	725.2	811.7	884.8	901.4	880.7	850.3	813.5
75°	455.4	514.9	576.6	652.9	732.5	818.8	890.2	907.0	895.1	864.9	825.9
77.5°	457.7	517.1	579.3	658.5	738.8	824.2	894.7	915.6	911.8	880.1	838.4
80°	461.4	518.9	581.5	663.5	744.1	828.1	898.2	926.3	930.4	895.8	851.3
82.5°	462.5	521.9	585.4	667.8	748.3	830.5	900.7	938.6	950.4	912.3	864.8
85°	463.6	522.1	585.4	673.1	753.5	833.8	904.5	953.5	971.3	929.5	879.1
87.5°	464.7	522.3	585.4	674.7	754.5	831.9	903.2	965.5	992.8	947.1	893.7
90°	465.8	522.5	585.4	676.2	755.4	830.0	901.9	977.5	1013.5	966.7	910.9
92.5°	464.7	522.3	585.4	674.7	754.5	831.9	903.2	965.5	992.8	947.1	893.7
95°	463.6	522.1	585.4	673.1	753.5	833.8	904.5	953.5	971.3	929.5	879.1
97.5°	462.5	521.9	585.4	667.8	748.3	830.5	900.7	938.6	950.4	912.3	864.8
100°	461.4	518.9	581.5	663.5	744.1	828.1	898.2	926.3	930.4	895.8	851.3
102.5°	457.7	517.1	579.3	658.5	738.8	824.2	894.7	915.6	911.8	880.1	838.4
105°	455.4	514.9	576.6	652.9	732.5	818.8	890.2	907.0	895.1	864.9	825.9
107.5°	452.9	512.3	573.4	646.7	725.2	811.7	884.8	901.4	880.7	850.3	813.5
110°	450.0	509.3	569.7	639.9	716.9	802.8	878.6	899.3	869.2	836.0	798.5



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	446.5	504.3	562.1	626.1	695.9	772.2	840.6	863.1	826.6	792.4	759.3
115°	427.9	479.6	530.4	585.4	645.1	709.2	771.3	803.7	772.7	744.6	717.9
117.5°	409.5	455.2	499.4	545.5	595.6	648.0	703.3	738.3	717.2	694.4	673.6
120°	391.2	431.2	469.1	506.9	547.9	589.2	635.1	665.3	659.5	641.5	626.1
122.5°	373.1	407.7	439.7	469.6	502.1	534.2	568.8	594.4	599.3	585.6	575.1
125°	355.2	384.9	411.3	433.9	458.7	482.2	506.1	526.0	536.2	526.8	520.4
127.5°	337.6	362.7	384.1	400.3	417.7	433.2	447.4	460.1	467.8	465.0	461.7
130°	320.3	341.3	358.2	368.7	379.1	387.6	393.1	397.7	400.0	399.5	398.9
132.5°	303.4	320.8	333.3	339.0	343.2	345.4	344.0	340.7	341.2	349.5	362.4
135°	286.5	300.7	309.2	312.7	314.6	316.6	317.4	318.8	321.8	329.9	340.7
137.5°	262.5	276.9	285.6	290.9	293.5	296.2	298.1	299.2	303.1	309.4	318.6
140°	238.4	252.3	261.7	268.6	271.9	275.2	278.1	279.7	282.9	287.9	296.8
142.5°	214.3	227.4	237.5	245.8	249.7	253.5	257.0	259.6	261.8	266.9	273.3
145°	190.1	202.5	212.9	221.4	226.9	231.4	235.1	238.6	240.9	244.2	250.4
147.5°	165.8	177.5	188.0	196.4	203.3	207.9	212.3	216.3	219.5	221.9	226.2
150°	141.5	152.4	162.9	171.0	179.4	184.0	188.7	192.9	196.9	199.8	202.2
152.5°	117.5	127.2	136.8	145.2	152.8	159.2	164.1	168.6	172.7	176.6	179.2
155°	93.4	101.9	110.7	118.9	126.2	133.2	138.5	143.2	147.5	151.5	158.0
157.5°	70.0	77.7	86.6	95.3	103.7	111.9	119.9	126.5	132.9	139.3	145.4
160°	62.4	68.7	76.7	84.6	92.3	99.7	107.0	114.2	120.1	125.9	131.6
162.5°	54.8	60.2	66.7	73.7	80.5	87.2	93.7	100.2	106.4	111.9	117.0
165°	47.1	51.8	56.6	62.6	68.5	74.3	80.0	85.6	91.1	96.4	102.3
167.5°	39.4	43.4	47.2	51.4	56.4	61.3	66.0	70.7	75.2	79.8	84.2
170°	31.7	34.9	38.0	41.0	44.1	48.0	51.9	55.6	59.3	62.8	66.4
172.5°	24.1	26.4	28.7	31.0	33.2	35.3	37.6	40.4	43.1	45.8	48.3
175°	16.3	17.9	19.5	21.0	22.4	23.9	25.3	26.6	27.9	29.1	30.4
177.5°	8.6	9.4	10.2	10.9	11.7	12.4	13.1	13.8	14.4	15.0	15.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232081  
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**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	16.2	16.7	17.2	17.7	18.2	18.6	18.9	19.3	19.6	19.9	20.1
5°	32.0	33.6	35.1	36.5	37.8	39.1	40.3	41.4	42.4	43.3	44.1
7.5°	50.8	53.2	55.4	57.5	59.6	61.7	63.6	65.4	67.1	68.7	70.1
10°	69.6	72.9	76.1	79.2	82.1	84.8	87.4	89.7	91.7	93.5	95.1
12.5°	88.4	92.5	96.4	99.7	102.8	105.8	108.6	111.3	113.8	116.4	118.9
15°	106.0	110.2	114.3	118.2	122.0	126.0	129.9	133.6	137.2	140.6	143.9
17.5°	121.9	127.3	131.7	136.6	141.4	146.1	150.6	154.9	159.1	163.3	167.3
20°	137.3	142.9	148.5	153.9	159.0	164.0	169.1	174.4	179.9	185.1	189.9
22.5°	151.6	157.6	163.1	168.6	174.3	181.6	188.6	195.3	201.3	206.2	210.3
25°	163.9	169.6	176.1	184.1	192.8	201.1	209.1	216.3	222.4	227.9	232.9
27.5°	181.5	185.2	191.9	201.9	212.8	223.1	233.3	240.8	248.4	254.8	260.5
30°	206.7	213.3	220.4	229.6	238.6	248.7	259.6	269.3	278.5	286.3	293.6
32.5°	232.7	240.5	250.2	260.0	270.6	280.8	291.6	302.2	312.0	319.9	326.9
35°	258.0	267.8	278.4	290.0	301.6	313.8	325.6	335.7	345.2	355.8	367.4
37.5°	283.2	294.0	306.4	319.2	332.5	345.2	356.8	368.6	382.5	397.4	410.4
40°	307.0	320.1	333.6	347.9	361.7	374.7	389.4	405.0	421.4	438.2	455.7
42.5°	331.4	345.1	360.3	375.2	389.6	406.2	423.2	442.4	462.9	483.9	506.3
45°	354.5	370.0	385.7	401.5	419.1	437.4	458.6	480.4	505.4	532.8	565.6
47.5°	377.4	393.5	410.5	428.5	447.9	470.4	494.1	520.8	552.0	587.1	631.6
50°	401.7	416.7	434.9	455.1	477.9	502.5	530.5	563.3	601.6	650.7	704.1
52.5°	461.2	463.7	470.1	481.7	508.2	535.3	567.7	606.3	658.8	717.5	784.4
55°	516.4	515.6	519.7	529.7	546.3	568.5	603.4	656.8	717.2	785.4	865.4
57.5°	566.9	562.6	564.1	572.6	589.0	615.2	655.0	707.5	773.9	855.9	946.6
60°	613.1	604.3	603.9	612.3	630.6	660.3	710.4	769.1	840.1	924.0	1031.6
62.5°	655.7	643.1	639.2	647.0	669.4	709.8	763.6	828.1	912.1	1010.2	1124.8
65°	694.3	678.2	673.2	682.0	707.0	753.5	812.5	891.3	985.6	1094.9	1225.9
67.5°	729.4	709.3	703.3	715.2	746.9	796.3	861.1	948.5	1053.5	1179.5	1328.2
70°	762.8	737.8	730.0	745.2	782.0	834.9	910.7	1006.8	1120.1	1254.8	1421.5
72.5°	781.7	762.2	758.4	775.4	813.3	871.0	954.3	1057.3	1178.7	1324.9	1485.2
75°	795.9	782.2	784.9	806.8	847.9	908.6	996.7	1101.8	1225.5	1379.5	1535.7
77.5°	811.6	803.3	810.6	836.2	880.2	947.8	1039.7	1147.0	1274.0	1421.5	1576.9
80°	828.4	825.5	835.5	863.7	909.5	982.2	1076.1	1183.0	1313.4	1458.5	1627.7
82.5°	846.2	848.3	859.7	889.5	936.1	1012.1	1106.4	1210.2	1341.9	1485.1	1662.5
85°	864.8	871.5	883.2	913.6	960.2	1037.7	1130.9	1229.6	1360.3	1501.4	1681.6
87.5°	<i>883.9</i>	<i>895.1</i>	<i>906.5</i>	<i>936.8</i>	<i>983.0</i>	<i>1061.1</i>	<i>1152.2</i>	<i>1244.6</i>	<i>1373.1</i>	<i>1512.3</i>	<i>1692.1</i>
90°	903.7	918.1	928.9	957.7	1001.8	1077.3	1164.5	1249.1	1370.5	1505.3	1677.1
92.5°	883.9	895.1	906.5	936.8	983.0	1061.1	1152.2	1244.6	1373.1	1512.3	1692.1
95°	864.8	871.5	883.2	913.6	960.2	1037.7	1130.9	1229.6	1360.3	1501.4	1681.6
97.5°	846.2	848.3	859.7	889.5	936.1	1012.1	1106.4	1210.2	1341.9	1485.1	1662.5
100°	828.4	825.5	835.5	863.7	909.5	982.2	1076.1	1183.0	1313.4	1458.5	1627.7
102.5°	811.6	803.3	810.6	836.2	880.2	947.8	1039.7	1147.0	1274.0	1421.5	1576.9
105°	795.9	782.2	784.9	806.8	847.9	908.6	996.7	1101.8	1225.5	1379.5	1535.7
107.5°	781.7	762.2	758.4	775.4	813.3	871.0	954.3	1057.3	1178.7	1324.9	1485.2
110°	762.8	737.8	730.0	745.2	782.0	834.9	910.7	1006.8	1120.1	1254.8	1421.5



TEST NUMBER: P232081

CATALOG NUMBER: FVS4WM-3-LD4-35-2STD-PA187-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	729.4	709.3	703.3	715.2	746.9	796.3	861.1	948.5	1053.5	1179.5	1328.2
115°	694.3	678.2	673.2	682.0	707.0	753.5	812.5	891.3	985.6	1094.9	1225.9
117.5°	655.7	643.1	639.2	647.0	669.4	709.8	763.6	828.1	912.1	1010.2	1124.8
120°	613.1	604.3	603.9	612.3	630.6	660.3	710.4	769.1	840.1	924.0	1031.6
122.5°	566.9	562.6	564.1	572.6	589.0	615.2	655.0	707.5	773.9	855.9	946.6
125°	516.4	515.6	519.7	529.7	546.3	568.5	603.4	656.8	717.2	785.4	865.4
127.5°	461.2	463.7	470.1	481.7	508.2	535.3	567.7	606.3	658.8	717.5	784.4
130°	401.7	416.7	434.9	455.1	477.9	502.5	530.5	563.3	601.6	650.7	704.1
132.5°	377.4	393.5	410.5	428.5	447.9	470.4	494.1	520.8	552.0	587.1	631.6
135°	354.5	370.0	385.7	401.5	419.1	437.4	458.6	480.4	505.4	532.8	565.6
137.5°	331.4	345.1	360.3	375.2	389.6	406.2	423.2	442.4	462.9	483.9	506.3
140°	307.0	320.1	333.6	347.9	361.7	374.7	389.4	405.0	421.4	438.2	455.7
142.5°	283.2	294.0	306.4	319.2	332.5	345.2	356.8	368.6	382.5	397.4	410.4
145°	258.0	267.8	278.4	290.0	301.6	313.8	325.6	335.7	345.2	355.8	367.4
147.5°	232.7	240.5	250.2	260.0	270.6	280.8	291.6	302.2	312.0	319.9	326.9
150°	206.7	213.3	220.4	229.6	238.6	248.7	259.6	269.3	278.5	286.3	293.6
152.5°	181.5	185.2	191.9	201.9	212.8	223.1	233.3	240.8	248.4	254.8	260.5
155°	163.9	169.6	176.1	184.1	192.8	201.1	209.1	216.3	222.4	227.9	232.9
157.5°	151.6	157.6	163.1	168.6	174.3	181.6	188.6	195.3	201.3	206.2	210.3
160°	137.3	142.9	148.5	153.9	159.0	164.0	169.1	174.4	179.9	185.1	189.9
162.5°	121.9	127.3	131.7	136.6	141.4	146.1	150.6	154.9	159.1	163.3	167.3
165°	106.0	110.2	114.3	118.2	122.0	126.0	129.9	133.6	137.2	140.6	143.9
167.5°	88.4	92.5	96.4	99.7	102.8	105.8	108.6	111.3	113.8	116.4	118.9
170°	69.6	72.9	76.1	79.2	82.1	84.8	87.4	89.7	91.7	93.5	95.1
172.5°	50.8	53.2	55.4	57.5	59.6	61.7	63.6	65.4	67.1	68.7	70.1
175°	32.0	33.6	35.1	36.5	37.8	39.1	40.3	41.4	42.4	43.3	44.1
177.5°	16.2	16.7	17.2	17.7	18.2	18.6	18.9	19.3	19.6	19.9	20.1
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	20.3	20.5	20.6	20.7	20.7	20.8	21.4	21.1	20.9	20.6	20.3
5°	44.8	45.5	46.0	46.5	46.8	47.0	47.2	47.2	48.0	47.4	46.9
7.5°	71.4	72.5	73.5	74.3	75.0	75.5	75.8	76.0	76.1	76.7	76.0
10°	96.6	98.0	99.1	100.1	100.9	101.6	102.0	102.3	102.4	103.1	102.3
12.5°	121.3	123.5	125.5	127.3	128.9	130.2	131.3	132.1	132.7	133.0	133.6
15°	146.9	149.9	152.6	155.1	157.4	159.4	161.2	162.7	164.0	164.9	166.2
17.5°	171.2	174.7	177.9	180.8	183.3	185.5	187.3	188.7	189.8	190.5	191.6
20°	194.4	197.9	200.0	201.6	202.7	203.2	203.3	203.0	202.3	201.3	200.3
22.5°	213.5	216.0	218.3	220.0	221.1	221.5	221.3	220.4	219.1	217.3	215.5
25°	237.0	240.1	242.3	244.3	245.4	245.7	245.1	243.7	241.7	238.9	235.6
27.5°	265.5	269.4	272.0	274.1	275.7	276.5	276.4	275.5	273.8	271.3	267.9
30°	298.2	302.8	306.3	309.0	314.6	319.2	322.8	325.3	326.7	326.9	325.7
32.5°	334.0	343.2	351.6	359.3	367.6	376.0	383.4	389.7	394.6	398.0	399.7
35°	378.5	390.8	403.5	415.6	427.7	441.2	453.4	464.1	473.2	480.4	485.4
37.5°	425.4	441.2	459.8	477.9	495.2	515.0	533.6	550.0	564.0	575.4	584.0
40°	475.6	496.7	522.9	549.8	575.2	602.0	629.8	654.8	676.8	695.4	710.1
42.5°	534.3	563.7	596.5	634.6	671.2	707.2	745.8	779.8	808.9	833.0	851.7
45°	600.7	642.7	683.0	735.3	786.6	838.8	878.8	919.9	955.9	986.3	1010.6
47.5°	678.4	734.2	793.0	852.3	911.3	966.7	1024.5	1081.1	1130.9	1173.1	1207.2
50°	768.1	834.1	903.5	971.3	1051.3	1126.9	1201.9	1280.6	1349.6	1407.9	1454.7
52.5°	858.6	935.1	1023.6	1114.2	1218.0	1324.1	1420.8	1510.6	1592.1	1663.5	1723.3
55°	950.1	1049.6	1157.5	1281.8	1405.4	1525.5	1635.8	1721.6	1796.4	1864.0	1923.2
57.5°	1051.3	1173.9	1307.9	1448.6	1592.6	1692.1	1785.2	1871.3	1948.2	2019.2	2083.0
60°	1159.4	1301.3	1456.2	1600.0	1723.7	1823.5	1907.4	1990.4	2068.7	2139.7	2202.7
62.5°	1264.0	1429.8	1588.6	1732.6	1835.8	1930.3	2011.1	2089.0	2169.4	2242.4	2306.6
65°	1382.7	1547.6	1709.2	1824.4	1924.1	2014.5	2101.7	2183.7	2262.3	2333.1	2390.8
67.5°	1492.0	1662.1	1789.4	1895.5	1993.5	2091.5	2184.2	2271.6	2351.1	2416.3	2470.2
70°	1582.4	1736.4	1857.7	1954.4	2057.2	2158.6	2255.9	2344.1	2426.8	2497.5	2546.4
72.5°	1651.2	1805.8	1912.3	2013.3	2113.7	2213.5	2312.5	2404.4	2498.3	2576.3	2617.6
75°	1714.0	1849.5	1956.1	2058.9	2162.8	2263.3	2352.8	2449.4	2542.5	2626.5	2675.9
77.5°	1766.4	1887.3	1986.8	2093.3	2202.3	2301.6	2391.7	2481.4	2589.1	2670.2	2721.0
80°	1794.4	1909.5	2007.4	2118.0	2231.6	2332.3	2425.0	2529.6	2634.6	2709.8	2745.0
82.5°	1818.1	1928.5	2031.5	2141.8	2247.8	2346.6	2446.7	2553.7	2661.7	2728.8	2760.5
85°	1835.3	1939.3	2046.8	2158.2	2262.4	2361.2	2458.1	2561.2	2672.5	2743.0	2778.1
87.5°	1849.7	1941.8	2052.3	2161.7	2265.8	2364.1	2469.8	2575.7	2689.0	2751.1	2780.0
90°	1841.7	1936.1	2047.6	2152.8	2257.1	2353.3	2467.5	2567.4	2685.2	2749.0	2765.2
92.5°	1849.7	1941.8	2052.3	2161.7	2265.8	2364.1	2469.8	2575.7	2689.0	2751.1	2780.0
95°	1835.3	1939.3	2046.8	2158.2	2262.4	2361.2	2458.1	2561.2	2672.5	2743.0	2778.1
97.5°	1818.1	1928.5	2031.5	2141.8	2247.8	2346.6	2446.7	2553.7	2661.7	2728.8	2760.5
100°	1794.4	1909.5	2007.4	2118.0	2231.6	2332.3	2425.0	2529.6	2634.6	2709.8	2745.0
102.5°	1766.4	1887.3	1986.8	2093.3	2202.3	2301.6	2391.7	2481.4	2589.1	2670.2	2721.0
105°	1714.0	1849.5	1956.1	2058.9	2162.8	2263.3	2352.8	2449.4	2542.5	2626.5	2675.9
107.5°	1651.2	1805.8	1912.3	2013.3	2113.7	2213.5	2312.5	2404.4	2498.3	2576.3	2617.6
110°	1582.4	1736.4	1857.7	1954.4	2057.2	2158.6	2255.9	2344.1	2426.8	2497.5	2546.4



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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°	1492.0	1662.1	1789.4	1895.5	1993.5	2091.5	2184.2	2271.6	2351.1	2416.3	2470.2
115°	1382.7	1547.6	1709.2	1824.4	1924.1	2014.5	2101.7	2183.7	2262.3	2333.1	2390.8
117.5°	1264.0	1429.8	1588.6	1732.6	1835.8	1930.3	2011.1	2089.0	2169.4	2242.4	2306.6
120°	1159.4	1301.3	1456.2	1600.0	1723.7	1823.5	1907.4	1990.4	2068.7	2139.7	2202.7
122.5°	1051.3	1173.9	1307.9	1448.6	1592.6	1692.1	1785.2	1871.3	1948.2	2019.2	2083.0
125°	950.1	1049.6	1157.5	1281.8	1405.4	1525.5	1635.8	1721.6	1796.4	1864.0	1923.2
127.5°	858.6	935.1	1023.6	1114.2	1218.0	1324.1	1420.8	1510.6	1592.1	1663.5	1723.3
130°	768.1	834.1	903.5	971.3	1051.3	1126.9	1201.9	1280.6	1349.6	1407.9	1454.7
132.5°	678.4	734.2	793.0	852.3	911.3	966.7	1024.5	1081.1	1130.9	1173.1	1207.2
135°	600.7	642.7	683.0	735.3	786.6	838.8	878.8	919.9	955.9	986.3	1010.6
137.5°	534.3	563.7	596.5	634.6	671.2	707.2	745.8	779.8	808.9	833.0	851.7
140°	475.6	496.7	522.9	549.8	575.2	602.0	629.8	654.8	676.8	695.4	710.1
142.5°	425.4	441.2	459.8	477.9	495.2	515.0	533.6	550.0	564.0	575.4	584.0
145°	378.5	390.8	403.5	415.6	427.7	441.2	453.4	464.1	473.2	480.4	485.4
147.5°	334.0	343.2	351.6	359.3	367.6	376.0	383.4	389.7	394.6	398.0	399.7
150°	298.2	302.8	306.3	309.0	314.6	319.2	322.8	325.3	326.7	326.9	325.7
152.5°	265.5	269.4	272.0	274.1	275.7	276.5	276.4	275.5	273.8	271.3	267.9
155°	237.0	240.1	242.3	244.3	245.4	245.7	245.1	243.7	241.7	238.9	235.6
157.5°	213.5	216.0	218.3	220.0	221.1	221.5	221.3	220.4	219.1	217.3	215.5
160°	194.4	197.9	200.0	201.6	202.7	203.2	203.3	203.0	202.3	201.3	200.3
162.5°	171.2	174.7	177.9	180.8	183.3	185.5	187.3	188.7	189.8	190.5	191.6
165°	146.9	149.9	152.6	155.1	157.4	159.4	161.2	162.7	164.0	164.9	166.2
167.5°	121.3	123.5	125.5	127.3	128.9	130.2	131.3	132.1	132.7	133.0	133.6
170°	96.6	98.0	99.1	100.1	100.9	101.6	102.0	102.3	102.4	103.1	102.3
172.5°	71.4	72.5	73.5	74.3	75.0	75.5	75.8	76.0	76.1	76.7	76.0
175°	44.8	45.5	46.0	46.5	46.8	47.0	47.2	47.2	48.0	47.4	46.9
177.5°	20.3	20.5	20.6	20.7	20.7	20.8	21.4	21.1	20.9	20.6	20.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	0.9	0.9
2.5°	20.1	19.8
5°	46.4	45.9
7.5°	75.3	74.6
10°	101.5	100.7
12.5°	132.9	132.2
15°	165.8	165.5
17.5°	191.1	190.6
20°	198.6	196.9
22.5°	212.5	209.5
25°	232.0	227.5
27.5°	264.2	259.0
30°	323.9	319.2
32.5°	400.7	397.5
35°	489.5	488.3
37.5°	591.2	591.7
40°	723.1	726.6
42.5°	867.7	872.3
45°	1032.1	1039.5
47.5°	1237.3	1248.2
50°	1496.0	1510.7
52.5°	1777.8	1801.2
55°	1978.6	2009.8
57.5°	2143.7	2182.5
60°	2261.9	2303.0
62.5°	2361.9	2408.2
65°	2437.3	2474.7
67.5°	2513.6	2547.6
70°	2580.5	2603.3
72.5°	2646.5	2664.5
75°	2699.8	2713.9
77.5°	2733.5	2734.6
80°	2758.2	2761.6
82.5°	2775.6	2785.0
85°	2794.8	2785.9
87.5°	2800.9	2797.6
90°	2796.7	2791.3
92.5°	2800.9	2797.6
95°	2794.8	2785.9
97.5°	2775.6	2785.0
100°	2758.2	2761.6
102.5°	2733.5	2734.6
105°	2699.8	2713.9
107.5°	2646.5	2664.5
110°	2580.5	2603.3





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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
112.5°	2513.6	2547.6
115°	2437.3	2474.7
117.5°	2361.9	2408.2
120°	2261.9	2303.0
122.5°	2143.7	2182.5
125°	1978.6	2009.8
127.5°	1777.8	1801.2
130°	1496.0	1510.7
132.5°	1237.3	1248.2
135°	1032.1	1039.5
137.5°	867.7	872.3
140°	723.1	726.6
142.5°	591.2	591.7
145°	489.5	488.3
147.5°	400.7	397.5
150°	323.9	319.2
152.5°	264.2	259.0
155°	232.0	227.5
157.5°	212.5	209.5
160°	198.6	196.9
162.5°	191.1	190.6
165°	165.8	165.5
167.5°	132.9	132.2
170°	101.5	100.7
172.5°	75.3	74.6
175°	46.4	45.9
177.5°	20.1	19.8
180°	0.0	0.0

(END OF REPORT)