

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: P232013

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-20)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-35-2HI-PA187-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 2-MODULE LED WITH PA187 LENS
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

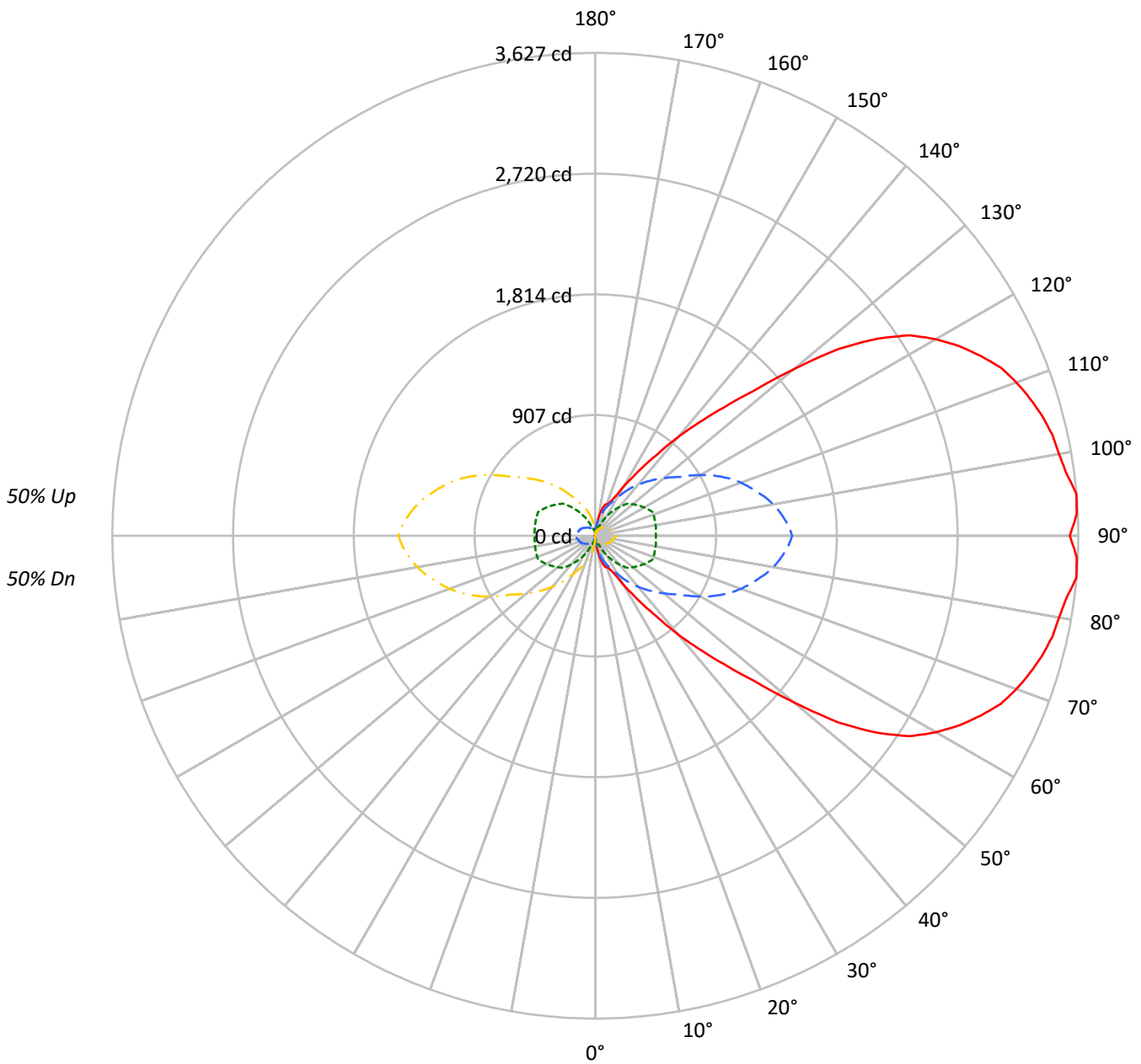
Lumens per Lamp: N/A
Luminaire Lumens: 8255.3 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 21.41 / 13.48 / 14.53
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 89.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	44	44	44	44
5°	780	297	27	297
10°	1573	553	24	553
15°	2359	816	22	816
20°	2497	1095	20	1095
25°	2737	1729	19	1729
30°	3817	2765	18	2765
35°	5502	3911	17	3911
40°	7966	5213	16	5213
45°	10926	6730	23	6730
50°	15366	7895	23	7895
55°	20136	9352	23	9352
60°	22999	11233	23	11233
65°	25017	13755	31	13755
70°	26706	16766	31	16766
75°	28152	20673	32	20673
80°	29492	27314	0	27314
85°	31421	40906	0	40906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.0
10°-20°	27.2	0.3
20°-30°	72.1	0.9
30°-40°	166.1	2.0
40°-50°	327.2	4.0
50°-60°	580.5	7.0
60°-70°	837.5	10.1
70°-80°	1012.8	12.3
80°-90°	1100.2	13.3
90°-100°	1100.2	13.3
100°-110°	1012.8	12.3
110°-120°	837.5	10.1
120°-130°	580.5	7.0
130°-140°	327.2	4.0
140°-150°	166.1	2.0
150°-160°	72.1	0.9
160°-170°	27.2	0.3
170°-180°	3.9	0.0
0°-30°	103.3	1.3
0°-40°	269.4	3.3
0°-60°	1177.1	14.3
0°-90°	4127.7	50.0
90°-120°	2950.5	35.7
90°-150°	4024.4	48.7
90°-180°	4128.0	50.0
0°-180°	8255.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3	3	3	3	3	
5°	59	20	2	20	59	8
15°	218	53	2	53	218	61
25°	291	108	2	108	291	145
35°	645	224	2	224	645	422
45°	1361	340	3	340	1361	1091
55°	2578	396	3	396	2578	2282
65°	3194	452	4	452	3194	3163
75°	3475	462	4	462	3475	3667
85°	3627	457	0	457	3627	2934
90°	3563	455	0	455	3563	1968
95°	3627	457	0	457	3627	2934
105°	3475	462	4	462	3475	3667
115°	3194	452	4	452	3194	3163
125°	2578	396	3	396	2578	2282
135°	1361	340	3	340	1361	1091
145°	645	224	2	224	645	422
155°	291	108	2	108	291	145
165°	218	53	2	53	218	61
175°	59	20	2	20	59	8
180°	2	2	2	2	2	



TEST NUMBER: P232013

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	28.4	28.7	29.1	29.4	29.8	30.1	30.5	29.6	29.6	29.5	29.4
5°	58.8	59.5	60.2	61.0	61.7	60.9	61.0	61.0	60.8	60.5	60.1
7.5°	100.0	100.9	101.7	102.6	101.6	101.4	101.0	100.4	99.6	98.5	97.3
10°	132.4	133.5	134.5	135.6	134.7	134.7	134.4	133.8	133.1	132.1	130.8
12.5°	179.4	180.2	181.0	179.9	179.2	178.1	176.7	174.9	172.7	170.2	167.5
15°	217.7	218.3	218.9	217.6	216.7	215.4	213.8	211.8	209.4	206.7	203.7
17.5°	246.1	247.1	248.1	247.3	246.8	245.9	244.6	242.8	240.6	237.9	234.7
20°	249.0	251.8	254.6	256.9	259.0	260.7	262.0	262.8	263.0	262.5	261.4
22.5°	265.7	270.3	274.9	277.8	280.8	283.2	284.8	285.7	285.8	285.0	283.2
25°	291.2	297.3	302.4	307.0	310.8	313.9	316.2	317.5	317.8	317.2	315.5
27.5°	341.2	347.8	352.1	355.8	358.5	360.0	360.4	359.8	358.1	355.4	352.9
30°	428.4	433.4	434.3	434.3	432.7	429.5	424.9	419.1	412.3	404.5	400.1
32.5°	520.6	524.5	523.4	521.3	517.1	510.8	502.7	492.9	481.6	469.9	459.1
35°	645.1	646.9	641.3	634.3	624.2	611.3	595.9	578.1	558.3	541.9	525.5
37.5°	781.4	781.1	771.9	761.0	746.2	727.9	706.4	682.0	655.5	630.2	603.3
40°	966.7	962.5	945.3	925.7	900.6	870.8	836.7	798.7	762.6	729.0	693.3
42.5°	1153.0	1146.3	1125.1	1100.8	1070.2	1033.5	991.2	943.7	895.5	845.3	792.7
45°	1360.8	1355.7	1332.1	1303.8	1265.9	1218.5	1161.7	1104.1	1039.8	977.5	914.0
47.5°	1609.9	1604.3	1575.1	1540.3	1494.1	1437.0	1369.4	1295.1	1215.4	1126.8	1051.2
50°	1948.1	1937.6	1893.0	1841.4	1775.1	1695.3	1603.1	1513.3	1419.2	1315.7	1216.9
52.5°	2304.0	2277.1	2213.5	2145.4	2066.1	1978.4	1885.0	1770.6	1640.1	1508.6	1391.2
55°	2578.5	2542.3	2474.1	2400.6	2315.4	2220.4	2115.4	1999.6	1871.4	1722.3	1567.0
57.5°	2802.1	2754.6	2679.3	2600.6	2513.4	2419.9	2312.4	2194.4	2075.5	1918.1	1756.0
60°	2952.1	2901.3	2828.1	2750.4	2663.2	2567.3	2464.0	2359.9	2238.8	2095.0	1932.1
62.5°	3083.5	3025.8	2957.0	2877.2	2786.8	2687.4	2588.8	2484.3	2368.0	2246.4	2087.0
65°	3194.2	3138.8	3072.0	2992.9	2901.2	2802.3	2698.7	2589.5	2471.3	2345.9	2214.1
67.5°	3297.2	3244.9	3180.1	3101.7	3009.2	2906.6	2796.5	2680.3	2559.9	2430.6	2297.8
70°	3365.8	3324.7	3270.8	3200.8	3108.1	2997.8	2882.5	2759.3	2632.0	2508.9	2383.1
72.5°	3422.7	3401.8	3363.5	3300.5	3189.4	3070.3	2951.0	2824.8	2701.0	2578.9	2457.5
75°	3474.6	3464.5	3440.8	3374.0	3256.9	3126.3	2998.7	2884.9	2765.1	2636.5	2511.4
77.5°	3513.9	3508.2	3493.0	3413.2	3299.2	3168.0	3050.3	2934.6	2813.1	2683.1	2549.9
80°	3535.4	3543.7	3522.1	3443.3	3330.4	3217.6	3095.6	2974.8	2848.1	2715.6	2578.6
82.5°	3568.8	3572.8	3540.3	3484.8	3378.6	3259.2	3128.0	2995.3	2870.1	2742.6	2610.7
85°	3626.6	3582.5	3526.6	3505.3	3413.5	3283.5	3152.8	3022.9	2893.4	2760.5	2630.3
87.5°	3617.8	3558.0	3565.3	3528.3	3425.5	3292.4	3161.9	3038.4	2904.7	2763.4	2636.9
90°	3562.9	3565.8	3582.5	3535.4	3403.1	3275.6	3147.2	3036.4	2901.1	2752.1	2630.5
92.5°	3617.8	3558.0	3565.3	3528.3	3425.5	3292.4	3161.9	3038.4	2904.7	2763.4	2636.9
95°	3626.6	3582.5	3526.6	3505.3	3413.5	3283.5	3152.8	3022.9	2893.4	2760.5	2630.3
97.5°	3568.8	3572.8	3540.3	3484.8	3378.6	3259.2	3128.0	2995.3	2870.1	2742.6	2610.7
100°	3535.4	3543.7	3522.1	3443.3	3330.4	3217.6	3095.6	2974.8	2848.1	2715.6	2578.6
102.5°	3513.9	3508.2	3493.0	3413.2	3299.2	3168.0	3050.3	2934.6	2813.1	2683.1	2549.9
105°	3474.6	3464.5	3440.8	3374.0	3256.9	3126.3	2998.7	2884.9	2765.1	2636.5	2511.4
107.5°	3422.7	3401.8	3363.5	3300.5	3189.4	3070.3	2951.0	2824.8	2701.0	2578.9	2457.5
110°	3365.8	3324.7	3270.8	3200.8	3108.1	2997.8	2882.5	2759.3	2632.0	2508.9	2383.1



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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°	3297.2	3244.9	3180.1	3101.7	3009.2	2906.6	2796.5	2680.3	2559.9	2430.6	2297.8
115°	3194.2	3138.8	3072.0	2992.9	2901.2	2802.3	2698.7	2589.5	2471.3	2345.9	2214.1
117.5°	3083.5	3025.8	2957.0	2877.2	2786.8	2687.4	2588.8	2484.3	2368.0	2246.4	2087.0
120°	2952.1	2901.3	2828.1	2750.4	2663.2	2567.3	2464.0	2359.9	2238.8	2095.0	1932.1
122.5°	2802.1	2754.6	2679.3	2600.6	2513.4	2419.9	2312.4	2194.4	2075.5	1918.1	1756.0
125°	2578.5	2542.3	2474.1	2400.6	2315.4	2220.4	2115.4	1999.6	1871.4	1722.3	1567.0
127.5°	2304.0	2277.1	2213.5	2145.4	2066.1	1978.4	1885.0	1770.6	1640.1	1508.6	1391.2
130°	1948.1	1937.6	1893.0	1841.4	1775.1	1695.3	1603.1	1513.3	1419.2	1315.7	1216.9
132.5°	1609.9	1604.3	1575.1	1540.3	1494.1	1437.0	1369.4	1295.1	1215.4	1126.8	1051.2
135°	1360.8	1355.7	1332.1	1303.8	1265.9	1218.5	1161.7	1104.1	1039.8	977.5	914.0
137.5°	1153.0	1146.3	1125.1	1100.8	1070.2	1033.5	991.2	943.7	895.5	845.3	792.7
140°	966.7	962.5	945.3	925.7	900.6	870.8	836.7	798.7	762.6	729.0	693.3
142.5°	781.4	781.1	771.9	761.0	746.2	727.9	706.4	682.0	655.5	630.2	603.3
145°	645.1	646.9	641.3	634.3	624.2	611.3	595.9	578.1	558.3	541.9	525.5
147.5°	520.6	524.5	523.4	521.3	517.1	510.8	502.7	492.9	481.6	469.9	459.1
150°	428.4	433.4	434.3	434.3	432.7	429.5	424.9	419.1	412.3	404.5	400.1
152.5°	341.2	347.8	352.1	355.8	358.5	360.0	360.4	359.8	358.1	355.4	352.9
155°	291.2	297.3	302.4	307.0	310.8	313.9	316.2	317.5	317.8	317.2	315.5
157.5°	265.7	270.3	274.9	277.8	280.8	283.2	284.8	285.7	285.8	285.0	283.2
160°	249.0	251.8	254.6	256.9	259.0	260.7	262.0	262.8	263.0	262.5	261.4
162.5°	246.1	247.1	248.1	247.3	246.8	245.9	244.6	242.8	240.6	237.9	234.7
165°	217.7	218.3	218.9	217.6	216.7	215.4	213.8	211.8	209.4	206.7	203.7
167.5°	179.4	180.2	181.0	179.9	179.2	178.1	176.7	174.9	172.7	170.2	167.5
170°	132.4	133.5	134.5	135.6	134.7	134.7	134.4	133.8	133.1	132.1	130.8
172.5°	100.0	100.9	101.7	102.6	101.6	101.4	101.0	100.4	99.6	98.5	97.3
175°	58.8	59.5	60.2	61.0	61.7	60.9	61.0	61.0	60.8	60.5	60.1
177.5°	28.4	28.7	29.1	29.4	29.8	30.1	30.5	29.6	29.6	29.5	29.4
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	29.2	29.0	28.7	28.4	28.0	27.6	27.2	26.6	26.1	25.5	24.9
5°	59.5	58.8	58.1	57.2	56.1	55.0	53.8	52.4	51.0	49.4	47.7
7.5°	95.9	94.3	92.5	90.5	88.3	86.0	83.5	80.8	78.0	75.5	73.0
10°	129.4	127.7	125.7	123.6	121.3	118.7	115.6	112.1	108.4	104.5	100.4
12.5°	164.4	161.0	157.4	153.5	149.8	146.5	143.1	139.4	135.4	131.3	126.9
15°	200.4	196.9	193.0	188.4	183.2	177.9	172.3	166.6	160.7	155.6	150.3
17.5°	231.1	227.1	222.4	217.4	212.2	206.8	201.1	194.9	188.1	181.1	174.0
20°	259.4	255.7	250.6	245.0	238.8	232.2	225.5	218.8	211.9	204.9	197.2
22.5°	281.1	278.9	275.7	271.4	266.0	258.8	250.8	242.1	233.2	225.2	217.2
25°	313.3	309.8	305.1	299.1	292.8	285.8	277.3	267.6	257.3	246.4	236.2
27.5°	350.4	346.6	341.6	335.3	327.5	318.2	308.9	296.5	283.8	270.2	257.4
30°	394.7	388.3	382.0	374.4	366.2	356.5	344.6	330.9	318.3	307.4	296.0
32.5°	447.7	436.0	426.5	417.3	407.1	396.4	385.9	374.8	362.1	348.9	336.6
35°	508.0	490.8	476.8	462.9	451.0	440.6	429.4	417.4	404.4	390.4	375.8
37.5°	575.2	552.6	531.1	514.6	499.6	485.3	472.3	459.3	445.3	430.3	414.8
40°	657.4	625.5	596.2	572.7	551.7	532.8	516.3	500.2	485.4	469.6	452.6
42.5°	748.7	710.4	672.5	639.6	609.1	584.0	561.3	542.7	524.2	507.8	490.2
45°	859.7	802.5	755.5	711.4	672.8	636.7	609.7	585.3	564.7	544.6	526.6
47.5°	982.8	914.0	849.5	788.0	740.3	696.6	658.5	629.6	604.8	582.3	561.4
50°	1116.3	1032.9	953.6	880.6	811.5	758.3	712.1	672.9	644.9	620.1	595.9
52.5°	1275.1	1165.0	1063.4	977.1	896.2	821.6	766.6	720.7	683.4	656.5	646.2
55°	1430.3	1304.2	1186.1	1075.3	983.1	897.4	820.2	769.7	740.2	722.2	717.7
57.5°	1589.3	1436.5	1305.8	1183.0	1070.0	974.7	898.6	841.8	805.2	783.8	779.9
60°	1747.9	1572.7	1415.1	1283.4	1167.4	1066.3	981.1	910.7	869.5	844.8	836.4
62.5°	1909.6	1702.9	1531.7	1389.7	1265.6	1150.9	1059.4	984.2	929.5	899.2	888.6
65°	2044.7	1860.0	1663.7	1496.8	1358.2	1235.8	1130.3	1047.8	986.6	953.8	941.9
67.5°	2165.4	1991.0	1798.9	1611.9	1443.2	1309.7	1196.9	1109.7	1045.1	1005.3	990.3
70°	2246.8	2091.2	1918.3	1717.9	1534.4	1382.9	1260.6	1164.4	1095.5	1051.8	1034.1
72.5°	2321.3	2167.3	1992.1	1807.7	1623.3	1447.3	1314.3	1214.2	1139.7	1097.1	1077.9
75°	2380.0	2229.3	2056.8	1875.0	1701.2	1508.2	1367.3	1262.9	1188.6	1140.9	1116.1
77.5°	2428.4	2280.9	2105.7	1928.4	1756.4	1574.6	1423.1	1313.3	1234.3	1182.3	1153.5
80°	2456.0	2322.5	2160.8	1979.1	1800.6	1625.5	1469.0	1357.0	1276.0	1221.3	1190.3
82.5°	2480.6	2352.7	2204.8	2019.4	1834.9	1662.1	1506.1	1394.7	1314.0	1258.2	1226.3
85°	2496.7	2368.0	2237.1	2048.5	1859.2	1686.0	1535.2	1427.0	1348.8	1293.3	1261.6
87.5°	2503.2	2374.8	2263.4	2072.1	1878.4	1702.7	1559.7	1456.3	1381.7	1327.3	1296.6
90°	2499.1	2362.8	2263.8	2071.7	1877.5	1703.0	1573.6	1478.5	1409.9	1358.9	1330.4
92.5°	2503.2	2374.8	2263.4	2072.1	1878.4	1702.7	1559.7	1456.3	1381.7	1327.3	1296.6
95°	2496.7	2368.0	2237.1	2048.5	1859.2	1686.0	1535.2	1427.0	1348.8	1293.3	1261.6
97.5°	2480.6	2352.7	2204.8	2019.4	1834.9	1662.1	1506.1	1394.7	1314.0	1258.2	1226.3
100°	2456.0	2322.5	2160.8	1979.1	1800.6	1625.5	1469.0	1357.0	1276.0	1221.3	1190.3
102.5°	2428.4	2280.9	2105.7	1928.4	1756.4	1574.6	1423.1	1313.3	1234.3	1182.3	1153.5
105°	2380.0	2229.3	2056.8	1875.0	1701.2	1508.2	1367.3	1262.9	1188.6	1140.9	1116.1
107.5°	2321.3	2167.3	1992.1	1807.7	1623.3	1447.3	1314.3	1214.2	1139.7	1097.1	1077.9
110°	2246.8	2091.2	1918.3	1717.9	1534.4	1382.9	1260.6	1164.4	1095.5	1051.8	1034.1



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	2165.4	1991.0	1798.9	1611.9	1443.2	1309.7	1196.9	1109.7	1045.1	1005.3	990.3
115°	2044.7	1860.0	1663.7	1496.8	1358.2	1235.8	1130.3	1047.8	986.6	953.8	941.9
117.5°	1909.6	1702.9	1531.7	1389.7	1265.6	1150.9	1059.4	984.2	929.5	899.2	888.6
120°	1747.9	1572.7	1415.1	1283.4	1167.4	1066.3	981.1	910.7	869.5	844.8	836.4
122.5°	1589.3	1436.5	1305.8	1183.0	1070.0	974.7	898.6	841.8	805.2	783.8	779.9
125°	1430.3	1304.2	1186.1	1075.3	983.1	897.4	820.2	769.7	740.2	722.2	717.7
127.5°	1275.1	1165.0	1063.4	977.1	896.2	821.6	766.6	720.7	683.4	656.5	646.2
130°	1116.3	1032.9	953.6	880.6	811.5	758.3	712.1	672.9	644.9	620.1	595.9
132.5°	982.8	914.0	849.5	788.0	740.3	696.6	658.5	629.6	604.8	582.3	561.4
135°	859.7	802.5	755.5	711.4	672.8	636.7	609.7	585.3	564.7	544.6	526.6
137.5°	748.7	710.4	672.5	639.6	609.1	584.0	561.3	542.7	524.2	507.8	490.2
140°	657.4	625.5	596.2	572.7	551.7	532.8	516.3	500.2	485.4	469.6	452.6
142.5°	575.2	552.6	531.1	514.6	499.6	485.3	472.3	459.3	445.3	430.3	414.8
145°	508.0	490.8	476.8	462.9	451.0	440.6	429.4	417.4	404.4	390.4	375.8
147.5°	447.7	436.0	426.5	417.3	407.1	396.4	385.9	374.8	362.1	348.9	336.6
150°	394.7	388.3	382.0	374.4	366.2	356.5	344.6	330.9	318.3	307.4	296.0
152.5°	350.4	346.6	341.6	335.3	327.5	318.2	308.9	296.5	283.8	270.2	257.4
155°	313.3	309.8	305.1	299.1	292.8	285.8	277.3	267.6	257.3	246.4	236.2
157.5°	281.1	278.9	275.7	271.4	266.0	258.8	250.8	242.1	233.2	225.2	217.2
160°	259.4	255.7	250.6	245.0	238.8	232.2	225.5	218.8	211.9	204.9	197.2
162.5°	231.1	227.1	222.4	217.4	212.2	206.8	201.1	194.9	188.1	181.1	174.0
165°	200.4	196.9	193.0	188.4	183.2	177.9	172.3	166.6	160.7	155.6	150.3
167.5°	164.4	161.0	157.4	153.5	149.8	146.5	143.1	139.4	135.4	131.3	126.9
170°	129.4	127.7	125.7	123.6	121.3	118.7	115.6	112.1	108.4	104.5	100.4
172.5°	95.9	94.3	92.5	90.5	88.3	86.0	83.5	80.8	78.0	75.5	73.0
175°	59.5	58.8	58.1	57.2	56.1	55.0	53.8	52.4	51.0	49.4	47.7
177.5°	29.2	29.0	28.7	28.4	28.0	27.6	27.2	26.6	26.1	25.5	24.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	24.2	23.5	22.7	21.9	21.1	20.3	19.4	18.4	17.5	16.5	15.5
5°	46.0	44.1	42.2	40.6	39.0	37.3	35.5	33.7	31.9	29.9	28.0
7.5°	70.4	67.6	64.6	61.5	58.3	55.0	51.6	48.7	46.0	43.2	40.3
10°	96.2	91.8	87.5	83.2	78.9	74.4	69.8	65.0	60.1	56.2	52.4
12.5°	121.9	116.6	111.1	105.5	99.7	94.0	88.1	82.1	76.0	69.6	64.4
15°	144.9	139.2	134.1	126.8	120.2	113.5	106.6	99.3	91.9	84.2	76.4
17.5°	167.7	160.4	153.6	146.5	139.3	131.8	124.2	116.4	107.9	98.9	89.7
20°	189.3	181.3	173.3	165.4	157.2	148.8	140.6	132.2	123.8	113.6	103.1
22.5°	209.2	200.7	192.2	183.6	174.6	165.3	155.8	147.0	138.1	128.4	116.5
25°	226.5	217.8	208.9	200.0	194.8	188.5	181.6	174.4	167.3	159.7	149.0
27.5°	248.9	243.3	239.0	234.4	229.5	224.3	217.5	210.1	202.4	194.2	184.1
30°	287.0	278.5	271.9	267.4	262.7	257.8	252.3	245.0	237.9	228.5	219.3
32.5°	324.2	314.0	305.3	298.8	294.4	289.8	285.0	278.8	271.4	262.6	252.6
35°	362.2	349.0	338.7	330.0	324.7	320.5	316.2	312.1	304.5	296.4	285.9
37.5°	399.0	384.6	371.0	361.7	354.1	350.0	346.2	342.5	336.8	329.9	319.1
40°	435.6	418.8	404.5	391.5	383.6	378.2	375.1	372.2	368.3	362.0	352.0
42.5°	471.1	453.3	436.2	422.3	412.3	405.3	403.0	400.9	398.8	393.5	384.8
45°	506.9	486.3	468.2	452.5	439.3	433.1	429.9	428.7	427.7	424.2	417.4
47.5°	542.0	519.9	499.4	482.1	467.8	463.5	464.2	464.6	462.4	456.5	446.5
50°	575.0	556.5	552.2	549.0	542.9	533.7	523.4	514.5	503.9	491.3	475.7
52.5°	640.2	640.3	642.7	641.1	630.4	611.2	589.8	568.9	548.7	528.2	505.9
55°	713.5	716.9	725.4	735.2	722.1	695.1	661.9	627.6	596.4	567.2	537.6
57.5°	781.8	787.8	800.7	822.8	814.2	783.5	739.1	690.1	647.3	608.4	570.6
60°	844.1	854.0	872.4	900.8	907.6	875.9	820.9	756.6	701.8	651.6	604.8
62.5°	900.7	917.1	939.8	973.4	1002.2	971.8	906.3	828.6	758.8	696.6	640.1
65°	952.2	975.8	1003.3	1041.0	1096.8	1065.4	993.7	903.4	818.0	743.0	676.1
67.5°	999.0	1030.5	1063.4	1106.8	1171.7	1157.1	1083.1	980.7	878.9	790.6	712.9
70°	1043.2	1081.7	1122.5	1168.7	1225.7	1215.2	1132.4	1018.9	904.6	807.7	723.7
72.5°	1082.2	1110.8	1148.5	1185.3	1223.9	1217.3	1139.1	1030.6	915.3	816.7	730.5
75°	1113.3	1133.6	1170.5	1206.0	1229.1	1219.6	1143.0	1040.0	924.5	824.8	736.7
77.5°	1145.3	1158.6	1192.5	1230.0	1240.1	1221.8	1144.3	1047.1	932.3	832.0	742.5
80°	1178.1	1185.6	1214.8	1256.7	1255.7	1223.7	1143.1	1052.2	938.8	838.4	747.8
82.5°	1211.4	1214.2	1237.5	1285.5	1274.4	1224.9	1139.8	1055.2	944.0	843.9	755.5
85°	1245.1	1244.0	1261.1	1315.5	1295.1	1228.4	1137.1	1059.5	950.2	850.2	757.9
87.5°	1279.0	1274.5	1285.0	1346.4	1317.1	1225.0	1128.4	1056.7	951.1	852.6	760.4
90°	1312.8	1305.9	1311.8	1376.5	1336.3	1221.6	1119.7	1054.0	952.0	854.9	762.8
92.5°	1279.0	1274.5	1285.0	1346.4	1317.1	1225.0	1128.4	1056.7	951.1	852.6	760.4
95°	1245.1	1244.0	1261.1	1315.5	1295.1	1228.4	1137.1	1059.5	950.2	850.2	757.9
97.5°	1211.4	1214.2	1237.5	1285.5	1274.4	1224.9	1139.8	1055.2	944.0	843.9	755.5
100°	1178.1	1185.6	1214.8	1256.7	1255.7	1223.7	1143.1	1052.2	938.8	838.4	747.8
102.5°	1145.3	1158.6	1192.5	1230.0	1240.1	1221.8	1144.3	1047.1	932.3	832.0	742.5
105°	1113.3	1133.6	1170.5	1206.0	1229.1	1219.6	1143.0	1040.0	924.5	824.8	736.7
107.5°	1082.2	1110.8	1148.5	1185.3	1223.9	1217.3	1139.1	1030.6	915.3	816.7	730.5
110°	1043.2	1081.7	1122.5	1168.7	1225.7	1215.2	1132.4	1018.9	904.6	807.7	723.7



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	999.0	1030.5	1063.4	1106.8	1171.7	1157.1	1083.1	980.7	878.9	790.6	712.9
115°	952.1	975.8	1003.3	1041.0	1096.8	1065.4	993.7	903.4	818.0	743.0	676.1
117.5°	900.7	917.1	939.8	973.4	1002.2	971.8	906.3	828.6	758.8	696.6	640.1
120°	844.1	854.0	872.4	900.8	907.6	875.9	820.9	756.6	701.8	651.6	604.8
122.5°	781.8	787.8	800.7	822.8	814.2	783.5	739.1	690.1	647.3	608.4	570.6
125°	713.5	716.9	725.4	735.2	722.1	695.1	661.9	627.6	596.4	567.2	537.6
127.5°	640.2	640.3	642.7	641.1	630.4	611.2	589.8	568.9	548.7	528.2	505.9
130°	575.0	556.5	552.2	549.0	542.9	533.7	523.4	514.5	503.9	491.3	475.7
132.5°	542.0	519.9	499.4	482.1	467.8	463.5	464.2	464.6	462.4	456.5	446.5
135°	506.9	486.3	468.2	452.5	439.3	433.1	429.9	428.7	427.7	424.2	417.4
137.5°	471.1	453.3	436.2	422.3	412.3	405.3	403.0	400.9	398.8	393.5	384.8
140°	435.6	418.8	404.5	391.5	383.6	378.2	375.1	372.2	368.3	362.0	352.0
142.5°	399.0	384.6	371.0	361.7	354.1	350.0	346.2	342.5	336.8	329.9	319.1
145°	362.2	349.0	338.7	330.0	324.7	320.5	316.2	312.1	304.5	296.4	285.9
147.5°	324.2	314.0	305.3	298.8	294.4	289.8	285.0	278.8	271.4	262.6	252.6
150°	287.0	278.5	271.9	267.4	262.7	257.8	252.3	245.0	237.9	228.5	219.3
152.5°	248.9	243.3	239.0	234.4	229.5	224.3	217.5	210.1	202.4	194.2	184.1
155°	226.5	217.8	208.9	200.0	194.8	188.5	181.6	174.4	167.3	159.7	149.0
157.5°	209.2	200.7	192.2	183.6	174.6	165.3	155.8	147.0	138.1	128.4	116.5
160°	189.3	181.3	173.3	165.4	157.2	148.8	140.6	132.2	123.8	113.6	103.1
162.5°	167.7	160.4	153.6	146.5	139.3	131.8	124.2	116.4	107.9	98.9	89.7
165°	144.9	139.2	134.1	126.8	120.2	113.5	106.6	99.3	91.9	84.2	76.4
167.5°	121.9	116.6	111.1	105.5	99.7	94.0	88.1	82.1	76.0	69.6	64.4
170°	96.2	91.8	87.5	83.2	78.9	74.4	69.8	65.0	60.1	56.2	52.4
172.5°	70.4	67.6	64.6	61.5	58.3	55.0	51.6	48.7	46.0	43.2	40.3
175°	46.0	44.1	42.2	40.6	39.0	37.3	35.5	33.7	31.9	29.9	28.0
177.5°	24.2	23.5	22.7	21.9	21.1	20.3	19.4	18.4	17.5	16.5	15.5
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	14.5	13.4	12.4	11.3	11.3	11.2	11.1	11.1	11.0	10.8	10.7
5°	26.0	23.9	21.8	19.7	19.5	19.4	19.2	19.0	18.7	18.5	18.2
7.5°	37.3	34.3	31.2	28.1	27.8	27.5	27.1	26.7	26.3	25.8	25.3
10°	48.5	44.6	40.6	36.5	36.0	35.4	34.8	34.2	33.5	32.8	32.3
12.5°	59.6	54.8	49.9	44.8	44.1	43.3	42.4	41.5	40.7	40.1	39.4
15°	70.6	64.9	59.1	53.2	52.2	51.1	49.9	48.7	48.0	47.3	46.5
17.5°	81.4	74.9	68.3	61.6	60.2	58.7	57.1	56.1	55.4	54.6	53.8
20°	92.3	84.8	77.5	70.0	68.2	66.3	64.4	63.6	62.8	61.9	61.2
22.5°	104.3	94.7	86.6	78.4	76.1	73.7	71.9	71.1	70.2	69.5	68.7
25°	136.9	125.9	117.0	107.5	103.7	99.6	96.2	93.1	90.0	87.2	84.2
27.5°	171.0	158.0	147.6	136.6	131.3	125.6	121.0	116.3	112.2	108.2	103.9
30°	205.0	190.3	178.3	165.7	158.7	151.3	145.2	138.7	133.5	128.2	122.3
32.5°	238.8	223.2	209.1	194.8	186.0	176.9	168.7	160.7	154.1	147.1	139.7
35°	272.4	255.9	240.0	223.8	213.0	202.0	191.6	182.2	174.0	165.1	156.1
37.5°	305.9	288.5	270.9	252.9	239.9	226.8	213.9	203.1	193.4	182.3	171.2
40°	339.3	321.0	301.9	282.0	266.7	251.2	235.6	223.4	211.3	198.6	185.3
42.5°	372.3	353.4	333.0	311.1	293.3	275.2	257.5	243.3	229.0	214.8	198.5
45°	404.5	385.7	364.1	340.2	319.8	298.9	278.6	262.7	246.0	228.8	210.7
47.5°	428.6	405.3	379.8	354.1	330.3	307.0	285.7	268.9	252.3	235.3	217.4
50°	452.7	424.8	395.2	368.1	340.4	314.1	291.1	272.2	254.7	237.2	219.0
52.5°	477.8	444.7	410.6	382.0	350.3	321.1	296.2	275.6	257.1	239.5	221.8
55°	503.7	465.1	426.1	396.0	360.1	328.0	301.1	279.0	259.8	242.3	225.5
57.5°	530.3	485.9	441.5	409.9	369.8	334.7	305.9	282.5	262.9	245.7	230.2
60°	557.6	507.0	456.8	423.9	379.4	341.4	310.5	286.1	266.4	250.0	236.3
62.5°	585.4	528.4	472.2	437.8	388.9	348.0	315.1	289.7	270.2	254.9	242.1
65°	613.7	550.0	487.5	451.8	398.3	354.6	319.6	293.5	274.4	260.5	249.3
67.5°	642.3	571.7	502.7	465.7	407.7	361.1	324.0	297.3	278.8	266.7	257.2
70°	648.7	576.3	507.5	464.5	405.1	358.3	321.0	294.6	276.9	266.5	258.6
72.5°	653.1	579.8	512.2	463.3	402.5	355.4	317.5	291.1	273.6	263.7	256.0
75°	657.0	582.9	518.9	462.1	400.0	352.7	314.3	287.8	270.5	261.0	253.6
77.5°	660.6	585.5	523.3	460.9	397.6	350.1	311.2	284.6	267.5	258.4	251.4
80°	663.7	589.7	527.7	459.7	395.3	347.8	308.3	281.6	264.7	256.0	249.3
82.5°	668.3	590.8	532.0	458.5	393.1	345.6	305.7	278.8	262.0	253.6	247.4
85°	669.4	591.9	536.4	457.3	391.0	343.6	303.2	276.2	259.5	251.3	245.6
87.5°	670.5	593.0	540.7	456.1	389.1	341.8	301.0	273.8	257.1	249.2	243.8
90°	671.6	594.1	545.1	454.9	387.3	340.2	299.0	271.6	254.9	247.1	242.2
92.5°	670.5	593.0	540.7	456.1	389.1	341.8	301.0	273.8	257.1	249.2	243.8
95°	669.4	591.9	536.4	457.3	391.0	343.6	303.2	276.2	259.5	251.3	245.6
97.5°	668.3	590.8	532.0	458.5	393.1	345.6	305.7	278.8	262.0	253.6	247.4
100°	663.7	589.7	527.7	459.7	395.3	347.8	308.3	281.6	264.7	256.0	249.3
102.5°	660.6	585.5	523.3	460.9	397.6	350.1	311.2	284.6	267.5	258.4	251.4
105°	657.0	582.9	518.9	462.1	400.0	352.7	314.3	287.8	270.5	261.0	253.6
107.5°	653.1	579.8	512.2	463.3	402.5	355.4	317.5	291.1	273.6	263.7	256.0
110°	648.7	576.3	507.5	464.5	405.1	358.3	321.0	294.6	276.9	266.5	258.6



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	642.3	571.7	502.7	465.7	407.7	361.1	324.0	297.3	278.8	266.7	257.2
115°	613.7	550.0	487.5	451.8	398.3	354.6	319.6	293.5	274.4	260.5	249.3
117.5°	585.4	528.4	472.2	437.8	388.9	348.0	315.1	289.7	270.2	254.9	242.1
120°	557.6	507.0	456.8	423.9	379.4	341.4	310.5	286.1	266.4	250.0	236.3
122.5°	530.3	485.9	441.5	409.9	369.8	334.7	305.9	282.5	262.9	245.7	230.2
125°	503.7	465.1	426.1	396.0	360.1	328.0	301.1	279.0	259.8	242.3	225.5
127.5°	477.8	444.7	410.6	382.0	350.3	321.1	296.2	275.6	257.1	239.5	221.8
130°	452.7	424.8	395.2	368.1	340.4	314.1	291.1	272.2	254.7	237.2	219.0
132.5°	428.6	405.3	379.8	354.1	330.3	307.0	285.7	268.9	252.3	235.3	217.4
135°	404.5	385.7	364.1	340.2	319.8	298.9	278.6	262.7	246.0	228.8	210.7
137.5°	372.3	353.4	333.0	311.1	293.3	275.2	257.5	243.3	229.0	214.8	198.5
140°	339.3	321.0	301.9	282.0	266.7	251.2	235.6	223.4	211.3	198.6	185.3
142.5°	305.9	288.5	270.9	252.9	239.9	226.8	213.9	203.1	193.4	182.3	171.2
145°	272.4	255.9	240.0	223.8	213.0	202.0	191.6	182.2	174.0	165.1	156.1
147.5°	238.8	223.2	209.1	194.8	186.0	176.9	168.7	160.7	154.1	147.1	139.7
150°	205.0	190.3	178.3	165.7	158.7	151.3	145.2	138.7	133.5	128.2	122.3
152.5°	171.0	158.0	147.6	136.6	131.3	125.6	121.0	116.3	112.2	108.2	103.9
155°	136.9	125.9	117.0	107.5	103.7	99.6	96.2	93.1	90.0	87.2	84.2
157.5°	104.3	94.7	86.6	78.4	76.1	73.7	71.9	71.1	70.2	69.5	68.7
160°	92.3	84.8	77.5	70.0	68.2	66.3	64.4	63.6	62.8	61.9	61.2
162.5°	81.4	74.9	68.3	61.6	60.2	58.7	57.1	56.1	55.4	54.6	53.8
165°	70.6	64.9	59.1	53.2	52.2	51.1	49.9	48.7	48.0	47.3	46.5
167.5°	59.6	54.8	49.9	44.8	44.1	43.3	42.4	41.5	40.7	40.1	39.4
170°	48.5	44.6	40.6	36.5	36.0	35.4	34.8	34.2	33.5	32.8	32.3
172.5°	37.3	34.3	31.2	28.1	27.8	27.5	27.1	26.7	26.3	25.8	25.3
175°	26.0	23.9	21.8	19.7	19.5	19.4	19.2	19.0	18.7	18.5	18.2
177.5°	14.5	13.4	12.4	11.3	11.3	11.2	11.1	11.1	11.0	10.8	10.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	10.6	10.4	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.8	8.5
5°	17.8	17.5	17.1	16.7	16.3	15.9	15.5	15.0	14.5	14.0	13.5
7.5°	24.7	24.2	23.7	23.2	22.6	22.0	21.3	20.6	19.9	19.1	18.5
10°	31.7	31.1	30.4	29.6	28.9	28.2	27.4	26.6	25.8	24.9	24.0
12.5°	38.7	37.9	37.1	36.4	35.6	34.8	33.8	32.9	31.7	30.6	29.4
15°	45.7	45.0	44.2	43.4	42.4	41.3	40.1	38.8	37.5	36.1	34.6
17.5°	53.1	52.2	51.3	50.2	48.9	47.6	46.2	44.7	43.1	41.5	39.8
20°	60.4	59.5	58.2	56.8	55.4	53.9	52.2	50.5	48.7	46.7	44.6
22.5°	67.8	66.4	65.0	63.4	61.8	60.1	58.2	56.0	53.8	51.5	49.4
25°	80.8	77.2	73.5	70.0	68.2	66.0	63.7	61.3	59.1	56.8	54.5
27.5°	99.2	94.5	89.6	84.9	79.9	75.1	70.6	67.0	64.6	61.9	59.0
30°	116.3	110.2	104.0	97.6	91.3	85.5	80.2	75.5	71.1	66.9	63.3
32.5°	132.1	124.4	116.4	108.3	100.7	93.7	87.5	82.0	76.9	72.3	68.1
35°	146.6	137.1	126.9	117.2	108.1	100.0	93.3	87.1	81.5	76.5	72.3
37.5°	159.9	147.9	135.8	124.3	113.7	105.4	97.8	91.1	85.3	80.6	76.1
40°	171.8	157.2	143.0	129.4	119.0	109.6	101.5	94.6	89.2	84.3	79.8
42.5°	182.1	165.3	148.6	134.4	123.1	113.2	104.6	98.5	93.0	88.0	83.3
45°	191.3	171.8	152.7	138.9	126.7	115.9	108.5	102.2	96.8	91.9	87.0
47.5°	197.6	176.8	157.5	142.5	129.7	119.7	112.1	106.2	100.9	95.9	90.4
50°	199.9	179.6	162.6	147.5	133.4	123.7	116.3	110.3	105.2	99.6	94.0
52.5°	203.3	184.1	168.3	153.8	141.7	132.0	124.2	117.1	109.4	103.4	98.0
55°	207.9	190.5	174.9	160.8	150.2	141.7	134.7	128.5	119.2	110.2	102.2
57.5°	213.6	197.4	182.4	169.2	158.9	152.0	146.5	138.8	128.4	117.9	108.4
60°	220.5	204.8	190.5	178.5	169.3	163.2	159.2	148.5	136.0	124.0	113.3
62.5°	228.3	212.7	199.2	187.9	180.3	175.9	170.3	157.5	142.3	129.1	117.3
65°	236.5	221.4	208.4	197.6	191.8	189.3	180.3	164.7	147.9	133.4	120.7
67.5°	245.1	230.8	218.4	208.2	203.7	203.3	190.1	170.9	153.0	137.5	123.6
70°	248.1	236.2	226.1	219.1	217.1	215.6	199.3	176.5	157.5	141.2	126.0
72.5°	245.7	235.2	225.7	219.5	219.0	216.3	201.5	181.0	161.9	144.7	128.0
75°	243.8	234.7	225.5	219.7	218.9	213.6	199.9	183.0	165.2	147.4	130.6
77.5°	242.3	234.6	225.5	219.7	218.4	211.8	200.5	186.4	168.8	150.3	133.5
80°	241.2	234.9	225.7	219.6	217.6	210.7	202.8	191.0	172.7	153.8	136.9
82.5°	240.4	235.4	226.1	219.5	216.5	210.1	206.5	196.7	177.1	157.9	140.7
85°	239.9	236.2	226.6	219.4	215.3	210.1	211.1	203.2	182.1	162.7	145.1
87.5°	239.5	237.2	227.4	219.5	214.0	210.3	216.3	210.2	187.7	168.2	150.1
90°	239.2	238.2	228.4	219.6	212.8	210.8	221.6	217.7	194.1	174.5	155.9
92.5°	239.5	237.2	227.4	219.5	214.0	210.3	216.3	210.2	187.7	168.2	150.1
95°	239.9	236.2	226.6	219.4	215.3	210.1	211.1	203.2	182.1	162.7	145.1
97.5°	240.4	235.4	226.1	219.5	216.5	210.1	206.5	196.7	177.1	157.9	140.7
100°	241.2	234.9	225.7	219.6	217.6	210.7	202.8	191.0	172.7	153.8	136.9
102.5°	242.3	234.6	225.5	219.7	218.4	211.8	200.5	186.4	168.8	150.3	133.5
105°	243.8	234.7	225.5	219.7	218.9	213.6	199.9	183.0	165.2	147.4	130.6
107.5°	245.7	235.2	225.7	219.5	219.0	216.3	201.5	181.0	161.9	144.7	128.0
110°	248.1	236.2	226.1	219.1	217.1	215.6	199.3	176.5	157.5	141.2	126.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	245.1	230.8	218.4	208.2	203.7	203.3	190.1	170.9	153.0	137.5	123.6
115°	236.5	221.4	208.4	197.6	191.8	189.3	180.3	164.7	147.9	133.4	120.7
117.5°	228.3	212.7	199.2	187.9	180.3	175.9	170.3	157.5	142.3	129.1	117.3
120°	220.5	204.8	190.5	178.5	169.3	163.2	159.2	148.5	136.0	124.0	113.3
122.5°	213.6	197.4	182.4	169.2	158.9	152.0	146.5	138.8	128.4	117.9	108.4
125°	207.9	190.5	174.9	160.8	150.2	141.7	134.7	128.5	119.2	110.2	102.2
127.5°	203.3	184.1	168.3	153.8	141.7	132.0	124.2	117.1	109.4	103.4	98.0
130°	199.9	179.6	162.6	147.5	133.4	123.7	116.3	110.3	105.2	99.6	94.0
132.5°	197.6	176.8	157.5	142.5	129.7	119.7	112.1	106.2	100.9	95.9	90.4
135°	191.3	171.8	152.7	138.9	126.7	115.9	108.5	102.2	96.8	91.9	87.0
137.5°	182.1	165.3	148.6	134.4	123.1	113.2	104.6	98.5	93.0	88.0	83.3
140°	171.8	157.2	143.0	129.4	119.0	109.6	101.5	94.6	89.2	84.3	79.8
142.5°	159.9	147.9	135.8	124.3	113.7	105.4	97.8	91.1	85.3	80.6	76.1
145°	146.6	137.1	126.9	117.2	108.1	100.0	93.3	87.1	81.5	76.5	72.3
147.5°	132.1	124.4	116.4	108.3	100.7	93.7	87.5	82.0	76.9	72.3	68.1
150°	116.3	110.2	104.0	97.6	91.3	85.5	80.2	75.5	71.1	66.9	63.3
152.5°	99.2	94.5	89.6	84.9	79.9	75.1	70.6	67.0	64.6	61.9	59.0
155°	80.8	77.2	73.5	70.0	68.2	66.0	63.7	61.3	59.1	56.8	54.5
157.5°	67.8	66.4	65.0	63.4	61.8	60.1	58.2	56.0	53.8	51.5	49.4
160°	60.4	59.5	58.2	56.8	55.4	53.9	52.2	50.5	48.7	46.7	44.6
162.5°	53.1	52.2	51.3	50.2	48.9	47.6	46.2	44.7	43.1	41.5	39.8
165°	45.7	45.0	44.2	43.4	42.4	41.3	40.1	38.8	37.5	36.1	34.6
167.5°	38.7	37.9	37.1	36.4	35.6	34.8	33.8	32.9	31.7	30.6	29.4
170°	31.7	31.1	30.4	29.6	28.9	28.2	27.4	26.6	25.8	24.9	24.0
172.5°	24.7	24.2	23.7	23.2	22.6	22.0	21.3	20.6	19.9	19.1	18.5
175°	17.8	17.5	17.1	16.7	16.3	15.9	15.5	15.0	14.5	14.0	13.5
177.5°	10.6	10.4	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.8	8.5
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	8.2	8.0	7.7	7.4	7.1	6.8	6.5	6.2	5.9	5.6	5.2
5°	12.9	12.4	11.8	11.2	10.6	10.0	9.4	8.7	8.1	7.4	6.7
7.5°	17.7	17.0	16.2	15.4	14.5	13.6	12.8	11.9	10.9	10.0	9.0
10°	23.0	22.0	20.9	19.8	18.7	17.5	16.3	15.1	13.8	12.6	11.3
12.5°	28.1	26.8	25.4	24.1	22.6	21.2	19.7	18.2	16.7	15.1	13.5
15°	33.1	31.5	29.9	28.3	26.6	24.8	23.0	21.2	19.3	17.4	15.5
17.5°	38.0	36.1	34.1	32.2	30.1	28.1	26.1	24.0	21.9	19.8	17.6
20°	42.5	40.4	38.3	36.1	33.9	31.7	29.4	27.0	24.5	22.1	19.6
22.5°	47.2	45.0	42.6	40.1	37.5	34.9	32.2	29.6	26.9	24.2	21.4
25°	51.9	49.2	46.4	43.6	40.8	37.9	35.0	32.1	29.1	26.2	23.2
27.5°	56.1	53.1	50.1	47.0	43.9	40.8	37.7	34.5	31.3	28.1	24.9
30°	60.1	56.9	53.7	50.4	47.1	43.7	40.3	36.9	33.5	29.9	26.4
32.5°	64.3	60.7	57.2	53.7	50.1	46.4	42.6	38.8	35.0	31.2	27.5
35°	68.3	64.4	60.6	56.6	52.5	48.4	44.4	40.3	36.3	32.4	28.6
37.5°	71.9	67.8	63.4	59.1	54.6	50.2	46.0	42.0	38.1	34.1	29.9
40°	75.3	70.8	66.1	61.4	56.8	52.5	48.3	43.7	39.0	34.5	30.2
42.5°	78.7	73.7	68.7	64.2	59.7	54.5	49.1	44.1	39.6	35.1	30.7
45°	81.8	76.7	72.0	67.0	61.4	55.8	50.4	45.1	40.3	35.7	31.2
47.5°	85.1	80.2	74.8	68.9	63.1	57.4	51.9	46.4	41.0	36.2	31.7
50°	88.9	83.2	77.1	71.0	64.9	59.2	53.4	47.5	41.9	36.9	32.5
52.5°	92.2	86.0	79.4	73.1	67.1	60.7	54.3	48.6	43.3	37.9	32.8
55°	95.5	88.6	81.9	75.5	68.6	61.7	55.7	49.9	44.1	38.5	33.3
57.5°	99.5	91.3	84.7	77.2	69.8	63.2	57.0	50.9	45.0	39.5	33.8
60°	103.4	94.8	86.6	78.6	71.4	64.7	58.3	51.8	45.5	39.3	33.8
62.5°	106.6	97.0	87.7	79.7	72.8	66.4	59.2	52.1	45.3	39.4	33.8
65°	109.0	98.4	88.7	80.3	73.2	66.4	59.6	52.0	45.4	38.8	32.4
67.5°	110.8	99.6	89.4	80.7	72.8	65.2	57.9	51.8	44.7	37.5	31.1
70°	112.5	100.6	90.0	80.7	72.0	63.5	56.0	49.3	42.9	36.3	29.5
72.5°	114.2	101.6	90.5	80.4	70.9	61.9	53.8	46.6	39.5	33.5	27.8
75°	116.1	102.7	90.9	80.1	69.8	60.1	51.7	43.6	36.1	29.9	25.5
77.5°	118.3	104.1	91.3	79.7	68.8	58.4	49.9	40.4	33.1	27.3	22.6
80°	120.7	105.7	91.9	79.0	67.0	56.5	47.2	38.0	30.8	24.7	19.5
82.5°	123.5	107.6	92.7	78.6	65.3	54.2	44.3	35.8	29.0	22.5	16.4
85°	126.7	109.9	93.8	78.5	64.0	52.2	42.3	34.3	28.0	22.1	16.2
87.5°	130.6	112.9	95.5	79.0	63.4	50.7	41.3	33.4	27.8	22.9	17.4
90°	135.3	116.7	98.0	80.4	63.7	50.0	41.2	33.3	28.4	24.5	19.6
92.5°	130.6	112.9	95.5	79.0	63.4	50.7	41.3	33.4	27.8	22.9	17.4
95°	126.7	109.9	93.8	78.5	64.0	52.2	42.3	34.3	28.0	22.1	16.2
97.5°	123.5	107.6	92.7	78.6	65.3	54.2	44.3	35.8	29.0	22.5	16.4
100°	120.7	105.7	91.9	79.0	67.0	56.5	47.2	38.0	30.8	24.7	19.5
102.5°	118.3	104.1	91.3	79.7	68.8	58.4	49.9	40.4	33.1	27.3	22.6
105°	116.1	102.7	90.9	80.1	69.8	60.1	51.7	43.6	36.1	29.9	25.5
107.5°	114.2	101.6	90.5	80.4	70.9	61.9	53.8	46.6	39.5	33.5	27.8
110°	112.5	100.6	90.0	80.7	72.0	63.5	56.0	49.3	42.9	36.3	29.5



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	110.8	99.6	89.4	80.7	72.8	65.2	57.9	51.8	44.7	37.5	31.1
115°	109.0	98.4	88.7	80.3	73.2	66.4	59.6	52.0	45.4	38.8	32.4
117.5°	106.6	97.0	87.7	79.7	72.8	66.4	59.2	52.1	45.3	39.4	33.8
120°	103.4	94.8	86.6	78.6	71.4	64.7	58.3	51.8	45.5	39.3	33.8
122.5°	99.5	91.3	84.7	77.2	69.8	63.2	57.0	50.9	45.0	39.5	33.8
125°	95.5	88.6	81.9	75.5	68.6	61.7	55.7	49.9	44.1	38.5	33.3
127.5°	92.2	86.0	79.4	73.1	67.1	60.7	54.3	48.6	43.3	37.9	32.8
130°	88.9	83.2	77.1	71.0	64.9	59.2	53.4	47.5	41.9	36.9	32.5
132.5°	85.1	80.2	74.8	68.9	63.1	57.4	51.9	46.4	41.0	36.2	31.7
135°	81.8	76.7	72.0	67.0	61.4	55.8	50.4	45.1	40.3	35.7	31.2
137.5°	78.7	73.7	68.7	64.2	59.7	54.5	49.1	44.1	39.6	35.1	30.7
140°	75.3	70.8	66.1	61.4	56.8	52.5	48.3	43.7	39.0	34.5	30.2
142.5°	71.9	67.8	63.4	59.1	54.6	50.2	46.0	42.0	38.1	34.1	29.9
145°	68.3	64.4	60.6	56.6	52.5	48.4	44.4	40.3	36.3	32.4	28.6
147.5°	64.3	60.7	57.2	53.7	50.1	46.4	42.6	38.8	35.0	31.2	27.5
150°	60.1	56.9	53.7	50.4	47.1	43.7	40.3	36.9	33.5	29.9	26.4
152.5°	56.1	53.1	50.1	47.0	43.9	40.8	37.7	34.5	31.3	28.1	24.9
155°	51.9	49.2	46.4	43.6	40.8	37.9	35.0	32.1	29.1	26.2	23.2
157.5°	47.2	45.0	42.6	40.1	37.5	34.9	32.2	29.6	26.9	24.2	21.4
160°	42.5	40.4	38.3	36.1	33.9	31.7	29.4	27.0	24.5	22.1	19.6
162.5°	38.0	36.1	34.1	32.2	30.1	28.1	26.1	24.0	21.9	19.8	17.6
165°	33.1	31.5	29.9	28.3	26.6	24.8	23.0	21.2	19.3	17.4	15.5
167.5°	28.1	26.8	25.4	24.1	22.6	21.2	19.7	18.2	16.7	15.1	13.5
170°	23.0	22.0	20.9	19.8	18.7	17.5	16.3	15.1	13.8	12.6	11.3
172.5°	17.7	17.0	16.2	15.4	14.5	13.6	12.8	11.9	10.9	10.0	9.0
175°	12.9	12.4	11.8	11.2	10.6	10.0	9.4	8.7	8.1	7.4	6.7
177.5°	8.2	8.0	7.7	7.4	7.1	6.8	6.5	6.2	5.9	5.6	5.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	4.9	4.6	4.2	3.9	3.6	3.2	2.9	3.2	3.6	3.9	4.2
5°	6.1	5.4	4.7	4.0	3.4	2.7	2.0	2.7	3.4	4.0	4.7
7.5°	8.0	7.0	6.1	5.0	4.0	3.0	2.0	3.0	4.0	5.0	6.1
10°	10.0	8.7	7.4	6.0	4.7	3.3	2.0	3.3	4.7	6.0	7.4
12.5°	11.9	10.3	8.6	7.0	5.3	3.7	2.0	3.7	5.3	7.0	8.6
15°	13.6	11.7	9.8	7.8	5.9	4.0	2.0	4.0	5.9	7.8	9.8
17.5°	15.5	13.3	11.0	8.8	6.5	4.3	2.0	4.3	6.5	8.8	11.0
20°	17.1	14.6	12.1	9.6	7.1	4.5	2.0	4.5	7.1	9.6	12.1
22.5°	18.7	15.9	13.2	10.4	7.6	4.8	2.0	4.8	7.6	10.4	13.2
25°	20.2	17.2	14.2	11.1	8.1	5.0	2.0	5.0	8.1	11.1	14.2
27.5°	21.6	18.4	15.1	11.8	8.6	5.3	2.0	5.3	8.6	11.8	15.1
30°	22.9	19.4	15.9	12.4	8.9	5.5	2.0	5.5	8.9	12.4	15.9
32.5°	23.8	20.1	16.5	12.8	9.2	5.6	2.0	5.6	9.2	12.8	16.5
35°	24.8	21.0	17.2	13.4	9.6	5.8	2.0	5.8	9.6	13.4	17.2
37.5°	25.7	21.6	17.6	13.6	9.7	5.8	2.0	5.8	9.7	13.6	17.6
40°	26.0	21.9	17.8	13.8	9.9	5.9	2.0	5.9	9.9	13.8	17.8
42.5°	26.5	22.3	18.1	14.0	10.0	6.0	2.0	6.0	10.0	14.0	18.1
45°	26.9	22.7	18.6	14.6	10.7	6.8	2.9	6.8	10.7	14.6	18.6
47.5°	27.4	23.3	19.2	15.1	11.0	7.0	2.9	7.0	11.0	15.1	19.2
50°	28.1	23.7	19.3	15.1	11.0	6.9	2.9	6.9	11.0	15.1	19.3
52.5°	28.1	23.8	19.5	15.3	11.2	7.0	2.9	7.0	11.2	15.3	19.5
55°	28.7	24.1	19.6	15.3	11.1	7.0	2.9	7.0	11.1	15.3	19.6
57.5°	28.5	23.9	19.6	15.3	11.2	7.0	2.9	7.0	11.2	15.3	19.6
60°	28.9	24.1	19.2	14.8	10.6	6.7	2.9	6.7	10.6	14.8	19.2
62.5°	28.0	22.5	18.1	14.0	10.2	6.5	2.9	6.5	10.2	14.0	18.1
65°	26.7	21.7	17.4	13.5	10.1	6.9	3.9	6.9	10.1	13.5	17.4
67.5°	25.4	20.5	16.3	12.5	9.0	5.9	2.9	5.9	9.0	12.5	16.3
70°	23.7	19.1	14.9	11.6	8.8	6.3	3.9	6.3	8.8	11.6	14.9
72.5°	22.5	18.1	14.4	10.6	7.8	5.7	3.9	5.7	7.8	10.6	14.4
75°	21.9	17.5	13.4	9.4	6.8	5.2	3.9	5.2	6.8	9.4	13.4
77.5°	19.4	17.5	12.4	7.3	2.6	0.5	0.0	0.5	2.6	7.3	12.4
80°	16.1	13.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1
82.5°	11.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	10.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	9.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	11.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	16.1	13.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1
102.5°	19.4	17.5	12.4	7.3	2.6	0.5	0.0	0.5	2.6	7.3	12.4
105°	21.9	17.5	13.4	9.4	6.8	5.2	3.9	5.2	6.8	9.4	13.4
107.5°	22.5	18.1	14.4	10.6	7.8	5.7	3.9	5.7	7.8	10.6	14.4
110°	23.7	19.1	14.9	11.6	8.8	6.3	3.9	6.3	8.8	11.6	14.9



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	25.4	20.5	16.3	12.5	9.0	5.9	2.9	5.9	9.0	12.5	16.3
115°	26.7	21.7	17.4	13.5	10.1	6.9	3.9	6.9	10.1	13.5	17.4
117.5°	28.0	22.5	18.1	14.0	10.2	6.5	2.9	6.5	10.2	14.0	18.1
120°	28.9	24.1	19.2	14.8	10.6	6.7	2.9	6.7	10.6	14.8	19.2
122.5°	28.5	23.9	19.6	15.3	11.2	7.0	2.9	7.0	11.2	15.3	19.6
125°	28.7	24.1	19.6	15.3	11.1	7.0	2.9	7.0	11.1	15.3	19.6
127.5°	28.1	23.8	19.5	15.3	11.2	7.0	2.9	7.0	11.2	15.3	19.5
130°	28.1	23.7	19.3	15.1	11.0	6.9	2.9	6.9	11.0	15.1	19.3
132.5°	27.4	23.3	19.2	15.1	11.0	7.0	2.9	7.0	11.0	15.1	19.2
135°	26.9	22.7	18.6	14.6	10.7	6.8	2.9	6.8	10.7	14.6	18.6
137.5°	26.5	22.3	18.1	14.0	10.0	6.0	2.0	6.0	10.0	14.0	18.1
140°	26.0	21.9	17.8	13.8	9.9	5.9	2.0	5.9	9.9	13.8	17.8
142.5°	25.7	21.6	17.6	13.6	9.7	5.8	2.0	5.8	9.7	13.6	17.6
145°	24.8	21.0	17.2	13.4	9.6	5.8	2.0	5.8	9.6	13.4	17.2
147.5°	23.8	20.1	16.5	12.8	9.2	5.6	2.0	5.6	9.2	12.8	16.5
150°	22.9	19.4	15.9	12.4	8.9	5.5	2.0	5.5	8.9	12.4	15.9
152.5°	21.6	18.4	15.1	11.8	8.6	5.3	2.0	5.3	8.6	11.8	15.1
155°	20.2	17.2	14.2	11.1	8.1	5.0	2.0	5.0	8.1	11.1	14.2
157.5°	18.7	15.9	13.2	10.4	7.6	4.8	2.0	4.8	7.6	10.4	13.2
160°	17.1	14.6	12.1	9.6	7.1	4.5	2.0	4.5	7.1	9.6	12.1
162.5°	15.5	13.3	11.0	8.8	6.5	4.3	2.0	4.3	6.5	8.8	11.0
165°	13.6	11.7	9.8	7.8	5.9	4.0	2.0	4.0	5.9	7.8	9.8
167.5°	11.9	10.3	8.6	7.0	5.3	3.7	2.0	3.7	5.3	7.0	8.6
170°	10.0	8.7	7.4	6.0	4.7	3.3	2.0	3.3	4.7	6.0	7.4
172.5°	8.0	7.0	6.1	5.0	4.0	3.0	2.0	3.0	4.0	5.0	6.1
175°	6.1	5.4	4.7	4.0	3.4	2.7	2.0	2.7	3.4	4.0	4.7
177.5°	4.9	4.6	4.2	3.9	3.6	3.2	2.9	3.2	3.6	3.9	4.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	4.6	4.9	5.2	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7
5°	5.4	6.1	6.7	7.4	8.1	8.7	9.4	10.0	10.6	11.2	11.8
7.5°	7.0	8.0	9.0	10.0	10.9	11.9	12.8	13.6	14.5	15.4	16.2
10°	8.7	10.0	11.3	12.6	13.8	15.1	16.3	17.5	18.7	19.8	20.9
12.5°	10.3	11.9	13.5	15.1	16.7	18.2	19.7	21.2	22.6	24.1	25.4
15°	11.7	13.6	15.5	17.4	19.3	21.2	23.0	24.8	26.6	28.3	29.9
17.5°	13.3	15.5	17.6	19.8	21.9	24.0	26.1	28.1	30.1	32.2	34.1
20°	14.6	17.1	19.6	22.1	24.5	27.0	29.4	31.7	33.9	36.1	38.3
22.5°	15.9	18.7	21.4	24.2	26.9	29.6	32.2	34.9	37.5	40.1	42.6
25°	17.2	20.2	23.2	26.2	29.1	32.1	35.0	37.9	40.8	43.6	46.4
27.5°	18.4	21.6	24.9	28.1	31.3	34.5	37.7	40.8	43.9	47.0	50.1
30°	19.4	22.9	26.4	29.9	33.5	36.9	40.3	43.7	47.1	50.4	53.7
32.5°	20.1	23.8	27.5	31.2	35.0	38.8	42.6	46.4	50.1	53.7	57.2
35°	21.0	24.8	28.6	32.4	36.3	40.3	44.4	48.4	52.5	56.6	60.6
37.5°	21.6	25.7	29.9	34.1	38.1	42.0	46.0	50.2	54.6	59.1	63.4
40°	21.9	26.0	30.2	34.5	39.0	43.7	48.3	52.5	56.8	61.4	66.1
42.5°	22.3	26.5	30.7	35.1	39.6	44.1	49.1	54.5	59.7	64.2	68.7
45°	22.7	26.9	31.2	35.7	40.3	45.1	50.4	55.8	61.4	67.0	72.0
47.5°	23.3	27.4	31.7	36.2	41.0	46.4	51.9	57.4	63.1	68.9	74.8
50°	23.7	28.1	32.5	36.9	41.9	47.5	53.4	59.2	64.9	71.0	77.1
52.5°	23.8	28.1	32.8	37.9	43.3	48.6	54.3	60.7	67.1	73.1	79.4
55°	24.1	28.7	33.3	38.5	44.1	49.9	55.7	61.7	68.6	75.5	81.9
57.5°	23.9	28.5	33.8	39.5	45.0	50.9	57.0	63.2	69.8	77.2	84.7
60°	24.1	28.9	33.8	39.3	45.5	51.8	58.3	64.7	71.4	78.6	86.6
62.5°	22.5	28.0	33.8	39.4	45.3	52.1	59.2	66.4	72.8	79.7	87.7
65°	21.7	26.7	32.4	38.8	45.4	52.0	59.6	66.4	73.2	80.3	88.7
67.5°	20.5	25.4	31.1	37.5	44.7	51.8	57.9	65.2	72.8	80.7	89.4
70°	19.1	23.7	29.5	36.3	42.9	49.3	56.0	63.5	72.0	80.7	90.0
72.5°	18.1	22.5	27.8	33.5	39.5	46.6	53.8	61.9	70.9	80.4	90.5
75°	17.5	21.9	25.5	29.9	36.1	43.6	51.7	60.1	69.8	80.1	90.9
77.5°	17.5	19.4	22.6	27.3	33.1	40.4	49.9	58.4	68.8	79.7	91.3
80°	13.2	16.1	19.5	24.7	30.8	38.0	47.2	56.5	67.0	79.0	91.9
82.5°	7.5	11.9	16.4	22.5	29.0	35.8	44.3	54.2	65.3	78.6	92.7
85°	2.7	9.7	16.2	22.1	28.0	34.3	42.3	52.2	64.0	78.5	93.8
87.5°	0.9	10.3	17.4	22.9	27.8	33.4	41.3	50.7	63.4	79.0	95.5
90°	0.0	11.8	19.6	24.5	28.4	33.3	41.2	50.0	63.7	80.4	98.0
92.5°	0.9	10.3	17.4	22.9	27.8	33.4	41.3	50.7	63.4	79.0	95.5
95°	2.7	9.7	16.2	22.1	28.0	34.3	42.3	52.2	64.0	78.5	93.8
97.5°	7.5	11.9	16.4	22.5	29.0	35.8	44.3	54.2	65.3	78.6	92.7
100°	13.2	16.1	19.5	24.7	30.8	38.0	47.2	56.5	67.0	79.0	91.9
102.5°	17.5	19.4	22.6	27.3	33.1	40.4	49.9	58.4	68.8	79.7	91.3
105°	17.5	21.9	25.5	29.9	36.1	43.6	51.7	60.1	69.8	80.1	90.9
107.5°	18.1	22.5	27.8	33.5	39.5	46.6	53.8	61.9	70.9	80.4	90.5
110°	19.1	23.7	29.5	36.3	42.9	49.3	56.0	63.5	72.0	80.7	90.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	20.5	25.4	31.1	37.5	44.7	51.8	57.9	65.2	72.8	80.7	89.4
115°	21.7	26.7	32.4	38.8	45.4	52.0	59.6	66.4	73.2	80.3	88.7
117.5°	22.5	28.0	33.8	39.4	45.3	52.1	59.2	66.4	72.8	79.7	87.7
120°	24.1	28.9	33.8	39.3	45.5	51.8	58.3	64.7	71.4	78.6	86.6
122.5°	23.9	28.5	33.8	39.5	45.0	50.9	57.0	63.2	69.8	77.2	84.7
125°	24.1	28.7	33.3	38.5	44.1	49.9	55.7	61.7	68.6	75.5	81.9
127.5°	23.8	28.1	32.8	37.9	43.3	48.6	54.3	60.7	67.1	73.1	79.4
130°	23.7	28.1	32.5	36.9	41.9	47.5	53.4	59.2	64.9	71.0	77.1
132.5°	23.3	27.4	31.7	36.2	41.0	46.4	51.9	57.4	63.1	68.9	74.8
135°	22.7	26.9	31.2	35.7	40.3	45.1	50.4	55.8	61.4	67.0	72.0
137.5°	22.3	26.5	30.7	35.1	39.6	44.1	49.1	54.5	59.7	64.2	68.7
140°	21.9	26.0	30.2	34.5	39.0	43.7	48.3	52.5	56.8	61.4	66.1
142.5°	21.6	25.7	29.9	34.1	38.1	42.0	46.0	50.2	54.6	59.1	63.4
145°	21.0	24.8	28.6	32.4	36.3	40.3	44.4	48.4	52.5	56.6	60.6
147.5°	20.1	23.8	27.5	31.2	35.0	38.8	42.6	46.4	50.1	53.7	57.2
150°	19.3	22.9	26.4	29.9	33.5	36.9	40.3	43.7	47.1	50.4	53.7
152.5°	18.4	21.6	24.9	28.1	31.3	34.5	37.7	40.8	43.9	47.0	50.1
155°	17.2	20.2	23.2	26.2	29.1	32.1	35.0	37.9	40.8	43.6	46.4
157.5°	15.9	18.7	21.4	24.2	26.9	29.6	32.2	34.9	37.5	40.1	42.6
160°	14.6	17.1	19.6	22.1	24.5	27.0	29.4	31.7	33.9	36.1	38.3
162.5°	13.3	15.5	17.6	19.8	21.9	24.0	26.1	28.1	30.1	32.2	34.1
165°	11.7	13.6	15.5	17.4	19.3	21.2	23.0	24.8	26.6	28.3	29.9
167.5°	10.3	11.9	13.5	15.1	16.7	18.2	19.7	21.2	22.6	24.1	25.4
170°	8.7	10.0	11.3	12.6	13.8	15.1	16.3	17.5	18.7	19.8	20.9
172.5°	7.0	8.0	9.0	10.0	10.9	11.9	12.8	13.6	14.5	15.4	16.2
175°	5.4	6.1	6.7	7.4	8.1	8.7	9.4	10.0	10.6	11.2	11.8
177.5°	4.6	4.9	5.2	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	8.0	8.2	8.5	8.8	9.0	9.2	9.5	9.7	9.9	10.1	10.3
5°	12.4	12.9	13.5	14.0	14.5	15.0	15.5	15.9	16.3	16.7	17.1
7.5°	17.0	17.7	18.5	19.1	19.9	20.6	21.3	22.0	22.6	23.2	23.7
10°	22.0	23.0	24.0	24.9	25.8	26.6	27.4	28.2	28.9	29.6	30.4
12.5°	26.8	28.1	29.4	30.6	31.7	32.9	33.8	34.8	35.6	36.4	37.1
15°	31.5	33.1	34.6	36.1	37.5	38.8	40.1	41.3	42.4	43.4	44.2
17.5°	36.1	38.0	39.8	41.5	43.1	44.7	46.2	47.6	48.9	50.2	51.3
20°	40.4	42.5	44.6	46.7	48.7	50.5	52.2	53.9	55.4	56.8	58.2
22.5°	45.0	47.2	49.4	51.5	53.8	56.0	58.2	60.1	61.8	63.4	65.0
25°	49.2	51.9	54.5	56.8	59.1	61.3	63.7	66.0	68.2	70.0	73.5
27.5°	53.1	56.1	59.0	61.9	64.6	67.0	70.6	75.1	79.9	84.9	89.6
30°	56.9	60.1	63.3	66.9	71.1	75.5	80.2	85.5	91.3	97.6	104.0
32.5°	60.7	64.3	68.1	72.3	76.9	82.0	87.5	93.7	100.7	108.3	116.4
35°	64.4	68.3	72.3	76.5	81.5	87.1	93.3	100.0	108.1	117.2	126.9
37.5°	67.8	71.9	76.1	80.6	85.3	91.1	97.8	105.4	113.7	124.3	135.8
40°	70.8	75.3	79.8	84.3	89.2	94.6	101.5	109.6	119.0	129.4	143.0
42.5°	73.7	78.7	83.3	88.0	93.0	98.5	104.6	113.2	123.1	134.4	148.6
45°	76.7	81.8	87.0	91.9	96.8	102.2	108.5	115.9	126.7	138.9	152.7
47.5°	80.2	85.1	90.4	95.9	100.9	106.2	112.1	119.7	129.7	142.5	157.5
50°	83.2	88.9	94.0	99.6	105.2	110.3	116.3	123.7	133.4	147.5	162.6
52.5°	86.0	92.2	98.0	103.4	109.4	117.1	124.2	132.0	141.7	153.8	168.3
55°	88.6	95.5	102.2	110.2	119.2	128.5	134.7	141.7	150.2	160.8	174.9
57.5°	91.3	99.5	108.4	117.9	128.4	138.8	146.5	152.0	158.9	169.2	182.4
60°	94.8	103.4	113.3	124.0	136.0	148.5	159.2	163.2	169.3	178.5	190.5
62.5°	97.0	106.6	117.3	129.1	142.3	157.5	170.3	175.9	180.3	187.9	199.2
65°	98.4	109.0	120.7	133.4	147.9	164.7	180.3	189.3	191.8	197.6	208.4
67.5°	99.6	110.8	123.6	137.5	153.0	170.9	190.1	203.3	203.7	208.2	218.4
70°	100.6	112.5	126.0	141.2	157.5	176.5	199.3	215.6	217.1	219.1	226.1
72.5°	101.6	114.2	128.0	144.7	161.9	181.0	201.5	216.3	219.0	219.5	225.7
75°	102.7	116.1	130.6	147.4	165.2	183.0	199.9	213.6	218.9	219.7	225.5
77.5°	104.1	118.3	133.5	150.3	168.8	186.4	200.5	211.8	218.4	219.7	225.5
80°	105.7	120.7	136.9	153.8	172.7	191.0	202.8	210.7	217.6	219.6	225.7
82.5°	107.6	123.5	140.7	157.9	177.1	196.7	206.5	210.1	216.5	219.5	226.1
85°	109.9	126.7	145.1	162.7	182.1	203.2	211.1	210.1	215.3	219.4	226.6
87.5°	112.9	130.6	150.1	168.2	187.7	210.2	216.3	210.3	214.0	219.5	227.4
90°	116.7	135.3	155.9	174.5	194.1	217.7	221.6	210.8	212.8	219.6	228.4
92.5°	112.9	130.6	150.1	168.2	187.7	210.2	216.3	210.3	214.0	219.5	227.4
95°	109.9	126.7	145.1	162.7	182.1	203.2	211.1	210.1	215.3	219.4	226.6
97.5°	107.6	123.5	140.7	157.9	177.1	196.7	206.5	210.1	216.5	219.5	226.1
100°	105.7	120.7	136.9	153.8	172.7	191.0	202.8	210.7	217.6	219.6	225.7
102.5°	104.1	118.3	133.5	150.3	168.8	186.4	200.5	211.8	218.4	219.7	225.5
105°	102.7	116.1	130.6	147.4	165.2	183.0	199.9	213.6	218.9	219.7	225.5
107.5°	101.6	114.2	128.0	144.7	161.9	181.0	201.5	216.3	219.0	219.5	225.7
110°	100.6	112.5	126.0	141.2	157.5	176.5	199.3	215.6	217.1	219.1	226.1



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	99.6	110.8	123.6	137.5	153.0	170.9	190.1	203.3	203.7	208.2	218.4
115°	98.4	109.0	120.7	133.4	147.9	164.7	180.3	189.3	191.8	197.6	208.4
117.5°	97.0	106.6	117.3	129.1	142.3	157.5	170.3	175.9	180.3	187.9	199.2
120°	94.8	103.4	113.3	124.0	136.0	148.5	159.2	163.2	169.3	178.5	190.5
122.5°	91.3	99.5	108.4	117.9	128.4	138.8	146.5	152.0	158.9	169.2	182.4
125°	88.6	95.5	102.2	110.2	119.2	128.5	134.7	141.7	150.2	160.8	174.9
127.5°	86.0	92.2	98.0	103.4	109.4	117.1	124.2	132.0	141.7	153.8	168.3
130°	83.2	88.9	94.0	99.6	105.2	110.3	116.3	123.7	133.4	147.5	162.6
132.5°	80.2	85.1	90.4	95.9	100.9	106.2	112.1	119.7	129.7	142.5	157.5
135°	76.7	81.8	87.0	91.9	96.8	102.2	108.5	115.9	126.7	138.9	152.7
137.5°	73.7	78.7	83.3	88.0	93.0	98.5	104.6	113.2	123.1	134.4	148.6
140°	70.8	75.3	79.8	84.3	89.2	94.6	101.5	109.6	119.0	129.4	143.0
142.5°	67.8	71.9	76.1	80.6	85.3	91.1	97.8	105.4	113.7	124.3	135.8
145°	64.4	68.3	72.3	76.5	81.5	87.1	93.3	100.0	108.1	117.2	126.9
147.5°	60.7	64.3	68.1	72.3	76.9	82.0	87.5	93.7	100.7	108.3	116.4
150°	56.9	60.1	63.3	66.9	71.1	75.5	80.2	85.5	91.3	97.6	104.0
152.5°	53.1	56.1	59.0	61.9	64.6	67.0	70.6	75.1	79.9	84.9	89.6
155°	49.2	51.9	54.5	56.8	59.1	61.3	63.7	66.0	68.2	70.0	73.5
157.5°	45.0	47.2	49.4	51.5	53.8	56.0	58.2	60.1	61.8	63.4	65.0
160°	40.4	42.5	44.6	46.7	48.7	50.5	52.2	53.9	55.4	56.8	58.2
162.5°	36.1	38.0	39.8	41.5	43.1	44.7	46.2	47.6	48.9	50.2	51.3
165°	31.5	33.1	34.6	36.1	37.5	38.8	40.1	41.3	42.4	43.4	44.2
167.5°	26.8	28.1	29.4	30.6	31.7	32.9	33.8	34.8	35.6	36.4	37.1
170°	22.0	23.0	24.0	24.9	25.8	26.6	27.4	28.2	28.9	29.6	30.4
172.5°	17.0	17.7	18.5	19.1	19.9	20.6	21.3	22.0	22.6	23.2	23.7
175°	12.4	12.9	13.5	14.0	14.5	15.0	15.5	15.9	16.3	16.7	17.1
177.5°	8.0	8.2	8.5	8.8	9.0	9.2	9.5	9.7	9.9	10.1	10.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	10.4	10.6	10.7	10.8	11.0	11.1	11.1	11.2	11.3	11.3	12.4
5°	17.5	17.8	18.2	18.5	18.7	19.0	19.2	19.4	19.5	19.7	21.8
7.5°	24.2	24.7	25.3	25.8	26.3	26.7	27.1	27.5	27.8	28.1	31.2
10°	31.1	31.7	32.3	32.8	33.5	34.2	34.8	35.4	36.0	36.5	40.6
12.5°	37.9	38.7	39.4	40.1	40.7	41.5	42.4	43.3	44.1	44.8	49.9
15°	45.0	45.7	46.5	47.3	48.0	48.7	49.9	51.1	52.2	53.2	59.1
17.5°	52.2	53.1	53.8	54.6	55.4	56.1	57.1	58.7	60.2	61.6	68.3
20°	59.5	60.4	61.2	61.9	62.8	63.6	64.4	66.3	68.2	70.0	77.5
22.5°	66.4	67.8	68.7	69.5	70.2	71.1	71.9	73.7	76.1	78.4	86.6
25°	77.2	80.8	84.2	87.2	90.0	93.1	96.2	99.6	103.7	107.5	117.0
27.5°	94.5	99.2	103.9	108.2	112.2	116.3	121.0	125.6	131.3	136.6	147.6
30°	110.2	116.3	122.3	128.2	133.5	138.7	145.2	151.3	158.7	165.7	178.3
32.5°	124.4	132.1	139.7	147.1	154.1	160.7	168.7	176.9	186.0	194.8	209.1
35°	137.1	146.6	156.1	165.1	174.0	182.2	191.6	202.0	213.0	223.8	240.0
37.5°	147.9	159.9	171.2	182.3	193.4	203.1	213.9	226.8	239.9	252.9	270.9
40°	157.2	171.8	185.3	198.6	211.3	223.4	235.6	251.2	266.7	282.0	301.9
42.5°	165.3	182.1	198.5	214.8	229.0	243.3	257.5	275.2	293.3	311.1	333.0
45°	171.8	191.3	210.7	228.8	246.0	262.7	278.6	298.9	319.8	340.2	364.1
47.5°	176.8	197.6	217.4	235.3	252.3	268.9	285.7	307.0	330.3	354.1	379.8
50°	179.6	199.9	219.0	237.2	254.7	272.2	291.1	314.1	340.4	368.1	395.2
52.5°	184.1	203.3	221.8	239.5	257.1	275.6	296.2	321.1	350.3	382.0	410.6
55°	190.5	207.9	225.5	242.3	259.8	279.0	301.1	328.0	360.1	396.0	426.1
57.5°	197.4	213.6	230.2	245.7	262.9	282.5	305.9	334.7	369.8	409.9	441.5
60°	204.8	220.5	236.3	250.0	266.4	286.1	310.5	341.4	379.4	423.9	456.8
62.5°	212.7	228.3	242.1	254.9	270.2	289.7	315.1	348.0	388.9	437.8	472.2
65°	221.4	236.5	249.3	260.5	274.4	293.5	319.6	354.6	398.3	451.8	487.5
67.5°	230.8	245.1	257.2	266.7	278.8	297.3	324.0	361.1	407.7	465.7	502.7
70°	236.2	248.1	258.6	266.5	276.9	294.6	321.0	358.3	405.1	464.5	507.5
72.5°	235.2	245.7	256.0	263.7	273.6	291.1	317.5	355.4	402.5	463.3	512.2
75°	234.7	243.8	253.6	261.0	270.5	287.8	314.3	352.7	400.0	462.1	518.9
77.5°	234.6	242.3	251.4	258.4	267.5	284.6	311.2	350.1	397.6	460.9	523.3
80°	234.9	241.2	249.3	256.0	264.7	281.6	308.3	347.8	395.3	459.7	527.7
82.5°	235.4	240.4	247.4	253.6	262.0	278.8	305.7	345.6	393.1	458.5	532.0
85°	236.2	239.9	245.6	251.3	259.5	276.2	303.2	343.6	391.0	457.3	536.4
87.5°	237.2	239.5	243.8	249.2	257.1	273.8	301.0	341.8	389.1	456.1	540.7
90°	238.2	239.2	242.2	247.1	254.9	271.6	299.0	340.2	387.3	454.9	545.1
92.5°	237.2	239.5	243.8	249.2	257.1	273.8	301.0	341.8	389.1	456.1	540.7
95°	236.2	239.9	245.6	251.3	259.5	276.2	303.2	343.6	391.0	457.3	536.4
97.5°	235.4	240.4	247.4	253.6	262.0	278.8	305.7	345.6	393.1	458.5	532.0
100°	234.9	241.2	249.3	256.0	264.7	281.6	308.3	347.8	395.3	459.7	527.7
102.5°	234.6	242.3	251.4	258.4	267.5	284.6	311.2	350.1	397.6	460.9	523.3
105°	234.7	243.8	253.6	261.0	270.5	287.8	314.3	352.7	400.0	462.1	518.9
107.5°	235.2	245.7	256.0	263.7	273.6	291.1	317.5	355.4	402.5	463.3	512.2
110°	236.2	248.1	258.6	266.5	276.9	294.6	321.0	358.3	405.1	464.5	507.5



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	230.8	245.1	257.2	266.7	278.8	297.3	324.0	361.1	407.7	465.7	502.7
115°	221.4	236.5	249.3	260.5	274.4	293.5	319.6	354.6	398.3	451.8	487.5
117.5°	212.7	228.3	242.1	254.9	270.2	289.7	315.1	348.0	388.9	437.8	472.2
120°	204.8	220.5	236.3	250.0	266.4	286.1	310.5	341.4	379.4	423.9	456.8
122.5°	197.4	213.6	230.2	245.7	262.9	282.5	305.9	334.7	369.8	409.9	441.5
125°	190.5	207.9	225.5	242.3	259.8	279.0	301.1	328.0	360.1	396.0	426.1
127.5°	184.1	203.3	221.8	239.5	257.1	275.6	296.2	321.1	350.3	382.0	410.6
130°	179.6	199.9	219.0	237.2	254.7	272.2	291.1	314.1	340.4	368.1	395.2
132.5°	176.8	197.6	217.4	235.3	252.3	268.9	285.7	307.0	330.3	354.1	379.8
135°	171.8	191.3	210.7	228.8	246.0	262.7	278.6	298.9	319.8	340.2	364.1
137.5°	165.3	182.1	198.5	214.8	229.0	243.3	257.5	275.2	293.3	311.1	333.0
140°	157.2	171.8	185.3	198.6	211.3	223.4	235.6	251.2	266.7	282.0	301.9
142.5°	147.9	159.9	171.2	182.3	193.4	203.1	213.9	226.8	239.9	252.9	270.9
145°	137.1	146.6	156.1	165.1	174.0	182.2	191.6	202.0	213.0	223.8	240.0
147.5°	124.4	132.1	139.7	147.1	154.1	160.7	168.7	176.9	186.0	194.8	209.1
150°	110.2	116.3	122.3	128.2	133.5	138.7	145.2	151.3	158.7	165.7	178.3
152.5°	94.5	99.2	103.9	108.2	112.2	116.3	121.0	125.6	131.3	136.6	147.6
155°	77.2	80.8	84.2	87.2	90.0	93.1	96.2	99.6	103.7	107.5	117.0
157.5°	66.4	67.8	68.7	69.5	70.2	71.1	71.9	73.7	76.1	78.4	86.6
160°	59.5	60.4	61.2	61.9	62.8	63.6	64.4	66.3	68.2	70.0	77.5
162.5°	52.2	53.1	53.8	54.6	55.4	56.1	57.1	58.7	60.2	61.6	68.3
165°	45.0	45.7	46.5	47.3	48.0	48.7	49.9	51.1	52.2	53.2	59.1
167.5°	37.9	38.7	39.4	40.1	40.7	41.5	42.4	43.3	44.1	44.8	49.9
170°	31.1	31.7	32.3	32.8	33.5	34.2	34.8	35.4	36.0	36.5	40.6
172.5°	24.2	24.7	25.3	25.8	26.3	26.7	27.1	27.5	27.8	28.1	31.2
175°	17.5	17.8	18.2	18.5	18.7	19.0	19.2	19.4	19.5	19.7	21.8
177.5°	10.4	10.6	10.7	10.8	11.0	11.1	11.1	11.2	11.3	11.3	12.4
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	13.4	14.5	15.5	16.5	17.5	18.4	19.4	20.3	21.1	21.9	22.7
5°	23.9	26.0	28.0	29.9	31.9	33.7	35.5	37.3	39.0	40.6	42.2
7.5°	34.3	37.3	40.3	43.2	46.0	48.7	51.6	55.0	58.3	61.5	64.6
10°	44.6	48.5	52.4	56.2	60.1	65.0	69.8	74.4	78.9	83.2	87.5
12.5°	54.8	59.6	64.4	69.6	76.0	82.1	88.1	94.0	99.7	105.5	111.1
15°	64.9	70.6	76.4	84.2	91.9	99.3	106.6	113.5	120.2	126.8	134.1
17.5°	74.9	81.4	89.7	98.9	107.9	116.4	124.2	131.8	139.3	146.5	153.6
20°	84.8	92.3	103.1	113.6	123.8	132.2	140.6	148.8	157.2	165.4	173.3
22.5°	94.7	104.3	116.5	128.4	138.1	147.0	155.8	165.3	174.6	183.6	192.2
25°	125.9	136.9	149.0	159.7	167.3	174.4	181.6	188.5	194.8	200.0	208.9
27.5°	158.0	171.0	184.1	194.2	202.4	210.1	217.5	224.3	229.5	234.4	239.0
30°	190.3	205.0	219.3	228.5	237.9	245.0	252.3	257.8	262.7	267.4	271.9
32.5°	223.2	238.8	252.6	262.6	271.4	278.8	285.0	289.8	294.4	298.8	305.3
35°	255.9	272.4	285.9	296.4	304.5	312.1	316.2	320.5	324.7	330.0	338.7
37.5°	288.5	305.9	319.1	329.9	336.8	342.5	346.2	350.0	354.1	361.7	371.0
40°	321.0	339.3	352.0	362.0	368.3	372.2	375.1	378.2	383.6	391.5	404.5
42.5°	353.4	372.3	384.8	393.5	398.8	400.9	403.0	405.3	412.3	422.3	436.2
45°	385.7	404.5	417.4	424.2	427.7	428.7	429.9	433.1	439.3	452.5	468.2
47.5°	405.3	428.6	446.5	456.5	462.4	464.6	464.2	463.5	467.8	482.1	499.4
50°	424.8	452.7	475.7	491.3	503.9	514.5	523.4	533.7	542.9	549.0	552.2
52.5°	444.7	477.8	505.9	528.2	548.7	568.9	589.8	611.2	630.4	641.1	642.7
55°	465.1	503.7	537.6	567.2	596.4	627.6	661.9	695.1	722.1	735.2	725.4
57.5°	485.9	530.3	570.6	608.4	647.3	690.1	739.1	783.5	814.2	822.8	800.7
60°	507.0	557.6	604.8	651.6	701.8	756.6	820.9	875.9	907.6	900.8	872.4
62.5°	528.4	585.4	640.1	696.6	758.8	828.6	906.3	971.8	1002.2	973.4	939.8
65°	550.0	613.7	676.1	743.0	818.0	903.4	993.7	1065.4	1096.8	1041.0	1003.3
67.5°	571.7	642.3	712.9	790.6	878.9	980.7	1083.1	1157.1	1171.7	1106.8	1063.4
70°	576.3	648.7	723.7	807.7	904.6	1018.9	1132.4	1215.2	1225.7	1168.7	1122.5
72.5°	579.8	653.1	730.5	816.7	915.3	1030.6	1139.1	1217.3	1223.9	1185.3	1148.5
75°	582.9	657.0	736.7	824.8	924.5	1040.0	1143.0	1219.6	1229.1	1206.0	1170.5
77.5°	585.5	660.6	742.5	832.0	932.3	1047.1	1144.3	1221.8	1240.1	1230.0	1192.5
80°	589.7	663.7	747.8	838.4	938.8	1052.2	1143.1	1223.7	1255.7	1256.7	1214.8
82.5°	590.8	668.3	755.5	843.9	944.0	1055.2	1139.8	1224.9	1274.4	1285.5	1237.5
85°	591.9	669.4	757.9	850.2	950.2	1059.5	1137.1	1228.4	1295.1	1315.5	1261.1
87.5°	593.0	670.5	760.4	852.6	951.1	1056.7	1128.4	1225.0	1317.1	1346.4	1285.0
90°	594.1	671.6	762.8	854.9	952.0	1054.0	1119.7	1221.6	1336.3	1376.5	1311.8
92.5°	593.0	670.5	760.4	852.6	951.1	1056.7	1128.4	1225.0	1317.1	1346.4	1285.0
95°	591.9	669.4	757.9	850.2	950.2	1059.5	1137.1	1228.4	1295.1	1315.5	1261.1
97.5°	590.8	668.3	755.5	843.9	944.0	1055.2	1139.8	1224.9	1274.4	1285.5	1237.5
100°	589.7	663.7	747.8	838.4	938.8	1052.2	1143.1	1223.7	1255.7	1256.7	1214.8
102.5°	585.5	660.6	742.5	832.0	932.3	1047.1	1144.3	1221.8	1240.1	1230.0	1192.5
105°	582.9	657.0	736.7	824.8	924.5	1040.0	1143.0	1219.6	1229.1	1206.0	1170.5
107.5°	579.8	653.1	730.5	816.7	915.3	1030.6	1139.1	1217.3	1223.9	1185.3	1148.5
110°	576.3	648.7	723.7	807.7	904.6	1018.9	1132.4	1215.2	1225.7	1168.7	1122.5



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	571.7	642.3	712.9	790.6	878.9	980.7	1083.1	1157.1	1171.7	1106.8	1063.4
115°	550.0	613.7	676.1	743.0	818.0	903.4	993.7	1065.4	1096.8	1041.0	1003.3
117.5°	528.4	585.4	640.1	696.6	758.8	828.6	906.3	971.8	1002.2	973.4	939.8
120°	507.0	557.6	604.8	651.6	701.8	756.6	820.9	875.9	907.6	900.8	872.4
122.5°	485.9	530.3	570.6	608.4	647.3	690.1	739.1	783.5	814.2	822.8	800.7
125°	465.1	503.7	537.6	567.2	596.4	627.6	661.9	695.1	722.1	735.2	725.4
127.5°	444.7	477.8	505.9	528.2	548.7	568.9	589.8	611.2	630.4	641.1	642.7
130°	424.8	452.7	475.7	491.3	503.9	514.5	523.4	533.7	542.9	549.0	552.2
132.5°	405.3	428.6	446.5	456.5	462.4	464.6	464.2	463.5	467.8	482.1	499.4
135°	385.7	404.5	417.4	424.2	427.7	428.7	429.9	433.1	439.3	452.5	468.2
137.5°	353.4	372.3	384.8	393.5	398.8	400.9	403.0	405.3	412.3	422.3	436.2
140°	321.0	339.3	352.0	362.0	368.3	372.2	375.1	378.2	383.6	391.5	404.5
142.5°	288.5	305.9	319.1	329.9	336.8	342.5	346.2	350.0	354.1	361.7	371.0
145°	255.9	272.4	285.9	296.4	304.5	312.1	316.2	320.5	324.7	330.0	338.7
147.5°	223.2	238.8	252.6	262.6	271.4	278.8	285.0	289.8	294.4	298.8	305.3
150°	190.3	205.0	219.3	228.5	237.9	245.0	252.3	257.8	262.7	267.4	271.9
152.5°	158.0	171.0	184.1	194.2	202.4	210.1	217.5	224.3	229.5	234.4	239.0
155°	125.9	136.9	149.0	159.7	167.3	174.4	181.6	188.5	194.8	200.0	208.9
157.5°	94.7	104.3	116.5	128.4	138.1	147.0	155.8	165.3	174.6	183.6	192.2
160°	84.8	92.3	103.1	113.6	123.8	132.2	140.6	148.8	157.2	165.4	173.3
162.5°	74.9	81.4	89.7	98.9	107.9	116.4	124.2	131.8	139.3	146.5	153.6
165°	64.9	70.6	76.4	84.2	91.9	99.3	106.6	113.5	120.2	126.8	134.1
167.5°	54.8	59.6	64.4	69.6	76.0	82.1	88.1	94.0	99.7	105.5	111.1
170°	44.6	48.5	52.4	56.2	60.1	65.0	69.8	74.4	78.9	83.2	87.5
172.5°	34.3	37.3	40.3	43.2	46.0	48.7	51.6	55.0	58.3	61.5	64.6
175°	23.9	26.0	28.0	29.9	31.9	33.7	35.5	37.3	39.0	40.6	42.2
177.5°	13.4	14.5	15.5	16.5	17.5	18.4	19.4	20.3	21.1	21.9	22.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	23.5	24.2	24.9	25.5	26.1	26.6	27.2	27.6	28.0	28.4	28.7
5°	44.1	46.0	47.7	49.4	51.0	52.4	53.8	55.0	56.1	57.2	58.1
7.5°	67.6	70.4	73.0	75.5	78.0	80.8	83.5	86.0	88.3	90.5	92.5
10°	91.8	96.2	100.4	104.5	108.4	112.1	115.6	118.7	121.3	123.6	125.7
12.5°	116.6	121.9	126.9	131.3	135.4	139.4	143.1	146.5	149.8	153.5	157.4
15°	139.2	144.9	150.3	155.6	160.7	166.6	172.3	177.9	183.2	188.4	193.0
17.5°	160.4	167.7	174.0	181.1	188.1	194.9	201.1	206.8	212.2	217.4	222.4
20°	181.3	189.3	197.2	204.9	211.9	218.8	225.5	232.2	238.8	245.0	250.6
22.5°	200.7	209.2	217.2	225.2	233.2	242.1	250.8	258.8	266.0	271.4	275.7
25°	217.8	226.5	236.2	246.4	257.3	267.6	277.3	285.8	292.8	299.1	305.1
27.5°	243.3	248.9	257.4	270.2	283.8	296.5	308.9	318.2	327.5	335.3	341.6
30°	278.5	287.0	296.0	307.4	318.3	330.9	344.6	356.5	366.2	374.4	382.0
32.5°	314.0	324.2	336.6	348.9	362.1	374.8	385.9	396.4	407.1	417.3	426.5
35°	349.0	362.2	375.8	390.4	404.4	417.4	429.4	440.6	451.0	462.9	476.8
37.5°	384.6	399.0	414.8	430.3	445.3	459.3	472.3	485.3	499.6	514.6	531.1
40°	418.8	435.6	452.6	469.6	485.4	500.2	516.3	532.8	551.7	572.7	596.2
42.5°	453.3	471.1	490.2	507.8	524.2	542.7	561.3	584.0	609.1	639.6	672.5
45°	486.3	506.9	526.6	544.6	564.7	585.3	609.7	636.7	672.8	711.4	755.5
47.5°	519.9	542.0	561.4	582.3	604.8	629.6	658.5	696.6	740.3	788.0	849.5
50°	556.5	575.0	595.9	620.1	644.9	672.9	712.1	758.3	811.5	880.6	953.6
52.5°	640.3	640.2	646.2	656.5	683.4	720.7	766.6	821.6	896.2	977.1	1063.4
55°	716.9	713.5	717.7	722.2	740.2	769.7	820.2	897.4	983.1	1075.3	1186.1
57.5°	787.8	781.8	779.9	783.8	805.2	841.8	898.6	974.7	1070.0	1183.0	1305.8
60°	854.0	844.1	836.4	844.8	869.5	910.7	981.1	1066.3	1167.4	1283.4	1415.1
62.5°	917.1	900.7	888.6	899.2	929.5	984.2	1059.4	1150.9	1265.6	1389.7	1531.7
65°	975.8	952.2	941.9	953.8	986.6	1047.8	1130.3	1235.8	1358.2	1496.8	1663.7
67.5°	1030.5	999.0	990.3	1005.3	1045.1	1109.7	1196.9	1309.7	1443.2	1611.9	1798.9
70°	1081.7	1043.2	1034.1	1051.8	1095.5	1164.4	1260.6	1382.9	1534.4	1717.9	1918.3
72.5°	1110.8	1082.2	1077.9	1097.1	1139.7	1214.2	1314.3	1447.3	1623.3	1807.7	1992.1
75°	1133.6	1113.3	1116.1	1140.9	1188.6	1262.9	1367.3	1508.2	1701.2	1875.0	2056.8
77.5°	1158.6	1145.3	1153.5	1182.3	1234.3	1313.3	1423.1	1574.5	1756.4	1928.4	2105.7
80°	1185.6	1178.1	1190.3	1221.3	1276.0	1357.0	1469.0	1625.5	1800.6	1979.1	2160.8
82.5°	1214.2	1211.4	1226.3	1258.2	1314.0	1394.7	1506.1	1662.1	1834.9	2019.4	2204.8
85°	1244.0	1245.1	1261.6	1293.3	1348.8	1427.0	1535.2	1686.0	1859.2	2048.5	2237.1
87.5°	1274.5	1279.0	1296.6	1327.3	1381.7	1456.3	1559.7	1702.7	1878.4	2072.1	2263.4
90°	1305.9	1312.8	1330.4	1358.9	1409.9	1478.5	1573.6	1703.0	1877.5	2071.7	2263.8
92.5°	1274.5	1279.0	1296.6	1327.3	1381.7	1456.3	1559.7	1702.7	1878.4	2072.1	2263.4
95°	1244.0	1245.1	1261.6	1293.3	1348.8	1427.0	1535.2	1686.0	1859.2	2048.5	2237.1
97.5°	1214.2	1211.4	1226.3	1258.2	1314.0	1394.7	1506.1	1662.1	1834.9	2019.4	2204.8
100°	1185.6	1178.1	1190.3	1221.3	1276.0	1357.0	1469.0	1625.5	1800.6	1979.1	2160.8
102.5°	1158.6	1145.3	1153.5	1182.3	1234.3	1313.3	1423.1	1574.5	1756.4	1928.4	2105.7
105°	1133.6	1113.3	1116.1	1140.9	1188.6	1262.9	1367.3	1508.2	1701.2	1875.0	2056.8
107.5°	1110.8	1082.2	1077.9	1097.1	1139.7	1214.2	1314.3	1447.3	1623.3	1807.7	1992.1
110°	1081.7	1043.2	1034.1	1051.8	1095.5	1164.4	1260.6	1382.9	1534.4	1717.9	1918.3



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1030.5	999.0	990.3	1005.3	1045.1	1109.7	1196.9	1309.7	1443.2	1611.9	1798.9
115°	975.8	952.2	941.9	953.8	986.6	1047.8	1130.3	1235.8	1358.2	1496.8	1663.7
117.5°	917.1	900.7	888.6	899.2	929.5	984.2	1059.4	1150.9	1265.6	1389.7	1531.7
120°	854.0	844.1	836.4	844.8	869.5	910.7	981.1	1066.3	1167.4	1283.4	1415.1
122.5°	787.8	781.8	779.9	783.8	805.2	841.8	898.6	974.7	1070.0	1183.0	1305.8
125°	716.9	713.5	717.7	722.2	740.2	769.7	820.2	897.4	983.1	1075.3	1186.1
127.5°	640.3	640.2	646.2	656.5	683.4	720.7	766.6	821.6	896.2	977.1	1063.4
130°	556.5	575.0	595.9	620.1	644.9	672.9	712.1	758.3	811.5	880.6	953.6
132.5°	519.9	542.0	561.4	582.3	604.8	629.6	658.5	696.6	740.3	788.0	849.5
135°	486.3	506.9	526.6	544.6	564.7	585.3	609.7	636.7	672.8	711.4	755.5
137.5°	453.3	471.1	490.2	507.8	524.2	542.7	561.3	584.0	609.1	639.6	672.5
140°	418.8	435.6	452.6	469.6	485.4	500.2	516.3	532.8	551.7	572.7	596.2
142.5°	384.6	399.0	414.8	430.3	445.3	459.3	472.3	485.3	499.6	514.6	531.1
145°	349.0	362.2	375.8	390.4	404.4	417.4	429.4	440.6	451.0	462.9	476.8
147.5°	314.0	324.2	336.6	348.9	362.1	374.8	385.9	396.4	407.1	417.3	426.5
150°	278.5	287.0	296.0	307.4	318.3	330.9	344.6	356.5	366.2	374.4	382.0
152.5°	243.3	248.9	257.4	270.2	283.8	296.5	308.9	318.2	327.5	335.3	341.6
155°	217.8	226.5	236.2	246.4	257.3	267.6	277.3	285.8	292.8	299.1	305.1
157.5°	200.7	209.2	217.2	225.2	233.2	242.1	250.8	258.8	266.0	271.4	275.7
160°	181.3	189.3	197.2	204.9	211.9	218.8	225.5	232.2	238.8	245.0	250.6
162.5°	160.4	167.7	174.0	181.1	188.1	194.9	201.1	206.8	212.2	217.4	222.4
165°	139.2	144.9	150.3	155.6	160.7	166.6	172.3	177.9	183.2	188.4	193.0
167.5°	116.6	121.9	126.9	131.3	135.4	139.4	143.1	146.5	149.8	153.5	157.4
170°	91.8	96.2	100.4	104.5	108.4	112.1	115.6	118.7	121.3	123.6	125.7
172.5°	67.6	70.4	73.0	75.5	78.0	80.8	83.5	86.0	88.3	90.5	92.5
175°	44.1	46.0	47.7	49.4	51.0	52.4	53.8	55.0	56.1	57.2	58.1
177.5°	23.5	24.2	24.9	25.5	26.1	26.6	27.2	27.6	28.0	28.4	28.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	29.0	29.2	29.4	29.5	29.6	29.6	30.5	30.1	29.8	29.4	29.1
5°	58.8	59.5	60.1	60.5	60.8	61.0	61.0	60.9	61.7	61.0	60.2
7.5°	94.3	95.9	97.3	98.5	99.6	100.4	101.0	101.4	101.6	102.6	101.7
10°	127.7	129.4	130.8	132.1	133.1	133.8	134.4	134.7	134.7	135.6	134.5
12.5°	161.0	164.4	167.5	170.2	172.7	174.9	176.7	178.1	179.2	179.9	181.0
15°	196.9	200.4	203.7	206.7	209.4	211.8	213.8	215.4	216.7	217.6	218.9
17.5°	227.1	231.1	234.7	237.9	240.6	242.8	244.6	245.9	246.8	247.3	248.1
20°	255.7	259.4	261.4	262.5	263.0	262.8	262.0	260.7	259.0	256.9	254.6
22.5°	278.9	281.1	283.2	285.0	285.8	285.7	284.8	283.2	280.8	277.8	274.9
25°	309.8	313.3	315.5	317.2	317.8	317.5	316.2	313.9	310.8	307.0	302.4
27.5°	346.6	350.4	352.9	355.4	358.1	359.8	360.4	360.0	358.5	355.8	352.1
30°	388.3	394.7	400.1	404.5	412.3	419.1	424.9	429.5	432.7	434.3	434.3
32.5°	436.0	447.7	459.1	469.9	481.6	492.9	502.7	510.8	517.1	521.3	523.4
35°	490.8	508.0	525.5	541.9	558.3	578.1	595.9	611.3	624.2	634.3	641.3
37.5°	552.6	575.2	603.3	630.2	655.5	682.0	706.4	727.9	746.2	761.0	771.9
40°	625.5	657.4	693.3	729.0	762.6	798.7	836.7	870.8	900.6	925.7	945.3
42.5°	710.4	748.7	792.7	845.3	895.5	943.7	991.2	1033.5	1070.2	1100.8	1125.1
45°	802.5	859.7	914.0	977.5	1039.8	1104.1	1161.7	1218.5	1265.9	1303.8	1332.1
47.5°	914.0	982.8	1051.2	1126.8	1215.4	1295.1	1369.4	1437.0	1494.1	1540.3	1575.1
50°	1032.9	1116.3	1216.9	1315.7	1419.2	1513.3	1603.1	1695.3	1775.1	1841.4	1893.0
52.5°	1165.0	1275.1	1391.2	1508.6	1640.1	1770.6	1885.0	1978.4	2066.1	2145.4	2213.5
55°	1304.2	1430.3	1567.0	1722.3	1871.4	1999.6	2115.4	2220.4	2315.4	2400.6	2474.1
57.5°	1436.5	1589.3	1756.0	1918.1	2075.5	2194.4	2312.4	2419.9	2513.4	2600.6	2679.3
60°	1572.7	1747.9	1932.1	2095.0	2238.8	2359.9	2464.0	2567.3	2663.2	2750.4	2828.1
62.5°	1702.9	1909.6	2087.0	2246.4	2368.0	2484.3	2588.8	2687.4	2786.8	2877.2	2957.0
65°	1860.0	2044.7	2214.1	2345.9	2471.3	2589.5	2698.7	2802.3	2901.2	2992.9	3072.0
67.5°	1991.0	2165.4	2297.8	2430.6	2559.9	2680.3	2796.5	2906.6	3009.2	3101.7	3180.1
70°	2091.2	2246.8	2383.1	2508.9	2632.0	2759.3	2882.5	2997.8	3108.1	3200.8	3270.8
72.5°	2167.3	2321.3	2457.5	2578.9	2701.0	2824.8	2951.0	3070.3	3189.4	3300.5	3363.5
75°	2229.3	2380.0	2511.4	2636.5	2765.1	2884.9	2998.7	3126.3	3256.9	3374.0	3440.8
77.5°	2280.9	2428.4	2549.9	2683.1	2813.1	2934.6	3050.3	3168.0	3299.2	3413.2	3493.0
80°	2322.5	2456.0	2578.6	2715.6	2848.1	2974.8	3095.6	3217.6	3330.4	3443.3	3522.1
82.5°	2352.7	2480.6	2610.7	2742.6	2870.1	2995.3	3128.0	3259.2	3378.6	3484.8	3540.3
85°	2368.0	2496.7	2630.3	2760.5	2893.4	3022.9	3152.8	3283.5	3413.5	3505.3	3526.6
87.5°	2374.8	2503.2	2636.9	2763.4	2904.7	3038.4	3161.9	3292.4	3425.5	3528.3	3565.3
90°	2362.8	2499.1	2630.5	2752.1	2901.1	3036.4	3147.2	3275.6	3403.1	3535.4	3582.5
92.5°	2374.8	2503.2	2636.9	2763.4	2904.7	3038.4	3161.9	3292.4	3425.5	3528.3	3565.3
95°	2368.0	2496.7	2630.3	2760.5	2893.4	3022.9	3152.8	3283.5	3413.5	3505.3	3526.6
97.5°	2352.7	2480.6	2610.7	2742.6	2870.1	2995.3	3128.0	3259.2	3378.6	3484.8	3540.3
100°	2322.5	2456.0	2578.6	2715.6	2848.1	2974.8	3095.6	3217.6	3330.4	3443.3	3522.1
102.5°	2280.9	2428.4	2549.9	2683.1	2813.1	2934.6	3050.3	3168.0	3299.2	3413.2	3493.0
105°	2229.3	2380.0	2511.4	2636.5	2765.1	2884.9	2998.7	3126.3	3256.9	3374.0	3440.8
107.5°	2167.3	2321.3	2457.5	2578.9	2701.0	2824.8	2951.0	3070.3	3189.4	3300.5	3363.5
110°	2091.2	2246.8	2383.1	2508.9	2632.0	2759.3	2882.5	2997.8	3108.1	3200.8	3270.8



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1991.0	2165.4	2297.8	2430.6	2559.9	2680.3	2796.5	2906.6	3009.2	3101.7	3180.1
115°	1860.0	2044.7	2214.1	2345.9	2471.3	2589.5	2698.7	2802.3	2901.2	2992.9	3072.0
117.5°	1702.9	1909.6	2087.0	2246.4	2368.0	2484.3	2588.8	2687.4	2786.8	2877.2	2957.0
120°	1572.7	1747.9	1932.1	2095.0	2238.8	2359.9	2464.0	2567.3	2663.2	2750.4	2828.1
122.5°	1436.5	1589.3	1756.0	1918.1	2075.5	2194.4	2312.4	2419.9	2513.4	2600.6	2679.3
125°	1304.2	1430.3	1567.0	1722.3	1871.4	1999.6	2115.4	2220.4	2315.4	2400.6	2474.1
127.5°	1165.0	1275.1	1391.2	1508.6	1640.1	1770.6	1885.0	1978.4	2066.1	2145.4	2213.5
130°	1032.9	1116.3	1216.9	1315.7	1419.2	1513.3	1603.1	1695.3	1775.1	1841.4	1893.0
132.5°	914.0	982.8	1051.2	1126.8	1215.4	1295.1	1369.4	1437.0	1494.1	1540.3	1575.1
135°	802.5	859.7	914.0	977.5	1039.8	1104.1	1161.7	1218.5	1265.9	1303.8	1332.1
137.5°	710.4	748.7	792.7	845.3	895.5	943.7	991.2	1033.5	1070.2	1100.8	1125.1
140°	625.5	657.4	693.3	729.0	762.6	798.7	836.7	870.8	900.6	925.7	945.3
142.5°	552.6	575.2	603.3	630.2	655.5	682.0	706.4	727.9	746.2	761.0	771.9
145°	490.8	508.0	525.5	541.9	558.3	578.1	595.9	611.3	624.2	634.3	641.3
147.5°	436.0	447.7	459.1	469.9	481.6	492.9	502.7	510.8	517.1	521.3	523.4
150°	388.3	394.7	400.1	404.5	412.3	419.1	424.9	429.5	432.7	434.3	434.3
152.5°	346.6	350.4	352.9	355.4	358.1	359.8	360.4	360.0	358.5	355.8	352.1
155°	309.8	313.3	315.5	317.2	317.8	317.5	316.2	313.9	310.8	307.0	302.4
157.5°	278.9	281.1	283.2	285.0	285.8	285.7	284.8	283.2	280.8	277.8	274.9
160°	255.7	259.4	261.4	262.5	263.0	262.8	262.0	260.7	259.0	256.9	254.6
162.5°	227.1	231.1	234.7	237.9	240.6	242.8	244.6	245.9	246.8	247.3	248.1
165°	196.9	200.4	203.7	206.7	209.4	211.8	213.8	215.4	216.7	217.6	218.9
167.5°	161.0	164.4	167.5	170.2	172.7	174.9	176.7	178.1	179.2	179.9	181.0
170°	127.7	129.4	130.8	132.1	133.1	133.8	134.4	134.7	134.7	135.6	134.5
172.5°	94.3	95.9	97.3	98.5	99.6	100.4	101.0	101.4	101.6	102.6	101.7
175°	58.8	59.5	60.1	60.5	60.8	61.0	61.0	60.9	61.7	61.0	60.2
177.5°	29.0	29.2	29.4	29.5	29.6	29.6	30.5	30.1	29.8	29.4	29.1
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2.9	2.9
2.5°	28.7	28.4
5°	59.5	58.8
7.5°	100.9	100.0
10°	133.5	132.4
12.5°	180.2	179.4
15°	218.3	217.7
17.5°	247.1	246.1
20°	251.8	249.0
22.5°	270.3	265.7
25°	297.3	291.2
27.5°	347.8	341.2
30°	433.4	428.4
32.5°	524.5	520.6
35°	646.9	645.1
37.5°	781.1	781.4
40°	962.5	966.7
42.5°	1146.3	1153.0
45°	1355.7	1360.8
47.5°	1604.3	1609.9
50°	1937.6	1948.1
52.5°	2277.1	2304.0
55°	2542.3	2578.5
57.5°	2754.6	2802.1
60°	2901.3	2952.1
62.5°	3025.8	3083.5
65°	3138.8	3194.2
67.5°	3244.9	3297.2
70°	3324.7	3365.8
72.5°	3401.8	3422.7
75°	3464.5	3474.6
77.5°	3508.2	3513.9
80°	3543.7	3535.4
82.5°	3572.8	3568.8
85°	3582.5	3626.6
87.5°	3558.0	3617.8
90°	3565.8	3562.9
92.5°	3558.0	3617.8
95°	3582.5	3626.6
97.5°	3572.8	3568.8
100°	3543.7	3535.4
102.5°	3508.2	3513.9
105°	3464.5	3474.6
107.5°	3401.8	3422.7
110°	3324.7	3365.8



TEST NUMBER: P232013

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	3244.9	3297.2
115°	3138.8	3194.2
117.5°	3025.8	3083.5
120°	2901.3	2952.1
122.5°	2754.6	2802.1
125°	2542.3	2578.5
127.5°	2277.1	2304.0
130°	1937.6	1948.1
132.5°	1604.3	1609.9
135°	1355.7	1360.8
137.5°	1146.3	1153.0
140°	962.5	966.7
142.5°	781.1	781.4
145°	646.9	645.1
147.5°	524.5	520.6
150°	433.4	428.4
152.5°	347.8	341.2
155°	297.3	291.2
157.5°	270.3	265.7
160°	251.8	249.0
162.5°	247.1	246.1
165°	218.3	217.7
167.5°	180.2	179.4
170°	133.5	132.4
172.5°	100.9	100.0
175°	59.5	58.8
177.5°	28.7	28.4
180°	2.0	2.0

(END OF REPORT)