

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: P232063

Luminaire Tested: **FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-28)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 2-MODULE LED WITH P125 LENS
Light Source: (168) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

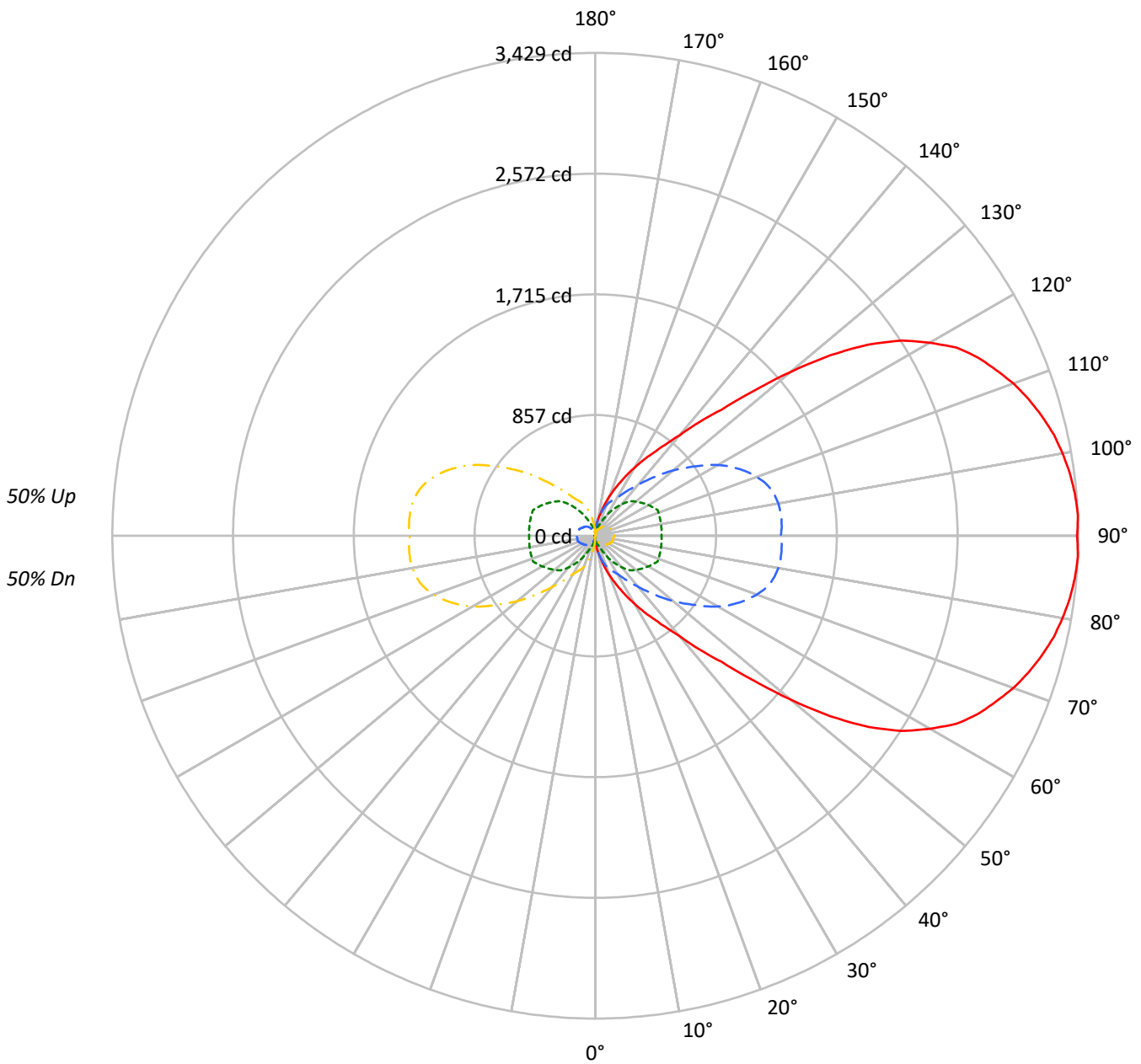
Lumens per Lamp: N/A
Luminaire Lumens: 8082.5 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 23.04 / 14.95 / 15.58
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 71.7
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	71	65	63	58	54	50	47	44	39	36	34	28
2	80	69	60	53	73	63	55	48	51	45	40	40	36	31	30	27	23	18
3	72	59	49	41	65	53	45	37	43	36	30	34	28	24	25	21	17	13
4	65	51	41	33	58	46	37	30	37	30	24	29	23	19	21	17	13	9
5	59	44	34	27	53	40	31	25	32	25	20	25	19	15	18	14	10	7
6	54	39	29	23	48	36	27	20	29	22	16	22	17	12	16	12	8	5
7	49	35	26	19	44	32	23	17	26	19	14	20	14	10	14	10	7	4
8	45	31	22	16	41	29	20	15	23	16	12	18	13	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	15	10	16	11	8	12	8	5	3
10	39	26	18	12	36	24	16	11	19	13	9	15	10	7	11	7	4	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43	43	43	43
5°	1166	440	19	440
10°	1920	842	17	842
15°	2841	1252	15	1252
20°	3936	1683	14	1683
25°	5115	2521	13	2521
30°	6477	3818	25	3818
35°	7952	5248	24	5248
40°	9996	6867	24	6867
45°	13210	8742	23	8742
50°	18543	10231	23	10231
55°	24024	12077	22	12077
60°	27765	14440	33	14440
65°	30509	17572	34	17572
70°	32595	21230	34	21230
75°	34570	25837	35	25837
80°	36526	33399	0	33399
85°	38490	47884	0	47884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	28.9	0.4
20°-30°	80.3	1.0
30°-40°	173.9	2.2
40°-50°	334.6	4.1
50°-60°	575.3	7.1
60°-70°	812.9	10.1
70°-80°	975.9	12.1
80°-90°	1055.2	13.1
90°-100°	1055.2	13.1
100°-110°	975.9	12.1
110°-120°	812.9	10.1
120°-130°	575.3	7.1
130°-140°	334.6	4.1
140°-150°	173.9	2.2
150°-160°	80.3	1.0
160°-170°	28.9	0.4
170°-180°	4.2	0.1
0°-30°	113.5	1.4
0°-40°	287.4	3.6
0°-60°	1197.2	14.8
0°-90°	4041.2	50.0
90°-120°	2844.0	35.2
90°-150°	3927.7	48.6
90°-180°	4041.0	50.0
0°-180°	8082.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	68	22	1	22	68	8
15°	202	63	1	63	202	61
25°	419	122	1	122	419	200
35°	717	235	2	235	717	462
45°	1266	348	2	348	1266	1025
55°	2366	406	2	406	2366	2100
65°	2996	464	3	464	2996	2960
75°	3282	476	3	476	3282	3466
85°	3417	472	0	472	3417	2782
90°	3420	470	0	470	3420	1877
95°	3417	472	0	472	3417	2782
105°	3282	476	3	476	3282	3466
115°	2996	464	3	464	2996	2960
125°	2366	406	2	406	2366	2100
135°	1266	348	2	348	1266	1025
145°	717	235	2	235	717	462
155°	419	122	1	122	419	200
165°	202	63	1	63	202	61
175°	68	22	1	22	68	8
180°	2	2	2	2	2	



TEST NUMBER: P232063

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	31.6	32.0	32.5	32.9	33.3	33.8	34.2	33.2	33.2	33.2	33.1
5°	67.6	68.5	69.3	70.2	71.0	70.1	70.2	70.2	70.0	69.6	69.2
7.5°	98.1	99.5	100.9	102.2	102.2	102.8	103.1	103.3	103.3	103.1	102.6
10°	124.3	126.3	128.3	130.3	130.6	131.7	132.5	133.0	133.3	133.4	133.2
12.5°	153.7	156.1	158.6	159.7	161.2	162.3	163.2	163.7	164.0	164.0	163.7
15°	201.7	203.6	205.5	205.0	205.1	204.8	204.1	203.1	201.8	200.1	198.2
17.5°	250.7	251.7	252.6	250.8	249.7	248.1	246.1	243.8	241.1	238.2	235.0
20°	301.9	301.9	301.9	298.5	296.0	292.9	289.2	285.1	280.6	275.6	270.4
22.5°	357.5	356.4	355.3	350.0	345.8	340.8	335.2	328.9	322.1	314.9	307.2
25°	418.6	416.2	411.4	406.1	399.8	392.6	384.6	375.9	366.5	356.5	346.1
27.5°	488.3	484.5	477.6	470.1	461.2	451.2	440.1	428.0	415.0	401.2	387.7
30°	559.2	555.4	548.0	539.7	529.6	517.7	503.9	488.3	470.9	451.8	435.0
32.5°	637.7	635.2	628.1	619.7	608.8	595.3	579.2	560.4	538.8	516.1	493.6
35°	717.2	716.8	711.2	704.1	693.9	680.6	664.0	644.1	620.6	594.9	566.4
37.5°	814.3	816.9	812.6	806.1	795.5	780.7	761.3	737.3	709.4	681.7	649.9
40°	933.1	938.2	934.2	927.7	916.1	899.4	877.4	850.1	819.3	784.8	744.9
42.5°	1095.5	1101.4	1094.2	1083.8	1066.8	1043.4	1013.8	978.0	942.8	903.0	857.4
45°	1265.5	1274.2	1267.7	1256.9	1238.0	1210.8	1175.3	1138.5	1087.3	1036.1	980.7
47.5°	1515.2	1522.1	1505.7	1484.1	1452.1	1410.2	1359.0	1305.0	1250.3	1186.5	1118.9
50°	1808.4	1806.4	1775.9	1740.8	1695.4	1641.2	1579.9	1512.8	1437.9	1345.5	1263.5
52.5°	2106.0	2094.0	2050.6	2002.3	1942.8	1874.2	1798.1	1719.1	1625.9	1521.5	1415.2
55°	2366.5	2342.7	2289.4	2232.4	2166.2	2093.2	2012.5	1914.5	1799.7	1683.1	1566.5
57.5°	2580.1	2546.7	2486.5	2422.8	2350.5	2271.6	2183.9	2085.4	1984.5	1844.9	1706.3
60°	2741.4	2704.1	2643.3	2577.9	2502.9	2419.3	2326.2	2228.5	2120.5	1998.3	1857.9
62.5°	2891.9	2840.7	2778.7	2707.8	2629.8	2547.4	2448.9	2348.1	2239.0	2125.8	1989.4
65°	2996.5	2949.5	2891.4	2821.1	2738.0	2647.0	2551.6	2447.2	2335.8	2220.3	2098.3
67.5°	3078.3	3034.8	2981.3	2916.8	2840.8	2746.5	2642.6	2533.2	2414.8	2295.9	2177.0
70°	3160.0	3124.2	3074.8	3009.4	2924.7	2830.0	2723.2	2608.0	2488.5	2364.5	2254.6
72.5°	3225.4	3196.1	3154.8	3099.5	3017.5	2908.4	2796.9	2670.7	2554.4	2441.1	2322.7
75°	3282.1	3265.8	3233.0	3165.6	3069.7	2971.2	2858.7	2739.8	2613.0	2498.2	2380.4
77.5°	3332.2	3319.8	3295.8	3225.6	3123.9	3008.7	2909.2	2791.5	2663.2	2538.7	2422.4
80°	3368.2	3354.5	3328.3	3272.5	3171.2	3057.0	2945.1	2834.9	2695.4	2567.5	2448.8
82.5°	3398.7	3379.1	3355.9	3306.0	3212.2	3088.7	2970.9	2850.7	2719.6	2592.3	2475.4
85°	3417.3	3394.0	3385.6	3324.0	3225.0	3102.8	2984.2	2868.2	2741.7	2611.7	2490.1
87.5°	3429.3	3410.5	3382.4	3333.9	3235.8	3114.5	2989.4	2871.3	2745.6	2618.8	2493.0
90°	3420.5	3392.2	3373.7	3319.2	3227.6	3102.2	2976.9	2857.0	2732.7	2612.8	2485.3
92.5°	3429.3	3410.5	3382.4	3333.9	3235.8	3114.5	2989.4	2871.3	2745.6	2618.8	2493.0
95°	3417.3	3394.0	3385.6	3324.0	3225.0	3102.8	2984.2	2868.2	2741.7	2611.7	2490.1
97.5°	3398.7	3379.1	3355.9	3306.0	3212.2	3088.7	2970.9	2850.7	2719.6	2592.3	2475.4
100°	3368.2	3354.5	3328.3	3272.5	3171.2	3057.0	2945.1	2834.9	2695.4	2567.5	2448.8
102.5°	3332.2	3319.8	3295.8	3225.6	3123.9	3008.7	2909.2	2791.5	2663.2	2538.7	2422.4
105°	3282.1	3265.8	3233.0	3165.6	3069.7	2971.2	2858.7	2739.8	2613.0	2498.2	2380.4
107.5°	3225.4	3196.1	3154.8	3099.5	3017.5	2908.4	2796.9	2670.7	2554.4	2441.1	2322.7
110°	3160.0	3124.2	3074.8	3009.4	2924.7	2830.0	2723.2	2608.0	2488.5	2364.5	2254.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	3078.3	3034.8	2981.3	2916.8	2840.8	2746.5	2642.6	2533.2	2414.8	2295.9	2177.0
115°	2996.5	2949.5	2891.4	2821.1	2738.0	2647.0	2551.6	2447.2	2335.8	2220.3	2098.3
117.5°	2891.9	2840.7	2778.7	2707.8	2629.8	2547.4	2448.9	2348.1	2239.0	2125.8	1989.4
120°	2741.4	2704.1	2643.3	2577.9	2502.9	2419.3	2326.2	2228.5	2120.5	1998.3	1857.9
122.5°	2580.1	2546.7	2486.5	2422.8	2350.5	2271.6	2183.9	2085.4	1984.5	1844.9	1706.3
125°	2366.5	2342.7	2289.4	2232.4	2166.2	2093.2	2012.5	1914.5	1799.7	1683.1	1566.5
127.5°	2106.0	2094.0	2050.6	2002.3	1942.8	1874.2	1798.1	1719.1	1625.9	1521.5	1415.2
130°	1808.4	1806.4	1775.9	1740.8	1695.4	1641.2	1579.9	1512.8	1437.9	1345.5	1263.5
132.5°	1515.2	1522.1	1505.7	1484.1	1452.1	1410.2	1359.0	1305.0	1250.3	1186.5	1118.9
135°	1265.5	1274.2	1267.7	1256.9	1238.0	1210.8	1175.3	1138.5	1087.3	1036.1	980.7
137.5°	1095.5	1101.4	1094.2	1083.8	1066.8	1043.4	1013.8	978.0	942.8	903.0	857.4
140°	933.1	938.2	934.2	927.7	916.1	899.4	877.4	850.1	819.3	784.8	744.9
142.5°	814.3	816.9	812.6	806.1	795.5	780.7	761.3	737.3	709.4	681.7	649.9
145°	717.2	716.8	711.2	704.1	693.9	680.6	664.0	644.1	620.6	594.9	566.4
147.5°	637.7	635.2	628.1	619.7	608.8	595.3	579.2	560.4	538.8	516.1	493.6
150°	559.2	555.4	548.0	539.7	529.6	517.7	503.9	488.3	470.9	451.8	435.0
152.5°	488.3	484.5	477.6	470.1	461.2	451.2	440.1	428.0	415.0	401.2	387.7
155°	418.6	416.2	411.4	406.1	399.8	392.6	384.6	375.9	366.5	356.5	346.1
157.5°	357.5	356.4	355.3	350.0	345.8	340.8	335.2	328.9	322.1	314.9	307.2
160°	301.9	301.9	301.9	298.5	296.0	292.9	289.2	285.1	280.6	275.6	270.4
162.5°	250.7	251.7	252.6	250.8	249.7	248.1	246.1	243.8	241.1	238.2	235.0
165°	201.7	203.6	205.5	205.0	205.1	204.8	204.1	203.1	201.8	200.1	198.2
167.5°	153.7	156.1	158.6	159.7	161.2	162.3	163.2	163.7	164.0	164.0	163.7
170°	124.3	126.3	128.3	130.3	130.6	131.7	132.5	133.0	133.3	133.4	133.2
172.5°	98.1	99.5	100.9	102.2	102.2	102.8	103.1	103.3	103.3	103.1	102.6
175°	67.6	68.5	69.3	70.2	71.0	70.1	70.2	70.2	70.0	69.6	69.2
177.5°	31.6	32.0	32.5	32.9	33.3	33.8	34.2	33.2	33.2	33.2	33.1
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	32.9	32.6	32.4	32.0	31.6	31.1	30.6	30.1	29.4	28.8	28.0
5°	68.6	67.8	66.9	65.9	64.7	63.4	62.0	60.5	58.8	57.0	55.1
7.5°	102.0	101.2	100.2	99.0	97.6	96.0	94.2	92.3	90.1	87.5	84.7
10°	132.8	132.2	131.2	130.1	128.6	127.0	124.8	122.2	119.3	116.2	112.9
12.5°	163.1	162.2	161.1	159.7	158.0	155.9	153.6	150.9	147.9	144.6	141.0
15°	196.1	193.8	191.3	189.3	187.2	184.9	182.2	179.2	175.9	172.0	167.6
17.5°	231.7	228.2	224.7	221.1	217.5	213.9	210.3	206.6	202.8	198.7	194.2
20°	264.8	259.7	254.9	250.2	245.4	240.8	236.4	232.2	228.2	224.2	219.5
22.5°	299.5	292.3	285.1	277.7	270.2	264.2	259.0	254.0	249.4	245.1	241.2
25°	336.3	326.4	316.2	305.9	296.7	288.2	279.8	271.9	266.9	262.3	258.7
27.5°	374.9	361.8	348.5	335.7	323.9	312.2	301.9	291.8	283.1	275.7	271.7
30°	417.6	399.7	382.7	366.5	351.3	336.2	323.4	310.9	304.3	302.0	299.3
32.5°	469.3	443.2	420.7	400.0	379.1	361.5	352.4	345.3	340.1	334.4	331.1
35°	534.8	502.0	471.9	440.0	417.4	405.7	392.9	384.6	375.8	369.0	362.9
37.5°	614.2	576.8	536.7	508.9	483.0	458.1	440.9	425.8	413.6	403.7	395.6
40°	701.8	661.6	626.7	592.2	557.4	525.1	496.7	471.8	454.5	439.7	428.6
42.5°	810.5	765.7	720.8	680.5	641.7	599.4	560.2	528.3	498.6	478.9	462.9
45°	930.2	877.1	825.1	772.1	723.5	675.7	631.7	588.1	552.8	521.0	499.1
47.5°	1053.9	989.8	930.1	869.9	811.6	755.6	702.9	654.7	608.9	570.3	539.1
50°	1181.2	1106.5	1034.2	967.3	904.1	837.8	777.0	719.7	669.4	622.8	581.2
52.5°	1312.7	1223.3	1138.7	1062.0	989.4	921.7	851.7	788.0	730.0	676.4	641.6
55°	1450.9	1338.3	1242.2	1152.7	1073.6	998.0	924.3	856.2	799.2	751.4	717.2
57.5°	1579.9	1456.5	1340.8	1241.5	1151.6	1072.6	1000.7	933.9	872.6	820.9	785.0
60°	1701.1	1564.7	1437.3	1322.1	1230.2	1147.6	1073.4	1004.5	941.8	888.1	847.6
62.5°	1838.0	1665.9	1529.3	1412.2	1307.4	1216.1	1138.7	1068.9	1005.3	947.9	904.7
65°	1951.4	1789.1	1620.7	1494.1	1382.5	1283.3	1196.5	1124.8	1062.4	1005.1	961.4
67.5°	2051.7	1891.2	1720.5	1568.5	1448.1	1342.9	1250.4	1175.7	1113.3	1058.0	1012.1
70°	2128.6	1976.9	1808.8	1634.5	1506.5	1398.3	1301.9	1220.1	1157.2	1105.2	1057.3
72.5°	2202.1	2049.0	1872.4	1698.2	1554.2	1443.4	1346.4	1260.5	1195.2	1146.8	1100.5
75°	2257.7	2113.3	1933.2	1743.4	1589.6	1479.9	1381.0	1288.5	1220.4	1173.4	1135.1
77.5°	2306.5	2169.1	1983.6	1789.1	1630.1	1506.4	1400.2	1307.0	1237.5	1194.0	1164.6
80°	2338.1	2209.4	2033.4	1834.0	1663.1	1528.9	1415.4	1319.0	1249.5	1209.8	1189.8
82.5°	2365.3	2243.3	2075.4	1864.4	1686.5	1546.7	1426.3	1325.2	1257.3	1221.6	1211.5
85°	2382.3	2267.2	2107.1	1881.0	1700.6	1559.4	1432.5	1326.3	1261.6	1230.5	1230.9
87.5°	2389.5	2286.1	2134.4	1890.1	1709.8	1569.6	1436.6	1324.5	1263.9	1237.7	1248.8
90°	2387.2	2282.5	2129.9	1876.0	1702.6	1566.4	1430.1	1316.8	1263.4	1244.8	1266.6
92.5°	2389.5	2286.1	2134.4	1890.1	1709.8	1569.6	1436.6	1324.5	1263.9	1237.7	1248.7
95°	2382.3	2267.2	2107.1	1881.0	1700.6	1559.4	1432.5	1326.3	1261.6	1230.5	1230.9
97.5°	2365.3	2243.3	2075.4	1864.4	1686.5	1546.7	1426.3	1325.2	1257.3	1221.6	1211.5
100°	2338.1	2209.4	2033.4	1834.0	1663.1	1528.9	1415.4	1319.0	1249.5	1209.8	1189.8
102.5°	2306.5	2169.1	1983.6	1789.1	1630.1	1506.4	1400.2	1307.0	1237.5	1194.0	1164.6
105°	2257.7	2113.3	1933.2	1743.4	1589.6	1479.9	1381.0	1288.5	1220.4	1173.4	1135.1
107.5°	2202.1	2049.0	1872.4	1698.2	1554.2	1443.4	1346.4	1260.5	1195.2	1146.8	1100.5
110°	2128.6	1976.9	1808.8	1634.5	1506.5	1398.3	1301.9	1220.1	1157.2	1105.2	1057.3



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	2051.7	1891.2	1720.5	1568.5	1448.1	1342.9	1250.4	1175.7	1113.3	1058.0	1012.1
115°	1951.4	1789.1	1620.7	1494.1	1382.5	1283.3	1196.5	1124.8	1062.4	1005.1	961.4
117.5°	1838.0	1665.9	1529.3	1412.2	1307.4	1216.1	1138.7	1068.9	1005.3	947.9	904.7
120°	1701.1	1564.7	1437.3	1322.1	1230.2	1147.6	1073.4	1004.5	941.8	888.1	847.6
122.5°	1579.9	1456.5	1340.8	1241.5	1151.6	1072.6	1000.7	933.9	872.6	820.9	785.0
125°	1450.9	1338.3	1242.2	1152.7	1073.6	998.0	924.3	856.2	799.2	751.4	717.2
127.5°	1312.7	1223.3	1138.7	1062.0	989.4	921.7	851.7	788.0	730.0	676.4	641.6
130°	1181.2	1106.5	1034.2	967.3	904.1	837.8	777.0	719.7	669.4	622.8	581.2
132.5°	1053.9	989.8	930.1	869.9	811.6	755.6	702.9	654.7	608.9	570.3	539.1
135°	930.2	877.1	825.1	772.1	723.5	675.7	631.7	588.1	552.8	521.0	499.1
137.5°	810.5	765.7	720.8	680.5	641.7	599.4	560.2	528.3	498.6	478.9	462.9
140°	701.8	661.6	626.7	592.2	557.4	525.1	496.7	471.8	454.5	439.7	428.6
142.5°	614.2	576.8	536.7	508.9	483.0	458.1	440.9	425.8	413.6	403.7	395.6
145°	534.8	502.0	471.9	440.0	417.4	405.7	392.9	384.6	375.8	369.0	362.9
147.5°	469.3	443.2	420.7	400.0	379.1	361.5	352.4	345.3	340.1	334.4	331.1
150°	417.6	399.7	382.7	366.5	351.3	336.2	323.4	310.9	304.3	302.0	299.3
152.5°	374.9	361.8	348.5	335.7	323.9	312.2	301.9	291.8	283.1	275.7	271.7
155°	336.3	326.4	316.2	305.9	296.7	288.2	279.8	271.9	266.9	262.3	258.7
157.5°	299.5	292.3	285.1	277.7	270.2	264.2	259.0	254.0	249.4	245.1	241.2
160°	264.8	259.7	254.9	250.2	245.4	240.8	236.4	232.2	228.2	224.2	219.5
162.5°	231.7	228.2	224.7	221.1	217.5	213.9	210.3	206.6	202.8	198.7	194.2
165°	196.1	193.8	191.3	189.3	187.2	184.9	182.2	179.2	175.9	172.0	167.6
167.5°	163.1	162.2	161.1	159.7	158.0	155.9	153.6	150.9	147.9	144.6	141.0
170°	132.8	132.2	131.2	130.1	128.6	127.0	124.8	122.2	119.3	116.2	112.9
172.5°	102.0	101.2	100.2	99.0	97.6	96.0	94.2	92.3	90.1	87.5	84.7
175°	68.6	67.8	66.9	65.9	64.7	63.4	62.0	60.5	58.8	57.0	55.1
177.5°	32.9	32.6	32.4	32.0	31.6	31.1	30.6	30.1	29.4	28.8	28.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	27.3	26.5	25.6	24.7	23.7	22.8	21.7	20.7	19.6	18.4	17.3
5°	53.1	51.0	48.8	47.0	45.1	43.1	41.1	39.0	36.8	34.6	32.3
7.5°	81.7	78.5	75.2	71.7	68.1	64.3	60.5	57.2	53.9	50.6	47.2
10°	109.3	105.5	101.7	96.8	92.0	87.0	81.8	76.5	71.1	66.5	61.9
12.5°	136.5	131.7	126.6	121.2	115.5	109.5	103.1	96.5	89.7	82.7	76.6
15°	162.9	157.8	153.1	145.7	138.8	131.6	124.1	116.3	108.2	99.9	91.4
17.5°	190.2	183.3	176.8	170.0	162.5	154.0	145.1	135.9	126.5	116.9	107.1
20°	214.1	208.3	202.0	194.0	185.5	176.7	166.4	155.7	144.8	133.8	122.6
22.5°	237.6	231.8	225.1	218.0	208.8	198.6	188.0	175.8	163.2	150.5	138.1
25°	254.8	251.8	247.5	239.7	233.7	225.4	215.9	205.7	194.0	181.8	169.6
27.5°	272.3	273.0	273.4	272.3	266.2	259.6	250.3	240.2	228.8	216.2	203.1
30°	299.5	299.9	300.0	299.9	297.7	291.0	283.5	273.3	263.5	249.7	236.6
32.5°	328.1	327.0	326.9	326.4	325.6	321.5	314.2	305.2	294.7	282.5	269.0
35°	358.6	355.3	353.9	353.1	352.0	350.5	343.8	336.7	325.8	314.5	301.0
37.5°	389.1	384.7	381.2	379.9	378.9	376.7	372.7	365.0	355.9	345.7	332.4
40°	420.2	413.5	409.7	406.5	405.0	402.9	400.4	393.4	385.0	375.4	363.3
42.5°	450.9	443.2	437.1	433.9	431.4	429.2	426.3	421.0	413.2	404.4	393.5
45°	483.5	471.5	465.1	460.6	457.7	455.2	452.2	448.2	440.6	432.6	423.3
47.5°	515.1	502.0	492.4	486.9	484.0	484.2	485.3	482.9	474.7	464.0	451.8
50°	553.0	534.6	535.4	541.6	545.0	544.0	539.0	530.1	515.9	498.2	481.0
52.5°	617.1	608.2	610.1	614.2	615.9	608.2	596.4	580.6	559.9	534.2	511.3
55°	690.4	680.9	681.7	687.5	689.7	676.5	657.4	634.2	606.6	572.4	542.7
57.5°	760.3	748.0	750.8	759.9	762.4	748.6	721.5	690.6	655.3	612.8	575.1
60°	823.0	811.7	817.8	829.5	835.6	824.2	788.5	749.5	705.6	654.9	608.6
62.5°	882.4	874.1	880.9	897.0	909.3	902.8	858.1	810.3	757.7	698.5	642.8
65°	937.0	931.0	940.0	962.6	983.0	978.1	930.1	873.0	811.4	743.4	677.7
67.5°	985.9	982.8	995.8	1025.8	1051.1	1050.9	1003.9	937.1	866.4	789.2	713.1
70°	1031.1	1032.6	1051.6	1084.0	1107.0	1100.7	1047.1	966.5	885.6	802.3	721.0
72.5°	1075.0	1073.9	1088.5	1113.8	1129.3	1114.2	1059.2	974.0	889.9	806.6	724.4
75°	1112.3	1111.2	1124.2	1145.4	1156.3	1130.3	1070.7	980.9	893.3	809.8	727.0
77.5°	1146.2	1147.7	1160.8	1178.5	1187.1	1148.3	1081.4	987.1	895.5	812.0	729.0
80°	1177.2	1183.6	1198.1	1213.0	1220.7	1167.5	1091.2	992.5	896.8	813.1	730.4
82.5°	1206.1	1219.2	1236.1	1248.6	1256.1	1187.2	1099.8	996.9	897.0	813.4	733.2
85°	1233.7	1254.7	1274.6	1285.0	1292.2	1210.4	1110.6	1003.1	898.2	814.3	732.3
87.5°	1260.5	1290.1	1313.4	1321.9	1329.1	1226.5	1113.9	1002.9	895.0	811.5	731.3
90°	1288.4	1326.6	1352.7	1359.3	1362.5	1242.6	1117.3	1002.8	891.7	808.8	730.3
92.5°	1260.5	1290.1	1313.4	1321.9	1329.1	1226.5	1113.9	1002.9	895.0	811.5	731.3
95°	1233.7	1254.7	1274.6	1285.0	1292.2	1210.4	1110.6	1003.1	898.2	814.3	732.3
97.5°	1206.1	1219.2	1236.1	1248.6	1256.1	1187.2	1099.8	996.9	897.0	813.4	733.2
100°	1177.2	1183.6	1198.1	1213.0	1220.7	1167.5	1091.2	992.5	896.8	813.1	730.4
102.5°	1146.2	1147.7	1160.8	1178.5	1187.1	1148.3	1081.4	987.1	895.5	812.0	729.0
105°	1112.3	1111.2	1124.2	1145.4	1156.3	1130.3	1070.7	980.9	893.3	809.8	727.0
107.5°	1075.0	1073.9	1088.5	1113.8	1129.3	1114.2	1059.2	974.0	889.9	806.6	724.4
110°	1031.1	1032.6	1051.6	1084.0	1107.0	1100.7	1047.1	966.5	885.6	802.3	721.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	985.9	982.8	995.8	1025.8	1051.1	1050.9	1003.9	937.1	866.4	789.2	713.1
115°	937.0	931.0	940.0	962.6	983.0	978.1	930.1	873.0	811.4	743.4	677.7
117.5°	882.4	874.1	880.9	897.0	909.3	902.8	858.1	810.3	757.7	698.5	642.8
120°	823.0	811.7	817.8	829.5	835.6	824.2	788.5	749.5	705.6	654.9	608.6
122.5°	760.3	748.0	750.8	759.9	762.4	748.6	721.5	690.6	655.3	612.8	575.1
125°	690.4	680.9	681.7	687.5	689.7	676.5	657.4	634.2	606.6	572.4	542.7
127.5°	617.1	608.2	610.1	614.2	615.9	608.2	596.4	580.6	559.9	534.2	511.3
130°	553.0	534.6	535.4	541.6	545.0	544.0	539.0	530.1	515.9	498.2	481.0
132.5°	515.1	502.0	492.4	486.9	484.0	484.2	485.3	482.9	474.7	464.0	451.8
135°	483.5	471.5	465.1	460.6	457.7	455.2	452.2	448.2	440.6	432.6	423.3
137.5°	450.9	443.2	437.1	433.9	431.4	429.2	426.3	421.0	413.2	404.4	393.5
140°	420.2	413.5	409.7	406.5	405.0	402.9	400.4	393.4	385.0	375.4	363.3
142.5°	389.1	384.7	381.2	379.9	378.9	376.7	372.7	365.0	355.9	345.7	332.4
145°	358.6	355.3	353.9	353.1	352.0	350.5	343.8	336.7	325.8	314.5	301.0
147.5°	328.1	327.0	326.9	326.4	325.6	321.5	314.2	305.2	294.7	282.5	269.0
150°	299.5	299.9	300.0	299.9	297.7	291.0	283.5	273.3	263.5	249.7	236.6
152.5°	272.3	273.0	273.4	272.3	266.2	259.6	250.3	240.2	228.8	216.2	203.1
155°	254.8	251.8	247.5	239.7	233.7	225.4	215.9	205.7	194.0	181.8	169.6
157.5°	237.6	231.8	225.1	218.0	208.8	198.6	188.0	175.8	163.2	150.5	138.1
160°	214.1	208.3	202.0	194.0	185.5	176.7	166.4	155.7	144.8	133.8	122.6
162.5°	190.2	183.3	176.8	170.0	162.5	154.0	145.1	135.9	126.5	116.9	107.1
165°	162.9	157.8	153.1	145.7	138.8	131.6	124.1	116.3	108.2	99.9	91.4
167.5°	136.5	131.7	126.6	121.2	115.5	109.5	103.1	96.5	89.7	82.7	76.6
170°	109.3	105.5	101.7	96.8	92.0	87.0	81.8	76.5	71.1	66.5	61.9
172.5°	81.7	78.5	75.2	71.7	68.1	64.3	60.5	57.2	53.9	50.6	47.2
175°	53.1	51.0	48.8	47.0	45.1	43.1	41.1	39.0	36.8	34.6	32.3
177.5°	27.3	26.5	25.6	24.7	23.7	22.8	21.7	20.7	19.6	18.4	17.3
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: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	16.1	14.9	13.6	12.4	12.3	12.2	12.2	12.0	11.9	11.8	11.6
5°	29.9	27.5	25.0	22.5	22.3	22.1	21.9	21.6	21.2	20.9	20.5
7.5°	43.7	40.1	36.4	32.7	32.3	31.8	31.3	30.8	30.2	29.5	28.8
10°	57.3	52.6	47.8	42.9	42.2	41.4	40.5	39.6	38.7	37.8	36.9
12.5°	70.9	65.1	59.1	53.0	51.9	50.8	49.5	48.2	47.0	46.0	45.0
15°	84.4	77.5	70.4	63.2	61.6	60.0	58.2	56.6	55.4	54.3	53.0
17.5°	97.8	89.8	81.7	73.4	71.3	69.1	66.8	65.1	63.8	62.4	61.0
20°	111.3	102.1	92.9	83.5	80.8	78.0	75.2	73.7	72.1	70.6	69.1
22.5°	125.4	114.3	104.1	93.7	90.3	86.8	83.9	82.2	80.4	78.7	77.1
25°	156.9	144.6	133.5	121.9	117.0	111.8	107.6	104.0	100.3	96.5	92.6
27.5°	189.4	175.6	163.2	150.1	143.8	136.9	132.0	127.2	122.3	117.3	112.1
30°	221.8	206.7	192.8	178.4	170.3	161.8	156.0	149.8	143.6	137.1	130.9
32.5°	254.0	238.0	222.5	206.6	196.7	186.8	179.5	171.9	164.0	156.3	149.0
35°	285.9	269.2	252.2	234.8	223.0	211.6	202.6	193.3	183.8	175.0	166.4
37.5°	317.7	300.2	282.0	263.0	249.1	236.1	225.4	214.2	203.2	193.1	182.7
40°	349.2	331.1	311.7	291.3	275.0	260.3	247.8	234.6	221.9	210.7	198.2
42.5°	380.3	361.8	341.5	319.5	300.9	284.4	270.3	254.4	240.6	228.3	213.0
45°	410.6	392.4	371.3	347.7	326.6	308.2	291.5	273.8	258.8	243.9	227.3
47.5°	434.3	412.6	388.2	362.2	338.6	318.2	299.4	280.5	266.0	251.1	235.8
50°	458.4	432.7	405.1	376.8	350.4	327.3	305.7	284.6	268.7	253.2	238.2
52.5°	483.4	453.0	422.0	391.3	362.1	336.1	311.6	288.8	271.1	255.8	241.3
55°	509.2	473.7	438.9	405.8	373.7	344.7	317.3	292.8	273.7	258.8	245.0
57.5°	535.7	494.6	455.9	420.4	385.2	353.1	322.7	296.6	276.9	262.3	249.2
60°	563.0	515.6	472.9	434.9	396.7	361.3	328.0	300.3	280.4	266.6	254.6
62.5°	590.8	536.9	489.8	449.4	408.2	369.4	333.2	303.9	284.2	271.2	259.6
65°	619.0	558.2	506.8	464.0	419.7	377.5	338.3	307.4	288.4	276.3	265.8
67.5°	647.6	579.6	523.7	478.5	431.1	385.4	343.3	310.9	292.8	281.8	272.5
70°	654.1	584.8	527.7	477.5	429.0	382.0	339.9	308.5	291.3	280.7	273.3
72.5°	658.4	589.1	531.7	476.6	426.8	378.4	336.2	305.5	288.2	277.1	270.3
75°	662.2	593.2	537.7	475.6	424.7	374.9	332.7	302.8	285.1	273.6	267.7
77.5°	665.4	597.0	541.1	474.6	422.7	371.5	329.4	300.4	282.1	270.1	265.3
80°	668.1	602.4	544.5	473.7	420.8	368.4	326.5	298.2	279.0	266.6	263.0
82.5°	672.1	604.9	547.9	472.7	419.0	365.4	323.8	296.4	276.1	263.3	260.9
85°	673.0	607.5	551.3	471.7	417.3	362.5	321.3	294.7	273.2	260.1	258.9
87.5°	673.8	610.0	554.7	470.8	415.7	359.9	319.2	293.3	270.6	257.0	257.0
90°	674.7	612.6	558.1	469.8	414.2	357.5	317.2	292.1	268.1	254.0	255.1
92.5°	673.8	610.0	554.7	470.8	415.7	359.9	319.2	293.3	270.6	257.0	257.0
95°	673.0	607.5	551.3	471.7	417.3	362.5	321.3	294.7	273.2	260.1	258.9
97.5°	672.1	604.9	547.9	472.7	419.0	365.4	323.8	296.4	276.1	263.3	260.9
100°	668.1	602.4	544.5	473.7	420.8	368.4	326.5	298.2	279.0	266.6	263.0
102.5°	665.4	597.0	541.1	474.6	422.7	371.5	329.4	300.4	282.1	270.1	265.3
105°	662.2	593.2	537.7	475.6	424.7	374.9	332.7	302.8	285.1	273.6	267.7
107.5°	658.4	589.1	531.7	476.6	426.8	378.4	336.2	305.5	288.2	277.1	270.3
110°	654.1	584.8	527.7	477.5	429.0	382.0	339.9	308.5	291.3	280.7	273.3



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	647.6	579.6	523.7	478.5	431.1	385.4	343.3	310.9	292.8	281.8	272.5
115°	619.0	558.2	506.8	464.0	419.7	377.5	338.3	307.4	288.4	276.3	265.8
117.5°	590.8	536.9	489.8	449.4	408.2	369.4	333.2	303.9	284.2	271.2	259.6
120°	563.0	515.6	472.9	434.9	396.7	361.3	328.0	300.3	280.4	266.6	254.6
122.5°	535.7	494.6	455.9	420.4	385.2	353.1	322.7	296.6	276.9	262.3	249.2
125°	509.2	473.7	438.9	405.8	373.7	344.7	317.3	292.8	273.7	258.8	245.0
127.5°	483.4	453.0	422.0	391.3	362.1	336.1	311.6	288.8	271.1	255.8	241.3
130°	458.4	432.7	405.1	376.8	350.4	327.3	305.7	284.6	268.7	253.2	238.2
132.5°	434.3	412.6	388.2	362.2	338.6	318.2	299.4	280.5	266.0	251.1	235.8
135°	410.6	392.4	371.3	347.7	326.6	308.2	291.5	273.8	258.8	243.9	227.3
137.5°	380.3	361.8	341.5	319.5	300.9	284.4	270.3	254.4	240.6	228.3	213.0
140°	349.2	331.1	311.7	291.3	275.0	260.3	247.8	234.6	221.9	210.7	198.2
142.5°	317.7	300.2	282.0	263.0	249.1	236.1	225.4	214.2	203.2	193.1	182.7
145°	285.9	269.2	252.2	234.8	223.0	211.6	202.6	193.3	183.8	175.0	166.4
147.5°	254.0	238.0	222.5	206.6	196.7	186.8	179.5	171.9	164.0	156.3	149.0
150°	221.8	206.7	192.8	178.4	170.3	161.8	156.0	149.8	143.6	137.1	130.9
152.5°	189.4	175.6	163.2	150.1	143.8	136.9	132.0	127.2	122.3	117.3	112.1
155°	156.9	144.6	133.5	121.9	117.0	111.8	107.6	104.0	100.3	96.5	92.6
157.5°	125.4	114.3	104.1	93.7	90.3	86.8	83.9	82.2	80.4	78.7	77.1
160°	111.3	102.1	92.9	83.5	80.8	78.0	75.2	73.7	72.1	70.6	69.1
162.5°	97.8	89.8	81.7	73.4	71.3	69.1	66.8	65.1	63.8	62.4	61.0
165°	84.4	77.5	70.4	63.2	61.6	60.0	58.2	56.6	55.4	54.3	53.0
167.5°	70.9	65.1	59.1	53.0	51.9	50.8	49.5	48.2	47.0	46.0	45.0
170°	57.3	52.6	47.8	42.9	42.2	41.4	40.5	39.6	38.7	37.8	36.9
172.5°	43.7	40.1	36.4	32.7	32.3	31.8	31.3	30.8	30.2	29.5	28.8
175°	29.9	27.5	25.0	22.5	22.3	22.1	21.9	21.6	21.2	20.9	20.5
177.5°	16.1	14.9	13.6	12.4	12.3	12.2	12.2	12.0	11.9	11.8	11.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	11.4	11.3	11.0	10.8	10.6	10.3	10.1	9.8	9.5	9.2	8.9
5°	20.1	19.6	19.2	18.7	18.1	17.6	17.1	16.5	15.9	15.3	14.6
7.5°	28.2	27.5	26.8	26.1	25.3	24.5	23.6	22.8	21.9	21.0	20.1
10°	36.1	35.2	34.3	33.3	32.3	31.3	30.3	29.3	28.3	27.2	26.0
12.5°	44.0	42.8	41.7	40.7	39.6	38.4	37.2	35.9	34.4	33.0	31.5
15°	51.8	50.6	49.4	48.1	46.7	45.2	43.5	41.9	40.2	38.4	36.5
17.5°	59.7	58.3	56.9	55.2	53.4	51.5	49.6	47.4	45.3	43.1	40.9
20°	67.6	65.9	63.9	61.9	59.7	57.3	54.9	52.4	49.9	47.6	45.3
22.5°	75.3	73.0	70.7	68.2	65.5	62.6	59.9	57.3	54.8	52.1	49.0
25°	88.3	83.8	79.0	74.0	70.8	67.9	65.1	62.2	58.7	55.2	51.7
27.5°	106.8	101.3	95.1	89.0	83.2	77.6	71.7	65.6	61.6	58.2	55.1
30°	124.6	117.4	110.1	103.2	96.6	89.5	82.1	75.1	69.0	63.2	58.3
32.5°	141.0	132.5	124.2	116.4	108.1	99.4	91.4	84.4	77.6	71.2	65.0
35°	156.5	146.7	137.5	128.0	117.9	108.5	100.3	92.5	85.2	78.2	72.0
37.5°	171.2	160.3	149.7	138.0	126.8	117.2	108.1	99.7	91.9	84.7	78.1
40°	185.2	173.0	160.2	147.0	135.5	124.8	115.3	106.3	98.0	90.6	84.0
42.5°	198.7	184.9	169.8	155.8	143.2	132.2	121.7	112.2	103.7	96.2	88.8
45°	211.5	195.3	178.5	164.0	150.7	138.7	127.7	117.7	109.2	100.7	92.5
47.5°	220.9	204.4	187.4	171.4	157.8	145.0	133.1	123.3	113.6	104.2	96.3
50°	223.4	207.1	191.5	176.8	163.4	150.5	138.8	128.0	117.1	107.7	99.2
52.5°	226.6	211.0	195.4	181.1	167.6	155.0	144.3	132.5	120.5	110.6	101.3
55°	230.7	215.6	200.1	185.7	172.5	161.2	150.6	139.0	126.8	114.7	103.2
57.5°	235.8	220.8	205.4	190.9	177.9	168.2	157.9	145.9	132.9	119.6	107.6
60°	241.7	226.4	211.0	196.9	185.2	176.1	166.3	152.8	138.3	124.3	111.6
62.5°	248.1	232.5	216.8	203.3	193.3	184.8	174.2	159.4	143.2	128.7	115.3
65°	254.5	238.9	223.1	210.1	202.1	194.4	181.8	165.2	148.2	132.8	118.8
67.5°	261.3	245.7	230.2	218.1	211.5	204.9	189.5	170.9	153.1	137.1	122.5
70°	263.3	249.4	235.9	226.7	221.6	214.5	197.0	176.4	157.9	141.4	126.2
72.5°	260.7	248.1	236.0	227.4	222.5	214.9	199.1	180.4	162.7	145.7	129.8
75°	258.7	247.6	236.3	227.9	222.1	212.5	197.4	179.7	161.7	145.3	130.7
77.5°	257.2	247.7	237.0	228.2	221.4	210.9	197.0	179.5	160.9	144.0	129.4
80°	256.0	248.3	237.9	228.4	220.6	210.0	197.7	179.9	160.4	143.1	128.8
82.5°	255.2	249.4	239.1	228.6	219.8	209.8	199.4	180.9	160.3	142.6	128.9
85°	254.7	250.7	240.6	228.9	219.1	210.0	201.9	182.4	160.7	142.8	129.7
87.5°	254.3	252.3	242.3	229.3	218.4	210.6	204.9	184.6	161.7	143.6	131.0
90°	254.0	254.0	244.2	230.0	218.0	211.5	208.2	187.5	163.5	145.0	133.0
92.5°	254.3	252.3	242.3	229.3	218.4	210.6	204.9	184.6	161.7	143.6	131.0
95°	254.7	250.7	240.6	228.9	219.1	210.0	201.9	182.4	160.7	142.8	129.7
97.5°	255.2	249.4	239.1	228.6	219.8	209.8	199.4	180.9	160.3	142.6	128.9
100°	256.0	248.3	237.9	228.4	220.6	210.0	197.7	179.9	160.4	143.1	128.8
102.5°	257.2	247.7	237.0	228.2	221.4	210.9	197.0	179.5	160.9	144.0	129.4
105°	258.7	247.6	236.3	227.9	222.1	212.5	197.4	179.7	161.7	145.3	130.7
107.5°	260.7	248.1	236.0	227.4	222.5	214.9	199.1	180.4	162.7	145.7	129.8
110°	263.3	249.4	235.9	226.7	221.6	214.5	197.0	176.4	157.9	141.4	126.2



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	261.3	245.7	230.2	218.1	211.5	204.9	189.5	170.9	153.1	137.1	122.5
115°	254.5	238.9	223.1	210.1	202.1	194.4	181.8	165.2	148.2	132.8	118.8
117.5°	248.1	232.5	216.8	203.3	193.3	184.8	174.2	159.4	143.2	128.7	115.3
120°	241.7	226.4	211.0	196.9	185.2	176.1	166.3	152.8	138.3	124.3	111.6
122.5°	235.8	220.8	205.4	190.9	177.9	168.2	157.9	145.9	132.9	119.6	107.6
125°	230.7	215.6	200.1	185.7	172.5	161.2	150.6	139.0	126.8	114.7	103.2
127.5°	226.6	211.0	195.4	181.1	167.6	155.0	144.3	132.5	120.5	110.6	101.3
130°	223.4	207.1	191.5	176.8	163.4	150.5	138.8	128.0	117.1	107.7	99.2
132.5°	220.9	204.4	187.4	171.4	157.8	145.0	133.1	123.3	113.6	104.2	96.3
135°	211.5	195.3	178.5	164.0	150.7	138.7	127.7	117.7	109.2	100.7	92.5
137.5°	198.7	184.9	169.8	155.8	143.2	132.2	121.7	112.2	103.7	96.2	88.8
140°	185.2	173.0	160.2	147.0	135.5	124.8	115.3	106.3	98.0	90.6	84.0
142.5°	171.2	160.3	149.7	138.0	126.8	117.2	108.1	99.7	91.9	84.7	78.1
145°	156.5	146.7	137.5	128.0	117.9	108.5	100.3	92.5	85.2	78.2	72.0
147.5°	141.0	132.5	124.2	116.4	108.1	99.4	91.4	84.4	77.6	71.2	65.0
150°	124.6	117.4	110.1	103.2	96.6	89.5	82.1	75.1	69.0	63.2	58.3
152.5°	106.8	101.3	95.1	89.0	83.2	77.6	71.7	65.6	61.6	58.2	55.1
155°	88.3	83.8	79.0	74.0	70.8	67.9	65.1	62.2	58.7	55.2	51.7
157.5°	75.3	73.0	70.7	68.2	65.5	62.6	59.9	57.3	54.8	52.1	49.0
160°	67.6	65.9	63.9	61.9	59.7	57.3	54.9	52.4	49.9	47.6	45.3
162.5°	59.7	58.3	56.9	55.2	53.4	51.5	49.6	47.4	45.3	43.1	40.9
165°	51.8	50.6	49.4	48.1	46.7	45.2	43.5	41.9	40.2	38.4	36.5
167.5°	44.0	42.8	41.7	40.7	39.6	38.4	37.2	35.9	34.4	33.0	31.5
170°	36.1	35.2	34.3	33.3	32.3	31.3	30.3	29.3	28.3	27.2	26.0
172.5°	28.2	27.5	26.8	26.1	25.3	24.5	23.6	22.8	21.9	21.0	20.1
175°	20.1	19.6	19.2	18.7	18.1	17.6	17.1	16.5	15.9	15.3	14.6
177.5°	11.4	11.3	11.0	10.8	10.6	10.3	10.1	9.8	9.5	9.2	8.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	8.6	8.3	7.9	7.6	7.2	6.9	6.5	6.1	5.8	5.4	5.0
5°	14.0	13.3	12.6	11.9	11.2	10.4	9.7	8.9	8.2	7.4	6.6
7.5°	19.2	18.3	17.4	16.4	15.4	14.4	13.4	12.3	11.2	10.1	9.0
10°	24.8	23.6	22.3	21.0	19.7	18.3	17.0	15.6	14.2	12.8	11.3
12.5°	30.0	28.4	26.8	25.2	23.5	21.8	20.1	18.4	16.7	15.0	13.3
15°	34.6	32.7	30.7	28.8	26.8	24.9	23.0	21.0	19.1	17.1	15.1
17.5°	38.7	36.6	34.5	32.3	30.2	28.0	25.6	23.3	21.0	18.7	16.5
20°	42.9	40.4	37.7	35.1	32.4	29.8	27.3	25.0	22.6	20.2	17.8
22.5°	45.9	42.9	40.0	37.4	34.8	32.2	29.5	26.9	24.3	21.7	19.1
25°	48.7	45.8	43.0	40.1	37.2	34.3	31.5	28.6	25.9	23.2	20.4
27.5°	51.9	48.8	45.6	42.5	39.5	36.5	33.6	30.7	27.8	24.9	22.0
30°	54.8	51.4	48.3	45.2	42.0	39.1	36.1	33.1	30.1	27.1	24.0
32.5°	59.4	54.6	51.3	48.3	45.2	42.1	39.0	35.9	32.7	29.6	26.3
35°	66.0	60.8	55.8	51.7	48.5	45.2	42.1	38.9	35.6	32.2	28.5
37.5°	72.3	66.7	61.3	56.3	52.1	48.9	45.6	41.9	38.1	34.3	30.3
40°	77.6	71.5	66.1	61.4	56.9	52.4	48.4	44.3	40.0	35.8	31.6
42.5°	81.8	75.9	70.5	65.1	60.1	55.2	50.6	46.2	42.1	37.8	33.5
45°	85.8	79.5	73.3	67.6	62.1	57.1	52.7	48.8	44.2	39.4	34.7
47.5°	88.9	81.9	75.3	69.2	63.7	58.8	54.1	49.7	45.7	40.8	35.9
50°	91.1	83.6	76.6	70.4	64.7	59.4	54.5	50.1	46.0	41.6	36.2
52.5°	92.7	84.8	77.5	71.0	65.0	59.5	54.4	49.8	45.3	41.3	37.1
55°	93.9	85.5	77.9	71.1	64.8	59.1	54.0	49.3	45.1	41.1	37.1
57.5°	96.5	86.0	78.1	70.8	64.3	58.9	53.8	49.1	44.5	40.0	35.9
60°	99.8	89.2	79.3	70.3	64.3	58.7	53.5	48.3	43.5	39.1	34.8
62.5°	103.1	91.9	81.4	72.7	64.9	58.5	52.8	47.7	43.0	38.3	33.7
65°	106.2	94.4	83.8	74.8	66.6	59.0	52.5	47.4	42.5	37.4	32.3
67.5°	109.2	96.9	86.0	76.7	67.9	60.1	53.6	47.5	42.1	36.8	31.7
70°	112.2	99.4	88.2	78.4	69.0	61.4	54.5	48.1	42.1	36.6	30.8
72.5°	115.2	101.9	90.5	79.9	70.6	62.7	55.4	48.3	41.8	35.7	29.8
75°	117.2	104.5	92.9	81.4	72.2	64.1	56.0	48.2	40.9	33.8	27.8
77.5°	116.4	104.6	93.5	82.9	73.9	65.5	56.5	47.9	39.3	31.4	25.0
80°	116.6	105.2	94.0	83.8	74.5	65.4	56.4	47.3	37.6	28.8	21.3
82.5°	117.5	106.4	95.2	85.2	74.9	65.1	55.5	45.7	35.9	26.1	17.3
85°	119.2	108.1	97.0	87.1	75.6	65.3	55.2	44.9	34.9	24.7	15.4
87.5°	121.5	110.5	99.4	89.6	76.7	66.1	55.6	44.9	34.9	24.3	14.7
90°	124.3	113.4	102.5	92.7	78.5	67.6	56.7	45.8	36.0	25.1	15.3
92.5°	121.5	110.5	99.4	89.6	76.7	66.1	55.6	44.9	34.9	24.3	14.7
95°	119.2	108.1	97.0	87.1	75.6	65.3	55.2	44.9	34.9	24.7	15.4
97.5°	117.5	106.4	95.2	85.2	74.9	65.1	55.5	45.7	35.9	26.1	17.3
100°	116.6	105.2	94.0	83.8	74.5	65.4	56.4	47.3	37.6	28.8	21.3
102.5°	116.4	104.6	93.5	82.9	73.9	65.5	56.5	47.9	39.3	31.4	25.0
105°	117.2	104.5	92.9	81.4	72.2	64.1	56.0	48.2	40.9	33.8	27.8
107.5°	115.2	101.9	90.5	79.9	70.6	62.7	55.4	48.3	41.8	35.7	29.8
110°	112.2	99.4	88.2	78.4	69.0	61.4	54.5	48.1	42.1	36.6	30.8



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	109.2	96.9	86.0	76.7	67.9	60.1	53.6	47.5	42.1	36.8	31.7
115°	106.2	94.4	83.8	74.8	66.6	59.0	52.5	47.4	42.5	37.4	32.3
117.5°	103.1	91.9	81.4	72.7	64.9	58.5	52.8	47.7	43.0	38.3	33.7
120°	99.8	89.2	79.3	70.3	64.3	58.7	53.5	48.3	43.5	39.1	34.8
122.5°	96.5	86.0	78.1	70.8	64.3	58.9	53.8	49.1	44.5	40.0	35.9
125°	93.9	85.5	77.9	71.1	64.8	59.1	54.0	49.3	45.1	41.1	37.1
127.5°	92.7	84.8	77.5	71.0	65.0	59.5	54.4	49.8	45.3	41.3	37.1
130°	91.1	83.6	76.6	70.4	64.7	59.4	54.5	50.1	46.0	41.6	36.2
132.5°	88.9	81.9	75.3	69.2	63.7	58.8	54.1	49.7	45.7	40.8	35.9
135°	85.8	79.5	73.3	67.6	62.1	57.1	52.7	48.8	44.2	39.4	34.7
137.5°	81.8	75.9	70.5	65.1	60.1	55.2	50.6	46.2	42.1	37.8	33.5
140°	77.6	71.5	66.1	61.4	56.9	52.4	48.4	44.3	40.0	35.8	31.6
142.5°	72.3	66.7	61.3	56.3	52.1	48.9	45.6	41.9	38.1	34.3	30.3
145°	66.0	60.8	55.8	51.7	48.5	45.2	42.1	38.9	35.6	32.2	28.5
147.5°	59.4	54.6	51.3	48.3	45.2	42.1	39.0	35.9	32.7	29.6	26.3
150°	54.8	51.4	48.3	45.2	42.0	39.1	36.1	33.1	30.1	27.1	24.0
152.5°	51.9	48.8	45.6	42.5	39.5	36.5	33.6	30.7	27.8	24.9	22.0
155°	48.7	45.8	43.0	40.1	37.2	34.3	31.5	28.6	25.9	23.2	20.4
157.5°	45.9	42.9	40.0	37.4	34.8	32.2	29.5	26.9	24.3	21.7	19.1
160°	42.9	40.4	37.7	35.1	32.4	29.8	27.3	25.0	22.6	20.2	17.8
162.5°	38.7	36.6	34.5	32.3	30.2	28.0	25.6	23.3	21.0	18.7	16.5
165°	34.6	32.7	30.7	28.8	26.8	24.9	23.0	21.0	19.1	17.1	15.1
167.5°	30.0	28.4	26.8	25.2	23.5	21.8	20.1	18.4	16.7	15.0	13.3
170°	24.8	23.6	22.3	21.0	19.7	18.3	17.0	15.6	14.2	12.8	11.3
172.5°	19.2	18.3	17.4	16.4	15.4	14.4	13.4	12.3	11.2	10.1	9.0
175°	14.0	13.3	12.6	11.9	11.2	10.4	9.7	8.9	8.2	7.4	6.6
177.5°	8.6	8.3	7.9	7.6	7.2	6.9	6.5	6.1	5.8	5.4	5.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	4.6	4.2	3.8	3.4	3.0	2.6	2.2	2.6	3.0	3.4	3.8
5°	5.8	5.0	4.3	3.5	2.7	1.9	1.1	1.9	2.7	3.5	4.3
7.5°	7.9	6.8	5.7	4.5	3.4	2.2	1.1	2.2	3.4	4.5	5.7
10°	9.9	8.4	7.0	5.5	4.0	2.6	1.1	2.6	4.0	5.5	7.0
12.5°	11.5	9.8	8.1	6.3	4.6	2.8	1.1	2.8	4.6	6.3	8.1
15°	13.1	11.1	9.1	7.1	5.1	3.1	1.1	3.1	5.1	7.1	9.1
17.5°	14.3	12.0	9.8	7.6	5.5	3.3	1.1	3.3	5.5	7.6	9.8
20°	15.4	13.0	10.6	8.2	5.9	3.5	1.1	3.5	5.9	8.2	10.6
22.5°	16.5	13.9	11.4	8.8	6.2	3.7	1.1	3.7	6.2	8.8	11.4
25°	17.7	14.9	12.2	9.4	6.6	3.9	1.1	3.9	6.6	9.4	12.2
27.5°	19.1	16.1	13.2	10.2	7.1	4.1	1.1	4.1	7.1	10.2	13.2
30°	21.0	17.9	14.8	11.7	8.6	5.4	2.2	5.4	8.6	11.7	14.8
32.5°	23.0	19.7	16.3	12.8	9.3	5.7	2.2	5.7	9.3	12.8	16.3
35°	24.8	21.1	17.4	13.6	9.8	6.0	2.2	6.0	9.8	13.6	17.4
37.5°	26.2	22.2	18.2	14.2	10.2	6.2	2.2	6.2	10.2	14.2	18.2
40°	27.5	23.4	19.2	15.0	10.7	6.5	2.2	6.5	10.7	15.0	19.2
42.5°	29.0	24.5	20.0	15.5	11.1	6.6	2.2	6.6	11.1	15.5	20.0
45°	30.0	25.3	20.7	16.0	11.4	6.8	2.2	6.8	11.4	16.0	20.7
47.5°	30.8	25.8	21.0	16.2	11.5	6.8	2.2	6.8	11.5	16.2	21.0
50°	31.1	26.2	21.4	16.5	11.7	7.0	2.2	7.0	11.7	16.5	21.4
52.5°	32.0	26.7	21.6	16.6	11.7	6.9	2.2	6.9	11.7	16.6	21.6
55°	31.9	26.6	21.4	16.4	11.6	6.9	2.2	6.9	11.6	16.4	21.4
57.5°	31.7	26.3	21.3	16.5	12.0	7.6	3.3	7.6	12.0	16.5	21.3
60°	30.6	25.8	20.6	15.8	11.4	7.3	3.3	7.3	11.4	15.8	20.6
62.5°	28.8	24.0	19.3	15.0	10.9	7.0	3.3	7.0	10.9	15.0	19.3
65°	27.5	22.8	18.3	14.0	10.2	6.7	3.3	6.7	10.2	14.0	18.3
67.5°	26.5	21.5	16.9	12.9	9.4	6.3	3.3	6.3	9.4	12.9	16.9
70°	25.2	20.1	15.6	11.9	8.8	6.0	3.3	6.0	8.8	11.9	15.6
72.5°	24.0	19.1	14.9	10.7	7.6	5.3	3.3	5.3	7.6	10.7	14.9
75°	23.2	18.1	13.1	8.8	5.9	4.3	3.3	4.3	5.9	8.8	13.1
77.5°	20.2	16.4	11.1	6.1	2.0	0.4	0.0	0.4	2.0	6.1	11.1
80°	15.6	11.7	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
82.5°	10.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	6.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	7.9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	15.6	11.7	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
102.5°	20.2	16.4	11.1	6.1	2.0	0.4	0.0	0.4	2.0	6.1	11.1
105°	23.2	18.1	13.1	8.8	5.9	4.3	3.3	4.3	5.9	8.8	13.1
107.5°	24.0	19.1	14.9	10.7	7.6	5.3	3.3	5.3	7.6	10.7	14.9
110°	25.2	20.1	15.6	11.9	8.8	6.0	3.3	6.0	8.8	11.9	15.6



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	26.5	21.5	16.9	12.9	9.4	6.3	3.3	6.3	9.4	12.9	16.9
115°	27.5	22.8	18.3	14.0	10.2	6.7	3.3	6.7	10.2	14.0	18.3
117.5°	28.8	24.0	19.3	15.0	10.9	7.0	3.3	7.0	10.9	15.0	19.3
120°	30.6	25.8	20.6	15.8	11.4	7.3	3.3	7.3	11.4	15.8	20.6
122.5°	31.7	26.3	21.3	16.5	12.0	7.6	3.3	7.6	12.0	16.5	21.3
125°	31.9	26.6	21.4	16.4	11.6	6.9	2.2	6.9	11.6	16.4	21.4
127.5°	32.0	26.7	21.6	16.6	11.7	6.9	2.2	6.9	11.7	16.6	21.6
130°	31.1	26.2	21.4	16.5	11.7	7.0	2.2	7.0	11.7	16.5	21.4
132.5°	30.8	25.8	21.0	16.2	11.5	6.8	2.2	6.8	11.5	16.2	21.0
135°	30.0	25.3	20.7	16.0	11.4	6.8	2.2	6.8	11.4	16.0	20.7
137.5°	29.0	24.5	20.0	15.5	11.1	6.6	2.2	6.6	11.1	15.5	20.0
140°	27.5	23.4	19.2	15.0	10.7	6.5	2.2	6.5	10.7	15.0	19.2
142.5°	26.2	22.2	18.2	14.2	10.2	6.2	2.2	6.2	10.2	14.2	18.2
145°	24.8	21.1	17.4	13.6	9.8	6.0	2.2	6.0	9.8	13.6	17.4
147.5°	23.0	19.7	16.3	12.8	9.3	5.7	2.2	5.7	9.3	12.8	16.3
150°	21.0	17.9	14.8	11.7	8.6	5.4	2.2	5.4	8.6	11.7	14.8
152.5°	19.1	16.1	13.2	10.2	7.1	4.1	1.1	4.1	7.1	10.2	13.2
155°	17.7	14.9	12.2	9.4	6.6	3.9	1.1	3.9	6.6	9.4	12.2
157.5°	16.5	13.9	11.4	8.8	6.2	3.7	1.1	3.7	6.2	8.8	11.4
160°	15.4	13.0	10.6	8.2	5.9	3.5	1.1	3.5	5.9	8.2	10.6
162.5°	14.3	12.0	9.8	7.6	5.5	3.3	1.1	3.3	5.5	7.6	9.8
165°	13.1	11.1	9.1	7.1	5.1	3.1	1.1	3.1	5.1	7.1	9.1
167.5°	11.5	9.8	8.1	6.3	4.6	2.8	1.1	2.8	4.6	6.3	8.1
170°	9.9	8.4	7.0	5.5	4.0	2.6	1.1	2.6	4.0	5.5	7.0
172.5°	7.9	6.8	5.7	4.5	3.4	2.2	1.1	2.2	3.4	4.5	5.7
175°	5.8	5.0	4.3	3.5	2.7	1.9	1.1	1.9	2.7	3.5	4.3
177.5°	4.6	4.2	3.8	3.4	3.0	2.6	2.2	2.6	3.0	3.4	3.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	4.2	4.6	5.0	5.4	5.8	6.1	6.5	6.9	7.2	7.6	7.9
5°	5.0	5.8	6.6	7.4	8.2	8.9	9.7	10.4	11.2	11.9	12.6
7.5°	6.8	7.9	9.0	10.1	11.2	12.3	13.4	14.4	15.4	16.4	17.4
10°	8.4	9.9	11.3	12.8	14.2	15.6	17.0	18.3	19.7	21.0	22.3
12.5°	9.8	11.5	13.3	15.0	16.7	18.4	20.1	21.8	23.5	25.2	26.8
15°	11.1	13.1	15.1	17.1	19.1	21.0	23.0	24.9	26.8	28.8	30.7
17.5°	12.0	14.3	16.5	18.7	21.0	23.3	25.6	28.0	30.2	32.3	34.5
20°	13.0	15.4	17.8	20.2	22.6	25.0	27.3	29.8	32.4	35.1	37.7
22.5°	13.9	16.5	19.1	21.7	24.3	26.9	29.5	32.2	34.8	37.4	40.0
25°	14.9	17.7	20.4	23.2	25.9	28.6	31.5	34.3	37.2	40.1	43.0
27.5°	16.1	19.1	22.0	24.9	27.8	30.7	33.6	36.5	39.5	42.5	45.6
30°	17.9	21.0	24.0	27.1	30.1	33.1	36.1	39.1	42.0	45.2	48.3
32.5°	19.7	23.0	26.3	29.6	32.7	35.9	39.0	42.1	45.2	48.3	51.3
35°	21.1	24.8	28.5	32.2	35.6	38.9	42.1	45.2	48.5	51.7	55.8
37.5°	22.2	26.2	30.3	34.3	38.1	41.9	45.6	48.9	52.1	56.3	61.3
40°	23.4	27.5	31.6	35.8	40.0	44.3	48.4	52.4	56.9	61.4	66.1
42.5°	24.5	29.0	33.5	37.8	42.1	46.2	50.6	55.2	60.1	65.1	70.5
45°	25.3	30.0	34.7	39.4	44.2	48.8	52.7	57.1	62.1	67.6	73.3
47.5°	25.8	30.8	35.9	40.8	45.7	49.7	54.1	58.8	63.7	69.2	75.3
50°	26.2	31.1	36.2	41.6	46.0	50.1	54.5	59.4	64.7	70.4	76.6
52.5°	26.7	32.0	37.1	41.3	45.3	49.8	54.4	59.5	65.0	71.0	77.5
55°	26.6	31.9	37.1	41.1	45.1	49.3	54.0	59.1	64.8	71.1	77.9
57.5°	26.3	31.7	35.9	40.0	44.5	49.1	53.8	58.9	64.3	70.8	78.1
60°	25.8	30.6	34.8	39.1	43.5	48.3	53.5	58.7	64.3	70.3	79.3
62.5°	24.0	28.8	33.7	38.3	43.0	47.7	52.8	58.5	64.9	72.7	81.4
65°	22.8	27.5	32.3	37.4	42.5	47.4	52.5	59.0	66.6	74.8	83.8
67.5°	21.5	26.5	31.7	36.8	42.1	47.5	53.6	60.1	67.9	76.7	86.0
70°	20.1	25.2	30.8	36.6	42.1	48.1	54.5	61.4	69.0	78.4	88.2
72.5°	19.1	24.0	29.8	35.7	41.8	48.3	55.4	62.7	70.6	79.9	90.5
75°	18.1	23.2	27.8	33.8	40.9	48.2	56.0	64.1	72.2	81.4	92.9
77.5°	16.4	20.2	25.0	31.4	39.3	47.9	56.5	65.5	73.9	82.9	93.5
80°	11.7	15.6	21.3	28.8	37.6	47.3	56.4	65.4	74.5	83.8	94.0
82.5°	6.2	10.9	17.3	26.1	35.9	45.7	55.5	65.1	74.9	85.2	95.2
85°	2.1	7.9	15.4	24.7	34.9	44.9	55.2	65.3	75.6	87.1	97.0
87.5°	0.6	6.7	14.7	24.3	34.9	44.9	55.6	66.1	76.7	89.6	99.4
90°	0.0	6.5	15.3	25.1	36.0	45.8	56.7	67.6	78.5	92.7	102.5
92.5°	0.6	6.7	14.7	24.3	34.9	44.9	55.6	66.1	76.7	89.6	99.4
95°	2.1	7.9	15.4	24.7	34.9	44.9	55.2	65.3	75.6	87.1	97.0
97.5°	6.2	10.9	17.3	26.1	35.9	45.7	55.5	65.1	74.9	85.2	95.2
100°	11.7	15.6	21.3	28.8	37.6	47.3	56.4	65.4	74.5	83.8	94.0
102.5°	16.4	20.2	25.0	31.4	39.3	47.9	56.5	65.5	73.9	82.9	93.5
105°	18.1	23.2	27.8	33.8	40.9	48.2	56.0	64.1	72.2	81.4	92.9
107.5°	19.1	24.0	29.8	35.7	41.8	48.3	55.4	62.7	70.6	79.9	90.5
110°	20.1	25.2	30.8	36.6	42.1	48.1	54.5	61.4	69.0	78.4	88.2



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	21.5	26.5	31.7	36.8	42.1	47.5	53.6	60.1	67.9	76.7	86.0
115°	22.8	27.5	32.3	37.4	42.5	47.4	52.5	59.0	66.6	74.8	83.8
117.5°	24.0	28.8	33.7	38.3	43.0	47.7	52.8	58.5	64.9	72.7	81.4
120°	25.8	30.6	34.8	39.1	43.5	48.3	53.5	58.7	64.3	70.3	79.3
122.5°	26.3	31.7	35.9	40.0	44.5	49.1	53.8	58.9	64.3	70.8	78.1
125°	26.6	31.9	37.1	41.1	45.1	49.3	54.0	59.1	64.8	71.1	77.9
127.5°	26.7	32.0	37.1	41.3	45.3	49.8	54.4	59.5	65.0	71.0	77.5
130°	26.2	31.1	36.2	41.6	46.0	50.1	54.5	59.4	64.7	70.4	76.6
132.5°	25.8	30.8	35.9	40.8	45.7	49.7	54.1	58.8	63.7	69.2	75.3
135°	25.3	30.0	34.7	39.4	44.2	48.8	52.7	57.1	62.1	67.6	73.3
137.5°	24.5	29.0	33.5	37.8	42.1	46.2	50.6	55.2	60.1	65.1	70.5
140°	23.4	27.5	31.6	35.8	40.0	44.3	48.4	52.4	56.9	61.4	66.1
142.5°	22.2	26.2	30.3	34.3	38.1	41.9	45.6	48.9	52.1	56.3	61.3
145°	21.1	24.8	28.5	32.2	35.6	38.9	42.1	45.2	48.5	51.7	55.8
147.5°	19.7	23.0	26.3	29.6	32.7	35.9	39.0	42.1	45.2	48.3	51.3
150°	17.9	21.0	24.0	27.1	30.1	33.1	36.1	39.1	42.0	45.2	48.3
152.5°	16.1	19.1	22.0	24.9	27.8	30.7	33.6	36.5	39.5	42.5	45.6
155°	14.9	17.7	20.4	23.2	25.9	28.6	31.5	34.3	37.2	40.1	43.0
157.5°	13.9	16.5	19.1	21.7	24.3	26.9	29.5	32.2	34.8	37.4	40.0
160°	13.0	15.4	17.8	20.2	22.6	25.0	27.3	29.8	32.4	35.1	37.7
162.5°	12.0	14.3	16.5	18.7	21.0	23.3	25.6	28.0	30.2	32.3	34.5
165°	11.1	13.1	15.1	17.1	19.1	21.0	23.0	24.9	26.8	28.8	30.7
167.5°	9.8	11.5	13.3	15.0	16.7	18.4	20.1	21.8	23.5	25.2	26.8
170°	8.4	9.9	11.3	12.8	14.2	15.6	17.0	18.3	19.7	21.0	22.3
172.5°	6.8	7.9	9.0	10.1	11.2	12.3	13.4	14.4	15.4	16.4	17.4
175°	5.0	5.8	6.6	7.4	8.2	8.9	9.7	10.4	11.2	11.9	12.6
177.5°	4.2	4.6	5.0	5.4	5.8	6.1	6.5	6.9	7.2	7.6	7.9
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: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.3	10.6	10.8	11.0
5°	13.3	14.0	14.6	15.3	15.9	16.5	17.1	17.6	18.1	18.7	19.2
7.5°	18.3	19.2	20.1	21.0	21.9	22.8	23.6	24.5	25.3	26.1	26.8
10°	23.6	24.8	26.0	27.2	28.3	29.3	30.3	31.3	32.3	33.3	34.3
12.5°	28.4	30.0	31.5	33.0	34.4	35.9	37.2	38.4	39.6	40.7	41.7
15°	32.7	34.6	36.5	38.4	40.2	41.9	43.5	45.2	46.7	48.1	49.4
17.5°	36.6	38.7	40.9	43.1	45.3	47.4	49.6	51.5	53.4	55.2	56.9
20°	40.4	42.9	45.3	47.6	49.9	52.4	54.9	57.3	59.7	61.9	63.9
22.5°	42.9	45.9	49.0	52.1	54.8	57.3	59.9	62.6	65.5	68.2	70.7
25°	45.8	48.7	51.7	55.2	58.7	62.2	65.1	67.9	70.8	74.0	79.0
27.5°	48.8	51.9	55.1	58.2	61.6	65.6	71.7	77.6	83.2	89.0	95.1
30°	51.4	54.8	58.3	63.2	69.0	75.1	82.1	89.5	96.6	103.2	110.1
32.5°	54.6	59.4	65.0	71.2	77.6	84.4	91.4	99.4	108.1	116.4	124.2
35°	60.8	66.0	72.0	78.2	85.2	92.5	100.3	108.5	117.9	128.0	137.5
37.5°	66.7	72.3	78.1	84.7	91.9	99.7	108.1	117.2	126.8	138.0	149.7
40°	71.5	77.6	84.0	90.6	98.0	106.3	115.3	124.8	135.5	147.0	160.2
42.5°	75.9	81.8	88.8	96.2	103.7	112.2	121.7	132.2	143.2	155.8	169.8
45°	79.5	85.8	92.5	100.7	109.2	117.7	127.7	138.7	150.7	164.0	178.5
47.5°	81.9	88.9	96.3	104.2	113.6	123.3	133.1	145.0	157.8	171.4	187.4
50°	83.6	91.1	99.2	107.7	117.1	128.0	138.8	150.5	163.4	176.8	191.5
52.5°	84.8	92.7	101.3	110.6	120.5	132.5	144.3	155.0	167.6	181.1	195.4
55°	85.5	93.9	103.2	114.7	126.8	139.0	150.6	161.2	172.5	185.7	200.1
57.5°	86.0	96.5	107.6	119.6	132.9	145.9	157.9	168.2	177.9	190.9	205.4
60°	89.2	99.8	111.6	124.3	138.3	152.8	166.3	176.1	185.2	196.9	211.0
62.5°	91.9	103.1	115.3	128.7	143.2	159.4	174.2	184.8	193.3	203.3	216.8
65°	94.4	106.2	118.8	132.8	148.2	165.2	181.8	194.4	202.1	210.1	223.1
67.5°	96.9	109.2	122.5	137.1	153.1	170.9	189.5	204.9	211.5	218.1	230.2
70°	99.4	112.2	126.2	141.4	157.9	176.4	197.0	214.5	221.6	226.7	235.9
72.5°	101.9	115.2	129.8	145.7	162.7	180.4	199.1	214.9	222.5	227.4	236.0
75°	104.5	117.2	130.7	145.3	161.7	179.7	197.4	212.5	222.1	227.9	236.3
77.5°	104.6	116.4	129.4	144.0	160.9	179.5	197.0	210.9	221.4	228.2	237.0
80°	105.2	116.6	128.8	143.1	160.4	179.9	197.7	210.0	220.6	228.4	237.9
82.5°	106.4	117.5	128.9	142.6	160.3	180.9	199.4	209.8	219.8	228.6	239.1
85°	108.1	119.2	129.7	142.8	160.7	182.4	201.9	210.0	219.1	228.9	240.6
87.5°	110.5	121.5	131.0	143.6	161.7	184.6	204.9	210.6	218.4	229.3	242.3
90°	113.4	124.3	133.0	145.0	163.5	187.5	208.2	211.5	218.0	230.0	244.2
92.5°	110.5	121.5	131.0	143.6	161.7	184.6	204.9	210.6	218.4	229.3	242.3
95°	108.1	119.2	129.7	142.8	160.7	182.4	201.9	210.0	219.1	228.9	240.6
97.5°	106.4	117.5	128.9	142.6	160.3	180.9	199.4	209.8	219.8	228.6	239.1
100°	105.2	116.6	128.8	143.1	160.4	179.9	197.7	210.0	220.6	228.4	237.9
102.5°	104.6	116.4	129.4	144.0	160.9	179.5	197.0	210.9	221.4	228.2	237.0
105°	104.5	117.2	130.7	145.3	161.7	179.7	197.4	212.5	222.1	227.9	236.3
107.5°	101.9	115.2	129.8	145.7	162.7	180.4	199.1	214.9	222.5	227.4	236.0
110°	99.4	112.2	126.2	141.4	157.9	176.4	197.0	214.5	221.6	226.7	235.9



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	96.9	109.2	122.5	137.1	153.1	170.9	189.5	204.9	211.5	218.1	230.2
115°	94.4	106.2	118.8	132.8	148.2	165.2	181.8	194.4	202.1	210.1	223.1
117.5°	91.9	103.1	115.3	128.7	143.2	159.4	174.2	184.8	193.3	203.3	216.8
120°	89.2	99.8	111.6	124.3	138.3	152.8	166.3	176.1	185.2	196.9	211.0
122.5°	86.0	96.5	107.6	119.6	132.9	145.9	157.9	168.2	177.9	190.9	205.4
125°	85.5	93.9	103.2	114.7	126.8	139.0	150.6	161.2	172.5	185.7	200.1
127.5°	84.8	92.7	101.3	110.6	120.5	132.5	144.3	155.0	167.6	181.1	195.4
130°	83.6	91.1	99.2	107.7	117.1	128.0	138.8	150.5	163.4	176.8	191.5
132.5°	81.9	88.9	96.3	104.2	113.6	123.3	133.1	145.0	157.8	171.4	187.4
135°	79.5	85.8	92.5	100.7	109.2	117.7	127.7	138.7	150.7	164.0	178.5
137.5°	75.9	81.8	88.8	96.2	103.7	112.2	121.7	132.2	143.2	155.8	169.8
140°	71.5	77.6	84.0	90.6	98.0	106.3	115.3	124.8	135.5	147.0	160.2
142.5°	66.7	72.3	78.1	84.7	91.9	99.7	108.1	117.2	126.8	138.0	149.7
145°	60.8	66.0	72.0	78.2	85.2	92.5	100.3	108.5	117.9	128.0	137.5
147.5°	54.6	59.4	65.0	71.2	77.6	84.4	91.4	99.4	108.1	116.4	124.2
150°	51.4	54.8	58.3	63.2	69.0	75.1	82.1	89.5	96.6	103.2	110.1
152.5°	48.8	51.9	55.1	58.2	61.6	65.6	71.7	77.6	83.2	89.0	95.1
155°	45.8	48.7	51.7	55.2	58.7	62.2	65.1	67.9	70.8	74.0	79.0
157.5°	42.9	45.9	49.0	52.1	54.8	57.3	59.9	62.6	65.5	68.2	70.7
160°	40.4	42.9	45.3	47.6	49.9	52.4	54.9	57.3	59.7	61.9	63.9
162.5°	36.6	38.7	40.9	43.1	45.3	47.4	49.6	51.5	53.4	55.2	56.9
165°	32.7	34.6	36.5	38.4	40.2	41.9	43.5	45.2	46.7	48.1	49.4
167.5°	28.4	30.0	31.5	33.0	34.4	35.9	37.2	38.4	39.6	40.7	41.7
170°	23.6	24.8	26.0	27.2	28.3	29.3	30.3	31.3	32.3	33.3	34.3
172.5°	18.3	19.2	20.1	21.0	21.9	22.8	23.6	24.5	25.3	26.1	26.8
175°	13.3	14.0	14.6	15.3	15.9	16.5	17.1	17.6	18.1	18.7	19.2
177.5°	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.3	10.6	10.8	11.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	11.3	11.4	11.6	11.8	11.9	12.0	12.2	12.2	12.3	12.4	13.6
5°	19.6	20.1	20.5	20.9	21.2	21.6	21.9	22.1	22.3	22.5	25.0
7.5°	27.5	28.2	28.8	29.5	30.2	30.8	31.3	31.8	32.3	32.7	36.4
10°	35.2	36.1	36.9	37.8	38.7	39.6	40.5	41.4	42.2	42.9	47.8
12.5°	42.8	44.0	45.0	46.0	47.0	48.2	49.5	50.8	51.9	53.0	59.1
15°	50.6	51.8	53.0	54.3	55.4	56.6	58.2	60.0	61.6	63.2	70.4
17.5°	58.3	59.7	61.0	62.4	63.8	65.1	66.8	69.1	71.3	73.4	81.7
20°	65.9	67.6	69.1	70.6	72.1	73.7	75.2	78.0	80.8	83.5	92.9
22.5°	73.0	75.3	77.1	78.7	80.4	82.2	83.9	86.8	90.3	93.7	104.1
25°	83.8	88.3	92.6	96.5	100.3	104.0	107.6	111.8	117.0	121.9	133.5
27.5°	101.3	106.8	112.1	117.3	122.3	127.2	132.0	136.9	143.8	150.1	163.2
30°	117.4	124.6	130.9	137.1	143.6	149.8	156.0	161.8	170.3	178.4	192.8
32.5°	132.5	141.0	149.0	156.3	164.0	171.9	179.5	186.8	196.7	206.6	222.5
35°	146.7	156.5	166.4	175.0	183.8	193.3	202.6	211.6	223.0	234.8	252.2
37.5°	160.3	171.2	182.7	193.1	203.2	214.2	225.4	236.1	249.1	263.0	282.0
40°	173.0	185.2	198.2	210.7	221.9	234.6	247.8	260.3	275.0	291.3	311.7
42.5°	184.9	198.7	213.0	228.3	240.6	254.4	270.3	284.4	300.9	319.5	341.5
45°	195.3	211.5	227.3	243.9	258.8	273.8	291.5	308.2	326.6	347.7	371.3
47.5°	204.4	220.9	235.8	251.1	266.0	280.5	299.4	318.2	338.6	362.2	388.2
50°	207.1	223.4	238.2	253.2	268.7	284.6	305.7	327.3	350.4	376.8	405.1
52.5°	211.0	226.6	241.3	255.8	271.1	288.8	311.6	336.1	362.1	391.3	422.0
55°	215.6	230.7	245.0	258.8	273.7	292.8	317.3	344.7	373.7	405.8	438.9
57.5°	220.8	235.8	249.2	262.3	276.9	296.6	322.7	353.1	385.2	420.4	455.9
60°	226.4	241.7	254.6	266.6	280.4	300.3	328.0	361.3	396.7	434.9	472.9
62.5°	232.5	248.1	259.6	271.2	284.2	303.9	333.2	369.4	408.2	449.4	489.8
65°	238.9	254.5	265.8	276.3	288.4	307.4	338.3	377.5	419.7	464.0	506.8
67.5°	245.7	261.3	272.5	281.8	292.8	310.9	343.3	385.4	431.1	478.5	523.7
70°	249.4	263.3	273.3	280.7	291.3	308.5	339.9	382.0	429.0	477.5	527.7
72.5°	248.1	260.7	270.3	277.1	288.2	305.5	336.2	378.4	426.8	476.6	531.7
75°	247.6	258.7	267.7	273.6	285.1	302.8	332.7	374.9	424.7	475.6	537.7
77.5°	247.7	257.2	265.3	270.1	282.1	300.4	329.4	371.5	422.7	474.6	541.1
80°	248.3	256.0	263.0	266.6	279.0	298.2	326.5	368.4	420.8	473.7	544.5
82.5°	249.4	255.2	260.9	263.3	276.1	296.4	323.8	365.4	419.0	472.7	547.9
85°	250.7	254.7	258.9	260.1	273.2	294.7	321.3	362.5	417.3	471.7	551.3
87.5°	252.3	254.3	257.0	257.0	270.6	293.3	319.2	359.9	415.7	470.8	554.7
90°	254.0	254.0	255.1	254.0	268.1	292.1	317.2	357.5	414.2	469.8	558.1
92.5°	252.3	254.3	257.0	257.0	270.6	293.3	319.2	359.9	415.7	470.8	554.7
95°	250.7	254.7	258.9	260.1	273.2	294.7	321.3	362.5	417.3	471.7	551.3
97.5°	249.4	255.2	260.9	263.3	276.1	296.4	323.8	365.4	419.0	472.7	547.9
100°	248.3	256.0	263.0	266.6	279.0	298.2	326.5	368.4	420.8	473.7	544.5
102.5°	247.7	257.2	265.3	270.1	282.1	300.4	329.4	371.5	422.7	474.6	541.1
105°	247.6	258.7	267.7	273.6	285.1	302.8	332.7	374.9	424.7	475.6	537.7
107.5°	248.1	260.7	270.3	277.1	288.2	305.5	336.2	378.4	426.8	476.6	531.7
110°	249.4	263.3	273.3	280.7	291.3	308.5	339.9	382.0	429.0	477.5	527.7



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	245.7	261.3	272.5	281.8	292.8	310.9	343.3	385.4	431.1	478.5	523.7
115°	238.9	254.5	265.8	276.3	288.4	307.4	338.3	377.5	419.7	464.0	506.8
117.5°	232.5	248.1	259.6	271.2	284.2	303.9	333.2	369.4	408.2	449.4	489.8
120°	226.4	241.7	254.6	266.6	280.4	300.3	328.0	361.3	396.7	434.9	472.9
122.5°	220.8	235.8	249.2	262.3	276.9	296.6	322.7	353.1	385.2	420.4	455.9
125°	215.6	230.7	245.0	258.8	273.7	292.8	317.3	344.7	373.7	405.8	438.9
127.5°	211.0	226.6	241.3	255.8	271.1	288.8	311.6	336.1	362.1	391.3	422.0
130°	207.1	223.4	238.2	253.2	268.7	284.6	305.7	327.3	350.4	376.8	405.1
132.5°	204.4	220.9	235.8	251.1	266.0	280.5	299.4	318.2	338.6	362.2	388.2
135°	195.3	211.5	227.3	243.9	258.8	273.8	291.5	308.2	326.6	347.7	371.3
137.5°	184.9	198.7	213.0	228.3	240.6	254.4	270.3	284.4	300.9	319.5	341.5
140°	173.0	185.2	198.2	210.7	221.9	234.6	247.8	260.3	275.0	291.3	311.7
142.5°	160.3	171.2	182.7	193.1	203.2	214.2	225.4	236.1	249.1	263.0	282.0
145°	146.7	156.5	166.4	175.0	183.8	193.3	202.6	211.6	223.0	234.8	252.2
147.5°	132.5	141.0	149.0	156.3	164.0	171.9	179.5	186.8	196.7	206.6	222.5
150°	117.4	124.6	130.9	137.1	143.6	149.8	156.0	161.8	170.3	178.4	192.8
152.5°	101.3	106.8	112.1	117.3	122.3	127.2	132.0	136.9	143.8	150.1	163.2
155°	83.8	88.3	92.6	96.5	100.3	104.0	107.6	111.8	117.0	121.9	133.5
157.5°	73.0	75.3	77.1	78.7	80.4	82.2	83.9	86.8	90.3	93.7	104.1
160°	65.9	67.6	69.1	70.6	72.1	73.7	75.2	78.0	80.8	83.5	92.9
162.5°	58.3	59.7	61.0	62.4	63.8	65.1	66.8	69.1	71.3	73.4	81.7
165°	50.6	51.8	53.0	54.3	55.4	56.6	58.2	60.0	61.6	63.2	70.4
167.5°	42.8	44.0	45.0	46.0	47.0	48.2	49.5	50.8	51.9	53.0	59.1
170°	35.2	36.1	36.9	37.8	38.7	39.6	40.5	41.4	42.2	42.9	47.8
172.5°	27.5	28.2	28.8	29.5	30.2	30.8	31.3	31.8	32.3	32.7	36.4
175°	19.6	20.1	20.5	20.9	21.2	21.6	21.9	22.1	22.3	22.5	25.0
177.5°	11.3	11.4	11.6	11.8	11.9	12.0	12.2	12.2	12.3	12.4	13.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	14.9	16.1	17.3	18.4	19.6	20.7	21.7	22.8	23.7	24.7	25.6
5°	27.5	29.9	32.3	34.6	36.8	39.0	41.1	43.1	45.1	47.0	48.8
7.5°	40.1	43.7	47.2	50.6	53.9	57.2	60.5	64.3	68.1	71.7	75.2
10°	52.6	57.3	61.9	66.5	71.1	76.5	81.8	87.0	92.0	96.8	101.7
12.5°	65.1	70.9	76.6	82.7	89.7	96.5	103.1	109.5	115.5	121.2	126.6
15°	77.5	84.4	91.4	99.9	108.2	116.3	124.1	131.6	138.8	145.7	153.1
17.5°	89.8	97.8	107.1	116.9	126.5	135.9	145.1	154.0	162.5	170.0	176.8
20°	102.1	111.3	122.6	133.8	144.8	155.7	166.4	176.7	185.5	194.0	202.0
22.5°	114.3	125.4	138.1	150.5	163.2	175.8	188.0	198.6	208.8	218.0	225.1
25°	144.6	156.9	169.6	181.8	194.0	205.7	215.9	225.4	233.7	239.7	247.5
27.5°	175.6	189.4	203.1	216.2	228.8	240.2	250.3	259.6	266.2	272.3	273.4
30°	206.7	221.8	236.6	249.7	263.5	273.3	283.5	291.0	297.7	299.9	300.0
32.5°	238.0	254.0	269.0	282.5	294.7	305.2	314.2	321.5	325.6	326.4	326.9
35°	269.2	285.9	301.0	314.5	325.8	336.7	343.8	350.5	352.0	353.1	353.9
37.5°	300.2	317.7	332.4	345.7	355.9	365.0	372.7	376.7	378.9	379.9	381.2
40°	331.1	349.2	363.3	375.4	385.0	393.4	400.4	402.9	405.0	406.5	409.7
42.5°	361.8	380.3	393.5	404.4	413.2	421.0	426.3	429.2	431.4	433.9	437.1
45°	392.4	410.6	423.3	432.6	440.6	448.2	452.2	455.2	457.7	460.6	465.1
47.5°	412.6	434.3	451.8	464.0	474.7	482.9	485.3	484.2	484.0	486.9	492.4
50°	432.7	458.4	481.0	498.2	515.9	530.1	539.0	544.0	545.0	541.6	535.4
52.5°	453.0	483.4	511.3	534.2	559.9	580.6	596.4	608.2	615.9	614.2	610.1
55°	473.7	509.2	542.7	572.4	606.6	634.2	657.4	676.5	689.7	687.5	681.7
57.5°	494.6	535.7	575.1	612.8	655.3	690.6	721.5	748.6	762.4	759.9	750.8
60°	515.6	563.0	608.6	654.9	705.6	749.5	788.5	824.2	835.6	829.5	817.8
62.5°	536.9	590.8	642.8	698.5	757.7	810.3	858.1	902.8	909.3	897.0	880.9
65°	558.2	619.0	677.7	743.4	811.4	873.0	930.1	978.1	983.0	962.6	940.0
67.5°	579.6	647.6	713.1	789.2	866.4	937.1	1003.9	1050.9	1051.1	1025.8	995.8
70°	584.8	654.1	721.0	802.3	885.6	966.5	1047.1	1100.7	1107.0	1084.0	1051.6
72.5°	589.1	658.4	724.4	806.6	889.9	974.0	1059.2	1114.2	1129.3	1113.8	1088.5
75°	593.2	662.2	727.0	809.8	893.3	980.9	1070.7	1130.3	1156.3	1145.4	1124.2
77.5°	597.0	665.4	729.0	812.0	895.5	987.1	1081.4	1148.3	1187.1	1178.5	1160.8
80°	602.4	668.1	730.4	813.1	896.8	992.5	1091.2	1167.5	1220.7	1213.0	1198.1
82.5°	604.9	672.1	733.2	813.4	897.0	996.9	1099.8	1187.2	1256.1	1248.6	1236.1
85°	607.5	673.0	732.3	814.3	898.2	1003.1	1110.6	1210.4	1292.2	1285.0	1274.6
87.5°	610.0	673.8	731.3	811.5	895.0	1002.9	1113.9	1226.5	1329.1	1321.9	1313.4
90°	612.6	674.7	730.3	808.8	891.7	1002.8	1117.3	1242.6	1362.5	1359.3	1352.7
92.5°	610.0	673.8	731.3	811.5	895.0	1002.9	1113.9	1226.5	1329.1	1321.9	1313.4
95°	607.5	673.0	732.3	814.3	898.2	1003.1	1110.6	1210.4	1292.2	1285.0	1274.6
97.5°	604.9	672.1	733.2	813.4	897.0	996.9	1099.8	1187.2	1256.1	1248.6	1236.1
100°	602.4	668.1	730.4	813.1	896.8	992.5	1091.2	1167.5	1220.7	1213.0	1198.1
102.5°	597.0	665.4	729.0	812.0	895.5	987.1	1081.4	1148.3	1187.1	1178.5	1160.8
105°	593.2	662.2	727.0	809.8	893.3	980.9	1070.7	1130.3	1156.3	1145.4	1124.2
107.5°	589.1	658.4	724.4	806.6	889.9	974.0	1059.2	1114.2	1129.3	1113.8	1088.5
110°	584.8	654.1	721.0	802.3	885.6	966.5	1047.1	1100.7	1107.0	1084.0	1051.6



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	579.6	647.6	713.1	789.2	866.4	937.1	1003.9	1050.9	1051.1	1025.8	995.8
115°	558.2	619.0	677.7	743.4	811.4	873.0	930.1	978.1	983.0	962.6	940.0
117.5°	536.9	590.8	642.8	698.5	757.7	810.3	858.1	902.8	909.3	897.0	880.9
120°	515.6	563.0	608.6	654.9	705.6	749.5	788.5	824.2	835.6	829.5	817.8
122.5°	494.6	535.7	575.1	612.8	655.3	690.6	721.5	748.6	762.4	759.9	750.8
125°	473.7	509.2	542.7	572.4	606.6	634.2	657.4	676.5	689.7	687.5	681.7
127.5°	453.0	483.4	511.3	534.2	559.9	580.6	596.4	608.2	615.9	614.2	610.1
130°	432.7	458.4	481.0	498.2	515.9	530.1	539.0	544.0	545.0	541.6	535.4
132.5°	412.6	434.3	451.8	464.0	474.7	482.9	485.3	484.2	484.0	486.9	492.4
135°	392.4	410.6	423.3	432.6	440.6	448.2	452.2	455.2	457.7	460.6	465.1
137.5°	361.8	380.3	393.5	404.4	413.2	421.0	426.3	429.2	431.4	433.9	437.1
140°	331.1	349.2	363.3	375.4	385.0	393.4	400.4	402.9	405.0	406.5	409.7
142.5°	300.2	317.7	332.4	345.7	355.9	365.0	372.7	376.7	378.9	379.9	381.2
145°	269.2	285.9	301.0	314.5	325.8	336.7	343.8	350.5	352.0	353.1	353.9
147.5°	238.0	254.0	269.0	282.5	294.7	305.2	314.2	321.5	325.6	326.4	326.9
150°	206.7	221.8	236.6	249.7	263.5	273.3	283.5	291.0	297.7	299.9	300.0
152.5°	175.6	189.4	203.1	216.2	228.8	240.2	250.3	259.6	266.2	272.3	273.4
155°	144.6	156.9	169.6	181.8	194.0	205.7	215.9	225.4	233.7	239.7	247.5
157.5°	114.3	125.4	138.1	150.5	163.2	175.8	188.0	198.6	208.8	218.0	225.1
160°	102.1	111.3	122.6	133.8	144.8	155.7	166.4	176.7	185.5	194.0	202.0
162.5°	89.8	97.8	107.1	116.9	126.5	135.9	145.1	154.0	162.5	170.0	176.8
165°	77.5	84.4	91.4	99.9	108.2	116.3	124.1	131.6	138.8	145.7	153.1
167.5°	65.1	70.9	76.6	82.7	89.7	96.5	103.1	109.5	115.5	121.2	126.6
170°	52.6	57.3	61.9	66.5	71.1	76.5	81.8	87.0	92.0	96.8	101.7
172.5°	40.1	43.7	47.2	50.6	53.9	57.2	60.5	64.3	68.1	71.7	75.2
175°	27.5	29.9	32.3	34.6	36.8	39.0	41.1	43.1	45.1	47.0	48.8
177.5°	14.9	16.1	17.3	18.4	19.6	20.7	21.7	22.8	23.7	24.7	25.6
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	26.5	27.3	28.0	28.8	29.4	30.1	30.6	31.1	31.6	32.0	32.4
5°	51.0	53.1	55.1	57.0	58.8	60.5	62.0	63.4	64.7	65.9	66.9
7.5°	78.5	81.7	84.7	87.5	90.1	92.3	94.2	96.0	97.6	99.0	100.2
10°	105.5	109.3	112.9	116.2	119.3	122.2	124.8	127.0	128.6	130.1	131.2
12.5°	131.7	136.5	141.0	144.6	147.9	150.9	153.6	155.9	158.0	159.7	161.1
15°	157.8	162.9	167.6	172.0	175.9	179.2	182.2	184.9	187.2	189.3	191.3
17.5°	183.3	190.2	194.2	198.7	202.8	206.6	210.3	213.9	217.5	221.1	224.7
20°	208.3	214.1	219.5	224.2	228.2	232.2	236.4	240.8	245.4	250.2	254.9
22.5°	231.8	237.6	241.2	245.1	249.4	254.0	259.0	264.2	270.2	277.7	285.1
25°	251.8	254.8	258.7	262.3	266.9	271.9	279.8	288.2	296.7	305.9	316.2
27.5°	273.0	272.3	271.7	275.7	283.1	291.8	301.9	312.2	323.9	335.7	348.5
30°	299.9	299.5	299.3	302.0	304.3	310.9	323.4	336.2	351.3	366.5	382.7
32.5°	327.0	328.1	331.1	334.4	340.1	345.3	352.4	361.5	379.1	400.0	420.7
35°	355.3	358.6	362.9	369.0	375.8	384.6	392.9	405.7	417.4	440.0	471.9
37.5°	384.7	389.1	395.6	403.7	413.6	425.8	440.9	458.1	483.0	508.9	536.7
40°	413.5	420.2	428.6	439.7	454.5	471.8	496.7	525.1	557.4	592.2	626.7
42.5°	443.2	450.9	462.9	478.9	498.6	528.3	560.2	599.4	641.7	680.5	720.8
45°	471.5	483.5	499.1	521.0	552.8	588.1	631.7	675.7	723.5	772.1	825.1
47.5°	502.0	515.1	539.1	570.3	608.9	654.7	702.9	755.6	811.6	869.9	930.1
50°	534.6	553.0	581.2	622.8	669.4	719.7	777.0	837.8	904.1	967.3	1034.2
52.5°	608.2	617.1	641.6	676.4	730.0	788.0	851.7	921.7	989.4	1062.0	1138.7
55°	680.9	690.4	717.2	751.4	799.2	856.2	924.3	998.0	1073.6	1152.7	1242.2
57.5°	748.0	760.3	785.0	820.9	872.6	933.9	1000.7	1072.6	1151.6	1241.5	1340.8
60°	811.7	823.0	847.6	888.1	941.8	1004.5	1073.4	1147.6	1230.2	1322.1	1437.3
62.5°	874.1	882.4	904.7	947.9	1005.3	1068.9	1138.7	1216.1	1307.4	1412.2	1529.3
65°	931.0	937.0	961.4	1005.1	1062.4	1124.8	1196.5	1283.3	1382.5	1494.1	1620.7
67.5°	982.8	985.9	1012.1	1058.0	1113.3	1175.7	1250.4	1342.9	1448.1	1568.5	1720.5
70°	1032.6	1031.1	1057.3	1105.2	1157.2	1220.1	1301.9	1398.3	1506.5	1634.5	1808.8
72.5°	1073.9	1075.0	1100.5	1146.8	1195.2	1260.5	1346.4	1443.4	1554.2	1698.2	1872.4
75°	1111.2	1112.3	1135.1	1173.4	1220.4	1288.5	1381.0	1479.9	1589.6	1743.4	1933.2
77.5°	1147.7	1146.2	1164.6	1194.0	1237.5	1307.0	1400.2	1506.4	1630.1	1789.1	1983.6
80°	1183.6	1177.2	1189.8	1209.8	1249.5	1319.0	1415.4	1528.9	1663.1	1834.0	2033.4
82.5°	1219.2	1206.1	1211.5	1221.6	1257.3	1325.2	1426.3	1546.7	1686.5	1864.4	2075.4
85°	1254.7	1233.7	1230.9	1230.5	1261.6	1326.3	1432.5	1559.4	1700.6	1881.0	2107.1
87.5°	1290.1	1260.5	1248.8	1237.7	1263.9	1324.5	1436.6	1569.6	1709.8	1890.1	2134.4
90°	1326.6	1288.4	1266.6	1244.8	1263.4	1316.8	1430.1	1566.4	1702.6	1876.0	2129.9
92.5°	1290.1	1260.5	1248.7	1237.7	1263.9	1324.5	1436.6	1569.6	1709.8	1890.1	2134.4
95°	1254.7	1233.7	1230.9	1230.5	1261.6	1326.3	1432.5	1559.4	1700.6	1881.0	2107.1
97.5°	1219.2	1206.1	1211.5	1221.6	1257.3	1325.2	1426.3	1546.7	1686.5	1864.4	2075.4
100°	1183.6	1177.2	1189.8	1209.8	1249.5	1319.0	1415.4	1528.9	1663.1	1834.0	2033.4
102.5°	1147.7	1146.2	1164.6	1194.0	1237.5	1307.0	1400.2	1506.4	1630.1	1789.1	1983.6
105°	1111.2	1112.3	1135.1	1173.4	1220.4	1288.5	1381.0	1479.9	1589.6	1743.4	1933.2
107.5°	1073.9	1075.0	1100.5	1146.8	1195.2	1260.5	1346.4	1443.4	1554.2	1698.2	1872.4
110°	1032.6	1031.1	1057.3	1105.2	1157.2	1220.1	1301.9	1398.3	1506.5	1634.5	1808.8



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	982.8	985.9	1012.1	1058.0	1113.3	1175.7	1250.4	1342.9	1448.1	1568.5	1720.5
115°	931.0	937.0	961.4	1005.1	1062.4	1124.8	1196.5	1283.3	1382.5	1494.1	1620.7
117.5°	874.1	882.4	904.7	947.9	1005.3	1068.9	1138.7	1216.1	1307.4	1412.2	1529.3
120°	811.7	823.0	847.6	888.1	941.8	1004.5	1073.4	1147.6	1230.2	1322.1	1437.3
122.5°	748.0	760.3	785.0	820.9	872.6	933.9	1000.7	1072.6	1151.6	1241.5	1340.8
125°	680.9	690.4	717.2	751.4	799.2	856.2	924.3	998.0	1073.6	1152.7	1242.2
127.5°	608.2	617.1	641.6	676.4	730.0	788.0	851.7	921.7	989.4	1062.0	1138.7
130°	534.6	553.0	581.2	622.8	669.4	719.7	777.0	837.8	904.1	967.3	1034.2
132.5°	502.0	515.1	539.1	570.3	608.9	654.7	702.9	755.6	811.6	869.9	930.1
135°	471.5	483.5	499.1	521.0	552.8	588.1	631.7	675.7	723.5	772.1	825.1
137.5°	443.2	450.9	462.9	478.9	498.6	528.3	560.2	599.4	641.7	680.5	720.8
140°	413.5	420.2	428.6	439.7	454.5	471.8	496.7	525.1	557.4	592.2	626.7
142.5°	384.7	389.1	395.6	403.7	413.6	425.8	440.9	458.1	483.0	508.9	536.7
145°	355.3	358.6	362.9	369.0	375.8	384.6	392.9	405.7	417.4	440.0	471.9
147.5°	327.0	328.1	331.1	334.4	340.1	345.3	352.4	361.5	379.1	400.0	420.7
150°	299.9	299.5	299.3	302.0	304.3	310.9	323.4	336.2	351.3	366.5	382.7
152.5°	273.0	272.3	271.7	275.7	283.1	291.8	301.9	312.2	323.9	335.7	348.5
155°	251.8	254.8	258.7	262.3	266.9	271.9	279.8	288.2	296.7	305.9	316.2
157.5°	231.8	237.6	241.2	245.1	249.4	254.0	259.0	264.2	270.2	277.7	285.1
160°	208.3	214.1	219.5	224.2	228.2	232.2	236.4	240.8	245.4	250.2	254.9
162.5°	183.3	190.2	194.2	198.7	202.8	206.6	210.3	213.9	217.5	221.1	224.7
165°	157.8	162.9	167.6	172.0	175.9	179.2	182.2	184.9	187.2	189.3	191.3
167.5°	131.7	136.5	141.0	144.6	147.9	150.9	153.6	155.9	158.0	159.7	161.1
170°	105.5	109.3	112.9	116.2	119.3	122.2	124.8	127.0	128.6	130.1	131.2
172.5°	78.5	81.7	84.7	87.5	90.1	92.3	94.2	96.0	97.6	99.0	100.2
175°	51.0	53.1	55.1	57.0	58.8	60.5	62.0	63.4	64.7	65.9	66.9
177.5°	26.5	27.3	28.0	28.8	29.4	30.1	30.6	31.1	31.6	32.0	32.4
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: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	32.6	32.9	33.1	33.2	33.2	33.2	34.2	33.8	33.3	32.9	32.5
5°	67.8	68.6	69.2	69.6	70.0	70.2	70.2	70.1	71.0	70.2	69.3
7.5°	101.2	102.0	102.6	103.1	103.3	103.3	103.1	102.8	102.2	102.2	100.9
10°	132.2	132.8	133.2	133.4	133.3	133.0	132.5	131.7	130.6	130.3	128.3
12.5°	162.2	163.1	163.7	164.0	164.0	163.7	163.2	162.3	161.2	159.7	158.6
15°	193.8	196.1	198.2	200.1	201.8	203.1	204.1	204.8	205.1	205.0	205.5
17.5°	228.2	231.7	235.0	238.2	241.1	243.8	246.1	248.1	249.7	250.8	252.6
20°	259.7	264.8	270.4	275.6	280.6	285.1	289.2	292.9	296.0	298.5	301.9
22.5°	292.3	299.5	307.2	314.9	322.1	328.9	335.2	340.8	345.8	350.0	355.3
25°	326.4	336.3	346.1	356.5	366.5	375.9	384.6	392.6	399.8	406.1	411.4
27.5°	361.8	374.9	387.7	401.2	415.0	428.0	440.1	451.2	461.2	470.1	477.6
30°	399.7	417.6	435.0	451.8	470.9	488.3	503.9	517.7	529.6	539.7	548.0
32.5°	443.2	469.3	493.6	516.1	538.8	560.4	579.2	595.3	608.8	619.7	628.1
35°	502.0	534.8	566.4	594.9	620.6	644.1	664.0	680.6	693.9	704.1	711.2
37.5°	576.8	614.2	649.9	681.7	709.4	737.3	761.3	780.7	795.5	806.1	812.6
40°	661.6	701.8	744.9	784.8	819.3	850.1	877.4	899.4	916.1	927.7	934.2
42.5°	765.7	810.5	857.4	903.0	942.8	978.0	1013.8	1043.4	1066.8	1083.8	1094.2
45°	877.1	930.2	980.7	1036.1	1087.3	1138.5	1175.3	1210.8	1238.0	1256.9	1267.7
47.5°	989.8	1053.9	1118.9	1186.5	1250.3	1305.0	1359.0	1410.2	1452.1	1484.1	1505.7
50°	1106.5	1181.2	1263.5	1345.5	1437.9	1512.8	1579.9	1641.2	1695.4	1740.8	1775.9
52.5°	1223.3	1312.7	1415.2	1521.5	1625.9	1719.1	1798.1	1874.2	1942.8	2002.3	2050.6
55°	1338.3	1450.9	1566.5	1683.1	1799.7	1914.5	2012.5	2093.2	2166.2	2232.4	2289.4
57.5°	1456.5	1579.9	1706.3	1844.9	1984.5	2085.4	2183.9	2271.6	2350.5	2422.8	2486.5
60°	1564.7	1701.1	1857.9	1998.3	2120.5	2228.5	2326.2	2419.3	2502.9	2577.9	2643.3
62.5°	1665.9	1838.0	1989.4	2125.8	2239.0	2348.1	2448.9	2547.4	2629.8	2707.8	2778.7
65°	1789.1	1951.4	2098.3	2220.3	2335.8	2447.2	2551.6	2647.0	2738.0	2821.1	2891.4
67.5°	1891.2	2051.7	2177.0	2295.9	2414.8	2533.2	2642.6	2746.5	2840.8	2916.8	2981.3
70°	1976.9	2128.6	2254.6	2364.5	2488.5	2608.0	2723.2	2830.0	2924.7	3009.4	3074.8
72.5°	2049.0	2202.1	2322.7	2441.1	2554.4	2670.7	2796.9	2908.4	3017.5	3099.5	3154.8
75°	2113.3	2257.7	2380.4	2498.2	2613.0	2739.8	2858.7	2971.2	3069.7	3165.6	3233.0
77.5°	2169.1	2306.5	2422.4	2538.7	2663.2	2791.5	2909.2	3008.7	3123.9	3225.6	3295.8
80°	2209.4	2338.1	2448.8	2567.5	2695.4	2834.9	2945.1	3057.0	3171.2	3272.5	3328.3
82.5°	2243.3	2365.3	2475.4	2592.3	2719.6	2850.7	2970.9	3088.7	3212.2	3306.0	3355.9
85°	2267.2	2382.3	2490.1	2611.7	2741.7	2868.2	2984.2	3102.8	3225.0	3324.0	3385.6
87.5°	2286.1	2389.5	2493.0	2618.8	2745.6	2871.3	2989.4	3114.5	3235.8	3333.9	3382.4
90°	2282.5	2387.2	2485.3	2612.8	2732.7	2857.0	2976.9	3102.2	3227.6	3319.2	3373.7
92.5°	2286.1	2389.5	2493.0	2618.8	2745.6	2871.3	2989.4	3114.5	3235.8	3333.9	3382.4
95°	2267.2	2382.3	2490.1	2611.7	2741.7	2868.2	2984.2	3102.8	3225.0	3324.0	3385.6
97.5°	2243.3	2365.3	2475.4	2592.3	2719.6	2850.7	2970.9	3088.7	3212.2	3306.0	3355.9
100°	2209.4	2338.1	2448.8	2567.5	2695.4	2834.9	2945.1	3057.0	3171.2	3272.5	3328.3
102.5°	2169.1	2306.5	2422.4	2538.7	2663.2	2791.5	2909.2	3008.7	3123.9	3225.6	3295.8
105°	2113.3	2257.7	2380.4	2498.2	2613.0	2739.8	2858.7	2971.2	3069.7	3165.6	3233.0
107.5°	2049.0	2202.1	2322.7	2441.1	2554.4	2670.7	2796.9	2908.4	3017.5	3099.5	3154.8
110°	1976.9	2128.6	2254.6	2364.5	2488.5	2608.0	2723.2	2830.0	2924.7	3009.4	3074.8



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1891.2	2051.7	2177.0	2295.9	2414.8	2533.2	2642.6	2746.5	2840.8	2916.8	2981.3
115°	1789.1	1951.4	2098.3	2220.3	2335.8	2447.2	2551.6	2647.0	2738.0	2821.1	2891.4
117.5°	1665.9	1838.0	1989.4	2125.8	2239.0	2348.1	2448.9	2547.4	2629.8	2707.8	2778.7
120°	1564.7	1701.1	1857.9	1998.3	2120.5	2228.5	2326.2	2419.3	2502.9	2577.9	2643.3
122.5°	1456.5	1579.9	1706.3	1844.9	1984.5	2085.4	2183.9	2271.6	2350.5	2422.8	2486.5
125°	1338.3	1450.9	1566.5	1683.1	1799.7	1914.5	2012.5	2093.2	2166.2	2232.4	2289.4
127.5°	1223.3	1312.7	1415.2	1521.5	1625.9	1719.1	1798.1	1874.2	1942.8	2002.3	2050.6
130°	1106.5	1181.2	1263.5	1345.5	1437.9	1512.8	1579.9	1641.2	1695.4	1740.8	1775.9
132.5°	989.8	1053.9	1118.9	1186.5	1250.3	1305.0	1359.0	1410.2	1452.1	1484.1	1505.7
135°	877.1	930.2	980.7	1036.1	1087.3	1138.5	1175.3	1210.8	1238.0	1256.9	1267.7
137.5°	765.7	810.5	857.4	903.0	942.8	978.0	1013.8	1043.4	1066.8	1083.8	1094.2
140°	661.6	701.8	744.9	784.8	819.3	850.1	877.4	899.4	916.1	927.7	934.2
142.5°	576.8	614.2	649.9	681.7	709.4	737.3	761.3	780.7	795.5	806.1	812.6
145°	502.0	534.8	566.4	594.9	620.6	644.1	664.0	680.6	693.9	704.1	711.2
147.5°	443.2	469.3	493.6	516.1	538.8	560.4	579.2	595.3	608.8	619.7	628.1
150°	399.7	417.6	435.0	451.8	470.9	488.3	503.9	517.7	529.6	539.7	548.0
152.5°	361.8	374.9	387.7	401.2	415.0	428.0	440.1	451.2	461.2	470.1	477.6
155°	326.4	336.3	346.1	356.5	366.5	375.9	384.6	392.6	399.8	406.1	411.4
157.5°	292.3	299.5	307.2	314.9	322.1	328.9	335.2	340.8	345.8	350.0	355.3
160°	259.7	264.8	270.4	275.6	280.6	285.1	289.2	292.9	296.0	298.5	301.9
162.5°	228.2	231.7	235.0	238.2	241.1	243.8	246.1	248.1	249.7	250.8	252.6
165°	193.8	196.1	198.2	200.1	201.8	203.1	204.1	204.8	205.1	205.0	205.5
167.5°	162.2	163.1	163.7	164.0	164.0	163.7	163.2	162.3	161.2	159.7	158.6
170°	132.2	132.8	133.2	133.4	133.3	133.0	132.5	131.7	130.6	130.3	128.3
172.5°	101.2	102.0	102.6	103.1	103.3	103.3	103.1	102.8	102.2	102.2	100.9
175°	67.8	68.6	69.2	69.6	70.0	70.2	70.2	70.1	71.0	70.2	69.3
177.5°	32.6	32.9	33.1	33.2	33.2	33.2	34.2	33.8	33.3	32.9	32.5
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: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2.2	2.2
2.5°	32.0	31.6
5°	68.5	67.6
7.5°	99.5	98.1
10°	126.3	124.3
12.5°	156.1	153.7
15°	203.6	201.7
17.5°	251.7	250.7
20°	301.9	301.9
22.5°	356.4	357.5
25°	416.2	418.6
27.5°	484.5	488.3
30°	555.4	559.2
32.5°	635.2	637.7
35°	716.8	717.2
37.5°	816.9	814.3
40°	938.2	933.1
42.5°	1101.4	1095.5
45°	1274.2	1265.5
47.5°	1522.1	1515.2
50°	1806.4	1808.4
52.5°	2094.0	2106.0
55°	2342.7	2366.5
57.5°	2546.7	2580.1
60°	2704.1	2741.4
62.5°	2840.7	2891.9
65°	2949.5	2996.5
67.5°	3034.8	3078.3
70°	3124.2	3160.0
72.5°	3196.1	3225.4
75°	3265.8	3282.1
77.5°	3319.8	3332.2
80°	3354.5	3368.2
82.5°	3379.1	3398.7
85°	3394.0	3417.3
87.5°	3410.5	3429.3
90°	3392.2	3420.5
92.5°	3410.5	3429.3
95°	3394.0	3417.3
97.5°	3379.1	3398.7
100°	3354.5	3368.2
102.5°	3319.8	3332.2
105°	3265.8	3282.1
107.5°	3196.1	3225.4
110°	3124.2	3160.0



TEST NUMBER: P232063

CATALOG NUMBER: FVS4WM-3-LD4-50-2HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	3034.8	3078.3
115°	2949.5	2996.5
117.5°	2840.7	2891.9
120°	2704.1	2741.4
122.5°	2546.7	2580.1
125°	2342.7	2366.5
127.5°	2094.0	2106.0
130°	1806.4	1808.4
132.5°	1522.1	1515.2
135°	1274.2	1265.5
137.5°	1101.4	1095.5
140°	938.2	933.1
142.5°	816.9	814.3
145°	716.8	717.2
147.5°	635.2	637.7
150°	555.4	559.2
152.5°	484.5	488.3
155°	416.2	418.6
157.5°	356.4	357.5
160°	301.9	301.9
162.5°	251.7	250.7
165°	203.6	201.7
167.5°	156.1	153.7
170°	126.3	124.3
172.5°	99.5	98.1
175°	68.5	67.6
177.5°	32.0	31.6
180°	2.0	2.0

(END OF REPORT)