

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: P231951

Luminaire Tested: **FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-13)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 1-MODULE LED WITH P125 LENS
Light Source: (84) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

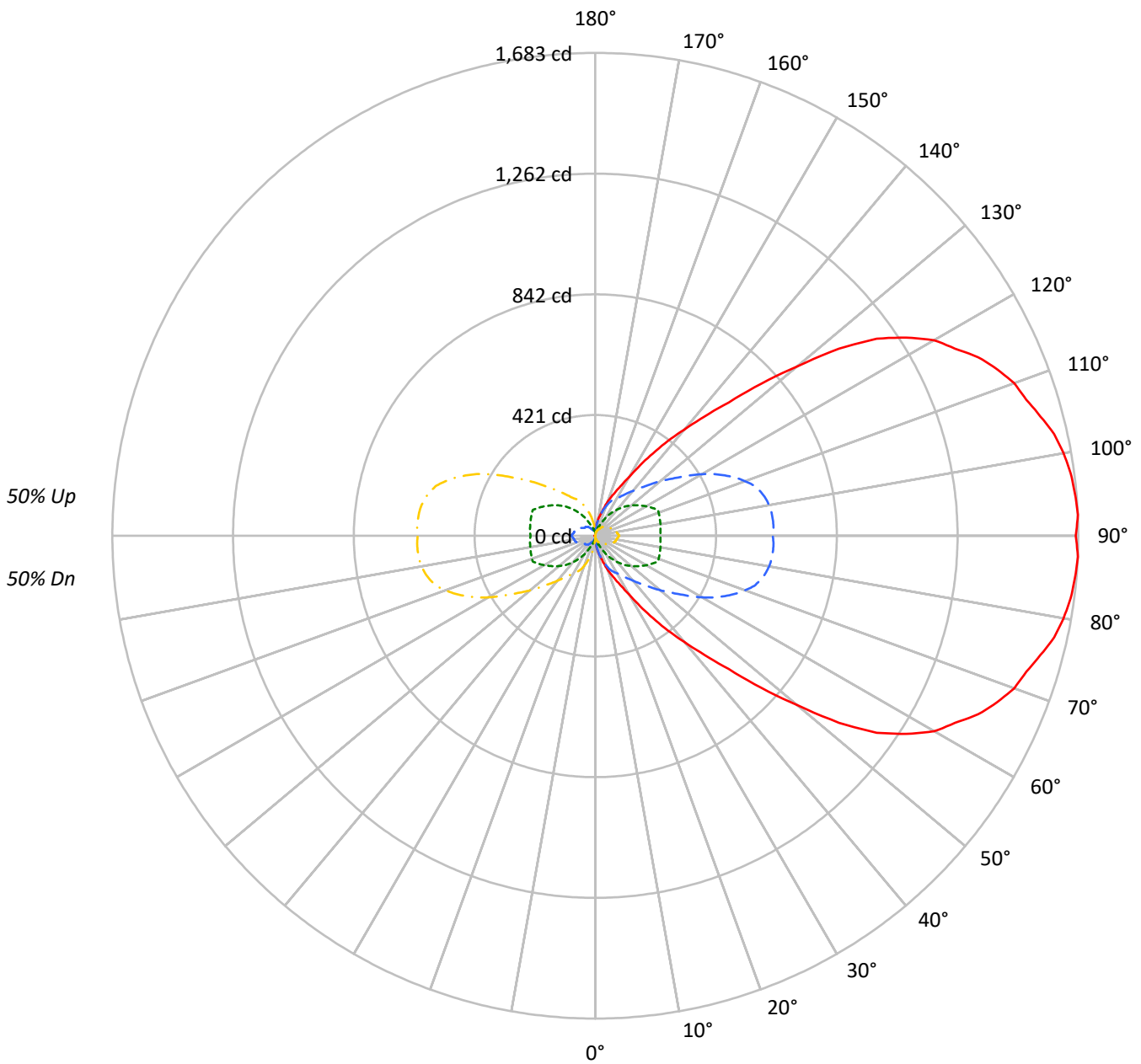
Lumens per Lamp: N/A
Luminaire Lumens: 3936.2 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 24.51 / 15.82 / 16.5
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 33.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14	14	14	14
5°	435	136	12	136
10°	716	258	11	258
15°	912	385	10	385
20°	1263	519	9	519
25°	1608	788	8	788
30°	2116	1213	8	1213
35°	2986	1683	8	1683
40°	3981	2218	7	2218
45°	5274	2841	7	2841
50°	7243	3520	7	3520
55°	9351	4360	7	4360
60°	10620	5435	7	5435
65°	11530	6868	14	6868
70°	12329	8471	14	8471
75°	13013	10401	15	10401
80°	13819	13690	0	13690
85°	14538	20413	0	20413



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.0
10°-20°	12.8	0.3
20°-30°	35.7	0.9
30°-40°	79.1	2.0
40°-50°	154.4	3.9
50°-60°	273.4	6.9
60°-70°	398.1	10.1
70°-80°	484.4	12.3
80°-90°	528.2	13.4
90°-100°	528.2	13.4
100°-110°	484.4	12.3
110°-120°	398.1	10.1
120°-130°	273.4	6.9
130°-140°	154.4	3.9
140°-150°	79.1	2.0
150°-160°	35.7	0.9
160°-170°	12.8	0.3
170°-180°	1.9	0.0
0°-30°	50.4	1.3
0°-40°	129.5	3.3
0°-60°	557.3	14.2
0°-90°	1968.1	50.0
90°-120°	1410.8	35.8
90°-150°	1917.7	48.7
90°-180°	1968.0	50.0
0°-180°	3936.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1	1	1	1	1	
5°	33	9	1	9	33	4
15°	84	25	1	25	84	26
25°	171	49	1	49	171	82
35°	350	96	1	96	350	226
45°	657	144	1	144	657	528
55°	1198	185	1	185	1198	1057
65°	1472	226	2	226	1472	1455
75°	1606	232	2	232	1606	1700
85°	1678	228	0	228	1678	1367
90°	1674	226	0	226	1674	920
95°	1678	228	0	228	1678	1367
105°	1606	232	2	232	1606	1700
115°	1472	226	2	226	1472	1455
125°	1198	185	1	185	1198	1057
135°	657	144	1	144	657	528
145°	350	96	1	96	350	226
155°	171	49	1	49	171	82
165°	84	25	1	25	84	26
175°	33	9	1	9	33	4
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	15.1	15.3	15.4	15.6	15.8	15.9	16.1	15.6	15.6	15.5	15.4
5°	32.8	33.1	33.4	33.7	34.0	33.5	33.4	33.3	33.1	32.9	32.5
7.5°	47.0	47.5	48.0	48.5	48.4	48.5	48.6	48.5	48.4	48.2	47.9
10°	60.3	61.1	61.9	62.6	62.6	62.9	63.0	63.1	63.0	62.8	62.5
12.5°	70.0	71.2	72.4	73.1	74.0	74.7	75.2	75.6	75.9	76.0	76.0
15°	84.2	85.7	87.2	87.9	88.8	89.5	90.1	90.4	90.6	90.5	90.3
17.5°	103.7	105.1	106.4	106.7	107.2	107.5	107.6	107.5	107.3	106.9	106.3
20°	125.9	126.8	127.8	127.2	127.1	126.8	126.2	125.4	124.6	123.5	122.4
22.5°	148.0	148.4	148.8	147.6	146.8	145.8	144.5	143.1	141.5	139.7	137.9
25°	171.1	171.1	170.2	169.1	167.7	165.8	163.7	161.3	158.6	155.7	152.6
27.5°	199.4	198.9	197.2	195.3	192.8	189.8	186.3	182.5	178.2	173.6	169.2
30°	237.5	236.5	233.6	230.3	226.2	221.4	215.8	209.5	202.6	195.2	189.4
32.5°	291.6	289.7	284.8	279.3	272.6	264.8	255.8	245.9	235.0	224.7	215.6
35°	350.1	347.8	342.0	335.4	327.0	317.0	305.5	292.4	277.8	264.0	250.0
37.5°	416.6	413.9	406.8	398.6	388.4	376.2	362.0	346.0	328.6	311.1	292.2
40°	483.1	480.9	473.7	465.2	454.1	440.4	424.2	405.4	385.1	363.8	341.0
42.5°	562.8	561.3	553.3	543.5	530.4	513.8	493.9	470.6	447.4	422.1	394.1
45°	656.8	655.4	645.8	634.2	618.5	598.8	575.3	551.6	520.2	488.6	455.0
47.5°	784.4	779.8	763.7	745.5	722.8	696.2	666.1	634.5	601.3	564.5	527.6
50°	918.3	911.5	891.2	868.2	839.5	805.4	766.6	727.3	687.2	644.2	601.7
52.5°	1070.7	1062.8	1037.7	1008.9	972.2	928.1	877.2	829.1	776.5	724.1	675.0
55°	1197.5	1192.3	1170.6	1144.0	1108.4	1063.5	1009.4	945.1	872.7	808.3	747.8
57.5°	1285.2	1286.0	1273.0	1254.9	1227.6	1190.4	1138.7	1060.6	982.2	897.6	820.3
60°	1363.2	1364.0	1353.2	1339.5	1320.5	1296.2	1241.9	1163.7	1077.4	985.7	897.8
62.5°	1412.8	1413.1	1408.9	1400.0	1386.2	1367.6	1314.1	1248.8	1162.6	1068.4	970.2
65°	1472.2	1470.2	1463.2	1452.1	1437.6	1414.1	1372.8	1315.7	1235.9	1140.8	1036.7
67.5°	1515.7	1513.2	1506.6	1496.2	1482.6	1461.2	1428.0	1377.8	1305.4	1208.4	1099.6
70°	1553.8	1550.5	1543.0	1532.0	1517.4	1498.4	1476.7	1434.3	1372.3	1277.3	1165.5
72.5°	1575.0	1577.2	1574.4	1564.9	1547.7	1527.1	1505.4	1479.9	1423.1	1333.5	1224.5
75°	1606.1	1606.0	1602.1	1592.2	1574.7	1551.6	1528.1	1505.2	1467.1	1378.9	1268.9
77.5°	1638.0	1629.2	1619.9	1608.2	1591.6	1573.9	1552.3	1530.0	1493.8	1423.1	1304.1
80°	1656.6	1647.1	1633.4	1618.2	1601.8	1588.6	1572.9	1554.1	1523.5	1459.3	1336.1
82.5°	1670.8	1656.7	1643.1	1627.0	1615.7	1601.6	1586.0	1568.4	1540.2	1480.2	1369.8
85°	1677.9	1660.9	1646.4	1637.8	1625.8	1611.6	1593.7	1573.7	1548.0	1496.6	1389.9
87.5°	1683.2	1655.9	1653.2	1644.4	1628.5	1613.8	1596.5	1575.7	1551.9	1507.6	1396.2
90°	1674.3	1657.5	1649.5	1642.4	1624.7	1612.3	1596.3	1575.0	1551.1	1509.5	1388.9
92.5°	1683.2	1655.9	1653.2	1644.4	1628.5	1613.8	1596.5	1575.7	1551.8	1507.6	1396.2
95°	1677.9	1660.9	1646.4	1637.8	1625.8	1611.6	1593.7	1573.7	1548.0	1496.6	1389.9
97.5°	1670.8	1656.7	1643.1	1627.0	1615.7	1601.6	1586.0	1568.4	1540.2	1480.2	1369.8
100°	1656.6	1647.1	1633.4	1618.2	1601.8	1588.6	1572.9	1554.1	1523.5	1459.3	1336.1
102.5°	1638.0	1629.2	1619.9	1608.2	1591.6	1573.9	1552.3	1530.0	1493.8	1423.1	1304.1
105°	1606.1	1606.0	1602.1	1592.2	1574.7	1551.6	1528.1	1505.2	1467.1	1378.9	1268.9
107.5°	1575.0	1577.2	1574.4	1564.9	1547.7	1527.1	1505.4	1479.9	1423.1	1333.5	1224.5
110°	1553.8	1550.5	1543.0	1532.0	1517.4	1498.4	1476.7	1434.3	1372.3	1277.3	1165.5



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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°	1515.7	1513.2	1506.6	1496.2	1482.6	1461.2	1428.0	1377.8	1305.4	1208.4	1099.6
115°	1472.2	1470.2	1463.2	1452.1	1437.6	1414.1	1372.8	1315.7	1235.9	1140.8	1036.7
117.5°	1412.8	1413.1	1408.9	1400.0	1386.2	1367.6	1314.1	1248.8	1162.6	1068.4	970.2
120°	1363.2	1364.0	1353.2	1339.5	1320.5	1296.2	1241.9	1163.7	1077.4	985.7	897.8
122.5°	1285.2	1286.0	1273.0	1254.9	1227.6	1190.4	1138.7	1060.6	982.2	897.6	820.3
125°	1197.5	1192.3	1170.6	1144.0	1108.4	1063.5	1009.4	945.1	872.7	808.3	747.8
127.5°	1070.7	1062.8	1037.7	1008.9	972.2	928.1	877.2	829.1	776.5	724.1	675.0
130°	918.3	911.5	891.2	868.2	839.5	805.4	766.6	727.3	687.2	644.2	601.7
132.5°	784.4	779.8	763.7	745.5	722.8	696.2	666.1	634.5	601.3	564.5	527.6
135°	656.8	655.4	645.8	634.2	618.5	598.8	575.3	551.6	520.2	488.6	455.0
137.5°	562.8	561.3	553.3	543.5	530.4	513.8	493.9	470.6	447.4	422.1	394.1
140°	483.1	480.9	473.7	465.2	454.1	440.4	424.2	405.4	385.1	363.8	341.0
142.5°	416.6	413.9	406.8	398.6	388.4	376.2	362.0	346.0	328.6	311.1	292.2
145°	350.1	347.8	342.0	335.4	327.0	317.0	305.5	292.4	277.8	264.0	250.0
147.5°	291.6	289.7	284.8	279.3	272.6	264.8	255.8	245.9	235.0	224.7	215.6
150°	237.5	236.5	233.6	230.3	226.2	221.4	215.8	209.5	202.6	195.2	189.4
152.5°	199.4	198.9	197.2	195.3	192.8	189.8	186.3	182.5	178.2	173.6	169.2
155°	171.1	171.1	170.2	169.1	167.7	165.8	163.7	161.3	158.6	155.7	152.6
157.5°	148.0	148.4	148.8	147.6	146.8	145.8	144.5	143.1	141.5	139.7	137.9
160°	125.9	126.8	127.8	127.2	127.1	126.8	126.2	125.4	124.6	123.5	122.4
162.5°	103.7	105.1	106.4	106.7	107.2	107.5	107.6	107.5	107.3	106.9	106.3
165°	84.2	85.7	87.2	87.9	88.8	89.5	90.1	90.4	90.6	90.5	90.3
167.5°	70.0	71.2	72.4	73.1	74.0	74.7	75.2	75.6	75.9	76.0	76.0
170°	60.3	61.1	61.9	62.6	62.6	62.9	63.0	63.1	63.0	62.8	62.5
172.5°	47.0	47.5	48.0	48.5	48.4	48.5	48.6	48.5	48.4	48.2	47.9
175°	32.8	33.1	33.4	33.7	34.0	33.5	33.4	33.3	33.1	32.9	32.5
177.5°	15.1	15.3	15.4	15.6	15.8	15.9	16.1	15.6	15.6	15.5	15.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	15.3	15.1	15.0	14.8	14.5	14.3	14.0	13.7	13.4	13.0	12.6
5°	32.1	31.7	31.2	30.6	29.9	29.2	28.5	27.7	26.8	25.9	24.9
7.5°	47.5	47.0	46.4	45.7	44.9	44.1	43.1	42.1	41.0	39.7	38.2
10°	62.1	61.5	60.8	60.0	59.1	58.0	56.8	55.4	54.0	52.4	50.7
12.5°	75.8	75.4	74.9	74.2	73.3	72.0	70.5	68.9	67.1	65.2	63.1
15°	89.8	89.2	88.4	87.6	86.6	85.4	84.0	82.4	80.5	78.2	75.7
17.5°	105.7	104.9	103.9	102.8	101.4	99.8	97.9	95.9	93.8	91.3	88.5
20°	121.2	120.0	118.8	117.5	116.1	114.7	112.8	110.4	107.9	105.0	101.8
22.5°	136.1	134.3	132.5	130.8	129.1	127.4	125.7	124.0	122.3	119.0	115.5
25°	150.0	147.5	145.0	142.5	140.3	138.4	136.6	134.9	133.0	131.2	129.8
27.5°	165.3	161.2	157.0	153.3	150.5	147.8	145.7	143.6	142.1	140.6	138.8
30°	183.3	177.1	171.1	165.9	161.0	156.2	153.4	150.9	149.8	149.7	149.4
32.5°	206.1	196.1	188.0	180.6	173.0	167.1	163.6	160.9	160.1	159.2	158.9
35°	235.3	221.2	209.8	198.1	189.1	183.4	177.6	174.1	170.7	169.1	168.2
37.5°	271.9	254.1	236.9	223.7	212.6	202.2	194.7	188.2	183.4	179.8	177.6
40°	317.2	294.5	274.0	256.5	240.1	225.5	214.0	204.0	197.0	191.5	187.7
42.5°	367.6	343.4	318.7	295.5	273.5	253.8	235.5	222.9	211.5	204.2	198.6
45°	425.8	394.9	366.3	337.8	311.0	284.8	263.3	242.7	229.2	217.4	209.9
47.5°	489.9	452.0	417.1	382.3	350.9	320.6	292.5	268.8	247.3	233.0	222.1
50°	558.2	515.2	471.0	431.1	393.2	357.4	324.8	294.9	270.5	249.6	234.7
52.5°	625.3	577.8	530.1	481.7	436.9	395.7	357.7	323.9	294.4	268.6	255.2
55°	691.6	636.8	585.6	534.9	482.9	435.0	390.4	353.2	325.3	302.3	284.5
57.5°	756.1	695.0	636.8	583.0	530.2	475.6	430.9	392.2	359.7	334.9	315.3
60°	816.3	749.1	686.5	626.0	574.5	522.9	472.1	428.9	393.9	366.4	345.3
62.5°	877.6	796.4	731.6	672.1	615.3	564.2	512.1	465.5	426.2	394.4	373.6
65°	934.3	848.0	773.2	711.9	653.4	599.4	548.1	497.8	456.3	422.8	400.1
67.5°	995.3	900.1	816.9	745.7	685.7	630.1	579.0	528.9	485.4	449.7	423.8
70°	1054.0	948.6	857.5	775.9	712.8	656.9	605.2	556.0	510.8	474.0	444.9
72.5°	1104.3	991.4	891.6	805.8	734.6	677.9	627.4	580.7	533.2	496.6	467.0
75°	1149.4	1028.3	919.2	829.1	750.9	694.2	644.2	595.8	550.9	514.4	486.6
77.5°	1185.0	1056.8	941.8	849.9	768.4	704.3	653.3	607.2	564.4	529.2	503.6
80°	1211.2	1088.3	971.5	869.9	781.7	710.9	658.9	614.9	574.7	541.1	518.5
82.5°	1236.8	1113.8	993.3	886.0	790.9	714.1	661.4	619.5	582.3	550.7	531.6
85°	1252.5	1128.9	1006.9	897.4	795.7	714.0	661.0	621.3	587.6	558.6	543.4
87.5°	1258.1	1138.4	1016.3	906.8	798.4	712.1	659.0	621.5	591.5	565.3	554.3
90°	1253.3	1129.2	1010.4	903.2	791.5	704.6	653.2	618.7	593.0	570.8	564.6
92.5°	1258.1	1138.4	1016.3	906.8	798.4	712.1	659.0	621.5	591.5	565.3	554.3
95°	1252.5	1128.9	1006.9	897.4	795.7	714.0	661.0	621.3	587.6	558.6	543.4
97.5°	1236.8	1113.8	993.3	886.0	790.9	714.1	661.4	619.5	582.3	550.7	531.6
100°	1211.2	1088.3	971.5	869.9	781.7	710.9	658.9	614.9	574.7	541.1	518.5
102.5°	1185.0	1056.8	941.8	849.9	768.4	704.3	653.3	607.2	564.4	529.2	503.6
105°	1149.4	1028.3	919.2	829.1	750.9	694.2	644.2	595.8	550.9	514.4	486.6
107.5°	1104.3	991.4	891.6	805.8	734.6	677.9	627.4	580.7	533.2	496.6	467.0
110°	1054.0	948.6	857.5	775.9	712.8	656.9	605.2	556.0	510.8	474.0	444.9



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	995.3	900.1	816.9	745.7	685.7	630.1	579.0	528.9	485.4	449.7	423.8
115°	934.3	848.0	773.2	711.9	653.4	599.4	548.1	497.8	456.3	422.8	400.1
117.5°	877.6	796.4	731.6	672.1	615.3	564.2	512.1	465.5	426.2	394.4	373.6
120°	816.3	749.1	686.5	626.0	574.5	522.9	472.1	428.9	393.9	366.4	345.3
122.5°	756.1	695.0	636.8	583.0	530.2	475.6	430.9	392.2	359.7	334.9	315.3
125°	691.6	636.8	585.6	534.9	482.9	435.0	390.4	353.2	325.3	302.3	284.5
127.5°	625.3	577.8	530.1	481.7	436.9	395.7	357.7	323.9	294.4	268.6	255.2
130°	558.2	515.2	471.0	431.1	393.2	357.4	324.8	294.9	270.5	249.6	234.7
132.5°	489.9	452.0	417.1	382.3	350.9	320.6	292.5	268.8	247.3	233.0	222.1
135°	425.8	394.9	366.3	337.8	311.0	284.8	263.3	242.7	229.2	217.4	209.9
137.5°	367.6	343.4	318.7	295.5	273.5	253.8	235.5	222.9	211.5	204.2	198.6
140°	317.2	294.5	274.0	256.5	240.1	225.5	214.0	204.0	197.0	191.5	187.7
142.5°	271.9	254.1	236.9	223.7	212.6	202.2	194.7	188.2	183.4	179.8	177.6
145°	235.3	221.2	209.8	198.1	189.1	183.4	177.6	174.1	170.7	169.1	168.2
147.5°	206.1	196.1	188.0	180.6	173.0	167.1	163.6	160.9	160.1	159.2	158.9
150°	183.3	177.1	171.1	165.9	161.0	156.2	153.4	150.9	149.8	149.7	149.4
152.5°	165.3	161.2	157.0	153.3	150.5	147.8	145.7	143.6	142.1	140.6	138.8
155°	150.0	147.5	145.0	142.5	140.3	138.4	136.6	134.9	133.0	131.2	129.8
157.5°	136.1	134.3	132.5	130.8	129.1	127.4	125.7	124.0	122.3	119.0	115.5
160°	121.2	120.0	118.8	117.5	116.1	114.7	112.8	110.4	107.9	105.0	101.8
162.5°	105.7	104.9	103.9	102.8	101.4	99.8	97.9	95.9	93.8	91.3	88.5
165°	89.8	89.2	88.4	87.6	86.6	85.4	84.0	82.4	80.5	78.2	75.7
167.5°	75.8	75.4	74.9	74.2	73.3	72.0	70.5	68.9	67.1	65.2	63.1
170°	62.1	61.5	60.8	60.0	59.1	58.0	56.8	55.4	54.0	52.4	50.7
172.5°	47.5	47.0	46.4	45.7	44.9	44.1	43.1	42.1	41.0	39.7	38.2
175°	32.1	31.7	31.2	30.6	29.9	29.2	28.5	27.7	26.8	25.9	24.9
177.5°	15.3	15.1	15.0	14.8	14.5	14.3	14.0	13.7	13.4	13.0	12.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	12.3	11.8	11.4	11.0	10.5	10.0	9.5	9.0	8.4	7.9	7.3
5°	23.9	22.8	21.7	20.8	19.9	18.9	17.9	16.9	15.8	14.7	13.6
7.5°	36.7	35.1	33.5	31.8	30.0	28.2	26.3	24.7	23.1	21.5	19.9
10°	48.9	47.0	45.1	42.7	40.4	38.0	35.5	33.0	30.4	28.2	26.1
12.5°	60.9	58.5	55.9	53.3	50.5	47.6	44.6	41.4	38.3	35.0	32.2
15°	73.0	70.2	67.6	63.9	60.5	57.0	53.4	49.7	45.9	42.1	38.3
17.5°	86.0	82.1	78.5	74.7	70.8	66.6	62.3	57.8	53.4	49.1	44.6
20°	98.3	94.4	90.3	85.9	81.2	76.4	71.3	66.1	60.8	55.9	50.9
22.5°	111.8	107.4	102.5	97.3	92.0	86.4	80.6	74.7	68.5	62.5	57.1
25°	125.0	120.5	115.5	109.5	103.8	98.3	92.6	86.7	80.7	74.5	69.0
27.5°	137.7	134.5	130.0	125.2	119.3	113.2	107.1	100.7	94.2	87.7	81.5
30°	148.5	147.3	144.4	139.5	134.1	127.8	121.3	114.4	107.8	100.7	93.9
32.5°	158.6	157.7	156.4	153.0	147.7	141.7	135.1	128.0	120.5	113.3	106.2
35°	167.6	167.4	166.4	165.0	160.6	155.0	148.3	141.8	133.4	125.6	118.4
37.5°	176.6	176.1	175.9	174.7	173.5	167.3	161.0	154.0	146.2	137.7	130.3
40°	185.7	184.6	184.4	184.1	182.7	179.1	173.1	166.2	158.7	149.8	142.0
42.5°	194.9	193.4	192.6	192.6	191.9	190.6	184.5	178.0	170.9	161.9	153.4
45°	205.0	201.8	200.9	200.6	200.7	199.6	195.6	189.3	182.4	173.7	164.6
47.5°	214.5	211.1	209.0	208.4	208.8	209.9	211.4	208.6	204.8	198.3	188.4
50°	225.8	220.8	222.4	226.4	231.0	235.6	239.0	237.3	234.2	228.4	216.0
52.5°	247.0	244.6	246.1	249.8	254.9	260.6	265.0	265.6	263.3	259.2	244.1
55°	273.7	269.3	269.2	272.5	278.3	284.8	290.5	293.4	292.0	289.1	272.7
57.5°	301.3	293.3	291.5	295.2	301.4	308.6	315.6	320.8	320.4	318.1	301.7
60°	327.9	317.7	315.1	317.7	323.9	332.1	340.3	347.5	348.2	346.9	331.1
62.5°	355.7	343.6	338.4	339.8	346.1	355.2	364.6	373.0	375.7	375.4	360.7
65°	382.7	368.8	361.2	361.3	367.8	378.1	388.5	398.2	402.9	403.7	390.6
67.5°	408.1	393.1	383.5	383.3	390.0	400.7	412.2	423.2	429.9	431.8	420.7
70°	432.0	417.5	407.5	405.3	410.0	419.0	428.8	438.1	443.6	441.0	426.0
72.5°	451.5	436.7	424.6	420.3	423.6	431.0	439.1	447.0	452.6	446.5	427.6
75°	468.5	453.5	440.3	435.1	437.5	443.5	450.0	456.1	462.1	452.8	429.2
77.5°	485.4	469.9	455.5	449.7	451.7	456.4	461.3	465.3	472.0	459.7	430.5
80°	502.0	485.9	470.2	464.1	466.2	469.8	473.1	474.6	482.1	467.1	431.7
82.5°	518.3	501.4	484.5	478.4	480.9	483.5	485.2	484.1	492.4	474.6	434.3
85°	534.2	516.5	498.4	492.7	495.7	497.5	497.6	493.4	503.1	483.1	434.0
87.5°	549.9	531.3	512.2	506.9	510.6	511.5	509.8	503.3	513.0	489.7	433.7
90°	564.6	545.1	525.6	521.2	525.6	525.6	522.1	513.2	522.9	496.4	433.4
92.5°	549.9	531.3	512.2	506.9	510.6	511.5	509.8	503.3	513.0	489.7	433.7
95°	534.2	516.5	498.4	492.7	495.7	497.5	497.6	493.4	503.1	483.1	434.0
97.5°	518.3	501.4	484.5	478.4	480.9	483.5	485.2	484.1	492.4	474.6	434.3
100°	502.0	485.9	470.2	464.1	466.2	469.8	473.1	474.6	482.1	467.1	431.7
102.5°	485.4	469.9	455.5	449.7	451.7	456.4	461.3	465.3	472.0	459.7	430.5
105°	468.5	453.5	440.3	435.1	437.5	443.5	450.0	456.1	462.1	452.8	429.2
107.5°	451.5	436.7	424.6	420.3	423.6	431.0	439.1	447.0	452.6	446.5	427.6
110°	432.0	417.5	407.5	405.3	410.0	419.0	428.8	438.1	443.6	441.0	426.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	408.1	393.1	383.5	383.3	390.0	400.7	412.2	423.2	429.9	431.8	420.7
115°	382.7	368.8	361.2	361.3	367.8	378.1	388.5	398.2	402.9	403.7	390.6
117.5°	355.7	343.6	338.4	339.8	346.1	355.2	364.6	373.0	375.7	375.4	360.7
120°	327.9	317.7	315.1	317.7	323.9	332.1	340.3	347.5	348.2	346.9	331.1
122.5°	301.3	293.3	291.5	295.2	301.4	308.6	315.6	320.8	320.4	318.1	301.7
125°	273.7	269.3	269.2	272.5	278.3	284.8	290.5	293.4	292.0	289.1	272.7
127.5°	247.0	244.6	246.1	249.8	254.9	260.6	265.0	265.6	263.3	259.2	244.1
130°	225.8	220.8	222.4	226.4	231.0	235.6	239.0	237.3	234.2	228.4	216.0
132.5°	214.5	211.1	209.0	208.4	208.8	209.9	211.4	208.6	204.8	198.3	188.4
135°	205.0	201.8	200.9	200.6	200.7	199.6	195.6	189.3	182.4	173.7	164.6
137.5°	194.9	193.4	192.6	192.6	191.9	190.6	184.5	178.0	170.9	161.9	153.4
140°	185.7	184.6	184.4	184.1	182.7	179.1	173.1	166.2	158.7	149.8	142.0
142.5°	176.6	176.1	175.9	174.7	173.5	167.3	161.0	154.0	146.2	137.7	130.3
145°	167.6	167.4	166.4	165.0	160.6	155.0	148.3	141.8	133.4	125.6	118.4
147.5°	158.6	157.7	156.4	153.0	147.7	141.7	135.1	128.0	120.5	113.3	106.2
150°	148.5	147.3	144.4	139.5	134.1	127.8	121.3	114.4	107.8	100.7	93.9
152.5°	137.7	134.5	130.0	125.2	119.3	113.2	107.1	100.7	94.2	87.7	81.5
155°	125.0	120.5	115.5	109.5	103.8	98.3	92.6	86.7	80.7	74.5	69.0
157.5°	111.8	107.4	102.5	97.3	92.0	86.4	80.6	74.7	68.5	62.5	57.1
160°	98.3	94.4	90.3	85.9	81.2	76.4	71.3	66.1	60.8	55.9	50.9
162.5°	86.0	82.1	78.5	74.7	70.8	66.6	62.3	57.8	53.4	49.1	44.6
165°	73.0	70.2	67.6	63.9	60.5	57.0	53.4	49.7	45.9	42.1	38.3
167.5°	60.9	58.5	55.9	53.3	50.5	47.6	44.6	41.4	38.3	35.0	32.2
170°	48.9	47.0	45.1	42.7	40.4	38.0	35.5	33.0	30.4	28.2	26.1
172.5°	36.7	35.1	33.5	31.8	30.0	28.2	26.3	24.7	23.1	21.5	19.9
175°	23.9	22.8	21.7	20.8	19.9	18.9	17.9	16.9	15.8	14.7	13.6
177.5°	12.3	11.8	11.4	11.0	10.5	10.0	9.5	9.0	8.4	7.9	7.3
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.7	6.1	5.5	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
5°	12.5	11.3	10.2	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3
7.5°	18.2	16.5	14.8	13.0	12.9	12.7	12.6	12.4	12.2	11.9	11.7
10°	23.9	21.6	19.3	17.0	16.8	16.6	16.3	16.0	15.7	15.4	15.1
12.5°	29.5	26.7	23.9	21.1	20.7	20.4	20.0	19.5	19.2	18.9	18.5
15°	35.0	31.7	28.4	25.1	24.6	24.1	23.6	23.0	22.7	22.3	21.9
17.5°	40.4	36.7	33.0	29.1	28.5	27.8	27.1	26.6	26.2	25.7	25.2
20°	45.9	41.7	37.4	33.2	32.3	31.5	30.6	30.2	29.7	29.1	28.5
22.5°	51.5	46.6	41.9	37.2	36.2	35.1	34.2	33.7	33.1	32.5	31.8
25°	63.5	58.3	53.7	49.0	48.0	46.8	45.8	44.9	43.6	41.9	40.1
27.5°	75.7	70.1	65.6	60.8	60.0	58.9	58.2	57.3	55.7	53.7	51.3
30°	87.8	81.7	77.3	72.7	72.0	71.1	70.6	69.9	67.7	65.3	62.0
32.5°	99.8	93.4	88.9	84.5	84.0	83.4	83.1	82.1	79.5	76.3	72.1
35°	111.5	105.1	100.5	96.3	96.1	95.8	95.7	94.2	91.2	86.7	81.7
37.5°	123.1	116.7	112.0	108.1	108.2	108.3	108.4	106.1	102.8	96.7	90.4
40°	134.6	128.1	123.4	120.0	120.4	120.8	121.2	118.0	113.2	106.3	98.5
42.5°	145.9	139.4	134.7	131.8	132.5	133.3	134.1	129.8	123.5	115.8	106.0
45°	157.3	150.7	146.0	143.6	144.7	145.9	146.1	141.5	133.5	123.8	113.0
47.5°	178.3	168.2	159.7	153.8	152.4	151.5	149.7	144.8	136.5	127.0	116.8
50°	201.2	186.6	173.7	164.1	159.8	156.4	152.2	145.8	136.9	127.2	117.7
52.5°	225.1	205.5	188.0	174.3	167.0	161.0	154.5	146.6	137.4	127.8	119.3
55°	249.7	224.9	202.5	184.6	174.0	165.2	156.6	147.5	138.0	128.9	121.6
57.5°	275.0	244.7	217.2	194.8	180.9	169.2	158.5	148.5	138.9	130.4	124.5
60°	300.9	264.8	232.0	205.1	187.6	172.9	160.4	149.5	140.2	132.8	128.2
62.5°	327.3	285.3	247.1	215.3	194.1	176.4	162.1	150.6	141.7	135.7	132.7
65°	354.2	306.0	262.2	225.6	200.6	179.7	163.7	151.8	143.5	138.9	137.9
67.5°	381.4	326.9	277.4	235.8	207.0	182.8	165.2	153.1	145.5	142.5	143.5
70°	384.1	327.9	277.0	234.7	205.5	181.4	164.1	152.2	145.2	143.1	145.4
72.5°	384.7	327.9	276.4	233.6	204.0	180.0	162.9	151.2	144.3	142.4	144.8
75°	384.9	327.8	277.2	232.5	202.5	178.6	161.9	150.2	143.5	141.6	144.0
77.5°	384.7	327.4	275.9	231.4	201.1	177.4	160.9	149.3	142.8	140.8	143.1
80°	384.2	328.5	274.6	230.4	199.8	176.3	160.1	148.5	142.1	139.9	142.1
82.5°	384.8	327.1	273.3	229.3	198.5	175.3	159.4	147.8	141.5	139.1	141.0
85°	382.7	325.6	272.1	228.2	197.3	174.4	158.8	147.2	140.9	138.2	139.8
87.5°	380.6	324.1	270.8	227.1	196.1	173.5	158.2	146.7	140.4	137.3	138.6
90°	378.5	322.6	269.5	226.0	195.0	172.8	157.8	146.2	140.0	136.5	137.4
92.5°	380.6	324.1	270.8	227.1	196.1	173.5	158.2	146.7	140.4	137.3	138.6
95°	382.7	325.6	272.1	228.2	197.3	174.4	158.8	147.2	140.9	138.2	139.8
97.5°	384.8	327.1	273.3	229.3	198.5	175.3	159.4	147.8	141.5	139.1	141.0
100°	384.2	328.5	274.6	230.4	199.8	176.3	160.1	148.5	142.1	139.9	142.1
102.5°	384.7	327.4	275.9	231.4	201.1	177.4	160.9	149.3	142.8	140.8	143.1
105°	384.9	327.8	277.2	232.5	202.5	178.6	161.9	150.2	143.5	141.6	144.0
107.5°	384.7	327.9	276.4	233.6	204.0	180.0	162.9	151.2	144.3	142.4	144.8
110°	384.1	327.9	277.0	234.7	205.5	181.4	164.1	152.2	145.2	143.1	145.4



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	381.4	326.9	277.4	235.8	207.0	182.8	165.2	153.1	145.5	142.5	143.5
115°	354.2	306.0	262.2	225.6	200.6	179.7	163.7	151.8	143.5	138.9	137.9
117.5°	327.3	285.3	247.1	215.3	194.1	176.4	162.1	150.6	141.7	135.7	132.7
120°	300.9	264.8	232.0	205.1	187.6	172.9	160.4	149.5	140.2	132.8	128.2
122.5°	275.0	244.7	217.2	194.8	180.9	169.2	158.5	148.5	138.9	130.4	124.5
125°	249.7	224.9	202.5	184.6	174.0	165.2	156.6	147.5	138.0	128.9	121.6
127.5°	225.1	205.5	188.0	174.3	167.0	161.0	154.5	146.6	137.4	127.8	119.3
130°	201.2	186.6	173.7	164.1	159.8	156.4	152.2	145.8	136.9	127.2	117.7
132.5°	178.3	168.2	159.7	153.8	152.4	151.5	149.7	144.8	136.5	127.0	116.8
135°	157.3	150.7	146.0	143.6	144.7	145.9	146.1	141.5	133.5	123.8	113.0
137.5°	145.9	139.4	134.7	131.8	132.5	133.3	134.1	129.8	123.5	115.8	106.0
140°	134.6	128.1	123.4	120.0	120.4	120.8	121.2	118.0	113.2	106.3	98.5
142.5°	123.1	116.7	112.0	108.1	108.2	108.3	108.4	106.1	102.8	96.7	90.4
145°	111.5	105.1	100.5	96.3	96.1	95.8	95.7	94.2	91.2	86.7	81.7
147.5°	99.8	93.4	88.9	84.5	84.0	83.4	83.1	82.1	79.5	76.3	72.1
150°	87.8	81.7	77.3	72.7	72.0	71.1	70.6	69.9	67.7	65.3	62.0
152.5°	75.7	70.1	65.6	60.8	60.0	58.9	58.2	57.3	55.7	53.7	51.3
155°	63.5	58.3	53.7	49.0	48.0	46.8	45.8	44.9	43.6	41.9	40.1
157.5°	51.5	46.6	41.9	37.2	36.2	35.1	34.2	33.7	33.1	32.5	31.8
160°	45.9	41.7	37.4	33.2	32.3	31.5	30.6	30.2	29.7	29.1	28.5
162.5°	40.4	36.7	33.0	29.1	28.5	27.8	27.1	26.6	26.2	25.7	25.2
165°	35.0	31.7	28.4	25.1	24.6	24.1	23.6	23.0	22.7	22.3	21.9
167.5°	29.5	26.7	23.9	21.1	20.7	20.4	20.0	19.5	19.2	18.9	18.5
170°	23.9	21.6	19.3	17.0	16.8	16.6	16.3	16.0	15.7	15.4	15.1
172.5°	18.2	16.5	14.8	13.0	12.9	12.7	12.6	12.4	12.2	11.9	11.7
175°	12.5	11.3	10.2	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3
177.5°	6.7	6.1	5.5	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6
5°	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.1
7.5°	11.5	11.2	11.0	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.6
10°	14.9	14.6	14.3	13.9	13.6	13.2	12.8	12.4	11.9	11.5	11.0
12.5°	18.2	17.8	17.4	17.0	16.5	16.1	15.6	15.0	14.5	13.9	13.3
15°	21.5	21.0	20.5	20.0	19.4	18.9	18.2	17.6	17.0	16.3	15.6
17.5°	24.7	24.2	23.6	22.9	22.3	21.6	20.9	20.1	19.4	18.6	17.8
20°	27.9	27.3	26.5	25.8	25.0	24.3	23.4	22.6	21.7	20.8	19.9
22.5°	31.1	30.3	29.5	28.6	27.8	26.9	25.9	25.0	24.0	22.9	21.9
25°	38.0	35.8	33.6	31.4	30.4	29.4	28.4	27.3	26.2	25.0	23.9
27.5°	48.6	45.8	42.8	39.9	37.1	34.4	31.9	29.5	28.3	27.1	25.9
30°	58.5	54.8	51.0	47.5	44.1	40.8	37.8	35.0	32.4	29.9	27.8
32.5°	67.6	62.9	58.4	54.1	50.1	46.3	42.9	39.8	36.8	34.0	31.3
35°	75.9	70.3	65.0	59.9	55.3	51.1	47.4	43.9	40.6	37.4	34.5
37.5°	83.5	77.0	70.7	65.1	59.9	55.4	51.3	47.4	43.7	40.3	37.4
40°	90.5	82.9	76.0	69.6	64.2	59.2	54.6	50.3	46.4	43.0	40.2
42.5°	96.9	88.2	80.7	73.9	68.0	62.6	57.5	52.9	49.0	45.6	42.2
45°	102.8	93.4	84.8	77.8	71.4	65.4	60.1	55.3	51.4	47.5	43.8
47.5°	107.0	97.8	89.0	81.4	74.5	68.1	62.3	57.7	53.3	49.0	45.2
50°	108.7	100.8	93.5	86.2	78.5	70.7	64.7	59.7	54.9	50.3	46.0
52.5°	111.7	104.9	99.0	92.5	85.2	77.6	70.3	63.1	56.1	51.1	46.4
55°	115.6	110.4	105.6	99.7	92.5	84.7	76.9	69.2	61.5	54.0	47.0
57.5°	120.3	116.8	112.8	107.3	100.1	91.7	83.3	75.0	66.7	58.4	51.2
60°	125.7	123.9	120.7	115.2	107.6	98.5	89.6	80.5	71.3	62.7	55.1
62.5°	132.0	131.8	129.2	123.5	114.9	105.3	95.7	85.8	75.5	66.8	58.6
65°	139.0	140.0	138.3	132.0	122.2	112.0	101.5	90.6	79.9	70.7	61.8
67.5°	146.5	148.5	146.9	140.4	129.5	118.7	107.4	95.2	84.3	74.4	65.1
70°	150.0	153.7	153.5	147.7	136.8	125.2	113.1	99.6	88.7	78.0	68.3
72.5°	149.4	153.2	153.0	147.6	138.6	128.3	116.4	103.6	92.8	81.5	71.3
75°	148.7	152.7	152.9	148.2	140.2	130.1	117.9	105.1	93.6	82.9	73.0
77.5°	147.9	152.4	153.2	149.4	142.4	132.4	119.8	106.8	94.7	83.7	73.8
80°	147.0	152.1	153.7	151.2	145.1	135.0	122.1	108.5	96.1	84.9	74.9
82.5°	146.1	151.8	154.4	153.4	148.1	138.0	124.8	110.5	97.9	86.3	76.4
85°	145.0	151.5	155.2	155.9	151.4	141.3	128.0	112.9	100.0	88.2	78.3
87.5°	143.9	151.2	156.1	158.6	155.0	145.0	131.6	115.6	102.5	90.4	80.6
90°	142.7	150.7	156.9	161.3	158.7	148.9	135.6	118.8	105.5	93.1	83.3
92.5°	143.9	151.2	156.1	158.6	155.0	145.0	131.6	115.6	102.5	90.4	80.6
95°	145.0	151.5	155.2	155.9	151.4	141.3	128.0	112.9	100.0	88.2	78.3
97.5°	146.1	151.8	154.4	153.4	148.1	138.0	124.8	110.5	97.9	86.3	76.4
100°	147.0	152.1	153.7	151.2	145.1	135.0	122.1	108.5	96.1	84.9	74.9
102.5°	147.9	152.4	153.2	149.4	142.4	132.4	119.8	106.8	94.7	83.7	73.8
105°	148.7	152.7	152.9	148.2	140.2	130.1	117.9	105.1	93.6	82.9	73.0
107.5°	149.4	153.2	153.0	147.6	138.6	128.3	116.4	103.6	92.8	81.5	71.3
110°	150.0	153.7	153.5	147.7	136.8	125.2	113.1	99.6	88.7	78.0	68.3



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	146.5	148.5	146.9	140.4	129.5	118.7	107.4	95.2	84.3	74.4	65.1
115°	139.0	140.0	138.3	132.0	122.2	112.0	101.5	90.6	79.9	70.7	61.8
117.5°	132.0	131.8	129.2	123.5	114.9	105.3	95.7	85.8	75.5	66.8	58.6
120°	125.7	123.9	120.7	115.2	107.6	98.5	89.6	80.5	71.3	62.7	55.1
122.5°	120.3	116.8	112.8	107.3	100.1	91.7	83.3	75.0	66.7	58.4	51.2
125°	115.6	110.4	105.6	99.7	92.5	84.7	76.9	69.2	61.5	54.0	47.0
127.5°	111.7	104.9	99.0	92.5	85.2	77.6	70.3	63.1	56.1	51.1	46.4
130°	108.7	100.8	93.5	86.2	78.5	70.7	64.7	59.7	54.9	50.3	46.0
132.5°	107.0	97.8	89.0	81.4	74.5	68.1	62.3	57.7	53.3	49.0	45.2
135°	102.8	93.4	84.8	77.8	71.4	65.4	60.1	55.3	51.4	47.5	43.8
137.5°	96.9	88.2	80.7	73.9	68.0	62.6	57.5	52.9	49.0	45.6	42.2
140°	90.5	82.9	76.0	69.6	64.2	59.2	54.6	50.3	46.4	43.0	40.2
142.5°	83.5	77.0	70.7	65.1	59.9	55.4	51.3	47.4	43.7	40.3	37.4
145°	75.9	70.3	65.0	59.9	55.3	51.1	47.4	43.9	40.6	37.4	34.5
147.5°	67.6	62.9	58.4	54.1	50.1	46.3	42.9	39.8	36.8	34.0	31.3
150°	58.5	54.8	51.0	47.5	44.1	40.8	37.8	35.0	32.4	29.9	27.8
152.5°	48.6	45.8	42.8	39.9	37.1	34.4	31.9	29.5	28.3	27.1	25.9
155°	38.0	35.8	33.6	31.4	30.4	29.4	28.4	27.3	26.2	25.0	23.9
157.5°	31.1	30.3	29.5	28.6	27.8	26.9	25.9	25.0	24.0	22.9	21.9
160°	27.9	27.3	26.5	25.8	25.0	24.3	23.4	22.6	21.7	20.8	19.9
162.5°	24.7	24.2	23.6	22.9	22.3	21.6	20.9	20.1	19.4	18.6	17.8
165°	21.5	21.0	20.5	20.0	19.4	18.9	18.2	17.6	17.0	16.3	15.6
167.5°	18.2	17.8	17.4	17.0	16.5	16.1	15.6	15.0	14.5	13.9	13.3
170°	14.9	14.6	14.3	13.9	13.6	13.2	12.8	12.4	11.9	11.5	11.0
172.5°	11.5	11.2	11.0	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.6
175°	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.1
177.5°	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	3.5	3.4	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.0
5°	5.9	5.7	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1
7.5°	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.0	4.6	4.1
10°	10.5	10.1	9.5	9.0	8.5	8.0	7.4	6.8	6.3	5.7	5.1
12.5°	12.7	12.1	11.5	10.9	10.2	9.5	8.9	8.2	7.5	6.8	6.0
15°	14.9	14.1	13.4	12.6	11.8	11.1	10.2	9.4	8.6	7.8	6.9
17.5°	16.9	16.1	15.2	14.3	13.4	12.5	11.6	10.7	9.7	8.7	7.8
20°	18.9	17.9	17.0	16.0	14.9	13.9	12.9	11.8	10.8	9.7	8.6
22.5°	20.8	19.8	18.7	17.6	16.4	15.3	14.2	13.0	11.8	10.6	9.4
25°	22.7	21.6	20.4	19.1	17.9	16.6	15.4	14.1	12.8	11.5	10.2
27.5°	24.6	23.3	22.0	20.6	19.3	17.9	16.5	15.1	13.8	12.4	11.1
30°	26.4	25.0	23.5	22.1	20.6	19.3	18.0	16.6	15.1	13.6	12.0
32.5°	28.8	26.6	25.1	23.8	22.5	21.0	19.4	17.7	16.1	14.4	12.9
35°	31.8	29.6	27.6	25.7	24.0	22.2	20.6	19.1	17.4	15.7	13.9
37.5°	34.9	32.5	29.9	27.5	25.6	24.0	22.3	20.4	18.5	16.5	14.6
40°	37.3	34.4	31.9	29.7	27.6	25.5	23.5	21.4	19.4	17.4	15.3
42.5°	39.0	36.2	33.6	31.0	28.6	26.5	24.5	22.5	20.3	18.2	16.0
45°	40.5	37.5	34.4	31.7	29.3	27.1	25.1	23.3	21.0	18.5	16.1
47.5°	41.5	38.0	34.9	32.1	29.6	27.3	25.2	23.1	21.1	18.6	16.1
50°	41.9	38.3	35.1	32.2	29.6	27.1	24.7	22.4	20.4	18.5	16.0
52.5°	42.2	38.4	35.0	32.0	29.2	26.5	23.8	21.7	19.7	18.1	16.3
55°	42.3	38.3	34.7	31.7	28.4	25.5	23.2	21.2	19.4	17.8	16.1
57.5°	44.5	38.3	34.5	30.8	27.5	25.1	22.8	20.8	18.9	17.0	15.2
60°	47.8	41.6	35.5	29.8	27.2	24.7	22.4	20.1	18.1	16.3	14.6
62.5°	51.1	44.3	37.6	32.3	27.6	24.2	21.7	19.6	17.7	16.2	14.6
65°	54.1	46.6	40.0	34.5	29.5	25.1	21.4	19.4	18.0	16.1	14.0
67.5°	56.7	48.9	42.2	36.4	31.3	26.7	22.8	20.1	18.0	15.7	13.3
70°	59.3	51.3	44.3	38.1	33.0	28.2	24.4	21.1	18.0	15.1	12.4
72.5°	61.9	53.6	46.3	40.2	34.6	29.5	25.4	21.2	17.6	14.4	11.8
75°	64.1	55.9	48.2	42.2	35.9	30.7	25.5	20.9	16.9	13.5	11.1
77.5°	64.8	56.6	49.6	43.5	37.2	31.4	25.4	20.4	16.2	12.5	9.5
80°	65.8	57.6	50.5	43.9	37.5	31.3	25.2	20.0	15.4	10.9	7.5
82.5°	67.2	58.8	51.6	44.5	37.8	31.2	25.2	20.0	14.7	9.7	5.7
85°	68.9	60.4	53.0	45.5	38.4	31.6	25.5	20.3	14.6	9.5	5.3
87.5°	71.0	62.3	54.7	46.9	39.4	32.4	26.3	21.0	15.0	9.8	5.5
90°	73.6	64.7	56.7	48.7	40.8	33.7	27.5	22.2	16.0	10.6	6.2
92.5°	71.0	62.3	54.7	46.9	39.4	32.4	26.3	21.0	15.0	9.8	5.5
95°	68.9	60.4	53.0	45.5	38.4	31.6	25.5	20.3	14.6	9.5	5.3
97.5°	67.2	58.8	51.6	44.5	37.8	31.2	25.2	20.0	14.7	9.7	5.7
100°	65.8	57.6	50.5	43.9	37.5	31.3	25.2	20.0	15.4	10.9	7.5
102.5°	64.8	56.6	49.6	43.5	37.2	31.4	25.4	20.4	16.2	12.5	9.5
105°	64.1	55.9	48.2	42.2	35.9	30.7	25.5	20.9	16.9	13.5	11.1
107.5°	61.9	53.6	46.3	40.2	34.6	29.5	25.4	21.2	17.6	14.4	11.8
110°	59.3	51.3	44.3	38.1	33.0	28.2	24.4	21.1	18.0	15.1	12.4



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	56.7	48.9	42.2	36.4	31.3	26.7	22.8	20.1	18.0	15.7	13.3
115°	54.1	46.6	40.0	34.5	29.5	25.1	21.4	19.4	18.0	16.1	14.0
117.5°	51.1	44.3	37.6	32.3	27.6	24.2	21.7	19.6	17.7	16.2	14.6
120°	47.8	41.6	35.5	29.8	27.2	24.7	22.4	20.1	18.1	16.3	14.6
122.5°	44.5	38.3	34.5	30.8	27.5	25.1	22.8	20.8	18.9	17.0	15.2
125°	42.3	38.3	34.7	31.7	28.4	25.5	23.2	21.2	19.4	17.8	16.1
127.5°	42.2	38.4	35.0	32.0	29.2	26.5	23.8	21.7	19.7	18.1	16.3
130°	41.9	38.3	35.1	32.2	29.6	27.1	24.7	22.4	20.4	18.5	16.0
132.5°	41.5	38.0	34.9	32.1	29.6	27.3	25.2	23.1	21.1	18.6	16.1
135°	40.5	37.5	34.4	31.7	29.3	27.1	25.1	23.3	21.0	18.5	16.1
137.5°	39.0	36.2	33.6	31.0	28.6	26.5	24.5	22.5	20.3	18.2	16.0
140°	37.3	34.4	31.9	29.7	27.6	25.5	23.5	21.4	19.4	17.4	15.3
142.5°	34.9	32.5	29.9	27.5	25.6	24.0	22.3	20.4	18.5	16.5	14.6
145°	31.8	29.6	27.6	25.7	24.0	22.2	20.6	19.1	17.4	15.7	13.9
147.5°	28.8	26.6	25.1	23.8	22.5	21.0	19.4	17.7	16.1	14.4	12.9
150°	26.4	25.0	23.5	22.1	20.6	19.3	18.0	16.6	15.1	13.6	12.0
152.5°	24.6	23.3	22.0	20.6	19.3	17.9	16.5	15.1	13.8	12.4	11.1
155°	22.7	21.6	20.4	19.1	17.9	16.6	15.4	14.1	12.8	11.5	10.2
157.5°	20.8	19.8	18.7	17.6	16.4	15.3	14.2	13.0	11.8	10.6	9.4
160°	18.9	17.9	17.0	16.0	14.9	13.9	12.9	11.8	10.8	9.7	8.6
162.5°	16.9	16.1	15.2	14.3	13.4	12.5	11.6	10.7	9.7	8.7	7.8
165°	14.9	14.1	13.4	12.6	11.8	11.1	10.2	9.4	8.6	7.8	6.9
167.5°	12.7	12.1	11.5	10.9	10.2	9.5	8.9	8.2	7.5	6.8	6.0
170°	10.5	10.1	9.5	9.0	8.5	8.0	7.4	6.8	6.3	5.7	5.1
172.5°	8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.0	4.6	4.1
175°	5.9	5.7	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1
177.5°	3.5	3.4	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	1.1	1.2	1.4	1.6
5°	2.8	2.5	2.2	1.9	1.5	1.2	0.9	1.2	1.5	1.9	2.2
7.5°	3.7	3.2	2.8	2.3	1.8	1.4	0.9	1.4	1.8	2.3	2.8
10°	4.5	3.9	3.3	2.7	2.1	1.5	0.9	1.5	2.1	2.7	3.3
12.5°	5.3	4.6	3.9	3.1	2.4	1.6	0.9	1.6	2.4	3.1	3.9
15°	6.1	5.2	4.4	3.5	2.6	1.8	0.9	1.8	2.6	3.5	4.4
17.5°	6.8	5.8	4.9	3.9	2.9	1.9	0.9	1.9	2.9	3.9	4.9
20°	7.5	6.4	5.3	4.2	3.1	2.0	0.9	2.0	3.1	4.2	5.3
22.5°	8.2	7.0	5.8	4.6	3.3	2.1	0.9	2.1	3.3	4.6	5.8
25°	8.9	7.5	6.2	4.9	3.6	2.2	0.9	2.2	3.6	4.9	6.2
27.5°	9.7	8.2	6.8	5.3	3.9	2.4	0.9	2.4	3.9	5.3	6.8
30°	10.4	8.8	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7	7.3
32.5°	11.2	9.6	7.9	6.1	4.4	2.7	0.9	2.7	4.4	6.1	7.9
35°	12.0	10.2	8.3	6.5	4.6	2.8	0.9	2.8	4.6	6.5	8.3
37.5°	12.6	10.7	8.7	6.8	4.8	2.9	0.9	2.9	4.8	6.8	8.7
40°	13.3	11.2	9.1	7.1	5.0	3.0	0.9	3.0	5.0	7.1	9.1
42.5°	13.7	11.5	9.3	7.2	5.1	3.0	0.9	3.0	5.1	7.2	9.3
45°	13.8	11.5	9.3	7.2	5.1	3.0	0.9	3.0	5.1	7.2	9.3
47.5°	13.7	11.4	9.2	7.1	5.0	2.9	0.9	2.9	5.0	7.1	9.2
50°	13.6	11.5	9.4	7.2	5.1	3.0	0.9	3.0	5.1	7.2	9.4
52.5°	14.1	11.7	9.4	7.2	5.0	3.0	0.9	3.0	5.0	7.2	9.4
55°	13.8	11.4	9.1	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.1
57.5°	13.4	11.1	9.0	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.0
60°	13.2	11.3	8.9	6.7	4.7	2.8	0.9	2.8	4.7	6.7	8.9
62.5°	12.6	10.6	8.4	6.5	4.8	3.3	1.8	3.3	4.8	6.5	8.4
65°	11.8	9.8	7.8	6.0	4.5	3.1	1.8	3.1	4.5	6.0	7.8
67.5°	10.9	8.8	6.8	5.2	3.8	2.8	1.8	2.8	3.8	5.2	6.8
70°	10.0	7.9	5.9	4.5	3.5	2.6	1.8	2.6	3.5	4.5	5.9
72.5°	9.6	7.3	5.5	3.7	2.7	2.2	1.8	2.2	2.7	3.7	5.5
75°	8.9	6.5	4.3	3.0	2.5	2.2	1.8	2.2	2.5	3.0	4.3
77.5°	7.2	5.3	3.4	2.2	1.0	0.2	0.0	0.2	1.0	2.2	3.4
80°	5.0	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
82.5°	3.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.0	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
102.5°	7.2	5.3	3.4	2.2	1.0	0.2	0.0	0.2	1.0	2.2	3.4
105°	8.9	6.5	4.3	3.0	2.5	2.2	1.8	2.2	2.5	3.0	4.3
107.5°	9.6	7.3	5.5	3.7	2.7	2.2	1.8	2.2	2.7	3.7	5.5
110°	10.0	7.9	5.9	4.5	3.5	2.6	1.8	2.6	3.5	4.5	5.9



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	10.9	8.8	6.8	5.2	3.8	2.8	1.8	2.8	3.8	5.2	6.8
115°	11.8	9.8	7.8	6.0	4.5	3.1	1.8	3.1	4.5	6.0	7.8
117.5°	12.6	10.6	8.4	6.5	4.8	3.3	1.8	3.3	4.8	6.5	8.4
120°	13.2	11.3	8.9	6.7	4.7	2.8	0.9	2.8	4.7	6.7	8.9
122.5°	13.4	11.1	9.0	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.0
125°	13.8	11.4	9.1	7.0	4.9	2.9	0.9	2.9	4.9	7.0	9.1
127.5°	14.1	11.7	9.4	7.2	5.0	3.0	0.9	3.0	5.0	7.2	9.4
130°	13.6	11.5	9.4	7.2	5.1	3.0	0.9	3.0	5.1	7.2	9.4
132.5°	13.7	11.4	9.2	7.1	5.0	2.9	0.9	2.9	5.0	7.1	9.2
135°	13.8	11.5	9.3	7.2	5.1	3.0	0.9	3.0	5.1	7.2	9.3
137.5°	13.7	11.5	9.3	7.2	5.1	3.0	0.9	3.0	5.1	7.2	9.3
140°	13.3	11.2	9.1	7.1	5.0	3.0	0.9	3.0	5.0	7.1	9.1
142.5°	12.6	10.7	8.7	6.8	4.8	2.9	0.9	2.9	4.8	6.8	8.7
145°	12.0	10.2	8.3	6.5	4.6	2.8	0.9	2.8	4.6	6.5	8.3
147.5°	11.2	9.6	7.9	6.1	4.4	2.7	0.9	2.7	4.4	6.1	7.9
150°	10.4	8.8	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7	7.3
152.5°	9.7	8.2	6.8	5.3	3.9	2.4	0.9	2.4	3.9	5.3	6.8
155°	8.9	7.5	6.2	4.9	3.6	2.2	0.9	2.2	3.6	4.9	6.2
157.5°	8.2	7.0	5.8	4.6	3.3	2.1	0.9	2.1	3.3	4.6	5.8
160°	7.5	6.4	5.3	4.2	3.1	2.0	0.9	2.0	3.1	4.2	5.3
162.5°	6.8	5.8	4.9	3.9	2.9	1.9	0.9	1.9	2.9	3.9	4.9
165°	6.1	5.2	4.4	3.5	2.6	1.8	0.9	1.8	2.6	3.5	4.4
167.5°	5.3	4.6	3.9	3.1	2.4	1.6	0.9	1.6	2.4	3.1	3.9
170°	4.5	3.9	3.3	2.7	2.1	1.5	0.9	1.5	2.1	2.7	3.3
172.5°	3.7	3.2	2.8	2.3	1.8	1.4	0.9	1.4	1.8	2.3	2.8
175°	2.8	2.5	2.2	1.9	1.5	1.2	0.9	1.2	1.5	1.9	2.2
177.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	1.1	1.2	1.4	1.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2
5°	2.5	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.1	5.4
7.5°	3.2	3.7	4.1	4.6	5.0	5.5	5.9	6.3	6.7	7.1	7.5
10°	3.9	4.5	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.0	9.5
12.5°	4.6	5.3	6.0	6.8	7.5	8.2	8.9	9.5	10.2	10.9	11.5
15°	5.2	6.1	6.9	7.8	8.6	9.4	10.2	11.1	11.8	12.6	13.4
17.5°	5.8	6.8	7.8	8.7	9.7	10.7	11.6	12.5	13.4	14.3	15.2
20°	6.4	7.5	8.6	9.7	10.8	11.8	12.9	13.9	14.9	16.0	17.0
22.5°	7.0	8.2	9.4	10.6	11.8	13.0	14.2	15.3	16.4	17.6	18.7
25°	7.5	8.9	10.2	11.5	12.8	14.1	15.4	16.6	17.9	19.1	20.4
27.5°	8.2	9.7	11.1	12.4	13.8	15.1	16.5	17.9	19.3	20.6	22.0
30°	8.8	10.4	12.0	13.6	15.1	16.6	18.0	19.3	20.6	22.1	23.5
32.5°	9.6	11.2	12.9	14.4	16.1	17.7	19.4	21.0	22.5	23.8	25.1
35°	10.2	12.0	13.9	15.7	17.4	19.1	20.6	22.2	24.0	25.7	27.6
37.5°	10.7	12.6	14.6	16.5	18.5	20.4	22.3	24.0	25.6	27.5	29.9
40°	11.2	13.3	15.3	17.4	19.4	21.4	23.5	25.5	27.6	29.7	31.9
42.5°	11.5	13.7	16.0	18.2	20.3	22.5	24.5	26.5	28.6	31.0	33.6
45°	11.5	13.8	16.1	18.5	21.0	23.3	25.1	27.1	29.3	31.7	34.4
47.5°	11.4	13.7	16.1	18.6	21.1	23.1	25.2	27.3	29.6	32.1	34.9
50°	11.5	13.6	16.0	18.5	20.4	22.4	24.7	27.1	29.6	32.2	35.1
52.5°	11.7	14.1	16.3	18.1	19.7	21.7	23.8	26.5	29.2	32.0	35.0
55°	11.4	13.8	16.1	17.8	19.4	21.2	23.2	25.5	28.4	31.7	34.7
57.5°	11.1	13.4	15.2	17.0	18.9	20.8	22.8	25.1	27.5	30.8	34.5
60°	11.3	13.2	14.6	16.3	18.1	20.1	22.4	24.7	27.2	29.8	35.5
62.5°	10.6	12.6	14.6	16.2	17.7	19.6	21.7	24.2	27.6	32.3	37.6
65°	9.8	11.8	14.0	16.1	18.0	19.4	21.4	25.1	29.5	34.5	40.0
67.5°	8.8	10.9	13.3	15.7	18.0	20.1	22.8	26.7	31.3	36.4	42.2
70°	7.9	10.0	12.4	15.1	18.0	21.1	24.4	28.2	33.0	38.1	44.3
72.5°	7.3	9.6	11.8	14.4	17.6	21.2	25.4	29.5	34.6	40.2	46.3
75°	6.5	8.9	11.1	13.5	16.9	20.9	25.5	30.7	35.9	42.2	48.2
77.5°	5.3	7.2	9.5	12.5	16.2	20.4	25.4	31.4	37.2	43.5	49.6
80°	3.4	5.0	7.5	10.9	15.4	20.0	25.2	31.3	37.5	43.9	50.5
82.5°	1.8	3.3	5.7	9.7	14.7	20.0	25.2	31.2	37.8	44.5	51.6
85°	0.7	2.5	5.3	9.5	14.6	20.3	25.5	31.6	38.4	45.5	53.0
87.5°	0.2	2.1	5.5	9.8	15.0	21.0	26.3	32.4	39.4	46.9	54.7
90°	0.0	1.8	6.2	10.6	16.0	22.2	27.5	33.7	40.8	48.7	56.7
92.5°	0.2	2.1	5.5	9.8	15.0	21.0	26.3	32.4	39.4	46.9	54.7
95°	0.7	2.5	5.3	9.5	14.6	20.3	25.5	31.6	38.4	45.5	53.0
97.5°	1.8	3.3	5.7	9.7	14.7	20.0	25.2	31.2	37.8	44.5	51.6
100°	3.4	5.0	7.5	10.9	15.4	20.0	25.2	31.3	37.5	43.9	50.5
102.5°	5.3	7.2	9.5	12.5	16.2	20.4	25.4	31.4	37.2	43.5	49.6
105°	6.5	8.9	11.1	13.5	16.9	20.9	25.5	30.7	35.9	42.2	48.2
107.5°	7.3	9.6	11.8	14.4	17.6	21.2	25.4	29.5	34.6	40.2	46.3
110°	7.9	10.0	12.4	15.1	18.0	21.1	24.4	28.2	33.0	38.1	44.3



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	8.8	10.9	13.3	15.7	18.0	20.1	22.8	26.7	31.3	36.4	42.2
115°	9.8	11.8	14.0	16.1	18.0	19.4	21.4	25.1	29.5	34.5	40.0
117.5°	10.6	12.6	14.6	16.2	17.7	19.6	21.7	24.2	27.6	32.3	37.6
120°	11.3	13.2	14.6	16.3	18.1	20.1	22.4	24.7	27.2	29.8	35.5
122.5°	11.1	13.4	15.2	17.0	18.9	20.8	22.8	25.1	27.5	30.8	34.5
125°	11.4	13.8	16.1	17.8	19.4	21.2	23.2	25.5	28.4	31.7	34.7
127.5°	11.7	14.1	16.3	18.1	19.7	21.7	23.8	26.5	29.2	32.0	35.0
130°	11.5	13.6	16.0	18.5	20.4	22.4	24.7	27.1	29.6	32.2	35.1
132.5°	11.4	13.7	16.1	18.6	21.1	23.1	25.2	27.3	29.6	32.1	34.9
135°	11.5	13.8	16.1	18.5	21.0	23.3	25.1	27.1	29.3	31.7	34.4
137.5°	11.5	13.7	16.0	18.2	20.3	22.5	24.5	26.5	28.6	31.0	33.6
140°	11.2	13.3	15.3	17.4	19.4	21.4	23.5	25.5	27.6	29.7	31.9
142.5°	10.7	12.6	14.6	16.5	18.5	20.4	22.3	24.0	25.6	27.5	29.9
145°	10.2	12.0	13.9	15.7	17.4	19.1	20.6	22.2	24.0	25.7	27.6
147.5°	9.6	11.2	12.9	14.4	16.1	17.7	19.4	21.0	22.5	23.8	25.1
150°	8.8	10.4	12.0	13.6	15.1	16.6	18.0	19.3	20.6	22.1	23.5
152.5°	8.2	9.7	11.1	12.4	13.8	15.1	16.5	17.9	19.3	20.6	22.0
155°	7.5	8.9	10.2	11.5	12.8	14.1	15.4	16.6	17.9	19.1	20.4
157.5°	7.0	8.2	9.4	10.6	11.8	13.0	14.2	15.3	16.4	17.6	18.7
160°	6.4	7.5	8.6	9.7	10.8	11.8	12.9	13.9	14.9	16.0	17.0
162.5°	5.8	6.8	7.8	8.7	9.7	10.7	11.6	12.5	13.4	14.3	15.2
165°	5.2	6.1	6.9	7.8	8.6	9.4	10.2	11.1	11.8	12.6	13.4
167.5°	4.6	5.3	6.0	6.8	7.5	8.2	8.9	9.5	10.2	10.9	11.5
170°	3.9	4.5	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.0	9.5
172.5°	3.2	3.7	4.1	4.6	5.0	5.5	5.9	6.3	6.7	7.1	7.5
175°	2.5	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.1	5.4
177.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.4	4.4
5°	5.7	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
7.5°	7.9	8.3	8.6	9.0	9.3	9.6	9.9	10.2	10.5	10.8	11.0
10°	10.1	10.5	11.0	11.5	11.9	12.4	12.8	13.2	13.6	13.9	14.3
12.5°	12.1	12.7	13.3	13.9	14.5	15.0	15.6	16.1	16.5	17.0	17.4
15°	14.1	14.9	15.6	16.3	17.0	17.6	18.2	18.9	19.4	20.0	20.5
17.5°	16.1	16.9	17.8	18.6	19.4	20.1	20.9	21.6	22.3	22.9	23.6
20°	17.9	18.9	19.9	20.8	21.7	22.6	23.4	24.3	25.0	25.8	26.5
22.5°	19.8	20.8	21.9	22.9	24.0	25.0	25.9	26.9	27.8	28.6	29.5
25°	21.6	22.7	23.9	25.0	26.2	27.3	28.4	29.4	30.4	31.4	33.6
27.5°	23.3	24.6	25.9	27.1	28.3	29.5	31.9	34.4	37.1	39.9	42.8
30°	25.0	26.4	27.8	29.9	32.4	35.0	37.8	40.8	44.1	47.5	51.0
32.5°	26.6	28.8	31.3	34.0	36.8	39.8	42.9	46.3	50.1	54.1	58.4
35°	29.6	31.8	34.5	37.4	40.6	43.9	47.4	51.1	55.3	59.9	65.0
37.5°	32.5	34.9	37.4	40.3	43.7	47.4	51.3	55.4	59.9	65.1	70.7
40°	34.4	37.3	40.2	43.0	46.4	50.3	54.6	59.2	64.2	69.6	76.0
42.5°	36.2	39.0	42.2	45.6	49.0	52.9	57.5	62.6	68.0	73.9	80.7
45°	37.5	40.5	43.8	47.5	51.4	55.3	60.1	65.4	71.4	77.8	84.8
47.5°	38.0	41.5	45.2	49.0	53.3	57.7	62.3	68.1	74.5	81.4	89.0
50°	38.3	41.9	46.0	50.3	54.9	59.7	64.7	70.7	78.5	86.2	93.5
52.5°	38.4	42.2	46.4	51.1	56.1	63.1	70.3	77.6	85.2	92.5	99.0
55°	38.3	42.3	47.0	54.0	61.5	69.2	76.9	84.7	92.5	99.7	105.6
57.5°	38.3	44.5	51.2	58.4	66.7	75.0	83.3	91.7	100.1	107.3	112.8
60°	41.6	47.8	55.1	62.7	71.3	80.5	89.6	98.5	107.6	115.2	120.7
62.5°	44.3	51.1	58.6	66.8	75.5	85.8	95.7	105.3	114.9	123.5	129.2
65°	46.6	54.1	61.8	70.7	79.9	90.6	101.5	112.0	122.2	132.0	138.3
67.5°	48.9	56.7	65.1	74.4	84.3	95.2	107.4	118.7	129.5	140.4	146.9
70°	51.3	59.3	68.3	78.0	88.7	99.6	113.1	125.2	136.8	147.7	153.5
72.5°	53.6	61.9	71.3	81.5	92.8	103.6	116.4	128.3	138.6	147.6	153.0
75°	55.9	64.1	73.0	82.9	93.6	105.1	117.9	130.1	140.2	148.2	152.9
77.5°	56.6	64.8	73.8	83.7	94.7	106.8	119.8	132.4	142.4	149.4	153.2
80°	57.6	65.8	74.9	84.9	96.1	108.5	122.1	135.0	145.1	151.2	153.7
82.5°	58.8	67.2	76.4	86.3	97.9	110.5	124.8	138.0	148.1	153.4	154.4
85°	60.4	68.9	78.3	88.2	100.0	112.9	128.0	141.3	151.4	155.9	155.2
87.5°	62.3	71.0	80.6	90.4	102.5	115.6	131.6	145.0	155.0	158.6	156.1
90°	64.7	73.6	83.3	93.1	105.5	118.8	135.6	148.9	158.7	161.3	156.9
92.5°	62.3	71.0	80.6	90.4	102.5	115.6	131.6	145.0	155.0	158.6	156.1
95°	60.4	68.9	78.3	88.2	100.0	112.9	128.0	141.3	151.4	155.9	155.2
97.5°	58.8	67.2	76.4	86.3	97.9	110.5	124.8	138.0	148.1	153.4	154.4
100°	57.6	65.8	74.9	84.9	96.1	108.5	122.1	135.0	145.1	151.2	153.7
102.5°	56.6	64.8	73.8	83.7	94.7	106.8	119.8	132.4	142.4	149.4	153.2
105°	55.9	64.1	73.0	82.9	93.6	105.1	117.9	130.1	140.2	148.2	152.9
107.5°	53.6	61.9	71.3	81.5	92.8	103.6	116.4	128.3	138.6	147.6	153.0
110°	51.3	59.3	68.3	78.0	88.7	99.6	113.1	125.2	136.8	147.7	153.5



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	48.9	56.7	65.1	74.4	84.3	95.2	107.4	118.7	129.5	140.4	146.9
115°	46.6	54.1	61.8	70.7	79.9	90.6	101.5	112.0	122.2	132.0	138.3
117.5°	44.3	51.1	58.6	66.8	75.5	85.8	95.7	105.3	114.9	123.5	129.2
120°	41.6	47.8	55.1	62.7	71.3	80.5	89.6	98.5	107.6	115.2	120.7
122.5°	38.3	44.5	51.2	58.4	66.7	75.0	83.3	91.7	100.1	107.3	112.8
125°	38.3	42.3	47.0	54.0	61.5	69.2	76.9	84.7	92.5	99.7	105.6
127.5°	38.4	42.2	46.4	51.1	56.1	63.1	70.3	77.6	85.2	92.5	99.0
130°	38.3	41.9	46.0	50.3	54.9	59.7	64.7	70.7	78.5	86.2	93.5
132.5°	38.0	41.5	45.2	49.0	53.3	57.7	62.3	68.1	74.5	81.4	89.0
135°	37.5	40.5	43.8	47.5	51.4	55.3	60.1	65.4	71.4	77.8	84.8
137.5°	36.2	39.0	42.2	45.6	49.0	52.9	57.5	62.6	68.0	73.9	80.7
140°	34.4	37.3	40.2	43.0	46.4	50.3	54.6	59.2	64.2	69.6	76.0
142.5°	32.5	34.9	37.4	40.3	43.7	47.4	51.3	55.4	59.9	65.1	70.7
145°	29.6	31.8	34.5	37.4	40.6	43.9	47.4	51.1	55.3	59.9	65.0
147.5°	26.6	28.8	31.3	34.0	36.8	39.8	42.9	46.3	50.1	54.1	58.4
150°	25.0	26.4	27.8	29.9	32.4	35.0	37.8	40.8	44.1	47.5	51.0
152.5°	23.3	24.6	25.9	27.1	28.3	29.5	31.9	34.4	37.1	39.9	42.8
155°	21.6	22.7	23.9	25.0	26.2	27.3	28.4	29.4	30.4	31.4	33.6
157.5°	19.8	20.8	21.9	22.9	24.0	25.0	25.9	26.9	27.8	28.6	29.5
160°	17.9	18.9	19.9	20.8	21.7	22.6	23.4	24.3	25.0	25.8	26.5
162.5°	16.1	16.9	17.8	18.6	19.4	20.1	20.9	21.6	22.3	22.9	23.6
165°	14.1	14.9	15.6	16.3	17.0	17.6	18.2	18.9	19.4	20.0	20.5
167.5°	12.1	12.7	13.3	13.9	14.5	15.0	15.6	16.1	16.5	17.0	17.4
170°	10.1	10.5	11.0	11.5	11.9	12.4	12.8	13.2	13.6	13.9	14.3
172.5°	7.9	8.3	8.6	9.0	9.3	9.6	9.9	10.2	10.5	10.8	11.0
175°	5.7	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
177.5°	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.4	4.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.9	4.9	4.9	5.5
5°	7.9	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	10.2
7.5°	11.2	11.5	11.7	11.9	12.2	12.4	12.6	12.7	12.9	13.0	14.8
10°	14.6	14.9	15.1	15.4	15.7	16.0	16.3	16.6	16.8	17.0	19.3
12.5°	17.8	18.2	18.5	18.9	19.2	19.5	20.0	20.4	20.7	21.1	23.9
15°	21.0	21.5	21.9	22.3	22.7	23.0	23.6	24.1	24.6	25.1	28.4
17.5°	24.2	24.7	25.2	25.7	26.2	26.6	27.1	27.8	28.5	29.1	33.0
20°	27.3	27.9	28.5	29.1	29.7	30.2	30.6	31.5	32.3	33.2	37.4
22.5°	30.3	31.1	31.8	32.5	33.1	33.7	34.2	35.1	36.2	37.2	41.9
25°	35.8	38.0	40.1	41.9	43.6	44.9	45.8	46.8	48.0	49.0	53.7
27.5°	45.8	48.6	51.3	53.7	55.7	57.3	58.2	58.9	60.0	60.8	65.6
30°	54.8	58.5	62.0	65.3	67.7	69.9	70.6	71.1	72.0	72.7	77.3
32.5°	62.9	67.6	72.1	76.3	79.5	82.1	83.1	83.4	84.0	84.5	88.9
35°	70.3	75.9	81.7	86.7	91.2	94.2	95.7	95.8	96.1	96.3	100.5
37.5°	77.0	83.5	90.4	96.7	102.8	106.1	108.4	108.3	108.2	108.1	112.0
40°	82.9	90.5	98.5	106.3	113.2	118.0	121.2	120.8	120.4	120.0	123.4
42.5°	88.2	96.9	106.0	115.8	123.5	129.8	134.1	133.3	132.5	131.8	134.7
45°	93.4	102.8	113.0	123.8	133.5	141.5	146.1	145.9	144.7	143.6	146.0
47.5°	97.8	107.0	116.8	127.0	136.5	144.8	149.7	151.5	152.4	153.8	159.7
50°	100.8	108.7	117.7	127.2	136.9	145.8	152.2	156.4	159.8	164.1	173.7
52.5°	104.9	111.7	119.3	127.8	137.4	146.6	154.5	161.0	167.0	174.3	188.0
55°	110.4	115.6	121.6	128.9	138.0	147.5	156.6	165.2	174.0	184.6	202.5
57.5°	116.8	120.3	124.5	130.4	138.9	148.5	158.5	169.2	180.9	194.8	217.2
60°	123.9	125.7	128.2	132.8	140.2	149.5	160.4	172.9	187.6	205.1	232.0
62.5°	131.8	132.0	132.7	135.7	141.7	150.6	162.1	176.4	194.1	215.3	247.1
65°	140.0	139.0	137.9	138.9	143.5	151.8	163.7	179.7	200.6	225.6	262.2
67.5°	148.5	146.5	143.5	142.5	145.5	153.1	165.2	182.8	207.0	235.8	277.4
70°	153.7	150.0	145.4	143.1	145.2	152.2	164.1	181.4	205.5	234.7	277.0
72.5°	153.2	149.4	144.8	142.4	144.3	151.2	162.9	180.0	204.0	233.6	276.4
75°	152.7	148.7	144.0	141.6	143.5	150.2	161.9	178.6	202.5	232.5	277.2
77.5°	152.4	147.9	143.1	140.8	142.8	149.3	160.9	177.4	201.1	231.4	275.9
80°	152.1	147.0	142.1	139.9	142.1	148.5	160.1	176.3	199.8	230.4	274.6
82.5°	151.8	146.1	141.0	139.1	141.5	147.8	159.4	175.3	198.5	229.3	273.3
85°	151.5	145.0	139.8	138.2	140.9	147.2	158.8	174.4	197.3	228.2	272.1
87.5°	151.2	143.9	138.6	137.3	140.4	146.7	158.2	173.5	196.1	227.1	270.8
90°	150.7	142.7	137.4	136.5	140.0	146.2	157.8	172.8	195.0	226.0	269.5
92.5°	151.2	143.9	138.6	137.3	140.4	146.7	158.2	173.5	196.1	227.1	270.8
95°	151.5	145.0	139.8	138.2	140.9	147.2	158.8	174.4	197.3	228.2	272.1
97.5°	151.8	146.1	141.0	139.1	141.5	147.8	159.4	175.3	198.5	229.3	273.3
100°	152.1	147.0	142.1	139.9	142.1	148.5	160.1	176.3	199.8	230.4	274.6
102.5°	152.4	147.9	143.1	140.8	142.8	149.3	160.9	177.4	201.1	231.4	275.9
105°	152.7	148.7	144.0	141.6	143.5	150.2	161.9	178.6	202.5	232.5	277.2
107.5°	153.2	149.4	144.8	142.4	144.3	151.2	162.9	180.0	204.0	233.6	276.4
110°	153.7	150.0	145.4	143.1	145.2	152.2	164.1	181.4	205.5	234.7	277.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	148.5	146.5	143.5	142.5	145.5	153.1	165.2	182.8	207.0	235.8	277.4
115°	140.0	139.0	137.9	138.9	143.5	151.8	163.7	179.7	200.6	225.6	262.2
117.5°	131.8	132.0	132.7	135.7	141.7	150.6	162.1	176.4	194.1	215.3	247.1
120°	123.9	125.7	128.2	132.8	140.2	149.5	160.4	172.9	187.6	205.1	232.0
122.5°	116.8	120.3	124.5	130.4	138.9	148.5	158.5	169.2	180.9	194.8	217.2
125°	110.4	115.6	121.6	128.9	138.0	147.5	156.6	165.2	174.0	184.6	202.5
127.5°	104.9	111.7	119.3	127.8	137.4	146.6	154.5	161.0	167.0	174.3	188.0
130°	100.8	108.7	117.7	127.2	136.9	145.8	152.2	156.4	159.8	164.1	173.7
132.5°	97.8	107.0	116.8	127.0	136.5	144.8	149.7	151.5	152.4	153.8	159.7
135°	93.4	102.8	113.0	123.8	133.5	141.5	146.1	145.9	144.7	143.6	146.0
137.5°	88.2	96.9	106.0	115.8	123.5	129.8	134.1	133.3	132.5	131.8	134.7
140°	82.9	90.5	98.5	106.3	113.2	118.0	121.2	120.8	120.4	120.0	123.4
142.5°	77.0	83.5	90.4	96.7	102.8	106.1	108.4	108.3	108.2	108.1	112.0
145°	70.3	75.9	81.7	86.7	91.2	94.2	95.7	95.8	96.1	96.3	100.5
147.5°	62.9	67.6	72.1	76.3	79.5	82.1	83.1	83.4	84.0	84.5	88.9
150°	54.8	58.5	62.0	65.3	67.7	69.9	70.6	71.1	72.0	72.7	77.3
152.5°	45.8	48.6	51.3	53.7	55.7	57.3	58.2	58.9	60.0	60.8	65.6
155°	35.8	38.0	40.1	41.9	43.6	44.9	45.8	46.8	48.0	49.0	53.7
157.5°	30.3	31.1	31.8	32.5	33.1	33.7	34.2	35.1	36.2	37.2	41.9
160°	27.3	27.9	28.5	29.1	29.7	30.2	30.6	31.5	32.3	33.2	37.4
162.5°	24.2	24.7	25.2	25.7	26.2	26.6	27.1	27.8	28.5	29.1	33.0
165°	21.0	21.5	21.9	22.3	22.7	23.0	23.6	24.1	24.6	25.1	28.4
167.5°	17.8	18.2	18.5	18.9	19.2	19.5	20.0	20.4	20.7	21.1	23.9
170°	14.6	14.9	15.1	15.4	15.7	16.0	16.3	16.6	16.8	17.0	19.3
172.5°	11.2	11.5	11.7	11.9	12.2	12.4	12.6	12.7	12.9	13.0	14.8
175°	7.9	8.1	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	10.2
177.5°	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.9	4.9	4.9	5.5
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.1	6.7	7.3	7.9	8.4	9.0	9.5	10.0	10.5	11.0	11.4
5°	11.3	12.5	13.6	14.7	15.8	16.9	17.9	18.9	19.9	20.8	21.7
7.5°	16.5	18.2	19.9	21.5	23.1	24.7	26.3	28.2	30.0	31.8	33.5
10°	21.6	23.9	26.1	28.2	30.4	33.0	35.5	38.0	40.4	42.7	45.1
12.5°	26.7	29.5	32.2	35.0	38.3	41.4	44.6	47.6	50.5	53.3	55.9
15°	31.7	35.0	38.3	42.1	45.9	49.7	53.4	57.0	60.5	63.9	67.6
17.5°	36.7	40.4	44.6	49.1	53.4	57.8	62.3	66.6	70.8	74.7	78.5
20°	41.7	45.9	50.9	55.9	60.8	66.1	71.3	76.4	81.2	85.9	90.3
22.5°	46.6	51.5	57.1	62.5	68.5	74.7	80.6	86.4	92.0	97.3	102.5
25°	58.3	63.5	69.0	74.5	80.7	86.7	92.6	98.3	103.8	109.5	115.5
27.5°	70.1	75.7	81.5	87.7	94.2	100.7	107.1	113.2	119.3	125.2	130.0
30°	81.7	87.8	93.9	100.7	107.8	114.4	121.3	127.8	134.1	139.5	144.4
32.5°	93.4	99.8	106.2	113.3	120.5	128.0	135.1	141.7	147.7	153.0	156.4
35°	105.1	111.5	118.4	125.6	133.4	141.8	148.3	155.0	160.6	165.0	166.4
37.5°	116.7	123.1	130.3	137.7	146.2	154.0	161.0	167.3	173.5	174.7	175.9
40°	128.1	134.6	142.0	149.8	158.7	166.2	173.1	179.1	182.7	184.1	184.4
42.5°	139.4	145.9	153.4	161.9	170.9	178.0	184.5	190.6	191.9	192.6	192.6
45°	150.7	157.3	164.6	173.7	182.4	189.3	195.6	199.6	200.7	200.6	200.9
47.5°	168.2	178.3	188.4	198.3	204.8	208.6	211.4	209.9	208.8	208.4	209.0
50°	186.6	201.2	216.0	228.4	234.2	237.3	239.0	235.6	231.0	226.4	222.4
52.5°	205.5	225.1	244.1	259.2	263.3	265.6	265.0	260.6	254.9	249.8	246.1
55°	224.9	249.7	272.7	289.1	292.0	293.4	290.5	284.8	278.3	272.5	269.2
57.5°	244.7	275.0	301.7	318.1	320.4	320.8	315.6	308.6	301.4	295.2	291.5
60°	264.8	300.9	331.1	346.9	348.2	347.5	340.3	332.1	323.9	317.7	315.1
62.5°	285.3	327.3	360.7	375.4	375.7	373.0	364.6	355.2	346.1	339.8	338.4
65°	306.0	354.2	390.6	403.7	402.9	398.2	388.5	378.1	367.8	361.3	361.2
67.5°	326.9	381.4	420.7	431.8	429.9	423.2	412.2	400.7	390.0	383.3	383.5
70°	327.9	384.1	426.0	441.0	443.6	438.1	428.8	419.0	410.0	405.3	407.5
72.5°	327.9	384.7	427.6	446.5	452.6	447.0	439.1	431.0	423.6	420.3	424.6
75°	327.8	384.9	429.2	452.8	462.1	456.1	450.0	443.5	437.5	435.1	440.3
77.5°	327.4	384.7	430.5	459.7	472.0	465.3	461.3	456.4	451.7	449.7	455.5
80°	328.5	384.2	431.7	467.1	482.1	474.6	473.1	469.8	466.2	464.1	470.2
82.5°	327.1	384.8	434.3	474.6	492.4	484.1	485.2	483.5	480.9	478.4	484.5
85°	325.6	382.7	434.0	483.1	503.1	493.4	497.6	497.5	495.7	492.7	498.4
87.5°	324.1	380.6	433.7	489.7	513.0	503.3	509.8	511.5	510.6	506.9	512.2
90°	322.6	378.5	433.4	496.4	522.9	513.2	522.1	525.6	525.6	521.2	525.6
92.5°	324.1	380.6	433.7	489.7	513.0	503.3	509.8	511.5	510.6	506.9	512.2
95°	325.6	382.7	434.0	483.1	503.1	493.4	497.6	497.5	495.7	492.7	498.4
97.5°	327.1	384.8	434.3	474.6	492.4	484.1	485.2	483.5	480.9	478.4	484.5
100°	328.5	384.2	431.7	467.1	482.1	474.6	473.1	469.8	466.2	464.1	470.2
102.5°	327.4	384.7	430.5	459.7	472.0	465.3	461.3	456.4	451.7	449.7	455.5
105°	327.8	384.9	429.2	452.8	462.1	456.1	450.0	443.5	437.5	435.1	440.3
107.5°	327.9	384.7	427.6	446.5	452.6	447.0	439.1	431.0	423.6	420.3	424.6
110°	327.9	384.1	426.0	441.0	443.6	438.1	428.8	419.0	410.0	405.3	407.5



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	326.9	381.4	420.7	431.8	429.9	423.2	412.2	400.7	390.0	383.3	383.5
115°	306.0	354.2	390.6	403.7	402.9	398.2	388.5	378.1	367.8	361.3	361.2
117.5°	285.3	327.3	360.7	375.4	375.7	373.0	364.6	355.2	346.1	339.8	338.4
120°	264.8	300.9	331.1	346.9	348.2	347.5	340.3	332.1	323.9	317.7	315.1
122.5°	244.7	275.0	301.7	318.1	320.4	320.8	315.6	308.6	301.4	295.2	291.5
125°	224.9	249.7	272.7	289.1	292.0	293.4	290.5	284.8	278.3	272.5	269.2
127.5°	205.5	225.1	244.1	259.2	263.3	265.6	265.0	260.6	254.9	249.8	246.1
130°	186.6	201.2	216.0	228.4	234.2	237.3	239.0	235.6	231.0	226.4	222.4
132.5°	168.2	178.3	188.4	198.3	204.8	208.6	211.4	209.9	208.8	208.4	209.0
135°	150.7	157.3	164.6	173.7	182.4	189.3	195.6	199.6	200.7	200.6	200.9
137.5°	139.4	145.9	153.4	161.9	170.9	178.0	184.5	190.6	191.9	192.6	192.6
140°	128.1	134.6	142.0	149.8	158.7	166.2	173.1	179.1	182.7	184.1	184.4
142.5°	116.7	123.1	130.3	137.7	146.2	154.0	161.0	167.3	173.5	174.7	175.9
145°	105.1	111.5	118.4	125.6	133.4	141.8	148.3	155.0	160.6	165.0	166.4
147.5°	93.4	99.8	106.2	113.3	120.5	128.0	135.1	141.7	147.7	153.0	156.4
150°	81.7	87.8	93.9	100.7	107.8	114.4	121.3	127.8	134.1	139.5	144.4
152.5°	70.1	75.7	81.5	87.7	94.2	100.7	107.1	113.2	119.3	125.2	130.0
155°	58.3	63.5	69.0	74.5	80.7	86.7	92.6	98.3	103.8	109.5	115.5
157.5°	46.6	51.5	57.1	62.5	68.5	74.7	80.6	86.4	92.0	97.3	102.5
160°	41.7	45.9	50.9	55.9	60.8	66.1	71.3	76.4	81.2	85.9	90.3
162.5°	36.7	40.4	44.6	49.1	53.4	57.8	62.3	66.6	70.8	74.7	78.5
165°	31.7	35.0	38.3	42.1	45.9	49.7	53.4	57.0	60.5	63.9	67.6
167.5°	26.7	29.5	32.2	35.0	38.3	41.4	44.6	47.6	50.5	53.3	55.9
170°	21.6	23.9	26.1	28.2	30.4	33.0	35.5	38.0	40.4	42.7	45.1
172.5°	16.5	18.2	19.9	21.5	23.1	24.7	26.3	28.2	30.0	31.8	33.5
175°	11.3	12.5	13.6	14.7	15.8	16.9	17.9	18.9	19.9	20.8	21.7
177.5°	6.1	6.7	7.3	7.9	8.4	9.0	9.5	10.0	10.5	11.0	11.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	11.8	12.3	12.6	13.0	13.4	13.7	14.0	14.3	14.5	14.8	15.0
5°	22.8	23.9	24.9	25.9	26.8	27.7	28.5	29.2	29.9	30.6	31.2
7.5°	35.1	36.7	38.2	39.7	41.0	42.1	43.1	44.1	44.9	45.7	46.4
10°	47.0	48.9	50.7	52.4	54.0	55.4	56.8	58.0	59.1	60.0	60.8
12.5°	58.5	60.9	63.1	65.2	67.1	68.9	70.5	72.0	73.3	74.2	74.9
15°	70.2	73.0	75.7	78.2	80.5	82.4	84.0	85.4	86.6	87.6	88.4
17.5°	82.1	86.0	88.5	91.3	93.8	95.9	97.9	99.8	101.4	102.8	103.9
20°	94.4	98.3	101.8	105.0	107.9	110.4	112.8	114.7	116.1	117.5	118.8
22.5°	107.4	111.8	115.5	119.0	122.3	124.0	125.7	127.4	129.1	130.8	132.5
25°	120.5	125.0	129.8	131.2	133.0	134.9	136.6	138.4	140.3	142.5	145.0
27.5°	134.5	137.7	138.8	140.6	142.1	143.6	145.7	147.8	150.5	153.3	157.0
30°	147.3	148.5	149.4	149.7	149.8	150.9	153.4	156.2	161.0	165.9	171.1
32.5°	157.7	158.6	158.9	159.2	160.1	160.9	163.6	167.1	173.0	180.6	188.0
35°	167.4	167.6	168.2	169.1	170.7	174.1	177.6	183.4	189.1	198.1	209.8
37.5°	176.1	176.6	177.6	179.8	183.4	188.2	194.7	202.2	212.6	223.7	236.9
40°	184.6	185.7	187.7	191.5	197.0	204.0	214.0	225.5	240.1	256.5	274.0
42.5°	193.4	194.9	198.6	204.2	211.5	222.9	235.5	253.8	273.5	295.5	318.7
45°	201.8	205.0	209.9	217.4	229.2	242.7	263.3	284.8	311.0	337.8	366.3
47.5°	211.1	214.5	222.1	233.0	247.3	268.8	292.5	320.6	350.9	382.3	417.1
50°	220.8	225.8	234.7	249.6	270.5	294.9	324.8	357.4	393.2	431.1	471.0
52.5°	244.6	247.0	255.2	268.6	294.4	323.9	357.7	395.7	436.9	481.7	530.1
55°	269.3	273.7	284.5	302.3	325.3	353.2	390.4	435.0	482.9	534.9	585.6
57.5°	293.3	301.3	315.3	334.9	359.7	392.2	430.9	475.6	530.2	583.0	636.8
60°	317.7	327.9	345.3	366.4	393.9	428.9	472.1	522.9	574.5	626.0	686.5
62.5°	343.6	355.7	373.6	394.4	426.2	465.5	512.1	564.2	615.3	672.1	731.6
65°	368.8	382.7	400.1	422.8	456.3	497.8	548.1	599.4	653.4	711.9	773.2
67.5°	393.1	408.1	423.8	449.7	485.4	528.9	579.0	630.1	685.7	745.7	816.9
70°	417.5	432.0	444.9	474.0	510.8	556.0	605.2	656.9	712.8	775.9	857.5
72.5°	436.7	451.5	467.0	496.6	533.2	580.7	627.4	677.9	734.6	805.8	891.6
75°	453.5	468.5	486.6	514.4	550.9	595.8	644.2	694.2	750.9	829.1	919.2
77.5°	469.9	485.4	503.6	529.2	564.4	607.2	653.3	704.3	768.4	849.9	941.8
80°	485.9	502.0	518.5	541.1	574.7	614.9	658.9	710.9	781.7	869.9	971.5
82.5°	501.4	518.3	531.6	550.7	582.3	619.5	661.4	714.1	790.9	886.0	993.3
85°	516.5	534.2	543.4	558.6	587.6	621.3	661.0	714.0	795.7	897.4	1006.9
87.5°	531.3	549.9	554.3	565.3	591.5	621.5	659.0	712.1	798.4	906.8	1016.3
90°	545.1	564.6	564.6	570.8	593.0	618.7	653.2	704.6	791.5	903.2	1010.4
92.5°	531.3	549.9	554.3	565.3	591.5	621.5	659.0	712.1	798.4	906.8	1016.3
95°	516.5	534.2	543.4	558.6	587.6	621.3	661.0	714.0	795.7	897.4	1006.9
97.5°	501.4	518.3	531.6	550.7	582.3	619.5	661.4	714.1	790.9	886.0	993.3
100°	485.9	502.0	518.5	541.1	574.7	614.9	658.9	710.9	781.7	869.9	971.5
102.5°	469.9	485.4	503.6	529.2	564.4	607.2	653.3	704.3	768.4	849.9	941.8
105°	453.5	468.5	486.6	514.4	550.9	595.8	644.2	694.2	750.9	829.1	919.2
107.5°	436.7	451.5	467.0	496.6	533.2	580.7	627.4	677.9	734.6	805.8	891.6
110°	417.5	432.0	444.9	474.0	510.8	556.0	605.2	656.9	712.8	775.9	857.5



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-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°	393.1	408.1	423.8	449.7	485.4	528.9	579.0	630.1	685.7	745.7	816.9
115°	368.8	382.7	400.1	422.8	456.3	497.8	548.1	599.4	653.4	711.9	773.2
117.5°	343.6	355.7	373.6	394.4	426.2	465.5	512.1	564.2	615.3	672.1	731.6
120°	317.7	327.9	345.3	366.4	393.9	428.9	472.1	522.9	574.5	626.0	686.5
122.5°	293.3	301.3	315.3	334.9	359.7	392.2	430.9	475.6	530.2	583.0	636.8
125°	269.3	273.7	284.5	302.3	325.3	353.2	390.4	435.0	482.9	534.9	585.6
127.5°	244.6	247.0	255.2	268.6	294.4	323.9	357.7	395.7	436.9	481.7	530.1
130°	220.8	225.8	234.7	249.6	270.5	294.9	324.8	357.4	393.2	431.1	471.0
132.5°	211.1	214.5	222.1	233.0	247.3	268.8	292.5	320.6	350.9	382.3	417.1
135°	201.8	205.0	209.9	217.4	229.2	242.7	263.3	284.8	311.0	337.8	366.3
137.5°	193.4	194.9	198.6	204.2	211.5	222.9	235.5	253.8	273.5	295.5	318.7
140°	184.6	185.7	187.7	191.5	197.0	204.0	214.0	225.5	240.1	256.5	274.0
142.5°	176.1	176.6	177.6	179.8	183.4	188.2	194.7	202.2	212.6	223.7	236.9
145°	167.4	167.6	168.2	169.1	170.7	174.1	177.6	183.4	189.1	198.1	209.8
147.5°	157.7	158.6	158.9	159.2	160.1	160.9	163.6	167.1	173.0	180.6	188.0
150°	147.3	148.5	149.4	149.7	149.8	150.9	153.4	156.2	161.0	165.9	171.1
152.5°	134.5	137.7	138.8	140.6	142.1	143.6	145.7	147.8	150.5	153.3	157.0
155°	120.5	125.0	129.8	131.2	133.0	134.9	136.6	138.4	140.3	142.5	145.0
157.5°	107.4	111.8	115.5	119.0	122.3	124.0	125.7	127.4	129.1	130.8	132.5
160°	94.4	98.3	101.8	105.0	107.9	110.4	112.8	114.7	116.1	117.5	118.8
162.5°	82.1	86.0	88.5	91.3	93.8	95.9	97.9	99.8	101.4	102.8	103.9
165°	70.2	73.0	75.7	78.2	80.5	82.4	84.0	85.4	86.6	87.6	88.4
167.5°	58.5	60.9	63.1	65.2	67.1	68.9	70.5	72.0	73.3	74.2	74.9
170°	47.0	48.9	50.7	52.4	54.0	55.4	56.8	58.0	59.1	60.0	60.8
172.5°	35.1	36.7	38.2	39.7	41.0	42.1	43.1	44.1	44.9	45.7	46.4
175°	22.8	23.9	24.9	25.9	26.8	27.7	28.5	29.2	29.9	30.6	31.2
177.5°	11.8	12.3	12.6	13.0	13.4	13.7	14.0	14.3	14.5	14.8	15.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P231951

CATALOG NUMBER: FVS4WM-4-LD4-50-1STD-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	15.1	15.3	15.4	15.5	15.6	15.6	16.1	15.9	15.8	15.6	15.4
5°	31.7	32.1	32.5	32.9	33.1	33.3	33.4	33.5	34.0	33.7	33.4
7.5°	47.0	47.5	47.9	48.2	48.4	48.5	48.6	48.5	48.4	48.5	48.0
10°	61.5	62.1	62.5	62.8	63.0	63.1	63.0	62.9	62.6	62.6	61.9
12.5°	75.4	75.8	76.0	76.0	75.9	75.6	75.2	74.7	74.0	73.1	72.4
15°	89.2	89.8	90.3	90.5	90.6	90.4	90.1	89.5	88.8	87.9	87.2
17.5°	104.9	105.7	106.3	106.9	107.3	107.5	107.6	107.5	107.2	106.7	106.4
20°	120.0	121.2	122.4	123.5	124.6	125.4	126.2	126.8	127.1	127.2	127.8
22.5°	134.3	136.1	137.9	139.7	141.5	143.1	144.5	145.8	146.8	147.6	148.8
25°	147.5	150.0	152.6	155.7	158.6	161.3	163.7	165.8	167.7	169.1	170.2
27.5°	161.2	165.3	169.2	173.6	178.2	182.5	186.3	189.8	192.8	195.3	197.2
30°	177.1	183.3	189.4	195.2	202.6	209.5	215.8	221.4	226.2	230.3	233.6
32.5°	196.1	206.1	215.6	224.7	235.0	245.9	255.8	264.8	272.6	279.3	284.8
35°	221.2	235.3	250.0	264.0	277.8	292.4	305.5	317.0	327.0	335.4	342.0
37.5°	254.1	271.9	292.2	311.1	328.6	346.0	362.0	376.2	388.4	398.6	406.8
40°	294.5	317.2	341.0	363.8	385.1	405.4	424.2	440.4	454.1	465.2	473.7
42.5°	343.4	367.6	394.1	422.1	447.4	470.6	493.9	513.8	530.4	543.5	553.3
45°	394.9	425.8	455.0	488.6	520.2	551.6	575.3	598.8	618.5	634.2	645.8
47.5°	452.0	489.9	527.6	564.5	601.3	634.5	666.1	696.2	722.8	745.5	763.7
50°	515.2	558.2	601.7	644.2	687.2	727.3	766.6	805.4	839.5	868.2	891.2
52.5°	577.8	625.3	675.0	724.1	776.5	829.1	877.2	928.1	972.2	1008.9	1037.7
55°	636.8	691.6	747.8	808.3	872.7	945.1	1009.4	1063.5	1108.4	1144.0	1170.6
57.5°	695.0	756.1	820.3	897.6	982.2	1060.6	1138.7	1190.4	1227.6	1254.9	1273.0
60°	749.1	816.3	897.8	985.7	1077.4	1163.7	1241.9	1296.2	1320.5	1339.5	1353.2
62.5°	796.4	877.6	970.2	1068.4	1162.6	1248.8	1314.1	1367.6	1386.2	1400.0	1408.9
65°	848.0	934.3	1036.7	1140.8	1235.9	1315.7	1372.8	1414.1	1437.6	1452.1	1463.2
67.5°	900.1	995.3	1099.6	1208.4	1305.4	1377.8	1428.0	1461.2	1482.6	1496.2	1506.6
70°	948.6	1054.0	1165.5	1277.3	1372.3	1434.3	1476.7	1498.4	1517.4	1532.0	1543.0
72.5°	991.4	1104.3	1224.5	1333.5	1423.1	1479.9	1505.4	1527.1	1547.7	1564.9	1574.4
75°	1028.3	1149.4	1268.9	1378.9	1467.1	1505.2	1528.1	1551.6	1574.7	1592.2	1602.1
77.5°	1056.8	1185.0	1304.1	1423.1	1493.8	1530.0	1552.3	1573.9	1591.6	1608.2	1619.9
80°	1088.3	1211.2	1336.1	1459.3	1523.5	1554.1	1572.9	1588.6	1601.8	1618.2	1633.4
82.5°	1113.8	1236.8	1369.8	1480.2	1540.2	1568.4	1586.0	1601.6	1615.7	1627.0	1643.1
85°	1128.9	1252.5	1389.9	1496.6	1548.0	1573.7	1593.7	1611.6	1625.8	1637.8	1646.4
87.5°	1138.4	1258.1	1396.2	1507.6	1551.8	1575.7	1596.5	1613.8	1628.5	1644.4	1653.2
90°	1129.2	1253.3	1388.9	1509.5	1551.1	1575.0	1596.3	1612.3	1624.7	1642.4	1649.5
92.5°	1138.4	1258.1	1396.2	1507.6	1551.8	1575.7	1596.5	1613.8	1628.5	1644.4	1653.2
95°	1128.9	1252.5	1389.9	1496.6	1548.0	1573.7	1593.7	1611.6	1625.8	1637.8	1646.4
97.5°	1113.8	1236.8	1369.8	1480.2	1540.2	1568.4	1586.0	1601.6	1615.7	1627.0	1643.1
100°	1088.3	1211.2	1336.1	1459.3	1523.5	1554.1	1572.9	1588.6	1601.8	1618.2	1633.4
102.5°	1056.8	1185.0	1304.1	1423.1	1493.8	1530.0	1552.3	1573.9	1591.6	1608.2	1619.9
105°	1028.3	1149.4	1268.9	1378.9	1467.1	1505.2	1528.1	1551.6	1574.7	1592.2	1602.1
107.5°	991.4	1104.3	1224.5	1333.5	1423.1	1479.9	1505.4	1527.1	1547.7	1564.9	1574.4
110°	948.6	1054.0	1165.5	1277.3	1372.3	1434.3	1476.7	1498.4	1517.4	1532.0	1543.0



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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	900.1	995.3	1099.6	1208.4	1305.4	1377.8	1428.0	1461.2	1482.6	1496.2	1506.6
115°	848.0	934.3	1036.7	1140.8	1235.9	1315.7	1372.8	1414.1	1437.6	1452.1	1463.2
117.5°	796.4	877.6	970.2	1068.4	1162.6	1248.8	1314.1	1367.6	1386.2	1400.0	1408.9
120°	749.1	816.3	897.8	985.7	1077.4	1163.7	1241.9	1296.2	1320.5	1339.5	1353.2
122.5°	695.0	756.1	820.3	897.6	982.2	1060.6	1138.7	1190.4	1227.6	1254.9	1273.0
125°	636.8	691.6	747.8	808.3	872.7	945.1	1009.4	1063.5	1108.4	1144.0	1170.6
127.5°	577.8	625.3	675.0	724.1	776.5	829.1	877.2	928.1	972.2	1008.9	1037.7
130°	515.2	558.2	601.7	644.2	687.2	727.3	766.6	805.4	839.5	868.2	891.2
132.5°	452.0	489.9	527.6	564.5	601.3	634.5	666.1	696.2	722.8	745.5	763.7
135°	394.9	425.8	455.0	488.6	520.2	551.6	575.3	598.8	618.5	634.2	645.8
137.5°	343.4	367.6	394.1	422.1	447.4	470.6	493.9	513.8	530.4	543.5	553.3
140°	294.5	317.2	341.0	363.8	385.1	405.4	424.2	440.4	454.1	465.2	473.7
142.5°	254.1	271.9	292.2	311.1	328.6	346.0	362.0	376.2	388.4	398.6	406.8
145°	221.2	235.3	250.0	264.0	277.8	292.4	305.5	317.0	327.0	335.4	342.0
147.5°	196.1	206.1	215.6	224.7	235.0	245.9	255.8	264.8	272.6	279.3	284.8
150°	177.1	183.3	189.4	195.2	202.6	209.5	215.8	221.4	226.2	230.3	233.6
152.5°	161.2	165.3	169.2	173.6	178.2	182.5	186.3	189.8	192.8	195.3	197.2
155°	147.5	150.0	152.6	155.7	158.6	161.3	163.7	165.8	167.7	169.1	170.2
157.5°	134.3	136.1	137.9	139.7	141.5	143.1	144.5	145.8	146.8	147.6	148.8
160°	120.0	121.2	122.4	123.5	124.6	125.4	126.2	126.8	127.1	127.2	127.8
162.5°	104.9	105.7	106.3	106.9	107.3	107.5	107.6	107.5	107.2	106.7	106.4
165°	89.2	89.8	90.3	90.5	90.6	90.4	90.1	89.5	88.8	87.9	87.2
167.5°	75.4	75.8	76.0	76.0	75.9	75.6	75.2	74.7	74.0	73.1	72.4
170°	61.5	62.1	62.5	62.8	63.0	63.1	63.0	62.9	62.6	62.6	61.9
172.5°	47.0	47.5	47.9	48.2	48.4	48.5	48.6	48.5	48.4	48.5	48.0
175°	31.7	32.1	32.5	32.9	33.1	33.3	33.4	33.5	34.0	33.7	33.4
177.5°	15.1	15.3	15.4	15.5	15.6	15.6	16.1	15.9	15.8	15.6	15.4
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	0.9	0.9
2.5°	15.3	15.1
5°	33.1	32.8
7.5°	47.5	47.0
10°	61.1	60.3
12.5°	71.2	70.0
15°	85.7	84.2
17.5°	105.1	103.7
20°	126.8	125.9
22.5°	148.4	148.0
25°	171.1	171.1
27.5°	198.9	199.4
30°	236.5	237.5
32.5°	289.7	291.6
35°	347.8	350.1
37.5°	413.9	416.6
40°	480.9	483.1
42.5°	561.3	562.8
45°	655.4	656.8
47.5°	779.8	784.4
50°	911.5	918.3
52.5°	1062.8	1070.7
55°	1192.3	1197.5
57.5°	1286.0	1285.2
60°	1364.0	1363.2
62.5°	1413.1	1412.8
65°	1470.2	1472.2
67.5°	1513.2	1515.7
70°	1550.5	1553.8
72.5°	1577.2	1575.0
75°	1606.0	1606.1
77.5°	1629.2	1638.0
80°	1647.1	1656.6
82.5°	1656.7	1670.8
85°	1660.9	1677.9
87.5°	1655.9	1683.2
90°	1657.5	1674.3
92.5°	1655.9	1683.2
95°	1660.9	1677.9
97.5°	1656.7	1670.8
100°	1647.1	1656.6
102.5°	1629.2	1638.0
105°	1606.0	1606.1
107.5°	1577.2	1575.0
110°	1550.5	1553.8



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1513.2	1515.7
115°	1470.2	1472.2
117.5°	1413.1	1412.8
120°	1364.0	1363.2
122.5°	1286.0	1285.2
125°	1192.3	1197.5
127.5°	1062.8	1070.7
130°	911.5	918.3
132.5°	779.8	784.4
135°	655.4	656.8
137.5°	561.3	562.8
140°	480.9	483.1
142.5°	413.9	416.6
145°	347.8	350.1
147.5°	289.7	291.6
150°	236.5	237.5
152.5°	198.9	199.4
155°	171.1	171.1
157.5°	148.4	148.0
160°	126.8	125.9
162.5°	105.1	103.7
165°	85.7	84.2
167.5°	71.2	70.0
170°	61.1	60.3
172.5°	47.5	47.0
175°	33.1	32.8
177.5°	15.3	15.1
180°	0.0	0.0

(END OF REPORT)