

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: P232024

Luminaire Tested: **FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P232024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-23)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
3FT LENGTH, 1-MODULE LED WITH P125 LENS
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

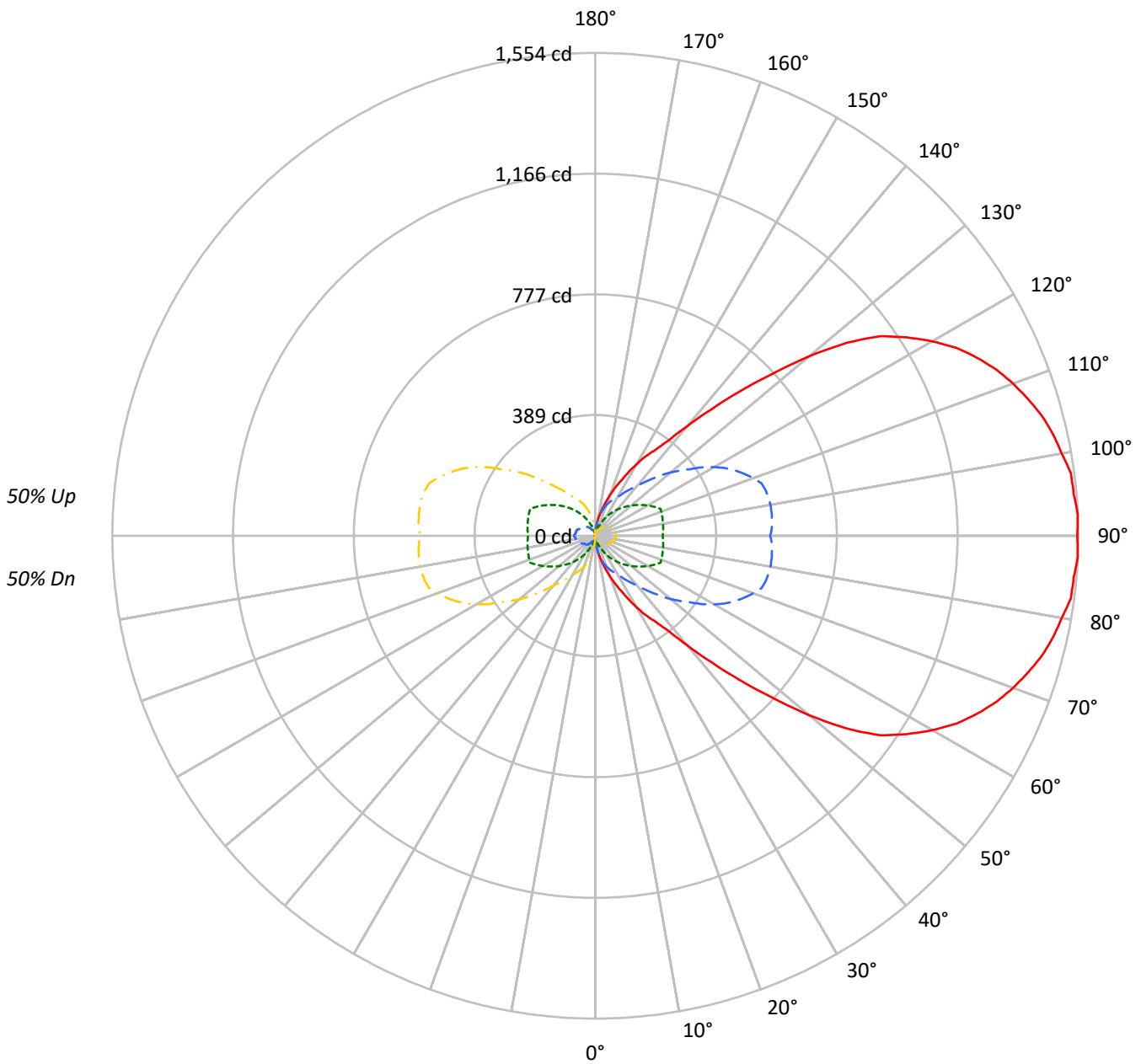
Lumens per Lamp: N/A
Luminaire Lumens: 3697.3 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2.92' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 36.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P232024

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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	12				
4	64	51	41	33	58	46	37	30	37	30	24	29	23	18	21	17	13	9				
5	59	44	34	27	53	40	31	24	32	25	20	25	19	15	18	14	10	7				
6	54	39	29	22	48	35	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	28	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°	0	0	0	0
5°	498	168	0	168
10°	891	335	0	335
15°	1314	509	0	509
20°	1843	689	0	689
25°	2387	1007	0	1007
30°	3075	1477	0	1477
35°	3744	1996	0	1996
40°	4936	2584	0	2584
45°	6839	3266	0	3266
50°	9214	4114	0	4114
55°	11368	5152	0	5152
60°	12676	6461	0	6461
65°	13801	8188	0	8188
70°	14756	10039	10	10039
75°	15676	12142	11	12142
80°	16526	15596	0	15596
85°	17403	22211	0	22211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.0
10°-20°	12.8	0.3
20°-30°	36.0	1.0
30°-40°	78.1	2.1
40°-50°	151.7	4.1
50°-60°	263.3	7.1
60°-70°	372.1	10.1
70°-80°	447.6	12.1
80°-90°	485.2	13.1
90°-100°	485.2	13.1
100°-110°	447.6	12.1
110°-120°	372.1	10.1
120°-130°	263.3	7.1
130°-140°	151.7	4.1
140°-150°	78.1	2.1
150°-160°	36.0	1.0
160°-170°	12.8	0.3
170°-180°	1.8	0.0
0°-30°	50.6	1.4
0°-40°	128.7	3.5
0°-60°	543.7	14.7
0°-90°	1848.7	50.0
90°-120°	1304.9	35.3
90°-150°	1798.0	48.6
90°-180°	1849.0	50.0
0°-180°	3697.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	29	9	0	9	29	4
15°	93	26	0	26	93	28
25°	195	49	0	49	195	94
35°	338	89	0	89	338	220
45°	655	130	0	130	655	519
55°	1120	173	0	173	1120	990
65°	1356	216	0	216	1356	1342
75°	1488	224	1	224	1488	1570
85°	1545	219	0	219	1545	1260
90°	1551	216	0	216	1551	851
95°	1545	219	0	219	1545	1260
105°	1488	224	1	224	1488	1570
115°	1356	216	0	216	1356	1342
125°	1120	173	0	173	1120	990
135°	655	130	0	130	655	519
145°	338	89	0	89	338	220
155°	195	49	0	49	195	94
165°	93	26	0	26	93	28
175°	29	9	0	9	29	4
180°	0	0	0	0	0	



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	13.5	13.7	13.9	14.0	14.2	14.4	14.6	14.1	14.1	14.1	14.0
5°	28.9	29.3	29.7	30.1	30.5	30.1	30.2	30.2	30.1	30.0	29.8
7.5°	44.3	44.9	45.5	46.1	46.0	46.2	46.3	46.3	46.2	46.0	45.8
10°	57.7	58.6	59.4	60.3	60.3	60.7	61.0	61.1	61.1	61.0	60.8
12.5°	72.2	73.2	74.3	74.7	75.2	75.6	75.9	76.0	76.0	75.9	75.6
15°	93.3	94.1	94.9	94.7	94.7	94.5	94.2	93.7	93.1	92.3	91.5
17.5°	116.4	116.8	117.1	116.2	115.6	114.8	113.8	112.6	111.2	109.7	108.1
20°	141.4	141.3	141.2	139.5	138.2	136.6	134.7	132.6	130.2	127.7	125.0
22.5°	167.4	166.9	166.3	163.8	161.8	159.4	156.7	153.7	150.4	146.9	143.1
25°	195.3	194.2	192.0	189.6	186.7	183.4	179.8	175.7	171.4	166.8	161.9
27.5°	229.0	227.3	224.1	220.6	216.4	211.7	206.4	200.6	194.3	187.6	181.3
30°	265.5	263.8	260.3	256.3	251.4	245.5	238.7	230.9	222.2	212.6	204.5
32.5°	304.0	302.8	299.5	295.5	290.3	283.9	276.2	267.3	257.0	246.0	234.7
35°	337.7	338.0	336.0	333.3	329.2	323.5	316.2	307.1	296.3	284.1	270.6
37.5°	384.8	386.4	384.6	381.8	377.1	370.5	361.7	350.8	338.2	325.5	310.6
40°	460.8	461.4	456.7	450.7	442.4	431.9	419.3	404.8	390.0	374.2	356.1
42.5°	551.3	550.2	542.2	532.8	520.6	505.7	488.4	469.1	450.2	430.2	408.7
45°	655.2	651.6	639.3	625.5	608.3	588.1	565.2	543.4	516.3	490.6	464.2
47.5°	768.7	764.3	749.2	731.6	709.2	682.0	650.4	617.7	587.0	554.9	525.1
50°	898.6	895.0	877.8	856.9	829.2	794.6	753.2	711.8	668.6	623.7	588.3
52.5°	1019.8	1019.7	1004.9	985.8	958.3	922.3	877.6	826.7	766.3	707.4	657.3
55°	1119.8	1121.3	1110.0	1095.2	1073.5	1045.2	1007.4	947.8	871.2	798.7	730.7
57.5°	1188.1	1190.5	1183.3	1173.6	1159.2	1140.0	1109.5	1045.9	977.2	888.1	805.6
60°	1251.6	1253.4	1245.9	1236.5	1223.0	1205.8	1172.9	1119.8	1051.1	968.8	880.8
62.5°	1309.4	1308.2	1302.5	1292.4	1278.5	1261.2	1228.2	1181.2	1117.2	1039.9	947.4
65°	1355.5	1353.6	1347.8	1338.5	1326.2	1309.5	1282.7	1246.7	1184.5	1105.2	1011.0
67.5°	1396.9	1394.7	1388.4	1378.1	1364.4	1348.3	1328.3	1298.4	1255.7	1176.8	1076.4
70°	1430.6	1428.6	1422.6	1413.0	1400.0	1382.5	1363.1	1338.3	1304.5	1244.7	1138.0
72.5°	1460.4	1456.2	1449.0	1439.9	1429.2	1410.7	1391.3	1368.9	1336.3	1278.2	1189.6
75°	1488.3	1481.4	1471.4	1461.3	1450.1	1433.6	1413.3	1392.3	1366.4	1311.5	1223.4
77.5°	1508.5	1502.5	1492.1	1482.1	1470.3	1455.1	1434.0	1412.3	1386.4	1344.6	1259.1
80°	1523.9	1520.4	1511.1	1500.3	1487.4	1470.8	1451.9	1430.8	1404.3	1372.1	1288.3
82.5°	1543.1	1533.9	1523.5	1509.4	1498.3	1481.6	1463.5	1442.9	1416.8	1383.0	1312.5
85°	1545.1	1538.4	1533.4	1517.3	1504.6	1487.9	1469.2	1448.8	1421.9	1390.4	1331.0
87.5°	1553.7	1544.4	1534.1	1516.8	1507.4	1490.2	1469.8	1451.8	1422.8	1395.3	1341.3
90°	1550.8	1535.4	1530.6	1517.2	1504.6	1489.3	1467.1	1451.7	1420.0	1395.9	1341.1
92.5°	1553.7	1544.4	1534.1	1516.8	1507.4	1490.2	1469.8	1451.8	1422.8	1395.3	1341.3
95°	1545.1	1538.4	1533.4	1517.3	1504.6	1487.9	1469.2	1448.8	1421.9	1390.4	1331.0
97.5°	1543.1	1533.9	1523.5	1509.4	1498.3	1481.6	1463.5	1442.9	1416.8	1383.0	1312.5
100°	1523.9	1520.4	1511.1	1500.3	1487.4	1470.8	1451.9	1430.8	1404.3	1372.1	1288.3
102.5°	1508.5	1502.5	1492.1	1482.1	1470.3	1455.1	1434.0	1412.3	1386.4	1344.6	1259.1
105°	1488.3	1481.4	1471.4	1461.3	1450.1	1433.6	1413.3	1392.3	1366.4	1311.5	1223.4
107.5°	1460.4	1456.2	1449.0	1439.9	1429.2	1410.7	1391.3	1368.9	1336.3	1278.2	1189.6
110°	1430.6	1428.6	1422.6	1413.0	1400.0	1382.5	1363.1	1338.3	1304.5	1244.7	1138.0



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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°	1396.9	1394.7	1388.4	1378.1	1364.4	1348.3	1328.3	1298.4	1255.7	1176.8	1076.4
115°	1355.5	1353.6	1347.8	1338.5	1326.2	1309.5	1282.7	1246.7	1184.5	1105.2	1011.0
117.5°	1309.4	1308.2	1302.5	1292.4	1278.5	1261.2	1228.2	1181.2	1117.2	1039.9	947.4
120°	1251.6	1253.4	1245.9	1236.5	1223.0	1205.8	1172.9	1119.8	1051.1	968.8	880.8
122.5°	1188.1	1190.5	1183.3	1173.6	1159.2	1140.0	1109.5	1045.9	977.2	888.1	805.6
125°	1119.8	1121.3	1110.0	1095.2	1073.5	1045.2	1007.4	947.8	871.2	798.7	730.7
127.5°	1019.8	1019.7	1004.9	985.8	958.3	922.3	877.6	826.7	766.3	707.4	657.3
130°	898.6	895.0	877.8	856.9	829.2	794.6	753.2	711.8	668.6	623.7	588.3
132.5°	768.7	764.3	749.2	731.6	709.2	682.0	650.4	617.7	587.0	554.9	525.1
135°	655.2	651.6	639.3	625.5	608.3	588.1	565.2	543.4	516.3	490.6	464.2
137.5°	551.3	550.2	542.2	532.8	520.6	505.7	488.4	469.1	450.2	430.2	408.7
140°	460.8	461.4	456.7	450.7	442.4	431.9	419.3	404.8	390.0	374.2	356.1
142.5°	384.8	386.4	384.6	381.8	377.1	370.5	361.7	350.8	338.2	325.5	310.6
145°	337.7	338.0	336.0	333.3	329.2	323.5	316.2	307.1	296.3	284.1	270.6
147.5°	304.0	302.8	299.5	295.5	290.3	283.9	276.2	267.3	257.0	246.0	234.7
150°	265.5	263.8	260.3	256.3	251.4	245.5	238.7	230.9	222.2	212.6	204.5
152.5°	229.0	227.3	224.1	220.6	216.4	211.7	206.4	200.6	194.3	187.6	181.3
155°	195.3	194.2	192.0	189.6	186.7	183.4	179.8	175.7	171.4	166.8	161.9
157.5°	167.4	166.9	166.3	163.8	161.8	159.4	156.7	153.7	150.4	146.9	143.1
160°	141.4	141.3	141.2	139.5	138.2	136.6	134.7	132.6	130.2	127.7	125.0
162.5°	116.4	116.8	117.1	116.2	115.6	114.8	113.8	112.6	111.2	109.7	108.1
165°	93.3	94.1	94.9	94.7	94.7	94.5	94.2	93.7	93.1	92.3	91.5
167.5°	72.2	73.2	74.3	74.7	75.2	75.6	75.9	76.0	76.0	75.9	75.6
170°	57.7	58.6	59.4	60.3	60.3	60.7	61.0	61.1	61.1	61.0	60.8
172.5°	44.3	44.9	45.5	46.1	46.0	46.2	46.3	46.3	46.2	46.0	45.8
175°	28.9	29.3	29.7	30.1	30.5	30.1	30.2	30.2	30.1	30.0	29.8
177.5°	13.5	13.7	13.9	14.0	14.2	14.4	14.6	14.1	14.1	14.1	14.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	13.9	13.8	13.6	13.5	13.3	13.0	12.8	12.5	12.2	11.9	11.6
5°	29.5	29.2	28.8	28.3	27.8	27.3	26.6	26.0	25.2	24.4	23.6
7.5°	45.4	44.9	44.4	43.7	43.0	42.2	41.3	40.3	39.2	38.0	36.7
10°	60.5	60.0	59.4	58.7	57.9	57.0	55.9	54.5	53.1	51.6	49.9
12.5°	75.2	74.6	74.0	73.1	72.2	71.0	69.7	68.3	66.7	64.9	63.0
15°	90.5	89.4	88.3	87.2	86.1	84.8	83.3	81.8	80.1	78.0	75.7
17.5°	106.4	104.7	103.0	101.4	99.8	98.1	96.4	94.6	92.6	90.5	88.3
20°	122.2	119.6	117.2	114.8	112.5	110.1	108.0	106.1	104.2	102.3	100.0
22.5°	139.3	135.6	131.9	128.1	124.3	121.2	118.6	116.0	113.7	111.7	109.8
25°	157.2	152.3	147.3	142.1	137.4	133.0	128.6	124.6	122.0	119.6	117.7
27.5°	175.3	169.2	163.0	156.8	150.9	145.0	139.8	134.5	129.9	126.0	123.8
30°	196.1	187.4	179.1	171.5	164.3	157.2	150.6	144.2	139.7	137.0	134.2
32.5°	222.4	209.2	198.0	187.9	177.7	169.2	163.7	158.9	154.5	150.0	146.8
35°	255.6	239.8	224.6	208.4	195.9	188.2	180.0	174.6	169.0	164.1	159.3
37.5°	293.6	275.8	256.9	241.5	225.7	210.8	200.3	191.2	183.8	177.7	172.3
40°	336.3	316.5	297.0	278.1	258.9	240.7	224.3	210.1	200.0	191.4	184.9
42.5°	386.7	363.4	339.6	317.5	296.5	273.4	251.6	233.9	217.7	206.7	197.6
45°	439.8	413.5	386.5	358.4	332.4	307.2	283.1	258.7	239.8	223.1	211.2
47.5°	495.2	464.6	434.5	403.2	371.8	341.7	314.5	288.1	262.3	242.5	226.5
50°	552.4	517.9	483.0	448.7	415.2	378.7	345.8	316.7	288.6	262.7	242.3
52.5°	610.5	571.0	532.0	493.9	455.8	418.8	379.2	344.9	316.0	284.8	264.2
55°	673.7	623.0	579.8	537.9	497.1	455.9	414.1	374.0	343.3	315.7	291.2
57.5°	736.0	675.3	624.9	579.8	536.1	493.2	450.3	409.6	372.5	344.1	318.2
60°	793.5	724.0	665.7	617.6	572.3	528.2	484.2	441.6	402.8	370.7	343.9
62.5°	852.9	764.8	702.0	649.9	603.6	559.5	514.7	471.2	430.8	394.7	367.3
65°	907.9	816.2	736.3	678.6	629.7	585.3	542.1	496.7	455.6	418.9	389.5
67.5°	968.9	868.5	779.5	706.2	650.7	606.0	565.0	520.2	478.1	440.9	409.6
70°	1025.8	916.2	820.4	732.3	670.5	622.7	582.1	541.1	497.1	459.9	427.7
72.5°	1073.6	957.5	852.9	761.7	687.3	634.9	595.0	560.9	513.4	476.5	444.7
75°	1111.1	992.8	878.7	784.1	699.5	644.2	603.7	567.4	524.6	487.2	457.9
77.5°	1138.2	1018.5	899.2	804.0	718.9	654.4	608.5	570.3	531.1	494.9	468.1
80°	1165.5	1043.9	927.3	823.3	734.7	662.3	611.5	571.9	534.3	500.1	476.0
82.5°	1192.5	1065.7	947.2	836.9	745.6	667.5	612.8	572.1	534.7	503.1	481.8
85°	1207.5	1078.9	958.5	844.8	751.5	669.9	612.2	570.6	532.6	504.3	486.2
87.5°	1210.7	1087.9	965.4	849.7	754.8	670.9	610.6	568.4	529.2	504.4	489.6
90°	1202.6	1078.5	956.3	842.8	748.5	665.7	605.1	562.8	523.4	503.2	492.6
92.5°	1210.7	1087.9	965.4	849.7	754.8	670.9	610.6	568.4	529.2	504.4	489.6
95°	1207.5	1078.9	958.5	844.8	751.5	669.9	612.2	570.6	532.6	504.3	486.2
97.5°	1192.5	1065.7	947.2	836.9	745.6	667.5	612.8	572.1	534.7	503.1	481.8
100°	1165.5	1043.9	927.3	823.3	734.7	662.3	611.5	571.9	534.3	500.1	476.0
102.5°	1138.2	1018.5	899.2	804.0	718.9	654.4	608.5	570.3	531.1	494.9	468.1
105°	1111.1	992.8	878.7	784.1	699.5	644.2	603.7	567.4	524.6	487.2	457.9
107.5°	1073.6	957.5	852.9	761.7	687.3	634.9	595.0	560.9	513.4	476.5	444.7
110°	1025.8	916.2	820.4	732.3	670.5	622.7	582.1	541.1	497.1	459.9	427.7



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	968.9	868.5	779.5	706.2	650.7	606.0	565.0	520.2	478.1	440.9	409.6
115°	907.9	816.2	736.3	678.6	629.7	585.3	542.1	496.7	455.6	418.9	389.5
117.5°	852.9	764.8	702.0	649.9	603.6	559.5	514.7	471.2	430.8	394.7	367.3
120°	793.5	724.0	665.7	617.6	572.3	528.2	484.2	441.6	402.8	370.7	343.9
122.5°	736.0	675.3	624.9	579.8	536.1	493.2	450.3	409.6	372.5	344.1	318.2
125°	673.7	623.0	579.8	537.9	497.1	455.9	414.1	374.0	343.3	315.7	291.2
127.5°	610.5	571.0	532.0	493.9	455.8	418.8	379.2	344.9	316.0	284.8	264.2
130°	552.4	517.9	483.0	448.7	415.2	378.7	345.8	316.7	288.6	262.7	242.3
132.5°	495.2	464.6	434.5	403.2	371.8	341.7	314.5	288.1	262.3	242.5	226.5
135°	439.8	413.5	386.5	358.4	332.4	307.2	283.1	258.7	239.8	223.1	211.2
137.5°	386.7	363.4	339.6	317.5	296.5	273.4	251.6	233.9	217.7	206.7	197.6
140°	336.3	316.5	297.0	278.1	258.9	240.7	224.3	210.1	200.0	191.4	184.9
142.5°	293.6	275.8	256.9	241.5	225.7	210.8	200.3	191.2	183.8	177.7	172.3
145°	255.6	239.8	224.6	208.4	195.9	188.2	180.0	174.6	169.0	164.1	159.3
147.5°	222.4	209.2	198.0	187.9	177.7	169.2	163.7	158.9	154.5	150.0	146.8
150°	196.1	187.4	179.1	171.5	164.3	157.2	150.6	144.2	139.7	137.0	134.2
152.5°	175.3	169.2	163.0	156.8	150.9	145.0	139.8	134.5	129.9	126.0	123.8
155°	157.2	152.3	147.3	142.1	137.4	133.0	128.6	124.6	122.0	119.6	117.7
157.5°	139.3	135.6	131.9	128.1	124.3	121.2	118.6	116.0	113.7	111.7	109.8
160°	122.2	119.6	117.2	114.8	112.5	110.1	108.0	106.1	104.2	102.3	100.0
162.5°	106.4	104.7	103.0	101.4	99.8	98.1	96.4	94.6	92.6	90.5	88.3
165°	90.5	89.4	88.3	87.2	86.1	84.8	83.3	81.8	80.1	78.0	75.7
167.5°	75.2	74.6	74.0	73.1	72.2	71.0	69.7	68.3	66.7	64.9	63.0
170°	60.5	60.0	59.4	58.7	57.9	57.0	55.9	54.5	53.1	51.6	49.9
172.5°	45.4	44.9	44.4	43.7	43.0	42.2	41.3	40.3	39.2	38.0	36.7
175°	29.5	29.2	28.8	28.3	27.8	27.3	26.6	26.0	25.2	24.4	23.6
177.5°	13.9	13.8	13.6	13.5	13.3	13.0	12.8	12.5	12.2	11.9	11.6
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	11.2	10.8	10.4	10.0	9.5	9.1	8.6	8.1	7.6	7.1	6.5
5°	22.7	21.7	20.7	19.9	19.0	18.1	17.1	16.1	15.1	14.1	13.0
7.5°	35.4	33.9	32.4	30.8	29.2	27.4	25.6	24.1	22.6	21.1	19.5
10°	48.2	46.3	44.5	42.2	40.0	37.6	35.2	32.7	30.1	28.0	25.9
12.5°	60.9	58.5	56.1	53.5	50.9	48.0	44.9	41.7	38.5	35.1	32.2
15°	73.3	70.7	68.3	64.8	61.6	58.2	54.8	50.9	46.9	42.9	38.7
17.5°	86.2	82.7	79.4	76.0	72.3	68.4	64.3	60.2	55.5	50.7	45.7
20°	97.2	94.4	91.2	87.2	82.9	78.5	73.9	69.1	64.2	58.6	52.9
22.5°	108.0	105.2	101.8	98.3	93.7	88.7	83.5	78.1	72.5	66.6	60.1
25°	115.7	114.2	112.0	108.2	104.6	99.8	94.4	88.8	83.1	77.3	70.8
27.5°	123.0	122.3	121.4	119.8	115.9	111.9	106.4	100.4	94.4	88.2	81.7
30°	132.9	131.9	130.8	129.4	127.1	122.7	118.0	111.7	105.8	98.9	92.4
32.5°	143.7	141.8	140.4	138.8	136.8	133.3	128.5	122.7	116.1	109.4	102.5
35°	155.6	152.3	150.1	148.4	146.2	143.5	138.7	133.7	126.5	119.6	112.5
37.5°	167.4	163.5	160.1	158.0	156.1	152.7	148.7	143.1	136.6	129.5	122.3
40°	179.3	174.4	170.8	167.5	165.2	162.2	158.3	152.7	146.5	139.2	131.9
42.5°	190.8	185.5	180.8	177.5	174.6	171.9	167.5	162.2	156.0	148.7	141.3
45°	202.7	195.9	191.1	187.2	183.9	181.0	176.8	171.4	165.0	157.9	150.5
47.5°	213.9	206.7	200.9	196.6	193.3	191.1	189.6	186.8	183.3	178.7	172.6
50°	228.0	217.7	213.6	211.8	210.6	210.0	209.8	208.9	207.1	203.8	197.9
52.5°	248.9	239.0	233.9	230.7	228.9	228.3	229.0	229.8	230.1	228.7	222.8
55°	273.6	261.9	254.1	249.4	247.1	246.5	247.5	249.8	252.5	252.9	247.6
57.5°	298.1	284.0	274.4	268.7	265.6	264.5	265.4	268.8	274.1	276.3	272.3
60°	320.7	305.8	295.4	288.3	284.0	282.2	282.8	287.1	294.6	299.2	296.8
62.5°	343.9	327.5	316.0	307.7	302.2	299.7	300.1	305.4	314.5	321.6	321.3
65°	365.7	347.8	336.1	327.0	320.4	317.5	317.8	323.2	333.8	343.8	345.7
67.5°	385.4	366.7	355.4	346.4	339.2	335.4	335.3	340.8	352.7	365.5	369.9
70°	403.4	385.3	374.4	365.1	356.5	350.8	348.9	352.9	363.8	375.4	375.8
72.5°	420.4	401.4	388.1	377.9	368.8	361.9	358.9	362.0	372.3	383.2	379.6
75°	435.2	416.2	401.0	390.3	381.0	373.2	368.9	371.1	381.0	391.7	383.8
77.5°	448.3	430.5	413.7	402.4	393.0	384.6	378.9	380.3	390.0	400.8	388.2
80°	459.8	444.4	426.2	414.2	404.8	395.9	389.0	389.7	399.1	410.3	392.8
82.5°	470.1	457.7	438.4	425.7	416.4	407.2	399.0	399.1	408.5	420.1	398.8
85°	479.4	470.5	450.4	437.0	427.9	418.9	409.1	408.4	417.8	430.5	402.8
87.5°	488.2	483.1	462.2	448.2	439.2	429.7	419.1	418.2	427.7	439.9	406.8
90°	496.4	494.5	473.3	458.9	450.2	440.6	429.1	428.1	437.7	449.3	410.8
92.5°	488.2	483.1	462.2	448.2	439.2	429.7	419.1	418.2	427.7	439.9	406.8
95°	479.4	470.5	450.4	437.0	427.9	418.9	409.1	408.4	417.8	430.5	402.8
97.5°	470.1	457.7	438.4	425.7	416.4	407.2	399.0	399.1	408.5	420.1	398.8
100°	459.8	444.4	426.2	414.2	404.8	395.9	389.0	389.7	399.1	410.3	392.8
102.5°	448.3	430.5	413.7	402.4	393.0	384.6	378.9	380.3	390.0	400.8	388.2
105°	435.2	416.2	401.0	390.3	381.0	373.2	368.9	371.1	381.0	391.7	383.8
107.5°	420.4	401.4	388.1	377.9	368.8	361.9	358.9	362.0	372.3	383.2	379.6
110°	403.4	385.3	374.4	365.1	356.5	350.8	348.9	352.9	363.8	375.4	375.8



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	385.4	366.7	355.4	346.4	339.2	335.4	335.3	340.8	352.7	365.5	369.9
115°	365.7	347.8	336.1	327.0	320.4	317.5	317.8	323.2	333.8	343.8	345.7
117.5°	343.9	327.5	316.0	307.7	302.2	299.7	300.1	305.4	314.5	321.6	321.3
120°	320.7	305.8	295.4	288.3	284.0	282.2	282.8	287.1	294.6	299.2	296.8
122.5°	298.1	284.0	274.4	268.7	265.6	264.5	265.4	268.8	274.1	276.3	272.3
125°	273.6	261.9	254.1	249.4	247.1	246.5	247.5	249.8	252.5	252.9	247.6
127.5°	248.9	239.0	233.9	230.7	228.9	228.3	229.0	229.8	230.1	228.7	222.8
130°	228.0	217.7	213.6	211.8	210.6	210.0	209.8	208.9	207.1	203.8	197.9
132.5°	213.9	206.7	200.9	196.6	193.3	191.1	189.6	186.8	183.3	178.7	172.6
135°	202.7	195.9	191.1	187.2	183.9	181.0	176.8	171.4	165.0	157.9	150.5
137.5°	190.8	185.5	180.8	177.5	174.6	171.9	167.5	162.2	156.0	148.7	141.3
140°	179.3	174.4	170.8	167.5	165.2	162.2	158.3	152.7	146.5	139.2	131.9
142.5°	167.4	163.5	160.1	158.0	156.1	152.7	148.7	143.1	136.6	129.5	122.3
145°	155.6	152.3	150.1	148.4	146.2	143.5	138.7	133.7	126.5	119.6	112.5
147.5°	143.7	141.8	140.4	138.8	136.8	133.3	128.5	122.7	116.1	109.4	102.5
150°	132.9	131.9	130.8	129.4	127.1	122.7	118.0	111.7	105.8	98.9	92.4
152.5°	123.0	122.3	121.4	119.8	115.9	111.9	106.4	100.4	94.4	88.2	81.7
155°	115.7	114.2	112.0	108.2	104.6	99.8	94.4	88.8	83.1	77.3	70.8
157.5°	108.0	105.2	101.8	98.3	93.7	88.7	83.5	78.1	72.5	66.6	60.1
160°	97.2	94.4	91.2	87.2	82.9	78.5	73.9	69.1	64.2	58.6	52.9
162.5°	86.2	82.7	79.4	76.0	72.3	68.4	64.3	60.2	55.5	50.7	45.7
165°	73.3	70.7	68.3	64.8	61.6	58.2	54.8	50.9	46.9	42.9	38.7
167.5°	60.9	58.5	56.1	53.5	50.9	48.0	44.9	41.7	38.5	35.1	32.2
170°	48.2	46.3	44.5	42.2	40.0	37.6	35.2	32.7	30.1	28.0	25.9
172.5°	35.4	33.9	32.4	30.8	29.2	27.4	25.6	24.1	22.6	21.1	19.5
175°	22.7	21.7	20.7	19.9	19.0	18.1	17.1	16.1	15.1	14.1	13.0
177.5°	11.2	10.8	10.4	10.0	9.5	9.1	8.6	8.1	7.6	7.1	6.5
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.0	5.4	4.9	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0
5°	11.9	10.8	9.7	8.6	8.5	8.4	8.3	8.1	8.0	7.8	7.7
7.5°	17.9	16.2	14.5	12.8	12.7	12.4	12.2	12.0	11.7	11.4	11.1
10°	23.8	21.6	19.4	17.1	16.8	16.4	16.1	15.7	15.3	14.9	14.5
12.5°	29.6	26.9	24.2	21.4	20.9	20.4	19.8	19.2	18.7	18.3	17.9
15°	35.4	32.2	29.0	25.7	25.0	24.2	23.5	22.7	22.2	21.7	21.1
17.5°	41.2	37.5	33.7	29.9	29.0	28.0	27.0	26.2	25.6	24.9	24.3
20°	47.0	42.7	38.5	34.2	33.0	31.7	30.5	29.7	28.9	28.2	27.5
22.5°	53.4	47.9	43.2	38.5	37.0	35.4	34.1	33.1	32.2	31.4	30.7
25°	64.0	58.0	53.4	48.7	47.3	45.8	44.6	43.4	42.1	40.6	38.9
27.5°	74.7	68.0	63.5	58.8	57.8	56.6	55.9	55.0	53.7	52.1	49.9
30°	85.2	77.9	73.5	69.0	68.4	67.5	67.3	66.8	65.3	63.6	60.3
32.5°	95.4	88.1	83.5	79.1	79.0	78.8	79.0	78.6	77.0	74.3	70.2
35°	105.3	98.0	93.3	89.3	89.7	90.1	90.8	90.3	88.7	84.5	79.5
37.5°	115.0	107.9	103.0	99.4	100.5	101.6	102.9	102.1	100.4	94.3	88.0
40°	124.5	117.5	112.7	109.6	111.3	113.1	115.1	113.9	110.6	103.7	96.0
42.5°	133.8	127.0	122.3	119.7	122.2	124.8	127.3	125.7	120.6	112.9	103.4
45°	143.0	136.4	131.8	129.9	133.2	136.6	139.2	137.6	130.4	120.9	110.5
47.5°	163.5	154.3	146.2	140.7	140.9	142.1	142.8	140.8	132.7	123.5	113.7
50°	185.9	173.0	160.9	151.5	148.4	146.9	145.1	141.4	132.3	122.8	113.2
52.5°	208.9	192.2	175.9	162.3	155.6	151.3	147.3	141.5	132.0	122.4	113.3
55°	232.4	211.8	191.0	173.1	162.6	155.4	149.1	141.6	131.8	122.3	114.0
57.5°	256.3	231.7	206.4	183.8	169.4	159.2	150.8	141.8	131.8	122.5	115.1
60°	280.7	252.0	222.0	194.6	176.0	162.7	152.2	142.0	132.0	123.4	117.0
62.5°	305.4	272.5	237.7	205.4	182.4	166.0	153.5	142.3	132.4	124.6	119.8
65°	330.3	293.3	253.6	216.2	188.8	169.1	154.6	142.7	133.0	126.2	123.1
67.5°	355.5	314.2	269.6	227.0	195.0	172.0	155.6	143.2	133.8	128.1	126.9
70°	358.4	314.7	268.8	225.8	193.4	170.4	154.3	142.1	133.1	128.1	128.2
72.5°	359.5	314.4	267.9	224.7	191.9	168.9	152.8	140.9	132.1	127.3	127.7
75°	360.4	313.9	268.4	223.5	190.4	167.4	151.5	139.8	131.1	126.6	127.1
77.5°	361.0	313.2	266.8	222.3	188.9	166.1	150.2	138.9	130.2	125.9	126.5
80°	361.5	313.8	265.2	221.2	187.6	164.8	149.0	138.0	129.4	125.3	125.7
82.5°	363.1	312.1	263.6	220.0	186.3	163.7	148.0	137.3	128.7	124.6	124.9
85°	362.3	310.3	262.0	218.8	185.1	162.6	147.0	136.6	128.0	124.1	124.0
87.5°	361.6	308.6	260.4	217.7	183.9	161.6	146.1	136.1	127.5	123.6	123.1
90°	360.8	306.9	258.8	216.5	182.8	160.7	145.3	135.6	127.0	123.1	122.2
92.5°	361.6	308.6	260.4	217.7	183.9	161.6	146.1	136.1	127.5	123.6	123.1
95°	362.3	310.3	262.0	218.8	185.1	162.6	147.0	136.6	128.0	124.1	124.0
97.5°	363.1	312.1	263.6	220.0	186.3	163.7	148.0	137.3	128.7	124.6	124.9
100°	361.5	313.8	265.2	221.2	187.6	164.8	149.0	138.0	129.4	125.3	125.7
102.5°	361.0	313.2	266.8	222.3	188.9	166.1	150.2	138.9	130.2	125.9	126.5
105°	360.4	313.9	268.4	223.5	190.4	167.4	151.5	139.8	131.1	126.6	127.1
107.5°	359.5	314.4	267.9	224.7	191.9	168.9	152.8	140.9	132.1	127.3	127.7
110°	358.4	314.7	268.8	225.8	193.4	170.4	154.3	142.1	133.1	128.1	128.2



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	355.5	314.2	269.6	227.0	195.0	172.0	155.6	143.2	133.8	128.1	126.9
115°	330.3	293.3	253.6	216.2	188.8	169.1	154.6	142.7	133.0	126.2	123.1
117.5°	305.4	272.5	237.7	205.4	182.4	166.0	153.5	142.3	132.4	124.6	119.8
120°	280.7	252.0	222.0	194.6	176.0	162.7	152.2	142.0	132.0	123.4	117.0
122.5°	256.3	231.7	206.4	183.8	169.4	159.2	150.8	141.8	131.8	122.5	115.1
125°	232.4	211.8	191.0	173.1	162.6	155.4	149.1	141.6	131.8	122.3	114.0
127.5°	208.9	192.2	175.9	162.3	155.6	151.3	147.3	141.5	132.0	122.4	113.3
130°	185.9	173.0	160.9	151.5	148.4	146.9	145.1	141.4	132.3	122.8	113.2
132.5°	163.5	154.3	146.2	140.7	140.9	142.1	142.8	140.8	132.7	123.5	113.7
135°	143.0	136.4	131.8	129.9	133.2	136.6	139.2	137.6	130.4	120.9	110.5
137.5°	133.8	127.0	122.3	119.7	122.2	124.8	127.3	125.7	120.6	112.9	103.4
140°	124.5	117.5	112.7	109.6	111.3	113.1	115.1	113.9	110.6	103.7	96.0
142.5°	115.0	107.9	103.0	99.4	100.5	101.6	102.9	102.1	100.4	94.3	88.0
145°	105.3	98.0	93.3	89.3	89.7	90.1	90.8	90.3	88.7	84.5	79.5
147.5°	95.4	88.1	83.5	79.1	79.0	78.8	79.0	78.6	77.0	74.3	70.2
150°	85.2	77.9	73.5	69.0	68.4	67.5	67.3	66.8	65.3	63.6	60.3
152.5°	74.7	68.0	63.5	58.8	57.8	56.6	55.9	55.0	53.7	52.1	49.9
155°	64.0	58.0	53.4	48.7	47.3	45.8	44.6	43.4	42.1	40.6	38.9
157.5°	53.4	47.9	43.2	38.5	37.0	35.4	34.1	33.1	32.2	31.4	30.7
160°	47.0	42.7	38.5	34.2	33.0	31.7	30.5	29.7	28.9	28.2	27.5
162.5°	41.2	37.5	33.7	29.9	29.0	28.0	27.0	26.2	25.6	24.9	24.3
165°	35.4	32.2	29.0	25.7	25.0	24.2	23.5	22.7	22.2	21.7	21.1
167.5°	29.6	26.9	24.2	21.4	20.9	20.4	19.8	19.2	18.7	18.3	17.9
170°	23.8	21.6	19.4	17.1	16.8	16.4	16.1	15.7	15.3	14.9	14.5
172.5°	17.9	16.2	14.5	12.8	12.7	12.4	12.2	12.0	11.7	11.4	11.1
175°	11.9	10.8	9.7	8.6	8.5	8.4	8.3	8.1	8.0	7.8	7.7
177.5°	6.0	5.4	4.9	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8
5°	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8	5.6	5.3
7.5°	10.8	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.4	8.1	7.7
10°	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.5	10.1
12.5°	17.4	16.9	16.5	16.0	15.6	15.1	14.6	14.1	13.5	12.9	12.4
15°	20.5	20.0	19.5	19.0	18.4	17.8	17.2	16.6	16.0	15.3	14.5
17.5°	23.7	23.1	22.5	21.9	21.2	20.6	19.8	19.0	18.1	17.2	16.2
20°	26.9	26.2	25.5	24.8	24.0	23.0	22.0	21.0	19.9	18.8	17.8
22.5°	30.0	29.2	28.4	27.5	26.3	25.1	24.0	22.7	21.5	20.3	19.3
25°	36.8	34.6	32.3	29.8	28.5	27.1	25.7	24.3	23.3	22.2	21.1
27.5°	47.2	44.3	41.0	37.8	34.6	31.5	28.7	26.4	25.2	23.8	22.3
30°	56.9	52.9	48.9	45.0	41.1	37.7	34.8	31.8	28.7	25.7	23.5
32.5°	65.6	60.8	56.0	51.3	47.1	43.4	39.8	36.2	32.8	29.8	27.0
35°	73.7	67.9	62.2	57.0	52.6	48.2	44.0	40.1	36.6	33.4	30.8
37.5°	81.2	74.4	67.8	62.4	57.3	52.3	47.7	43.6	39.9	36.9	33.9
40°	88.0	80.2	73.3	67.2	61.4	55.9	51.0	46.7	43.1	39.6	36.2
42.5°	94.4	85.4	78.3	71.5	65.0	59.2	54.0	49.7	45.6	41.8	38.4
45°	100.2	90.8	82.8	75.3	68.4	62.1	56.9	52.2	47.8	43.8	40.1
47.5°	103.9	95.5	87.0	78.8	71.5	65.0	59.4	54.4	49.7	45.4	41.5
50°	104.1	96.9	89.8	82.5	75.0	67.8	61.7	56.3	51.2	46.7	42.6
52.5°	105.5	99.3	93.4	87.3	80.7	73.6	66.4	59.2	52.6	47.8	43.4
55°	107.7	102.9	98.2	93.3	86.9	79.6	71.9	64.1	57.0	50.3	44.2
57.5°	110.7	107.3	104.1	100.0	93.7	85.6	77.1	68.7	61.0	53.5	47.4
60°	114.3	112.7	110.9	106.9	100.1	91.4	81.9	73.1	64.4	56.7	50.1
62.5°	118.6	118.7	118.5	114.2	106.5	96.9	86.7	77.0	67.3	59.7	52.3
65°	123.7	125.5	126.9	121.9	112.9	102.1	91.2	80.4	70.5	62.4	54.4
67.5°	129.4	132.9	134.4	129.4	119.5	107.3	95.6	83.6	73.7	64.9	56.7
70°	132.1	137.5	140.1	135.8	125.4	112.5	99.8	86.5	76.8	67.3	59.2
72.5°	131.4	136.8	138.9	134.8	125.9	114.4	101.9	89.3	79.7	69.8	61.6
75°	130.5	135.9	138.0	134.6	126.4	115.2	102.4	90.1	79.7	70.5	62.7
77.5°	129.4	135.0	137.5	135.1	127.6	116.4	103.4	90.9	80.0	70.7	62.8
80°	128.2	134.0	137.1	136.0	129.3	118.0	104.8	91.8	80.5	71.2	63.2
82.5°	126.8	132.9	137.0	137.3	131.4	120.0	106.6	92.9	81.2	71.9	63.9
85°	125.3	131.7	136.9	138.9	133.8	122.3	108.8	94.2	82.3	73.0	65.1
87.5°	123.8	130.3	136.8	140.7	136.6	125.0	111.4	95.9	83.7	74.3	66.5
90°	122.2	128.9	136.6	142.4	139.5	128.0	114.5	98.1	85.6	76.0	68.3
92.5°	123.8	130.3	136.8	140.7	136.6	125.0	111.4	95.9	83.7	74.3	66.5
95°	125.3	131.7	136.9	138.9	133.8	122.3	108.8	94.2	82.3	73.0	65.1
97.5°	126.8	132.9	137.0	137.3	131.4	120.0	106.6	92.9	81.2	71.9	63.9
100°	128.2	134.0	137.1	136.0	129.3	118.0	104.8	91.8	80.5	71.2	63.2
102.5°	129.4	135.0	137.5	135.1	127.6	116.4	103.4	90.9	80.0	70.7	62.8
105°	130.5	135.9	138.0	134.6	126.4	115.2	102.4	90.1	79.7	70.5	62.7
107.5°	131.4	136.8	138.9	134.8	125.9	114.4	101.9	89.3	79.7	69.8	61.6
110°	132.1	137.5	140.1	135.8	125.4	112.5	99.8	86.5	76.8	67.3	59.2



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	129.4	132.9	134.4	129.4	119.5	107.3	95.6	83.6	73.7	64.9	56.7
115°	123.7	125.5	126.9	121.9	112.9	102.1	91.2	80.4	70.5	62.4	54.4
117.5°	118.6	118.7	118.5	114.2	106.5	96.9	86.7	77.0	67.3	59.7	52.3
120°	114.3	112.7	110.9	106.9	100.1	91.4	81.9	73.1	64.4	56.7	50.1
122.5°	110.7	107.3	104.1	100.0	93.7	85.6	77.1	68.7	61.0	53.5	47.4
125°	107.7	102.9	98.2	93.3	86.9	79.6	71.9	64.1	57.0	50.3	44.2
127.5°	105.5	99.3	93.4	87.3	80.7	73.6	66.4	59.2	52.6	47.8	43.4
130°	104.1	96.9	89.8	82.5	75.0	67.8	61.7	56.3	51.2	46.7	42.6
132.5°	103.9	95.5	87.0	78.8	71.5	65.0	59.4	54.4	49.7	45.4	41.5
135°	100.2	90.8	82.8	75.3	68.4	62.1	56.9	52.2	47.8	43.8	40.1
137.5°	94.4	85.4	78.3	71.5	65.0	59.2	54.0	49.7	45.6	41.8	38.4
140°	88.0	80.2	73.3	67.2	61.4	55.9	51.0	46.7	43.1	39.6	36.2
142.5°	81.2	74.4	67.8	62.4	57.3	52.3	47.7	43.6	39.9	36.9	33.9
145°	73.7	67.9	62.2	57.0	52.6	48.2	44.0	40.1	36.6	33.4	30.8
147.5°	65.6	60.8	56.0	51.3	47.1	43.4	39.8	36.2	32.8	29.8	27.0
150°	56.9	52.9	48.9	45.0	41.1	37.7	34.8	31.8	28.7	25.7	23.5
152.5°	47.2	44.3	41.0	37.8	34.6	31.5	28.7	26.4	25.2	23.8	22.3
155°	36.8	34.6	32.3	29.8	28.5	27.1	25.7	24.3	23.3	22.2	21.1
157.5°	30.0	29.2	28.4	27.5	26.3	25.1	24.0	22.7	21.5	20.3	19.3
160°	26.9	26.2	25.5	24.8	24.0	23.0	22.0	21.0	19.9	18.8	17.8
162.5°	23.7	23.1	22.5	21.9	21.2	20.6	19.8	19.0	18.1	17.2	16.2
165°	20.5	20.0	19.5	19.0	18.4	17.8	17.2	16.6	16.0	15.3	14.5
167.5°	17.4	16.9	16.5	16.0	15.6	15.1	14.6	14.1	13.5	12.9	12.4
170°	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.5	10.1
172.5°	10.8	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.4	8.1	7.7
175°	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8	5.6	5.3
177.5°	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.8
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.7	2.5	2.4	2.3	2.1	2.0	1.8	1.6	1.5	1.3	1.2
5°	5.1	4.8	4.5	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.2
7.5°	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.5	4.1	3.7	3.2
10°	9.6	9.1	8.6	8.1	7.5	7.0	6.5	5.9	5.3	4.8	4.2
12.5°	11.8	11.2	10.5	9.9	9.2	8.5	7.8	7.1	6.4	5.7	5.0
15°	13.7	12.9	12.1	11.3	10.5	9.7	8.9	8.1	7.2	6.4	5.6
17.5°	15.3	14.4	13.5	12.5	11.6	10.7	9.8	9.0	8.1	7.2	6.3
20°	16.7	15.7	14.8	13.9	12.9	12.0	11.0	9.9	8.9	7.9	6.9
22.5°	18.3	17.3	16.3	15.1	13.9	12.8	11.7	10.6	9.5	8.5	7.4
25°	19.8	18.5	17.2	16.0	14.8	13.7	12.6	11.4	10.4	9.3	8.2
27.5°	20.8	19.6	18.4	17.1	16.0	15.0	13.9	12.7	11.5	10.2	9.0
30°	22.2	20.9	19.9	18.8	17.7	16.3	15.0	13.6	12.2	11.0	9.7
32.5°	24.7	22.9	21.7	20.2	18.7	17.4	16.1	14.8	13.5	12.0	10.5
35°	28.4	25.8	23.3	21.5	20.3	19.0	17.4	15.8	14.3	12.7	11.2
37.5°	31.0	28.2	26.0	23.9	21.7	20.0	18.4	16.9	15.4	13.9	12.1
40°	33.3	30.7	28.1	25.6	23.3	21.5	20.0	18.2	16.3	14.5	12.6
42.5°	35.3	32.3	29.5	27.2	25.1	23.0	20.9	18.9	17.0	15.0	13.1
45°	36.8	33.6	30.9	28.4	26.0	23.7	21.5	19.6	17.9	16.1	14.3
47.5°	37.9	34.7	31.8	29.1	26.4	23.9	22.0	20.5	19.0	16.5	14.2
50°	38.8	35.5	32.4	29.2	26.4	24.3	22.4	20.2	18.2	16.7	14.5
52.5°	39.5	36.0	32.3	29.1	26.6	24.1	21.6	19.7	18.1	16.4	14.3
55°	40.0	35.8	32.0	29.0	26.0	23.3	21.2	19.3	17.4	15.6	14.2
57.5°	41.5	35.6	31.7	28.3	25.3	22.9	20.8	18.8	16.9	15.2	13.5
60°	43.4	37.7	32.4	27.6	24.8	22.6	20.5	18.3	16.3	14.4	12.5
62.5°	45.6	39.6	33.9	29.3	25.2	22.4	19.8	17.7	15.7	13.7	11.8
65°	47.7	41.3	35.8	31.0	26.9	22.7	19.4	17.3	15.2	13.4	11.8
67.5°	49.7	43.0	37.6	32.6	27.9	23.7	20.3	17.2	15.3	13.5	10.9
70°	51.7	45.1	39.3	33.8	28.7	24.7	21.2	18.2	15.7	12.6	10.2
72.5°	53.6	47.2	40.8	34.9	29.8	25.7	22.0	18.8	15.3	12.3	9.8
75°	55.3	49.3	42.2	36.0	30.9	26.7	22.6	18.8	15.2	12.1	8.7
77.5°	55.7	49.4	42.8	37.0	32.1	27.7	22.9	18.8	15.2	10.9	7.6
80°	56.4	49.7	43.4	37.6	32.5	27.7	23.1	19.1	14.8	9.7	6.5
82.5°	57.2	50.5	44.3	38.4	33.0	27.6	22.9	18.7	13.7	8.9	5.1
85°	58.4	51.5	45.5	39.3	33.6	27.7	23.0	18.5	13.0	8.4	4.5
87.5°	59.8	53.0	47.1	40.6	34.4	28.1	23.4	18.7	13.0	8.3	4.4
90°	61.6	54.8	49.1	42.3	35.6	28.9	24.1	19.2	13.5	8.7	4.8
92.5°	59.8	53.0	47.1	40.6	34.4	28.1	23.4	18.7	13.0	8.3	4.4
95°	58.4	51.5	45.5	39.3	33.6	27.7	23.0	18.5	13.0	8.4	4.5
97.5°	57.2	50.5	44.3	38.4	33.0	27.6	22.9	18.7	13.7	8.9	5.1
100°	56.4	49.7	43.4	37.6	32.5	27.7	23.1	19.1	14.8	9.7	6.5
102.5°	55.7	49.4	42.8	37.0	32.1	27.7	22.9	18.8	15.2	10.9	7.6
105°	55.3	49.3	42.2	36.0	30.9	26.7	22.6	18.8	15.2	12.1	8.7
107.5°	53.6	47.2	40.8	34.9	29.8	25.7	22.0	18.8	15.3	12.3	9.8
110°	51.7	45.1	39.3	33.8	28.7	24.7	21.2	18.2	15.7	12.6	10.2



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	49.7	43.0	37.6	32.6	27.9	23.7	20.3	17.2	15.3	13.5	10.9
115°	47.7	41.3	35.8	31.0	26.9	22.7	19.4	17.3	15.2	13.4	11.8
117.5°	45.6	39.6	33.9	29.3	25.2	22.4	19.8	17.7	15.7	13.7	11.8
120°	43.4	37.7	32.4	27.6	24.8	22.6	20.5	18.3	16.3	14.4	12.5
122.5°	41.5	35.6	31.7	28.3	25.3	22.9	20.8	18.8	16.9	15.2	13.5
125°	40.0	35.8	32.0	29.0	26.0	23.3	21.2	19.3	17.4	15.6	14.2
127.5°	39.5	36.0	32.3	29.1	26.6	24.1	21.6	19.7	18.1	16.4	14.3
130°	38.8	35.5	32.4	29.2	26.4	24.3	22.4	20.2	18.2	16.7	14.5
132.5°	37.9	34.7	31.8	29.1	26.4	23.9	22.0	20.5	19.0	16.5	14.2
135°	36.8	33.6	30.9	28.4	26.0	23.7	21.5	19.6	17.9	16.1	14.3
137.5°	35.3	32.3	29.5	27.2	25.1	23.0	20.9	18.9	17.0	15.0	13.1
140°	33.3	30.7	28.1	25.6	23.3	21.5	20.0	18.2	16.3	14.5	12.6
142.5°	31.0	28.2	26.0	23.9	21.7	20.0	18.4	16.9	15.4	13.9	12.1
145°	28.4	25.8	23.3	21.5	20.3	19.0	17.4	15.8	14.3	12.7	11.2
147.5°	24.7	22.9	21.7	20.2	18.7	17.4	16.1	14.8	13.5	12.0	10.5
150°	22.2	20.9	19.9	18.8	17.7	16.3	15.0	13.6	12.2	11.0	9.7
152.5°	20.8	19.6	18.4	17.1	16.0	15.0	13.9	12.7	11.5	10.2	9.0
155°	19.8	18.5	17.2	16.0	14.8	13.7	12.6	11.4	10.4	9.3	8.2
157.5°	18.3	17.3	16.3	15.1	13.9	12.8	11.7	10.6	9.5	8.5	7.4
160°	16.7	15.7	14.8	13.9	12.9	12.0	11.0	9.9	8.9	7.9	6.9
162.5°	15.3	14.4	13.5	12.5	11.6	10.7	9.8	9.0	8.1	7.2	6.3
165°	13.7	12.9	12.1	11.3	10.5	9.7	8.9	8.1	7.2	6.4	5.6
167.5°	11.8	11.2	10.5	9.9	9.2	8.5	7.8	7.1	6.4	5.7	5.0
170°	9.6	9.1	8.6	8.1	7.5	7.0	6.5	5.9	5.3	4.8	4.2
172.5°	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.5	4.1	3.7	3.2
175°	5.1	4.8	4.5	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.2
177.5°	2.7	2.5	2.4	2.3	2.1	2.0	1.8	1.6	1.5	1.3	1.2
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
5°	1.9	1.6	1.3	1.0	0.6	0.3	0.0	0.3	0.6	1.0	1.3
7.5°	2.8	2.3	1.8	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.8
10°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
12.5°	4.3	3.6	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
15°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
17.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
20°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
22.5°	6.4	5.3	4.3	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.3
25°	7.1	5.9	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
27.5°	7.7	6.4	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
30°	8.3	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
32.5°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
35°	9.7	8.1	6.5	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.5
37.5°	10.4	8.6	6.9	5.2	3.4	1.7	0.0	1.7	3.4	5.2	6.9
40°	10.8	9.0	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
42.5°	11.4	9.6	7.7	5.8	3.9	2.0	0.0	2.0	3.9	5.8	7.7
45°	12.1	9.9	7.9	5.8	3.9	1.9	0.0	1.9	3.9	5.8	7.9
47.5°	12.0	10.0	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0
50°	12.4	10.1	7.9	5.8	3.8	1.9	0.0	1.9	3.8	5.8	7.9
52.5°	11.9	9.9	7.9	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.9
55°	12.2	9.9	7.7	5.7	3.7	1.8	0.0	1.8	3.7	5.7	7.7
57.5°	11.7	9.3	7.2	5.2	3.4	1.7	0.0	1.7	3.4	5.2	7.2
60°	10.6	8.7	6.9	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.9
62.5°	10.3	8.7	6.6	4.7	3.0	1.4	0.0	1.4	3.0	4.7	6.6
65°	9.7	7.5	5.6	3.9	2.4	1.2	0.0	1.2	2.4	3.9	5.6
67.5°	8.6	6.6	4.7	3.3	2.1	1.0	0.0	1.0	2.1	3.3	4.7
70°	8.0	5.9	4.1	2.6	1.7	1.3	1.0	1.3	1.7	2.6	4.1
72.5°	7.1	5.0	3.1	1.9	1.6	1.3	1.0	1.3	1.6	1.9	3.1
75°	6.5	4.3	2.6	1.7	1.2	1.0	1.0	1.0	1.2	1.7	2.6
77.5°	5.3	3.0	1.6	0.8	0.4	0.1	0.0	0.1	0.4	0.8	1.6
80°	3.5	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
82.5°	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.5	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
102.5°	5.3	3.0	1.6	0.8	0.4	0.1	0.0	0.1	0.4	0.8	1.6
105°	6.5	4.3	2.6	1.7	1.2	1.0	1.0	1.0	1.2	1.7	2.6
107.5°	7.1	5.0	3.1	1.9	1.6	1.3	1.0	1.3	1.6	1.9	3.1
110°	8.0	5.9	4.1	2.6	1.7	1.3	1.0	1.3	1.7	2.6	4.1



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	8.6	6.6	4.7	3.3	2.1	1.0	0.0	1.0	2.1	3.3	4.7
115°	9.7	7.5	5.6	3.9	2.4	1.2	0.0	1.2	2.4	3.9	5.6
117.5°	10.3	8.7	6.6	4.7	3.0	1.4	0.0	1.4	3.0	4.7	6.6
120°	10.6	8.7	6.9	5.1	3.4	1.7	0.0	1.7	3.4	5.1	6.9
122.5°	11.7	9.3	7.2	5.2	3.4	1.7	0.0	1.7	3.4	5.2	7.2
125°	12.2	9.9	7.7	5.7	3.7	1.8	0.0	1.8	3.7	5.7	7.7
127.5°	11.9	9.9	7.9	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.9
130°	12.4	10.1	7.9	5.8	3.8	1.9	0.0	1.9	3.8	5.8	7.9
132.5°	12.0	10.0	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0
135°	12.1	9.9	7.9	5.8	3.9	1.9	0.0	1.9	3.9	5.8	7.9
137.5°	11.4	9.6	7.7	5.8	3.9	2.0	0.0	2.0	3.9	5.8	7.7
140°	10.8	9.0	7.2	5.4	3.6	1.8	0.0	1.8	3.6	5.4	7.2
142.5°	10.4	8.6	6.9	5.2	3.4	1.7	0.0	1.7	3.4	5.2	6.9
145°	9.7	8.1	6.5	4.9	3.3	1.6	0.0	1.6	3.3	4.9	6.5
147.5°	9.0	7.5	6.0	4.5	3.0	1.5	0.0	1.5	3.0	4.5	6.0
150°	8.3	7.0	5.6	4.2	2.8	1.4	0.0	1.4	2.8	4.2	5.6
152.5°	7.7	6.4	5.1	3.8	2.6	1.3	0.0	1.3	2.6	3.8	5.1
155°	7.1	5.9	4.8	3.6	2.4	1.2	0.0	1.2	2.4	3.6	4.8
157.5°	6.4	5.3	4.3	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.3
160°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9
162.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.9	1.8	2.7	3.6
165°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.8	1.6	2.4	3.2
167.5°	4.3	3.6	2.8	2.1	1.4	0.7	0.0	0.7	1.4	2.1	2.8
170°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.6	1.2	1.8	2.4
172.5°	2.8	2.3	1.8	1.4	0.9	0.5	0.0	0.5	0.9	1.4	1.8
175°	1.9	1.6	1.3	1.0	0.6	0.3	0.0	0.3	0.6	1.0	1.3
177.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0	0.2	0.3	0.5	0.7
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.8	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.3	2.4
5°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3	4.5
7.5°	2.3	2.8	3.2	3.7	4.1	4.5	5.0	5.4	5.8	6.2	6.6
10°	3.0	3.6	4.2	4.8	5.3	5.9	6.5	7.0	7.5	8.1	8.6
12.5°	3.6	4.3	5.0	5.7	6.4	7.1	7.8	8.5	9.2	9.9	10.5
15°	4.0	4.8	5.6	6.4	7.2	8.1	8.9	9.7	10.5	11.3	12.1
17.5°	4.5	5.4	6.3	7.2	8.1	9.0	9.8	10.7	11.6	12.5	13.5
20°	4.9	5.9	6.9	7.9	8.9	9.9	11.0	12.0	12.9	13.9	14.8
22.5°	5.3	6.4	7.4	8.5	9.5	10.6	11.7	12.8	13.9	15.1	16.3
25°	5.9	7.1	8.2	9.3	10.4	11.4	12.6	13.7	14.8	16.0	17.2
27.5°	6.4	7.7	9.0	10.2	11.5	12.7	13.9	15.0	16.0	17.1	18.4
30°	7.0	8.3	9.7	11.0	12.2	13.6	15.0	16.3	17.7	18.8	19.9
32.5°	7.5	9.0	10.5	12.0	13.5	14.8	16.1	17.4	18.7	20.2	21.7
35°	8.1	9.7	11.2	12.7	14.3	15.8	17.4	19.0	20.3	21.5	23.3
37.5°	8.6	10.4	12.1	13.9	15.4	16.9	18.4	20.0	21.7	23.9	26.0
40°	9.0	10.8	12.6	14.5	16.3	18.2	20.0	21.5	23.3	25.6	28.1
42.5°	9.6	11.4	13.1	15.0	17.0	18.9	20.9	23.0	25.1	27.2	29.5
45°	9.9	12.1	14.3	16.1	17.9	19.6	21.5	23.7	26.0	28.4	30.9
47.5°	10.0	12.0	14.2	16.5	19.0	20.5	22.0	23.9	26.4	29.1	31.8
50°	10.1	12.4	14.5	16.7	18.2	20.2	22.4	24.3	26.4	29.2	32.4
52.5°	9.9	11.9	14.3	16.4	18.1	19.7	21.6	24.1	26.6	29.1	32.3
55°	9.9	12.2	14.2	15.6	17.4	19.3	21.2	23.3	26.0	29.0	32.0
57.5°	9.3	11.7	13.5	15.2	16.9	18.8	20.8	22.9	25.3	28.3	31.7
60°	8.7	10.6	12.5	14.4	16.3	18.3	20.5	22.6	24.8	27.6	32.4
62.5°	8.7	10.3	11.8	13.7	15.7	17.7	19.8	22.4	25.2	29.3	33.9
65°	7.5	9.7	11.8	13.4	15.2	17.3	19.4	22.7	26.9	31.0	35.8
67.5°	6.6	8.6	10.9	13.5	15.3	17.2	20.3	23.7	27.9	32.6	37.6
70°	5.9	8.0	10.2	12.6	15.7	18.2	21.2	24.7	28.7	33.8	39.3
72.5°	5.0	7.1	9.8	12.3	15.3	18.8	22.0	25.7	29.8	34.9	40.8
75°	4.3	6.5	8.7	12.1	15.2	18.8	22.6	26.7	30.9	36.0	42.2
77.5°	3.0	5.3	7.6	10.9	15.2	18.8	22.9	27.7	32.1	37.0	42.8
80°	1.7	3.5	6.5	9.7	14.8	19.1	23.1	27.7	32.5	37.6	43.4
82.5°	0.8	2.3	5.1	8.9	13.7	18.7	22.9	27.6	33.0	38.4	44.3
85°	0.4	1.7	4.5	8.4	13.0	18.5	23.0	27.7	33.6	39.3	45.5
87.5°	0.1	1.2	4.4	8.3	13.0	18.7	23.4	28.1	34.4	40.6	47.1
90°	0.0	1.0	4.8	8.7	13.5	19.2	24.1	28.9	35.6	42.3	49.1
92.5°	0.1	1.2	4.4	8.3	13.0	18.7	23.4	28.1	34.4	40.6	47.1
95°	0.4	1.7	4.5	8.4	13.0	18.5	23.0	27.7	33.6	39.3	45.5
97.5°	0.8	2.3	5.1	8.9	13.7	18.7	22.9	27.6	33.0	38.4	44.3
100°	1.7	3.5	6.5	9.7	14.8	19.1	23.1	27.7	32.5	37.6	43.4
102.5°	3.0	5.3	7.6	10.9	15.2	18.8	22.9	27.7	32.1	37.0	42.8
105°	4.3	6.5	8.7	12.1	15.2	18.8	22.6	26.7	30.9	36.0	42.2
107.5°	5.0	7.1	9.8	12.3	15.3	18.8	22.0	25.7	29.8	34.9	40.8
110°	5.9	8.0	10.2	12.6	15.7	18.2	21.2	24.7	28.7	33.8	39.3



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	6.6	8.6	10.9	13.5	15.3	17.2	20.3	23.7	27.9	32.6	37.6
115°	7.5	9.7	11.8	13.4	15.2	17.3	19.4	22.7	26.9	31.0	35.8
117.5°	8.7	10.3	11.8	13.7	15.7	17.7	19.8	22.4	25.2	29.3	33.9
120°	8.7	10.6	12.5	14.4	16.3	18.2	20.5	22.6	24.8	27.6	32.4
122.5°	9.3	11.7	13.5	15.2	16.9	18.8	20.8	22.9	25.3	28.3	31.7
125°	9.9	12.2	14.2	15.6	17.4	19.3	21.2	23.3	26.0	29.0	32.0
127.5°	9.9	11.9	14.3	16.4	18.1	19.7	21.6	24.1	26.6	29.1	32.3
130°	10.1	12.4	14.5	16.7	18.2	20.2	22.4	24.3	26.4	29.2	32.4
132.5°	10.0	12.0	14.2	16.5	19.0	20.5	22.0	23.9	26.4	29.1	31.8
135°	9.9	12.1	14.3	16.1	17.9	19.6	21.5	23.7	26.0	28.4	30.9
137.5°	9.6	11.4	13.1	15.0	17.0	18.9	20.9	23.0	25.1	27.2	29.5
140°	9.0	10.8	12.6	14.5	16.3	18.2	20.0	21.5	23.3	25.6	28.1
142.5°	8.6	10.4	12.1	13.9	15.4	16.9	18.4	20.0	21.7	23.9	26.0
145°	8.1	9.7	11.2	12.7	14.3	15.8	17.4	19.0	20.3	21.5	23.3
147.5°	7.5	9.0	10.5	12.0	13.5	14.8	16.1	17.4	18.7	20.2	21.7
150°	7.0	8.3	9.7	11.0	12.2	13.6	15.0	16.3	17.7	18.8	19.9
152.5°	6.4	7.7	9.0	10.2	11.5	12.7	13.9	15.0	16.0	17.1	18.4
155°	5.9	7.1	8.2	9.3	10.4	11.4	12.6	13.7	14.8	16.0	17.2
157.5°	5.3	6.4	7.4	8.5	9.5	10.6	11.7	12.8	13.9	15.1	16.3
160°	4.9	5.9	6.9	7.9	8.9	9.9	11.0	12.0	12.9	13.9	14.8
162.5°	4.5	5.4	6.3	7.2	8.1	9.0	9.8	10.7	11.6	12.5	13.5
165°	4.0	4.8	5.6	6.4	7.2	8.1	8.9	9.7	10.5	11.3	12.1
167.5°	3.6	4.3	5.0	5.7	6.4	7.1	7.8	8.5	9.2	9.9	10.5
170°	3.0	3.6	4.2	4.8	5.3	5.9	6.5	7.0	7.5	8.1	8.6
172.5°	2.3	2.8	3.2	3.7	4.1	4.5	5.0	5.4	5.8	6.2	6.6
175°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3	4.5
177.5°	0.8	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.3	2.4
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	2.5	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7
5°	4.8	5.1	5.3	5.6	5.8	6.0	6.3	6.5	6.7	6.9	7.1
7.5°	7.0	7.3	7.7	8.1	8.4	8.8	9.1	9.4	9.7	10.0	10.3
10°	9.1	9.6	10.1	10.5	11.0	11.4	11.8	12.2	12.6	13.0	13.4
12.5°	11.2	11.8	12.4	12.9	13.5	14.1	14.6	15.1	15.6	16.0	16.5
15°	12.9	13.7	14.5	15.3	16.0	16.6	17.2	17.8	18.4	19.0	19.5
17.5°	14.4	15.3	16.2	17.2	18.1	19.0	19.8	20.6	21.2	21.9	22.5
20°	15.7	16.7	17.8	18.8	19.9	21.0	22.0	23.0	24.0	24.8	25.5
22.5°	17.3	18.3	19.3	20.3	21.5	22.7	24.0	25.1	26.3	27.5	28.4
25°	18.5	19.8	21.1	22.2	23.3	24.3	25.7	27.1	28.5	29.8	32.3
27.5°	19.6	20.8	22.3	23.8	25.2	26.4	28.7	31.5	34.6	37.8	41.0
30°	20.9	22.2	23.5	25.7	28.7	31.8	34.8	37.7	41.1	45.0	48.9
32.5°	22.9	24.7	27.0	29.8	32.8	36.2	39.8	43.4	47.1	51.3	56.0
35°	25.8	28.4	30.8	33.4	36.6	40.1	44.0	48.2	52.6	57.0	62.2
37.5°	28.2	31.0	33.9	36.9	39.9	43.6	47.7	52.3	57.3	62.4	67.8
40°	30.7	33.3	36.2	39.6	43.1	46.7	51.0	55.9	61.4	67.2	73.3
42.5°	32.3	35.3	38.4	41.8	45.6	49.7	54.0	59.2	65.0	71.5	78.3
45°	33.6	36.8	40.1	43.8	47.8	52.2	56.9	62.1	68.4	75.3	82.8
47.5°	34.7	37.9	41.5	45.4	49.7	54.4	59.4	65.0	71.5	78.8	87.0
50°	35.5	38.8	42.6	46.7	51.2	56.3	61.7	67.8	75.0	82.5	89.8
52.5°	36.0	39.5	43.4	47.8	52.6	59.2	66.4	73.6	80.7	87.3	93.4
55°	35.8	40.0	44.2	50.3	57.0	64.1	71.9	79.6	86.9	93.3	98.2
57.5°	35.6	41.5	47.4	53.5	61.0	68.7	77.1	85.6	93.7	100.0	104.1
60°	37.7	43.4	50.1	56.7	64.4	73.1	81.9	91.4	100.1	106.9	110.9
62.5°	39.6	45.6	52.3	59.7	67.3	77.0	86.7	96.9	106.5	114.2	118.5
65°	41.3	47.7	54.4	62.4	70.5	80.4	91.2	102.1	112.9	121.9	126.9
67.5°	43.0	49.7	56.7	64.9	73.7	83.6	95.6	107.3	119.5	129.4	134.4
70°	45.1	51.7	59.2	67.3	76.8	86.5	99.8	112.5	125.4	135.8	140.1
72.5°	47.2	53.6	61.6	69.8	79.7	89.3	101.9	114.4	125.9	134.8	138.9
75°	49.3	55.3	62.7	70.5	79.7	90.1	102.4	115.2	126.4	134.6	138.0
77.5°	49.4	55.7	62.8	70.7	80.0	90.9	103.4	116.4	127.6	135.1	137.5
80°	49.7	56.4	63.2	71.2	80.5	91.8	104.8	118.0	129.3	136.0	137.1
82.5°	50.5	57.2	63.9	71.9	81.2	92.9	106.6	120.0	131.4	137.3	137.0
85°	51.5	58.4	65.1	73.0	82.3	94.2	108.8	122.3	133.8	138.9	136.9
87.5°	53.0	59.8	66.5	74.3	83.7	95.9	111.4	125.0	136.6	140.7	136.8
90°	54.8	61.6	68.3	76.0	85.6	98.1	114.5	128.0	139.5	142.4	136.6
92.5°	53.0	59.8	66.5	74.3	83.7	95.9	111.4	125.0	136.6	140.7	136.8
95°	51.5	58.4	65.1	73.0	82.3	94.2	108.8	122.3	133.8	138.9	136.9
97.5°	50.5	57.2	63.9	71.9	81.2	92.9	106.6	120.0	131.4	137.3	137.0
100°	49.7	56.4	63.2	71.2	80.5	91.8	104.8	118.0	129.3	136.0	137.1
102.5°	49.4	55.7	62.8	70.7	80.0	90.9	103.4	116.4	127.6	135.1	137.5
105°	49.3	55.3	62.7	70.5	79.7	90.1	102.4	115.2	126.4	134.6	138.0
107.5°	47.2	53.6	61.6	69.8	79.7	89.3	101.9	114.4	125.9	134.8	138.9
110°	45.1	51.7	59.2	67.3	76.8	86.5	99.8	112.5	125.4	135.8	140.1



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	43.0	49.7	56.7	64.9	73.7	83.6	95.6	107.3	119.5	129.4	134.4
115°	41.3	47.7	54.4	62.4	70.5	80.4	91.2	102.1	112.9	121.9	126.9
117.5°	39.6	45.6	52.3	59.7	67.3	77.0	86.7	96.9	106.5	114.2	118.5
120°	37.7	43.4	50.1	56.7	64.4	73.1	81.9	91.4	100.1	106.9	110.9
122.5°	35.6	41.5	47.4	53.5	61.0	68.7	77.1	85.6	93.7	100.0	104.1
125°	35.8	40.0	44.2	50.3	57.0	64.1	71.9	79.6	86.9	93.3	98.2
127.5°	36.0	39.5	43.4	47.8	52.6	59.2	66.4	73.6	80.7	87.3	93.4
130°	35.5	38.8	42.6	46.7	51.2	56.3	61.7	67.8	75.0	82.5	89.8
132.5°	34.7	37.9	41.5	45.4	49.7	54.4	59.4	65.0	71.5	78.8	87.0
135°	33.6	36.8	40.1	43.8	47.8	52.2	56.9	62.1	68.4	75.3	82.8
137.5°	32.3	35.3	38.4	41.8	45.6	49.7	54.0	59.2	65.0	71.5	78.3
140°	30.7	33.3	36.2	39.6	43.1	46.7	51.0	55.9	61.4	67.2	73.3
142.5°	28.2	31.0	33.9	36.9	39.9	43.6	47.7	52.3	57.3	62.4	67.8
145°	25.8	28.4	30.8	33.4	36.6	40.1	44.0	48.2	52.6	57.0	62.2
147.5°	22.9	24.7	27.0	29.8	32.8	36.2	39.8	43.4	47.1	51.3	56.0
150°	20.9	22.2	23.5	25.7	28.7	31.8	34.8	37.7	41.1	45.0	48.9
152.5°	19.6	20.8	22.3	23.8	25.2	26.4	28.7	31.5	34.6	37.8	41.0
155°	18.5	19.8	21.1	22.2	23.3	24.3	25.7	27.1	28.5	29.8	32.3
157.5°	17.3	18.3	19.3	20.3	21.5	22.7	24.0	25.1	26.3	27.5	28.4
160°	15.7	16.7	17.8	18.8	19.9	21.0	22.0	23.0	24.0	24.8	25.5
162.5°	14.4	15.3	16.2	17.2	18.1	19.0	19.8	20.6	21.2	21.9	22.5
165°	12.9	13.7	14.5	15.3	16.0	16.6	17.2	17.8	18.4	19.0	19.5
167.5°	11.2	11.8	12.4	12.9	13.5	14.1	14.6	15.1	15.6	16.0	16.5
170°	9.1	9.6	10.1	10.5	11.0	11.4	11.8	12.2	12.6	13.0	13.4
172.5°	7.0	7.3	7.7	8.1	8.4	8.8	9.1	9.4	9.7	10.0	10.3
175°	4.8	5.1	5.3	5.6	5.8	6.0	6.3	6.5	6.7	6.9	7.1
177.5°	2.5	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.9
5°	7.3	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.6	9.7
7.5°	10.6	10.8	11.1	11.4	11.7	12.0	12.2	12.4	12.7	12.8	14.5
10°	13.8	14.2	14.5	14.9	15.3	15.7	16.1	16.4	16.8	17.1	19.4
12.5°	16.9	17.4	17.9	18.3	18.7	19.2	19.8	20.4	20.9	21.4	24.2
15°	20.0	20.5	21.1	21.7	22.2	22.7	23.5	24.2	25.0	25.7	29.0
17.5°	23.1	23.7	24.3	24.9	25.6	26.2	27.0	28.0	29.0	29.9	33.7
20°	26.2	26.9	27.5	28.2	28.9	29.7	30.5	31.7	33.0	34.2	38.5
22.5°	29.2	30.0	30.7	31.4	32.2	33.1	34.1	35.4	37.0	38.5	43.2
25°	34.6	36.8	38.9	40.6	42.1	43.4	44.6	45.8	47.3	48.7	53.4
27.5°	44.3	47.2	49.9	52.1	53.7	55.0	55.9	56.6	57.8	58.8	63.5
30°	52.9	56.9	60.3	63.6	65.3	66.8	67.3	67.5	68.4	69.0	73.5
32.5°	60.8	65.6	70.2	74.3	77.0	78.6	79.0	78.8	79.0	79.1	83.5
35°	67.9	73.7	79.5	84.5	88.7	90.3	90.8	90.1	89.7	89.3	93.3
37.5°	74.4	81.2	88.0	94.3	100.4	102.1	102.9	101.6	100.5	99.4	103.0
40°	80.2	88.0	96.0	103.7	110.6	113.9	115.1	113.1	111.3	109.6	112.7
42.5°	85.4	94.4	103.4	112.9	120.6	125.7	127.3	124.8	122.2	119.7	122.3
45°	90.8	100.2	110.5	120.9	130.4	137.6	139.2	136.6	133.2	129.9	131.8
47.5°	95.5	103.9	113.7	123.5	132.7	140.8	142.8	142.1	140.9	140.7	146.2
50°	96.9	104.1	113.2	122.8	132.3	141.4	145.1	146.9	148.4	151.5	160.9
52.5°	99.3	105.5	113.3	122.4	132.0	141.5	147.3	151.3	155.6	162.3	175.9
55°	102.9	107.7	114.0	122.3	131.8	141.6	149.1	155.4	162.6	173.1	191.0
57.5°	107.3	110.7	115.1	122.5	131.8	141.8	150.8	159.2	169.4	183.8	206.4
60°	112.7	114.3	117.0	123.4	132.0	142.0	152.2	162.7	176.0	194.6	222.0
62.5°	118.7	118.6	119.8	124.6	132.4	142.3	153.5	166.0	182.4	205.4	237.7
65°	125.5	123.7	123.1	126.2	133.0	142.7	154.6	169.1	188.8	216.2	253.6
67.5°	132.9	129.4	126.9	128.1	133.8	143.2	155.6	172.0	195.0	227.0	269.6
70°	137.5	132.1	128.2	128.1	133.1	142.1	154.3	170.4	193.4	225.8	268.8
72.5°	136.8	131.4	127.7	127.3	132.1	140.9	152.8	168.9	191.9	224.7	267.9
75°	135.9	130.5	127.1	126.6	131.1	139.8	151.5	167.4	190.4	223.5	268.4
77.5°	135.0	129.4	126.5	125.9	130.2	138.9	150.2	166.1	188.9	222.3	266.8
80°	134.0	128.2	125.7	125.3	129.4	138.0	149.0	164.8	187.6	221.2	265.2
82.5°	132.9	126.8	124.9	124.6	128.7	137.3	148.0	163.7	186.3	220.0	263.6
85°	131.7	125.3	124.0	124.1	128.0	136.6	147.0	162.6	185.1	218.8	262.0
87.5°	130.3	123.8	123.1	123.6	127.5	136.1	146.1	161.6	183.9	217.7	260.4
90°	128.9	122.2	122.2	123.1	127.0	135.6	145.3	160.7	182.8	216.5	258.8
92.5°	130.3	123.8	123.1	123.6	127.5	136.1	146.1	161.6	183.9	217.7	260.4
95°	131.7	125.3	124.0	124.1	128.0	136.6	147.0	162.6	185.1	218.8	262.0
97.5°	132.9	126.8	124.9	124.6	128.7	137.3	148.0	163.7	186.3	220.0	263.6
100°	134.0	128.2	125.7	125.3	129.4	138.0	149.0	164.8	187.6	221.2	265.2
102.5°	135.0	129.4	126.5	125.9	130.2	138.9	150.2	166.1	188.9	222.3	266.8
105°	135.9	130.5	127.1	126.6	131.1	139.8	151.5	167.4	190.4	223.5	268.4
107.5°	136.8	131.4	127.7	127.3	132.1	140.9	152.8	168.9	191.9	224.7	267.9
110°	137.5	132.1	128.2	128.1	133.1	142.1	154.3	170.4	193.4	225.8	268.8



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	132.9	129.4	126.9	128.1	133.8	143.2	155.6	172.0	195.0	227.0	269.6
115°	125.5	123.7	123.1	126.2	133.0	142.7	154.6	169.1	188.8	216.2	253.6
117.5°	118.7	118.6	119.8	124.6	132.4	142.3	153.5	166.0	182.4	205.4	237.7
120°	112.7	114.3	117.0	123.4	132.0	142.0	152.2	162.7	176.0	194.6	222.0
122.5°	107.3	110.7	115.1	122.5	131.8	141.8	150.8	159.2	169.4	183.8	206.4
125°	102.9	107.7	114.0	122.3	131.8	141.6	149.1	155.4	162.6	173.1	191.0
127.5°	99.3	105.5	113.3	122.4	132.0	141.5	147.3	151.3	155.6	162.3	175.9
130°	96.9	104.1	113.2	122.8	132.3	141.4	145.1	146.9	148.4	151.5	160.9
132.5°	95.5	103.9	113.7	123.5	132.7	140.8	142.8	142.1	140.9	140.7	146.2
135°	90.8	100.2	110.5	120.9	130.4	137.6	139.2	136.6	133.2	129.9	131.8
137.5°	85.4	94.4	103.4	112.9	120.6	125.7	127.3	124.8	122.2	119.7	122.3
140°	80.2	88.0	96.0	103.7	110.6	113.9	115.1	113.1	111.3	109.6	112.7
142.5°	74.4	81.2	88.0	94.3	100.4	102.1	102.9	101.6	100.5	99.4	103.0
145°	67.9	73.7	79.5	84.5	88.7	90.3	90.8	90.1	89.7	89.3	93.3
147.5°	60.8	65.6	70.2	74.3	77.0	78.6	79.0	78.8	79.0	79.1	83.5
150°	52.9	56.9	60.3	63.6	65.3	66.8	67.3	67.5	68.4	69.0	73.5
152.5°	44.3	47.2	49.9	52.1	53.7	55.0	55.9	56.6	57.8	58.8	63.5
155°	34.6	36.8	38.9	40.6	42.1	43.4	44.6	45.8	47.3	48.7	53.4
157.5°	29.2	30.0	30.7	31.4	32.2	33.1	34.1	35.4	37.0	38.5	43.2
160°	26.2	26.9	27.5	28.2	28.9	29.7	30.5	31.7	33.0	34.2	38.5
162.5°	23.1	23.7	24.3	24.9	25.6	26.2	27.0	28.0	29.0	29.9	33.7
165°	20.0	20.5	21.1	21.7	22.2	22.7	23.5	24.2	25.0	25.7	29.0
167.5°	16.9	17.4	17.9	18.3	18.7	19.2	19.8	20.4	20.9	21.4	24.2
170°	13.8	14.2	14.5	14.9	15.3	15.7	16.1	16.4	16.8	17.1	19.4
172.5°	10.6	10.8	11.1	11.4	11.7	12.0	12.2	12.4	12.7	12.8	14.5
175°	7.3	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.6	9.7
177.5°	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	5.4	6.0	6.5	7.1	7.6	8.1	8.6	9.1	9.5	10.0	10.4
5°	10.8	11.9	13.0	14.1	15.1	16.1	17.1	18.1	19.0	19.9	20.7
7.5°	16.2	17.9	19.5	21.1	22.6	24.1	25.6	27.4	29.2	30.8	32.4
10°	21.6	23.8	25.9	28.0	30.1	32.7	35.2	37.6	40.0	42.2	44.5
12.5°	26.9	29.6	32.2	35.1	38.5	41.7	44.9	48.0	50.9	53.5	56.1
15°	32.2	35.4	38.7	42.9	46.9	50.9	54.8	58.2	61.6	64.8	68.3
17.5°	37.5	41.2	45.7	50.7	55.5	60.2	64.3	68.4	72.3	76.0	79.4
20°	42.7	47.0	52.9	58.6	64.2	69.1	73.9	78.5	82.9	87.2	91.2
22.5°	47.9	53.4	60.1	66.6	72.5	78.1	83.5	88.7	93.7	98.3	101.8
25°	58.0	64.0	70.8	77.3	83.1	88.8	94.4	99.8	104.6	108.2	112.0
27.5°	68.0	74.7	81.7	88.2	94.4	100.4	106.4	111.9	115.9	119.8	121.4
30°	77.9	85.2	92.4	98.9	105.8	111.7	118.0	122.7	127.1	129.4	130.8
32.5°	88.1	95.4	102.5	109.4	116.1	122.7	128.5	133.3	136.8	138.8	140.4
35°	98.0	105.3	112.5	119.6	126.5	133.7	138.7	143.5	146.2	148.4	150.1
37.5°	107.9	115.0	122.3	129.5	136.6	143.1	148.7	152.7	156.1	158.0	160.1
40°	117.5	124.5	131.9	139.2	146.5	152.7	158.3	162.2	165.2	167.5	170.8
42.5°	127.0	133.8	141.3	148.7	156.0	162.2	167.5	171.9	174.6	177.5	180.8
45°	136.4	143.0	150.5	157.9	165.0	171.4	176.8	181.0	183.9	187.2	191.1
47.5°	154.3	163.5	172.6	178.7	183.3	186.8	189.6	191.1	193.3	196.6	200.9
50°	173.0	185.9	197.9	203.8	207.1	208.9	209.8	210.0	210.6	211.8	213.6
52.5°	192.2	208.9	222.8	228.7	230.1	229.8	229.0	228.3	228.9	230.7	233.9
55°	211.8	232.4	247.6	252.9	252.5	249.8	247.5	246.5	247.1	249.4	254.1
57.5°	231.7	256.3	272.3	276.3	274.1	268.8	265.4	264.5	265.6	268.7	274.4
60°	252.0	280.7	296.8	299.2	294.6	287.1	282.8	282.2	284.0	288.3	295.4
62.5°	272.5	305.4	321.3	321.6	314.5	305.4	300.1	299.7	302.2	307.7	316.0
65°	293.3	330.3	345.7	343.8	333.8	323.2	317.8	317.5	320.4	327.0	336.1
67.5°	314.2	355.5	369.9	365.5	352.7	340.8	335.3	335.4	339.2	346.4	355.4
70°	314.7	358.4	375.8	375.4	363.8	352.9	348.9	350.8	356.5	365.1	374.4
72.5°	314.4	359.5	379.6	383.2	372.3	362.0	358.9	361.9	368.8	377.9	388.1
75°	313.9	360.4	383.8	391.7	381.0	371.1	368.9	373.2	381.0	390.3	401.0
77.5°	313.2	361.0	388.2	400.8	390.0	380.3	378.9	384.6	393.0	402.4	413.7
80°	313.8	361.5	392.8	410.3	399.1	389.7	389.0	395.9	404.8	414.2	426.2
82.5°	312.1	363.1	398.8	420.1	408.5	399.1	399.0	407.2	416.4	425.7	438.4
85°	310.3	362.3	402.8	430.5	417.8	408.4	409.1	418.9	427.9	437.0	450.4
87.5°	308.6	361.6	406.8	439.9	427.7	418.2	419.1	429.7	439.2	448.2	462.2
90°	306.9	360.8	410.8	449.3	437.7	428.1	429.1	440.6	450.2	458.9	473.3
92.5°	308.6	361.6	406.8	439.9	427.7	418.2	419.1	429.7	439.2	448.2	462.2
95°	310.3	362.3	402.8	430.5	417.8	408.4	409.1	418.9	427.9	437.0	450.4
97.5°	312.1	363.1	398.8	420.1	408.5	399.1	399.0	407.2	416.4	425.7	438.4
100°	313.8	361.5	392.8	410.3	399.1	389.7	389.0	395.9	404.8	414.2	426.2
102.5°	313.2	361.0	388.2	400.8	390.0	380.3	378.9	384.6	393.0	402.4	413.7
105°	313.9	360.4	383.8	391.7	381.0	371.1	368.9	373.2	381.0	390.3	401.0
107.5°	314.4	359.5	379.6	383.2	372.3	362.0	358.9	361.9	368.8	377.9	388.1
110°	314.7	358.4	375.8	375.4	363.8	352.9	348.9	350.8	356.5	365.1	374.4



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	314.2	355.5	369.9	365.5	352.7	340.8	335.3	335.4	339.2	346.4	355.4
115°	293.3	330.3	345.7	343.8	333.8	323.2	317.8	317.5	320.4	327.0	336.1
117.5°	272.5	305.4	321.3	321.6	314.5	305.4	300.1	299.7	302.2	307.7	316.0
120°	252.0	280.7	296.8	299.2	294.6	287.1	282.8	282.2	284.0	288.3	295.4
122.5°	231.7	256.3	272.3	276.3	274.1	268.8	265.4	264.5	265.6	268.7	274.4
125°	211.8	232.4	247.6	252.9	252.5	249.8	247.5	246.5	247.1	249.4	254.1
127.5°	192.2	208.9	222.8	228.7	230.1	229.8	229.0	228.3	228.9	230.7	233.9
130°	173.0	185.9	197.9	203.8	207.1	208.9	209.8	210.0	210.6	211.8	213.6
132.5°	154.3	163.5	172.6	178.7	183.3	186.8	189.6	191.1	193.3	196.6	200.9
135°	136.4	143.0	150.5	157.9	165.0	171.4	176.8	181.0	183.9	187.2	191.1
137.5°	127.0	133.8	141.3	148.7	156.0	162.2	167.5	171.9	174.6	177.5	180.8
140°	117.5	124.5	131.9	139.2	146.5	152.7	158.3	162.2	165.2	167.5	170.8
142.5°	107.9	115.0	122.3	129.5	136.6	143.1	148.7	152.7	156.1	158.0	160.1
145°	98.0	105.3	112.5	119.6	126.5	133.7	138.7	143.5	146.2	148.4	150.1
147.5°	88.1	95.4	102.5	109.4	116.1	122.7	128.5	133.3	136.8	138.8	140.4
150°	77.9	85.2	92.4	98.9	105.8	111.7	118.0	122.7	127.1	129.4	130.8
152.5°	68.0	74.7	81.7	88.2	94.4	100.4	106.4	111.9	115.9	119.8	121.4
155°	58.0	64.0	70.8	77.3	83.1	88.8	94.4	99.8	104.6	108.2	112.0
157.5°	47.9	53.4	60.1	66.6	72.5	78.1	83.5	88.7	93.7	98.3	101.8
160°	42.7	47.0	52.9	58.6	64.2	69.1	73.9	78.5	82.9	87.2	91.2
162.5°	37.5	41.2	45.7	50.7	55.5	60.2	64.3	68.4	72.3	76.0	79.4
165°	32.2	35.4	38.7	42.9	46.9	50.9	54.8	58.2	61.6	64.8	68.3
167.5°	26.9	29.6	32.2	35.1	38.5	41.7	44.9	48.0	50.9	53.5	56.1
170°	21.6	23.8	25.9	28.0	30.1	32.7	35.2	37.6	40.0	42.2	44.5
172.5°	16.2	17.9	19.5	21.1	22.6	24.1	25.6	27.4	29.2	30.8	32.4
175°	10.8	11.9	13.0	14.1	15.1	16.1	17.1	18.1	19.0	19.9	20.7
177.5°	5.4	6.0	6.5	7.1	7.6	8.1	8.6	9.1	9.5	10.0	10.4
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	10.8	11.2	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.5	13.6
5°	21.7	22.7	23.6	24.4	25.2	26.0	26.6	27.3	27.8	28.3	28.8
7.5°	33.9	35.4	36.7	38.0	39.2	40.3	41.3	42.2	43.0	43.7	44.4
10°	46.3	48.2	49.9	51.6	53.1	54.5	55.9	57.0	57.9	58.7	59.4
12.5°	58.5	60.9	63.0	64.9	66.7	68.3	69.7	71.0	72.2	73.1	74.0
15°	70.7	73.3	75.7	78.0	80.1	81.8	83.3	84.8	86.1	87.2	88.3
17.5°	82.7	86.2	88.3	90.5	92.6	94.6	96.4	98.1	99.8	101.4	103.0
20°	94.4	97.2	100.0	102.3	104.2	106.1	108.0	110.1	112.5	114.8	117.2
22.5°	105.2	108.0	109.8	111.7	113.7	116.0	118.6	121.2	124.3	128.1	131.9
25°	114.2	115.7	117.7	119.6	122.0	124.6	128.6	133.0	137.4	142.1	147.3
27.5°	122.3	123.0	123.8	126.0	129.9	134.5	139.8	145.0	150.9	156.8	163.0
30°	131.9	132.9	134.2	137.0	139.7	144.2	150.6	157.2	164.3	171.5	179.1
32.5°	141.8	143.7	146.8	150.0	154.5	158.9	163.7	169.2	177.7	187.9	198.0
35°	152.3	155.6	159.3	164.1	169.0	174.6	180.0	188.2	195.9	208.4	224.6
37.5°	163.5	167.4	172.3	177.7	183.8	191.2	200.3	210.8	225.7	241.5	256.9
40°	174.4	179.3	184.9	191.4	200.0	210.1	224.3	240.7	258.9	278.1	297.0
42.5°	185.5	190.8	197.6	206.7	217.7	233.9	251.6	273.4	296.5	317.5	339.6
45°	195.9	202.7	211.2	223.1	239.8	258.7	283.1	307.2	332.4	358.4	386.5
47.5°	206.7	213.9	226.5	242.5	262.3	288.1	314.5	341.7	371.8	403.2	434.5
50°	217.7	228.0	242.3	262.7	288.6	316.7	345.8	378.7	415.2	448.7	483.0
52.5°	239.0	248.9	264.2	284.8	316.0	344.9	379.2	418.8	455.8	493.9	532.0
55°	261.9	273.6	291.2	315.7	343.3	374.0	414.1	455.9	497.1	537.9	579.8
57.5°	284.0	298.1	318.2	344.1	372.5	409.6	450.3	493.2	536.1	579.8	624.9
60°	305.8	320.7	343.9	370.7	402.8	441.6	484.2	528.2	572.3	617.6	665.7
62.5°	327.5	343.9	367.3	394.7	430.8	471.2	514.7	559.5	603.6	649.9	702.0
65°	347.8	365.7	389.5	418.9	455.6	496.7	542.1	585.3	629.7	678.6	736.3
67.5°	366.7	385.4	409.6	440.9	478.1	520.2	565.0	606.0	650.7	706.2	779.5
70°	385.3	403.4	427.7	459.9	497.1	541.1	582.1	622.7	670.5	732.3	820.4
72.5°	401.4	420.4	444.7	476.5	513.4	560.9	595.0	634.9	687.3	761.7	852.9
75°	416.2	435.2	457.9	487.2	524.6	567.4	603.7	644.2	699.5	784.1	878.7
77.5°	430.5	448.3	468.1	494.9	531.1	570.3	608.5	654.4	718.9	804.0	899.2
80°	444.4	459.8	476.0	500.1	534.3	571.9	611.5	662.3	734.7	823.3	927.3
82.5°	457.7	470.1	481.8	503.1	534.7	572.1	612.8	667.5	745.6	836.9	947.2
85°	470.5	479.4	486.2	504.3	532.6	570.6	612.2	669.9	751.5	844.8	958.5
87.5°	483.1	488.2	489.6	504.4	529.2	568.4	610.6	670.9	754.8	849.7	965.4
90°	494.5	496.4	492.6	503.2	523.4	562.8	605.1	665.7	748.5	842.8	956.3
92.5°	483.1	488.2	489.6	504.4	529.2	568.4	610.6	670.9	754.8	849.7	965.4
95°	470.5	479.4	486.2	504.3	532.6	570.6	612.2	669.9	751.5	844.8	958.5
97.5°	457.7	470.1	481.8	503.1	534.7	572.1	612.8	667.5	745.6	836.9	947.2
100°	444.4	459.8	476.0	500.1	534.3	571.9	611.5	662.3	734.7	823.3	927.3
102.5°	430.5	448.3	468.1	494.9	531.1	570.3	608.5	654.4	718.9	804.0	899.2
105°	416.2	435.2	457.9	487.2	524.6	567.4	603.7	644.2	699.5	784.1	878.7
107.5°	401.4	420.4	444.7	476.5	513.4	560.9	595.0	634.9	687.3	761.7	852.9
110°	385.3	403.4	427.7	459.9	497.1	541.1	582.1	622.7	670.5	732.3	820.4



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-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°	366.7	385.4	409.6	440.9	478.1	520.2	565.0	606.0	650.7	706.2	779.5
115°	347.8	365.7	389.5	418.9	455.6	496.7	542.1	585.3	629.7	678.6	736.3
117.5°	327.5	343.9	367.3	394.7	430.8	471.2	514.7	559.5	603.6	649.9	702.0
120°	305.8	320.7	343.9	370.7	402.8	441.6	484.2	528.2	572.3	617.6	665.7
122.5°	284.0	298.1	318.2	344.1	372.5	409.6	450.3	493.2	536.1	579.8	624.9
125°	261.9	273.6	291.2	315.7	343.3	374.0	414.1	455.9	497.1	537.9	579.8
127.5°	239.0	248.9	264.2	284.8	316.0	344.9	379.2	418.8	455.8	493.9	532.0
130°	217.7	228.0	242.3	262.7	288.6	316.7	345.8	378.7	415.2	448.7	483.0
132.5°	206.7	213.9	226.5	242.5	262.3	288.1	314.5	341.7	371.8	403.2	434.5
135°	195.9	202.7	211.2	223.1	239.8	258.7	283.1	307.2	332.4	358.4	386.5
137.5°	185.5	190.8	197.6	206.7	217.7	233.9	251.6	273.4	296.5	317.5	339.6
140°	174.4	179.3	184.9	191.4	200.0	210.1	224.3	240.7	258.9	278.1	297.0
142.5°	163.5	167.4	172.3	177.7	183.8	191.2	200.3	210.8	225.7	241.5	256.9
145°	152.3	155.6	159.3	164.1	169.0	174.6	180.0	188.2	195.9	208.4	224.6
147.5°	141.8	143.7	146.8	150.0	154.5	158.9	163.7	169.2	177.7	187.9	198.0
150°	131.9	132.9	134.2	137.0	139.7	144.2	150.6	157.2	164.3	171.5	179.1
152.5°	122.3	123.0	123.8	126.0	129.9	134.5	139.8	145.0	150.9	156.8	163.0
155°	114.2	115.7	117.7	119.6	122.0	124.6	128.6	133.0	137.4	142.1	147.3
157.5°	105.2	108.0	109.8	111.7	113.7	116.0	118.6	121.2	124.3	128.1	131.9
160°	94.4	97.2	100.0	102.3	104.2	106.1	108.0	110.1	112.5	114.8	117.2
162.5°	82.7	86.2	88.3	90.5	92.6	94.6	96.4	98.1	99.8	101.4	103.0
165°	70.7	73.3	75.7	78.0	80.1	81.8	83.3	84.8	86.1	87.2	88.3
167.5°	58.5	60.9	63.0	64.9	66.7	68.3	69.7	71.0	72.2	73.1	74.0
170°	46.3	48.2	49.9	51.6	53.1	54.5	55.9	57.0	57.9	58.7	59.4
172.5°	33.9	35.4	36.7	38.0	39.2	40.3	41.3	42.2	43.0	43.7	44.4
175°	21.7	22.7	23.6	24.4	25.2	26.0	26.6	27.3	27.8	28.3	28.8
177.5°	10.8	11.2	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.5	13.6
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: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	13.8	13.9	14.0	14.1	14.1	14.1	14.6	14.4	14.2	14.0	13.9
5°	29.2	29.5	29.8	30.0	30.1	30.2	30.2	30.1	30.5	30.1	29.7
7.5°	44.9	45.4	45.8	46.0	46.2	46.3	46.3	46.2	46.0	46.1	45.5
10°	60.0	60.5	60.8	61.0	61.1	61.1	61.0	60.7	60.3	60.3	59.4
12.5°	74.6	75.2	75.6	75.9	76.0	76.0	75.9	75.6	75.2	74.7	74.3
15°	89.4	90.5	91.5	92.3	93.1	93.7	94.2	94.5	94.7	94.7	94.9
17.5°	104.7	106.4	108.1	109.7	111.2	112.6	113.8	114.8	115.6	116.2	117.1
20°	119.6	122.2	125.0	127.7	130.2	132.6	134.7	136.6	138.2	139.5	141.2
22.5°	135.6	139.3	143.1	146.9	150.4	153.7	156.7	159.4	161.8	163.8	166.3
25°	152.3	157.2	161.9	166.8	171.4	175.7	179.8	183.4	186.7	189.6	192.0
27.5°	169.2	175.3	181.3	187.6	194.3	200.6	206.4	211.7	216.4	220.6	224.1
30°	187.4	196.1	204.5	212.6	222.2	230.9	238.7	245.5	251.4	256.3	260.3
32.5°	209.2	222.4	234.7	246.0	257.0	267.3	276.2	283.9	290.3	295.5	299.5
35°	239.8	255.6	270.6	284.1	296.3	307.1	316.2	323.5	329.2	333.3	336.0
37.5°	275.8	293.6	310.6	325.5	338.2	350.8	361.7	370.5	377.1	381.8	384.6
40°	316.5	336.3	356.1	374.2	390.0	404.8	419.3	431.9	442.4	450.7	456.7
42.5°	363.4	386.7	408.7	430.2	450.2	469.1	488.4	505.7	520.6	532.8	542.2
45°	413.5	439.8	464.2	490.6	516.3	543.4	565.2	588.1	608.3	625.5	639.3
47.5°	464.6	495.2	525.1	554.9	587.0	617.7	650.4	682.0	709.2	731.6	749.2
50°	517.9	552.4	588.3	623.7	668.6	711.8	753.2	794.6	829.2	856.9	877.8
52.5°	571.0	610.5	657.3	707.4	766.3	826.7	877.6	922.3	958.3	985.8	1004.9
55°	623.0	673.7	730.7	798.7	871.2	947.8	1007.4	1045.2	1073.5	1095.2	1110.0
57.5°	675.3	736.0	805.6	888.1	977.2	1045.9	1109.5	1140.0	1159.2	1173.6	1183.3
60°	724.0	793.5	880.8	968.8	1051.1	1119.8	1172.9	1205.8	1223.0	1236.5	1245.9
62.5°	764.8	852.9	947.4	1039.9	1117.2	1181.2	1228.2	1261.2	1278.5	1292.4	1302.5
65°	816.2	907.9	1011.0	1105.2	1184.5	1246.7	1282.7	1309.5	1326.2	1338.5	1347.8
67.5°	868.5	968.9	1076.4	1176.8	1255.7	1298.4	1328.3	1348.3	1364.4	1378.1	1388.4
70°	916.2	1025.8	1138.0	1244.7	1304.5	1338.3	1363.1	1382.5	1400.0	1413.0	1422.6
72.5°	957.5	1073.6	1189.6	1278.2	1336.3	1368.9	1391.3	1410.7	1429.2	1439.9	1449.0
75°	992.8	1111.1	1223.3	1311.5	1366.4	1392.3	1413.3	1433.6	1450.1	1461.3	1471.4
77.5°	1018.5	1138.2	1259.1	1344.6	1386.4	1412.3	1434.0	1455.1	1470.3	1482.1	1492.1
80°	1043.9	1165.5	1288.3	1372.1	1404.3	1430.8	1451.9	1470.8	1487.4	1500.3	1511.1
82.5°	1065.7	1192.5	1312.5	1383.0	1416.8	1442.9	1463.5	1481.6	1498.3	1509.4	1523.5
85°	1078.9	1207.5	1331.0	1390.4	1421.9	1448.8	1469.2	1487.9	1504.6	1517.3	1533.4
87.5°	1087.9	1210.7	1341.3	1395.3	1422.8	1451.8	1469.8	1490.2	1507.4	1516.8	1534.1
90°	1078.5	1202.6	1341.1	1395.9	1420.0	1451.7	1467.1	1489.3	1504.6	1517.2	1530.6
92.5°	1087.9	1210.7	1341.3	1395.3	1422.8	1451.8	1469.8	1490.2	1507.4	1516.8	1534.1
95°	1078.9	1207.5	1331.0	1390.4	1421.9	1448.8	1469.2	1487.9	1504.6	1517.3	1533.4
97.5°	1065.7	1192.5	1312.5	1383.0	1416.8	1442.9	1463.5	1481.6	1498.3	1509.4	1523.5
100°	1043.9	1165.5	1288.3	1372.1	1404.3	1430.8	1451.9	1470.8	1487.4	1500.3	1511.1
102.5°	1018.5	1138.2	1259.1	1344.6	1386.4	1412.3	1434.0	1455.1	1470.3	1482.1	1492.1
105°	992.8	1111.1	1223.3	1311.5	1366.4	1392.3	1413.3	1433.6	1450.1	1461.3	1471.4
107.5°	957.5	1073.6	1189.6	1278.2	1336.3	1368.9	1391.3	1410.7	1429.2	1439.9	1449.0
110°	916.2	1025.8	1138.0	1244.7	1304.5	1338.3	1363.1	1382.5	1400.0	1413.0	1422.6



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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°	868.5	968.9	1076.4	1176.8	1255.7	1298.4	1328.3	1348.3	1364.4	1378.1	1388.4
115°	816.2	907.9	1011.0	1105.2	1184.5	1246.7	1282.7	1309.5	1326.2	1338.5	1347.8
117.5°	764.8	852.9	947.4	1039.9	1117.2	1181.2	1228.2	1261.2	1278.5	1292.4	1302.5
120°	724.0	793.5	880.8	968.8	1051.1	1119.8	1172.9	1205.8	1223.0	1236.5	1245.9
122.5°	675.3	736.0	805.6	888.1	977.2	1045.9	1109.5	1140.0	1159.2	1173.6	1183.3
125°	623.0	673.7	730.7	798.7	871.2	947.8	1007.4	1045.2	1073.5	1095.2	1110.0
127.5°	571.0	610.5	657.3	707.4	766.3	826.7	877.6	922.3	958.3	985.8	1004.9
130°	517.9	552.4	588.3	623.7	668.6	711.8	753.2	794.6	829.2	856.9	877.8
132.5°	464.6	495.2	525.1	554.9	587.0	617.7	650.4	682.0	709.2	731.6	749.2
135°	413.5	439.8	464.2	490.6	516.3	543.4	565.2	588.1	608.3	625.5	639.3
137.5°	363.4	386.7	408.7	430.2	450.2	469.1	488.4	505.7	520.6	532.8	542.2
140°	316.5	336.3	356.1	374.2	390.0	404.8	419.3	431.9	442.4	450.7	456.7
142.5°	275.8	293.6	310.6	325.5	338.2	350.8	361.7	370.5	377.1	381.8	384.6
145°	239.8	255.6	270.6	284.1	296.3	307.1	316.2	323.5	329.2	333.3	336.0
147.5°	209.2	222.4	234.7	246.0	257.0	267.3	276.2	283.9	290.3	295.5	299.5
150°	187.4	196.1	204.5	212.6	222.2	230.9	238.7	245.5	251.4	256.3	260.3
152.5°	169.2	175.3	181.3	187.6	194.3	200.6	206.4	211.7	216.4	220.6	224.1
155°	152.3	157.2	161.9	166.8	171.4	175.7	179.8	183.4	186.7	189.6	192.0
157.5°	135.6	139.3	143.1	146.9	150.4	153.7	156.7	159.4	161.8	163.8	166.3
160°	119.6	122.2	125.0	127.7	130.2	132.6	134.7	136.6	138.2	139.5	141.2
162.5°	104.7	106.4	108.1	109.7	111.2	112.6	113.8	114.8	115.6	116.2	117.1
165°	89.4	90.5	91.5	92.3	93.1	93.7	94.2	94.5	94.7	94.7	94.9
167.5°	74.6	75.2	75.6	75.9	76.0	76.0	75.9	75.6	75.2	74.7	74.3
170°	60.0	60.5	60.8	61.0	61.1	61.1	61.0	60.7	60.3	60.3	59.4
172.5°	44.9	45.4	45.8	46.0	46.2	46.3	46.3	46.2	46.0	46.1	45.5
175°	29.2	29.5	29.8	30.0	30.1	30.2	30.2	30.1	30.5	30.1	29.7
177.5°	13.8	13.9	14.0	14.1	14.1	14.1	14.6	14.4	14.2	14.0	13.9
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°	0.0	0.0
2.5°	13.7	13.5
5°	29.3	28.9
7.5°	44.9	44.3
10°	58.6	57.7
12.5°	73.2	72.2
15°	94.1	93.3
17.5°	116.8	116.4
20°	141.3	141.4
22.5°	166.9	167.4
25°	194.2	195.3
27.5°	227.3	229.0
30°	263.8	265.5
32.5°	302.8	304.0
35°	338.0	337.7
37.5°	386.4	384.8
40°	461.4	460.8
42.5°	550.2	551.3
45°	651.6	655.2
47.5°	764.3	768.7
50°	895.0	898.6
52.5°	1019.7	1019.8
55°	1121.3	1119.8
57.5°	1190.5	1188.1
60°	1253.4	1251.6
62.5°	1308.2	1309.4
65°	1353.6	1355.5
67.5°	1394.7	1396.9
70°	1428.6	1430.6
72.5°	1456.2	1460.4
75°	1481.4	1488.3
77.5°	1502.5	1508.5
80°	1520.4	1523.9
82.5°	1533.9	1543.1
85°	1538.4	1545.1
87.5°	1544.4	1553.7
90°	1535.4	1550.8
92.5°	1544.4	1553.7
95°	1538.4	1545.1
97.5°	1533.9	1543.1
100°	1520.4	1523.9
102.5°	1502.5	1508.5
105°	1481.4	1488.3
107.5°	1456.2	1460.4
110°	1428.6	1430.6



TEST NUMBER: P232024

CATALOG NUMBER: FVS4WM-3-LD4-30-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1394.7	1396.9
115°	1353.6	1355.5
117.5°	1308.2	1309.4
120°	1253.4	1251.6
122.5°	1190.5	1188.1
125°	1121.3	1119.8
127.5°	1019.7	1019.8
130°	895.0	898.6
132.5°	764.3	768.7
135°	651.6	655.2
137.5°	550.2	551.3
140°	461.4	460.8
142.5°	386.4	384.8
145°	338.0	337.7
147.5°	302.8	304.0
150°	263.8	265.5
152.5°	227.3	229.0
155°	194.2	195.3
157.5°	166.9	167.4
160°	141.3	141.4
162.5°	116.8	116.4
165°	94.1	93.3
167.5°	73.2	72.2
170°	58.6	57.7
172.5°	44.9	44.3
175°	29.3	28.9
177.5°	13.7	13.5
180°	0.0	0.0

(END OF REPORT)