

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: P231980

Luminaire Tested: **FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P231980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1706-121-18)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1
Description: FAILSAFE FVS LED FIXTURE
4FT LENGTH, 2-MODULE LED WITH P125 LENS
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

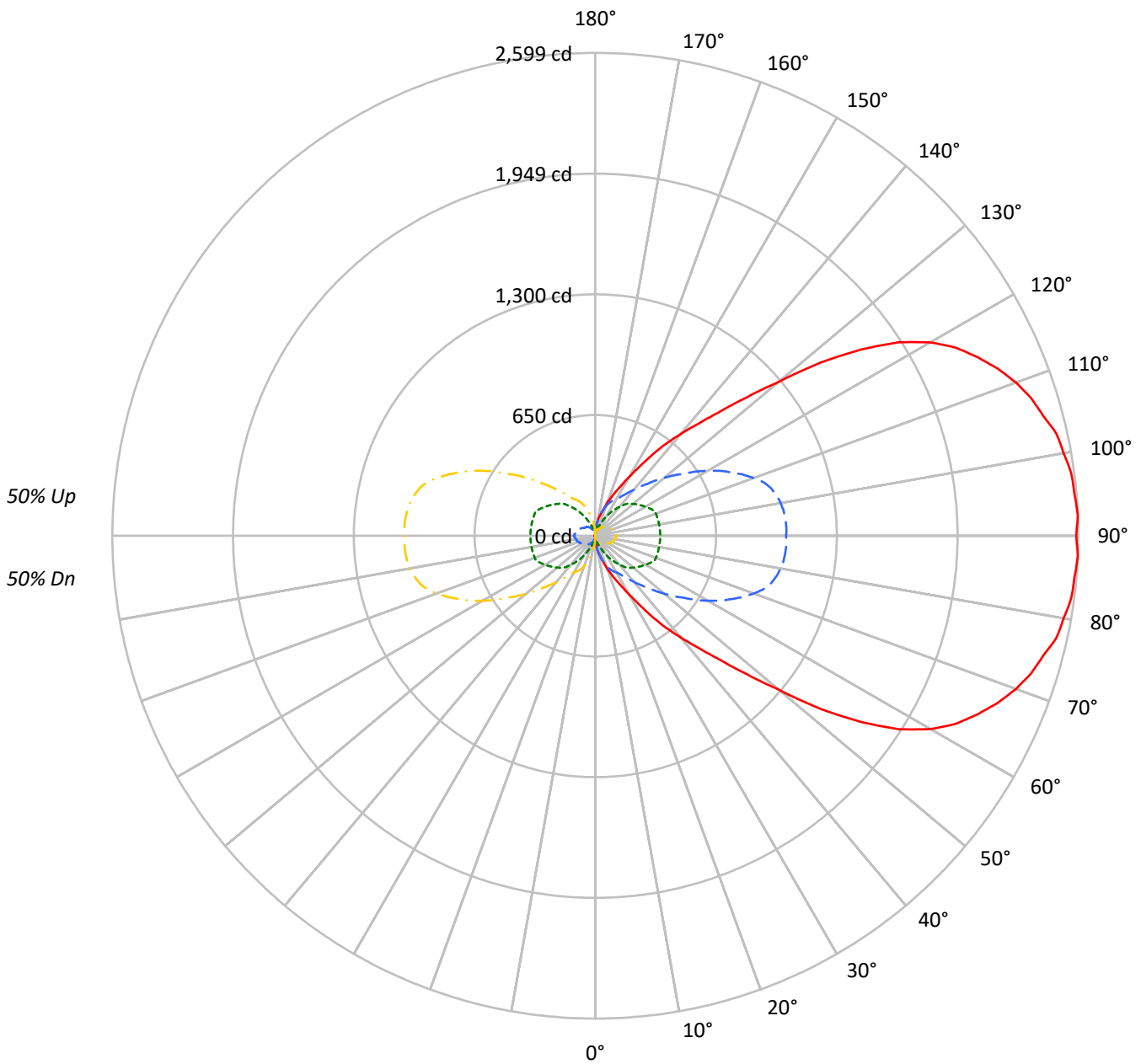
Lumens per Lamp: N/A
Luminaire Lumens: 6012.3 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 21.32 / 13.7 / 14.56
Luminous Opening: Rectangular w/ Sides (W: 3.79' x L: 0.19' x H: 0.31')
CIE Type: General Diffuse

Input Watts (W): 57.4
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	34	28
2	80	69	60	53	72	63	55	48	51	45	39	40	35	31	30	26	23	18
3	71	59	49	41	64	53	44	37	43	36	30	33	28	23	25	20	17	12
4	64	51	40	33	58	46	37	30	37	30	24	29	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	13	9	13	9	6	3
9	42	28	20	14	38	26	18	13	21	15	10	16	11	7	12	8	5	3
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°	32	32	32	32
5°	710	234	28	234
10°	1097	438	17	438
15°	1399	650	23	650
20°	1914	873	21	873
25°	2447	1329	20	1329
30°	3272	2051	19	2051
35°	4500	2852	18	2852
40°	5887	3760	17	3760
45°	7526	4821	22	4821
50°	10174	5716	22	5716
55°	13646	6832	22	6832
60°	16216	8273	22	8273
65°	17791	10199	22	10199
70°	19115	12518	22	12518
75°	20216	15551	28	15551
80°	21347	20695	0	20695
85°	22425	31227	0	31227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	20.1	0.3
20°-30°	55.5	0.9
30°-40°	122.7	2.0
40°-50°	237.7	4.0
50°-60°	417.9	7.0
60°-70°	606.9	10.1
70°-80°	739.0	12.3
80°-90°	803.2	13.4
90°-100°	803.2	13.4
100°-110°	739.0	12.3
110°-120°	606.9	10.1
120°-130°	417.9	7.0
130°-140°	237.7	4.0
140°-150°	122.7	2.0
150°-160°	55.5	0.9
160°-170°	20.1	0.3
170°-180°	3.1	0.1
0°-30°	78.8	1.3
0°-40°	201.5	3.4
0°-60°	857.0	14.3
0°-90°	3006.2	50.0
90°-120°	2149.1	35.7
90°-150°	2927.4	48.7
90°-180°	3006.0	50.0
0°-180°	6012.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2	2	2	2	2	
5°	54	16	2	16	54	6
15°	129	42	2	42	129	39
25°	260	83	2	83	260	126
35°	528	163	2	163	528	339
45°	937	244	3	244	937	752
55°	1748	289	3	289	1748	1556
65°	2272	335	3	335	2272	2249
75°	2495	348	4	348	2495	2640
85°	2588	349	0	349	2588	2111
90°	2588	350	0	350	2588	1421
95°	2588	349	0	349	2588	2111
105°	2495	348	4	348	2495	2640
115°	2272	335	3	335	2272	2249
125°	1748	289	3	289	1748	1556
135°	937	244	3	244	937	752
145°	528	163	2	163	528	339
155°	260	83	2	83	260	126
165°	129	42	2	42	129	39
175°	54	16	2	16	54	6
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	26.4	26.7	26.9	27.2	27.5	27.7	28.0	27.1	27.1	26.9	26.8
5°	53.5	54.0	54.5	55.0	55.5	54.7	54.6	54.4	54.1	53.7	53.3
7.5°	72.2	73.0	73.9	74.7	74.6	75.0	75.2	75.2	75.2	75.0	74.7
10°	92.3	93.5	94.8	96.0	96.0	96.5	96.8	96.9	96.9	96.6	96.2
12.5°	108.3	110.1	112.0	113.0	114.3	115.3	116.1	116.7	117.1	117.2	117.1
15°	129.1	131.4	133.6	134.7	136.1	137.2	138.0	138.6	138.9	138.9	138.7
17.5°	156.2	158.3	160.4	161.0	161.9	162.5	162.8	162.9	162.8	162.4	161.8
20°	190.9	192.2	193.6	192.7	192.4	191.8	190.9	189.7	188.3	186.7	185.1
22.5°	224.2	224.7	225.2	223.3	222.0	220.4	218.4	216.2	213.8	211.1	208.4
25°	260.3	260.1	258.4	256.5	254.0	251.0	247.5	243.6	239.4	234.8	230.0
27.5°	306.9	305.9	302.8	299.3	294.9	289.7	283.7	277.1	269.8	261.9	254.8
30°	367.3	364.8	359.4	353.5	346.4	338.2	329.0	319.1	308.4	297.1	287.3
32.5°	437.4	434.0	426.8	418.8	409.0	397.6	384.7	370.3	354.5	339.1	325.3
35°	527.6	523.2	513.5	502.5	489.0	473.2	455.1	434.9	412.6	392.6	372.4
37.5°	623.4	618.5	607.2	594.4	578.6	559.8	538.2	513.8	487.2	460.6	432.1
40°	714.4	711.5	701.7	689.7	673.8	653.7	629.3	600.5	569.5	537.3	502.7
42.5°	815.1	815.2	806.8	795.8	779.7	758.3	731.5	699.1	664.3	625.1	581.1
45°	937.3	939.9	931.5	919.8	902.0	878.0	847.6	816.1	772.5	727.1	677.8
47.5°	1100.4	1103.7	1091.4	1075.2	1051.3	1019.8	981.0	938.5	893.5	841.7	788.6
50°	1289.9	1292.5	1275.6	1254.2	1223.8	1184.8	1137.7	1086.6	1030.0	962.4	900.6
52.5°	1535.0	1529.2	1497.6	1462.0	1417.5	1365.7	1308.0	1247.8	1172.8	1091.7	1014.4
55°	1747.5	1731.9	1692.3	1649.8	1600.1	1544.9	1483.5	1406.9	1314.7	1221.5	1128.5
57.5°	1938.4	1911.9	1862.3	1810.4	1752.3	1690.2	1622.9	1541.9	1457.9	1347.8	1241.3
60°	2081.4	2049.8	1997.9	1942.7	1880.1	1811.3	1736.4	1656.0	1565.8	1464.2	1353.0
62.5°	2190.4	2150.3	2101.8	2046.0	1983.8	1916.9	1837.4	1754.8	1663.6	1566.3	1452.4
65°	2271.6	2235.5	2190.3	2135.1	2069.3	1996.2	1920.8	1839.3	1747.0	1648.7	1541.1
67.5°	2345.9	2311.3	2268.0	2215.5	2153.7	2077.5	1992.7	1905.2	1815.1	1716.5	1613.2
70°	2409.1	2382.6	2345.1	2293.7	2222.9	2143.7	2060.1	1965.8	1868.5	1775.6	1682.0
72.5°	2459.8	2440.5	2411.0	2369.1	2295.4	2202.3	2111.0	2017.3	1923.8	1832.0	1738.9
75°	2495.2	2485.4	2465.0	2415.0	2332.8	2247.2	2153.4	2065.3	1976.3	1880.2	1783.8
77.5°	2541.7	2528.1	2507.7	2451.5	2368.2	2268.7	2193.7	2107.5	2015.3	1919.2	1819.2
80°	2559.0	2548.4	2527.6	2486.1	2403.5	2311.1	2224.7	2141.9	2044.4	1946.7	1845.5
82.5°	2583.3	2569.6	2542.8	2502.9	2437.2	2337.7	2247.8	2157.8	2063.4	1968.7	1870.5
85°	2588.2	2576.6	2553.1	2516.0	2445.4	2349.4	2260.1	2176.5	2077.9	1983.8	1886.5
87.5°	2598.6	2570.4	2557.3	2529.2	2457.9	2362.2	2267.4	2186.7	2080.6	1988.2	1893.0
90°	2587.5	2568.1	2549.3	2532.0	2456.3	2355.6	2261.9	2184.1	2071.7	1982.1	1889.8
92.5°	2598.6	2570.4	2557.3	2529.2	2457.9	2362.2	2267.4	2186.7	2080.6	1988.2	1893.0
95°	2588.2	2576.6	2553.1	2516.0	2445.4	2349.4	2260.1	2176.5	2077.9	1983.8	1886.5
97.5°	2583.3	2569.6	2542.8	2502.9	2437.2	2337.7	2247.8	2157.8	2063.4	1968.7	1870.5
100°	2559.0	2548.4	2527.6	2486.1	2403.5	2311.1	2224.7	2141.9	2044.4	1946.7	1845.5
102.5°	2541.7	2528.1	2507.7	2451.5	2368.2	2268.7	2193.7	2107.5	2015.3	1919.2	1819.2
105°	2495.2	2485.4	2465.0	2415.0	2332.8	2247.2	2153.4	2065.3	1976.3	1880.2	1783.8
107.5°	2459.8	2440.5	2411.0	2369.1	2295.4	2202.3	2111.0	2017.3	1923.8	1832.0	1738.9
110°	2409.1	2382.6	2345.1	2293.7	2222.9	2143.7	2060.1	1965.8	1868.5	1775.6	1682.0



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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°	2345.9	2311.3	2268.0	2215.5	2153.7	2077.5	1992.7	1905.2	1815.1	1716.5	1613.2
115°	2271.6	2235.5	2190.3	2135.1	2069.3	1996.2	1920.8	1839.3	1747.0	1648.7	1541.1
117.5°	2190.4	2150.3	2101.8	2046.0	1983.8	1916.9	1837.4	1754.8	1663.6	1566.3	1452.4
120°	2081.4	2049.8	1997.9	1942.7	1880.1	1811.3	1736.4	1656.0	1565.8	1464.2	1353.0
122.5°	1938.4	1911.9	1862.3	1810.4	1752.3	1690.2	1622.9	1541.9	1457.9	1347.8	1241.3
125°	1747.5	1731.9	1692.3	1649.8	1600.1	1544.9	1483.5	1406.9	1314.7	1221.5	1128.5
127.5°	1535.0	1529.2	1497.6	1462.0	1417.5	1365.7	1308.0	1247.8	1172.8	1091.7	1014.4
130°	1289.9	1292.5	1275.6	1254.2	1223.8	1184.8	1137.7	1086.6	1030.0	962.4	900.6
132.5°	1100.4	1103.7	1091.4	1075.2	1051.3	1019.8	981.0	938.5	893.5	841.7	788.6
135°	937.3	939.9	931.5	919.8	902.0	878.0	847.6	816.1	772.5	727.1	677.8
137.5°	815.1	815.2	806.8	795.8	779.7	758.3	731.5	699.1	664.3	625.1	581.1
140°	714.4	711.5	701.7	689.7	673.8	653.7	629.3	600.5	569.5	537.3	502.7
142.5°	623.4	618.5	607.2	594.4	578.6	559.8	538.2	513.8	487.2	460.6	432.1
145°	527.6	523.2	513.5	502.5	489.0	473.2	455.1	434.9	412.6	392.6	372.4
147.5°	437.4	434.0	426.8	418.8	409.0	397.6	384.7	370.3	354.5	339.1	325.3
150°	367.3	364.8	359.4	353.5	346.4	338.2	329.0	319.1	308.4	297.1	287.3
152.5°	306.9	305.9	302.8	299.3	294.9	289.7	283.7	277.1	269.8	261.9	254.8
155°	260.3	260.1	258.4	256.5	254.0	251.0	247.5	243.6	239.4	234.8	230.0
157.5°	224.2	224.7	225.2	223.3	222.0	220.4	218.4	216.2	213.8	211.1	208.4
160°	190.9	192.2	193.6	192.7	192.4	191.8	190.9	189.7	188.3	186.7	185.1
162.5°	156.2	158.3	160.4	161.0	161.9	162.5	162.8	162.9	162.8	162.4	161.8
165°	129.1	131.4	133.6	134.7	136.1	137.2	138.0	138.6	138.9	138.9	138.7
167.5°	108.3	110.1	112.0	113.0	114.3	115.3	116.1	116.7	117.1	117.2	117.1
170°	92.3	93.5	94.8	96.0	96.0	96.5	96.8	96.9	96.9	96.6	96.2
172.5°	72.2	73.0	73.9	74.7	74.6	75.0	75.2	75.2	75.2	75.0	74.7
175°	53.5	54.0	54.5	55.0	55.5	54.7	54.6	54.4	54.1	53.7	53.3
177.5°	26.4	26.7	26.9	27.2	27.5	27.7	28.0	27.1	27.1	26.9	26.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	26.5	26.3	26.0	25.6	25.2	24.8	24.3	23.8	23.2	22.6	22.0
5°	52.7	52.0	51.2	50.4	49.4	48.4	47.2	46.0	44.7	43.3	41.9
7.5°	74.3	73.7	73.1	72.3	71.3	70.3	69.1	67.8	66.4	64.5	62.3
10°	95.6	94.8	93.9	92.7	91.3	89.8	88.2	86.5	84.6	82.6	80.4
12.5°	116.8	116.2	115.4	114.3	112.9	111.0	108.9	106.5	103.9	101.1	98.1
15°	138.2	137.3	136.3	135.0	133.5	131.7	129.6	127.1	124.3	120.9	117.2
17.5°	161.0	160.0	158.8	157.2	155.4	153.2	150.7	147.8	144.5	140.8	136.8
20°	183.3	181.7	180.2	178.5	176.7	174.8	172.2	168.9	165.4	161.5	156.9
22.5°	205.6	202.9	200.3	197.8	195.4	193.1	190.8	188.5	186.2	181.7	176.9
25°	226.1	222.3	218.6	215.0	211.8	209.1	206.7	204.5	202.0	199.4	197.4
27.5°	248.7	242.5	236.2	230.6	226.5	222.6	219.6	216.9	215.1	213.4	210.9
30°	277.2	266.6	256.6	248.8	241.6	234.5	230.5	227.0	226.8	228.8	230.7
32.5°	311.1	296.8	283.9	271.5	258.9	249.9	246.5	244.6	245.5	246.3	248.1
35°	351.0	330.3	314.0	297.7	286.1	278.7	270.8	267.9	264.8	264.5	265.3
37.5°	401.9	375.8	350.4	334.9	323.7	312.7	303.1	293.8	287.7	284.0	283.0
40°	466.8	434.1	408.8	387.8	368.0	350.8	337.5	324.6	314.0	306.1	301.9
42.5°	541.5	510.3	479.0	450.0	422.4	397.6	374.6	358.9	343.4	331.5	323.1
45°	635.0	590.7	553.0	516.8	482.8	449.0	421.5	394.9	376.7	359.4	346.4
47.5°	734.9	681.1	632.0	585.0	545.6	507.4	470.7	439.8	411.4	390.5	372.9
50°	838.0	776.7	714.6	659.7	609.4	565.2	524.4	485.0	452.5	423.7	400.2
52.5°	939.0	870.6	802.8	735.4	675.2	622.3	576.5	534.2	495.0	460.0	442.3
55°	1041.7	959.4	885.8	814.1	742.3	680.1	625.5	582.7	548.4	519.8	499.9
57.5°	1141.3	1047.1	962.2	885.8	811.8	738.1	685.9	643.0	607.8	576.6	555.2
60°	1236.4	1131.0	1034.2	949.5	881.0	813.2	748.4	699.9	663.1	631.9	607.7
62.5°	1332.0	1208.4	1107.2	1024.2	949.5	880.7	812.3	756.3	714.2	682.0	656.8
65°	1416.8	1298.1	1184.6	1094.8	1015.2	941.6	872.3	806.9	762.2	729.5	705.0
67.5°	1503.9	1382.0	1263.3	1158.5	1074.8	996.9	926.2	859.5	809.0	773.7	749.0
70°	1574.6	1453.3	1335.5	1214.4	1127.4	1049.1	975.2	907.5	850.8	814.3	789.3
72.5°	1637.5	1513.0	1387.9	1269.6	1169.6	1094.8	1018.9	952.3	889.2	852.8	828.1
75°	1682.7	1566.5	1432.2	1313.4	1201.7	1133.2	1054.2	980.7	920.6	884.2	862.7
77.5°	1720.5	1610.0	1469.5	1348.1	1236.2	1151.0	1072.7	999.5	943.0	910.4	894.4
80°	1747.2	1640.7	1509.3	1376.6	1261.9	1166.5	1086.6	1013.0	959.2	932.3	923.9
82.5°	1770.5	1666.2	1539.8	1398.3	1279.9	1179.7	1096.1	1021.8	970.4	950.7	951.5
85°	1784.9	1683.8	1560.3	1412.9	1290.5	1189.9	1101.3	1026.6	977.7	966.9	977.8
87.5°	1790.5	1697.6	1575.7	1423.8	1297.1	1198.8	1104.2	1029.0	982.6	981.6	1003.3
90°	1787.7	1693.3	1570.4	1419.1	1292.0	1198.3	1099.7	1026.8	986.5	997.0	1028.9
92.5°	1790.5	1697.6	1575.7	1423.8	1297.1	1198.8	1104.2	1029.0	982.6	981.6	1003.3
95°	1784.9	1683.8	1560.3	1412.9	1290.5	1189.9	1101.3	1026.6	977.7	966.9	977.8
97.5°	1770.5	1666.2	1539.8	1398.3	1279.9	1179.7	1096.1	1021.8	970.4	950.7	951.5
100°	1747.2	1640.7	1509.3	1376.6	1261.9	1166.5	1086.6	1013.0	959.2	932.3	923.9
102.5°	1720.5	1610.0	1469.5	1348.1	1236.2	1151.0	1072.7	999.5	943.0	910.4	894.4
105°	1682.7	1566.5	1432.2	1313.4	1201.7	1133.2	1054.2	980.7	920.6	884.2	862.7
107.5°	1637.5	1513.0	1387.9	1269.6	1169.6	1094.8	1018.9	952.3	889.2	852.8	828.1
110°	1574.6	1453.3	1335.5	1214.4	1127.4	1049.1	975.2	907.5	850.8	814.3	789.3



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	1503.9	1382.0	1263.3	1158.5	1074.8	996.9	926.2	859.5	809.0	773.7	749.0
115°	1416.8	1298.1	1184.6	1094.8	1015.2	941.6	872.3	806.9	762.2	729.5	705.0
117.5°	1332.0	1208.4	1107.2	1024.2	949.5	880.7	812.3	756.3	714.2	682.0	656.8
120°	1236.4	1131.0	1034.2	949.5	881.0	813.2	748.4	699.9	663.1	631.9	607.7
122.5°	1141.3	1047.1	962.2	885.8	811.8	738.1	685.9	643.0	607.8	576.6	555.2
125°	1041.7	959.4	885.8	814.1	742.3	680.1	625.5	582.7	548.4	519.8	499.9
127.5°	939.0	870.6	802.8	735.4	675.2	622.3	576.5	534.2	495.0	460.0	442.3
130°	838.0	776.7	714.6	659.7	609.4	565.2	524.4	485.0	452.5	423.7	400.2
132.5°	734.9	681.1	632.0	585.0	545.6	507.4	470.7	439.8	411.4	390.5	372.9
135°	635.0	590.7	553.0	516.8	482.8	449.0	421.5	394.9	376.7	359.4	346.4
137.5°	541.5	510.3	479.0	450.0	422.4	397.6	374.6	358.9	343.4	331.5	323.1
140°	466.8	434.1	408.8	387.8	368.0	350.8	337.5	324.6	314.0	306.1	301.9
142.5°	401.9	375.8	350.4	334.9	323.7	312.7	303.1	293.8	287.7	284.0	283.0
145°	351.0	330.3	314.0	297.7	286.1	278.7	270.8	267.9	264.8	264.5	265.3
147.5°	311.1	296.8	283.9	271.5	258.9	249.9	246.5	244.6	245.5	246.3	248.1
150°	277.2	266.6	256.6	248.8	241.6	234.5	230.5	227.0	226.8	228.8	230.7
152.5°	248.7	242.5	236.2	230.6	226.5	222.6	219.6	216.9	215.1	213.4	210.9
155°	226.1	222.3	218.6	215.0	211.8	209.1	206.7	204.5	202.0	199.4	197.4
157.5°	205.6	202.9	200.3	197.8	195.4	193.1	190.8	188.5	186.2	181.7	176.9
160°	183.3	181.7	180.2	178.5	176.7	174.8	172.2	168.9	165.4	161.5	156.9
162.5°	161.0	160.0	158.8	157.2	155.4	153.2	150.7	147.8	144.5	140.8	136.8
165°	138.2	137.3	136.3	135.0	133.5	131.7	129.6	127.1	124.3	120.9	117.2
167.5°	116.8	116.2	115.4	114.3	112.9	111.0	108.9	106.5	103.9	101.1	98.1
170°	95.6	94.8	93.9	92.7	91.3	89.8	88.2	86.5	84.6	82.6	80.4
172.5°	74.3	73.7	73.1	72.3	71.3	70.3	69.1	67.8	66.4	64.5	62.3
175°	52.7	52.0	51.2	50.4	49.4	48.4	47.2	46.0	44.7	43.3	41.9
177.5°	26.5	26.3	26.0	25.6	25.2	24.8	24.3	23.8	23.2	22.6	22.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	21.3	20.6	19.8	19.0	18.2	17.4	16.5	15.6	14.7	13.8	12.8
5°	40.3	38.7	37.1	35.5	34.0	32.3	30.6	28.9	27.1	25.3	23.4
7.5°	60.1	57.7	55.2	52.6	50.0	47.2	44.4	41.8	39.2	36.5	33.7
10°	78.0	75.5	73.0	69.5	66.0	62.4	58.7	54.9	51.0	47.4	43.9
12.5°	95.0	91.9	88.5	84.9	81.2	77.1	72.6	67.9	63.2	58.3	53.8
15°	113.3	109.1	105.2	100.3	95.7	91.0	86.0	80.6	75.0	69.4	63.6
17.5°	133.0	127.3	122.0	116.4	110.7	105.0	99.0	92.9	86.6	80.1	73.6
20°	151.6	146.0	139.9	133.4	126.5	119.4	112.4	105.2	97.8	90.6	83.3
22.5°	171.8	165.4	158.3	150.8	142.9	134.7	126.2	117.9	109.3	100.8	92.8
25°	190.8	184.7	177.7	169.0	161.7	154.3	146.6	138.7	130.8	122.6	114.7
27.5°	210.4	207.3	202.4	196.7	189.1	181.2	173.0	164.4	155.9	147.2	138.4
30°	230.9	230.5	227.7	222.1	215.7	207.4	198.8	189.8	181.0	171.4	162.1
32.5°	250.0	250.4	249.9	246.4	240.3	232.8	224.0	214.7	204.9	195.2	185.4
35°	267.0	269.0	269.3	268.7	263.8	257.1	248.4	239.7	228.9	218.6	208.6
37.5°	283.9	285.7	287.9	287.8	287.3	279.8	272.1	262.8	252.6	241.7	231.4
40°	301.0	302.0	304.4	306.3	305.8	302.0	294.8	285.7	275.8	264.7	254.0
42.5°	318.5	318.7	320.4	323.2	324.2	323.7	316.4	308.1	298.6	287.3	276.3
45°	338.9	334.7	336.5	339.1	342.1	341.9	337.5	329.8	320.5	309.7	298.2
47.5°	358.7	353.7	352.3	354.7	358.3	362.2	364.1	358.1	348.7	336.3	321.5
50°	383.8	374.9	382.3	394.7	404.0	408.2	406.5	396.6	382.8	366.0	346.2
52.5°	432.6	431.7	440.3	450.6	458.0	457.8	450.7	437.2	418.8	397.1	372.2
55°	489.4	488.7	495.8	508.2	515.0	510.1	498.0	479.8	456.4	429.3	399.2
57.5°	543.7	542.2	548.8	565.2	572.1	565.7	548.0	524.2	495.4	462.6	427.0
60°	593.4	593.3	602.5	619.4	630.5	624.4	600.7	570.2	535.5	497.0	455.7
62.5°	643.0	643.1	653.6	671.9	690.1	685.9	655.2	617.6	576.7	532.3	484.9
65°	690.4	689.3	702.3	722.9	750.5	745.7	711.3	666.7	618.9	568.4	514.8
67.5°	734.6	732.4	748.8	773.2	804.1	804.4	769.1	717.0	661.9	605.0	545.0
70°	776.2	775.6	794.8	820.9	846.8	843.7	801.6	739.6	676.3	614.7	551.5
72.5°	814.8	811.5	824.8	844.0	858.8	851.2	808.2	744.3	678.9	617.2	554.0
75°	849.4	844.2	853.4	869.8	875.2	860.3	814.2	748.3	680.7	618.9	555.8
77.5°	882.9	876.8	882.4	898.0	895.2	870.6	819.4	751.7	681.6	619.9	557.0
80°	915.7	909.4	912.0	927.9	917.8	881.5	823.8	754.3	681.8	620.3	557.6
82.5°	947.7	942.0	942.0	959.2	942.2	892.6	827.3	756.0	681.2	619.9	559.6
85°	979.3	974.5	972.5	991.2	967.5	906.2	832.2	758.9	681.2	620.2	558.0
87.5°	1010.5	1007.0	1003.3	1023.7	993.6	914.4	831.9	757.2	678.0	617.6	556.3
90°	1041.4	1039.3	1035.1	1055.3	1017.1	922.7	831.7	755.4	674.8	615.1	554.7
92.5°	1010.5	1007.0	1003.3	1023.7	993.6	914.4	831.9	757.2	678.0	617.6	556.3
95°	979.3	974.5	972.5	991.2	967.5	906.2	832.2	758.9	681.2	620.2	558.0
97.5°	947.7	942.0	942.0	959.2	942.2	892.6	827.3	756.0	681.2	619.9	559.6
100°	915.7	909.4	912.0	927.9	917.8	881.5	823.8	754.3	681.8	620.3	557.6
102.5°	882.9	876.8	882.4	898.0	895.2	870.6	819.4	751.7	681.6	619.9	557.0
105°	849.4	844.2	853.4	869.8	875.2	860.3	814.2	748.3	680.7	618.9	555.8
107.5°	814.8	811.5	824.8	844.0	858.8	851.2	808.2	744.3	678.9	617.2	554.0
110°	776.2	775.6	794.8	820.9	846.8	843.7	801.6	739.6	676.3	614.7	551.5



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	734.6	732.4	748.8	773.2	804.1	804.4	769.1	717.0	661.9	605.0	545.0
115°	690.4	689.3	702.3	722.9	750.5	745.7	711.3	666.7	618.9	568.4	514.8
117.5°	643.0	643.1	653.6	671.9	690.1	685.9	655.2	617.6	576.7	532.3	484.9
120°	593.4	593.3	602.5	619.4	630.5	624.4	600.7	570.2	535.5	497.0	455.7
122.5°	543.7	542.2	548.8	565.2	572.1	565.7	548.0	524.2	495.4	462.6	427.0
125°	489.4	488.7	495.8	508.2	515.0	510.1	498.0	479.8	456.4	429.3	399.2
127.5°	432.6	431.7	440.3	450.6	458.0	457.8	450.7	437.2	418.8	397.1	372.2
130°	383.8	374.9	382.3	394.7	404.0	408.2	406.5	396.6	382.8	366.0	346.2
132.5°	358.7	353.7	352.3	354.7	358.3	362.2	364.1	358.1	348.7	336.3	321.5
135°	338.9	334.7	336.5	339.1	342.1	341.9	337.5	329.8	320.5	309.7	298.2
137.5°	318.5	318.7	320.4	323.2	324.2	323.7	316.4	308.1	298.6	287.3	276.3
140°	301.0	302.0	304.4	306.3	305.8	302.0	294.8	285.7	275.8	264.7	254.0
142.5°	283.9	285.7	287.9	287.8	287.3	279.8	272.1	262.8	252.6	241.7	231.4
145°	267.0	269.0	269.3	268.7	263.8	257.1	248.4	239.7	228.9	218.6	208.6
147.5°	250.0	250.4	249.9	246.4	240.3	232.8	224.0	214.7	204.9	195.2	185.4
150°	230.9	230.5	227.7	222.1	215.7	207.4	198.8	189.8	181.0	171.4	162.1
152.5°	210.4	207.3	202.4	196.7	189.1	181.2	173.0	164.4	155.9	147.2	138.4
155°	190.8	184.7	177.7	169.0	161.7	154.3	146.6	138.7	130.8	122.6	114.7
157.5°	171.8	165.4	158.3	150.8	142.9	134.7	126.2	117.9	109.3	100.8	92.8
160°	151.6	146.0	139.9	133.4	126.5	119.4	112.4	105.2	97.8	90.6	83.3
162.5°	133.0	127.3	122.0	116.4	110.7	105.0	99.0	92.9	86.6	80.1	73.6
165°	113.3	109.1	105.2	100.3	95.7	91.0	86.0	80.6	75.0	69.4	63.6
167.5°	95.0	91.9	88.5	84.9	81.2	77.1	72.6	67.9	63.2	58.3	53.8
170°	78.0	75.5	73.0	69.5	66.0	62.4	58.7	54.9	51.0	47.4	43.9
172.5°	60.1	57.7	55.2	52.6	50.0	47.2	44.4	41.8	39.2	36.5	33.7
175°	40.3	38.7	37.1	35.5	34.0	32.3	30.6	28.9	27.1	25.3	23.4
177.5°	21.3	20.6	19.8	19.0	18.2	17.4	16.5	15.6	14.7	13.8	12.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	11.9	10.9	9.8	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2
5°	21.5	19.5	17.5	15.5	15.4	15.2	15.0	14.8	14.5	14.2	13.9
7.5°	30.9	28.1	25.2	22.2	21.9	21.6	21.2	20.9	20.4	20.0	19.5
10°	40.2	36.5	32.8	28.9	28.5	28.0	27.4	26.8	26.1	25.5	25.2
12.5°	49.4	44.9	40.3	35.7	35.0	34.2	33.4	32.6	31.9	31.5	31.0
15°	58.3	53.1	47.8	42.4	41.4	40.4	39.3	38.3	37.8	37.3	36.7
17.5°	67.2	61.2	55.2	49.1	47.8	46.5	45.2	44.3	43.7	43.0	42.3
20°	75.9	69.2	62.6	55.8	54.2	52.6	51.0	50.2	49.5	48.7	47.7
22.5°	84.7	77.1	69.9	62.5	60.6	58.6	57.0	56.1	55.2	54.2	53.1
25°	106.6	98.5	90.8	82.6	79.9	76.9	74.4	72.2	69.7	67.2	64.5
27.5°	129.5	120.4	111.8	102.8	99.3	95.4	92.4	89.3	86.0	82.7	79.2
30°	152.3	142.2	132.8	122.9	118.5	113.8	110.0	105.9	101.8	97.6	93.2
32.5°	175.1	164.2	153.8	143.0	137.7	132.2	127.3	122.2	117.2	112.0	106.5
35°	197.8	186.1	174.8	163.2	156.8	150.4	144.3	138.2	132.1	125.7	119.2
37.5°	220.4	208.0	195.7	183.3	175.9	168.4	161.0	153.8	146.9	139.0	131.5
40°	243.0	229.9	216.7	203.4	194.9	186.2	177.4	169.1	160.6	151.7	143.3
42.5°	265.5	251.7	237.7	223.6	213.8	203.8	194.0	184.2	174.2	164.4	154.6
45°	287.5	273.5	258.7	243.7	232.7	221.3	209.8	198.9	187.5	176.1	165.4
47.5°	307.3	290.4	272.6	255.1	241.9	228.7	216.2	204.9	193.5	182.8	172.2
50°	327.6	307.4	286.5	266.5	250.8	235.6	221.4	208.9	197.0	186.3	175.0
52.5°	348.7	324.7	300.6	277.9	259.7	242.2	226.6	212.9	200.6	190.0	178.3
55°	370.3	342.2	314.7	289.3	268.4	248.7	231.6	217.0	204.5	194.0	182.1
57.5°	392.5	360.0	328.9	300.8	277.1	255.1	236.5	221.3	208.6	198.1	186.3
60°	415.2	377.9	343.1	312.2	285.7	261.4	241.4	225.5	213.0	202.4	191.4
62.5°	438.3	396.0	357.4	323.6	294.2	267.6	246.2	229.9	217.6	207.0	196.4
65°	461.8	414.2	371.8	335.0	302.7	273.7	251.0	234.3	222.3	212.0	202.2
67.5°	485.5	432.5	386.1	346.4	311.1	279.8	255.8	238.9	227.1	217.2	208.3
70°	490.1	436.5	388.5	346.8	309.7	278.1	254.2	237.6	226.4	217.5	210.0
72.5°	492.8	439.7	390.8	347.2	308.2	276.3	252.4	235.5	224.5	216.0	209.0
75°	495.0	442.9	394.6	347.6	306.7	274.6	250.6	233.5	222.7	214.7	208.3
77.5°	496.9	445.8	396.3	348.0	305.3	273.1	249.0	231.5	220.9	213.5	207.6
80°	498.3	450.1	398.0	348.3	303.9	271.7	247.5	229.7	219.3	212.5	207.1
82.5°	500.6	451.9	399.7	348.7	302.6	270.4	246.2	228.0	217.8	211.7	206.7
85°	500.6	453.8	401.4	349.1	301.4	269.2	245.0	226.4	216.4	210.9	206.5
87.5°	500.6	455.6	403.1	349.5	300.3	268.2	243.9	224.9	215.0	210.3	206.3
90°	500.6	457.5	404.8	349.9	299.2	267.3	243.0	223.6	213.8	209.7	206.2
92.5°	500.6	455.6	403.1	349.5	300.3	268.2	243.9	224.9	215.0	210.3	206.3
95°	500.6	453.8	401.4	349.1	301.4	269.2	245.0	226.4	216.4	210.9	206.5
97.5°	500.6	451.9	399.7	348.7	302.6	270.4	246.2	228.0	217.8	211.7	206.7
100°	498.3	450.1	398.0	348.3	303.9	271.7	247.5	229.7	219.3	212.5	207.1
102.5°	496.9	445.8	396.3	348.0	305.3	273.1	249.0	231.5	220.9	213.5	207.6
105°	495.0	442.9	394.6	347.6	306.7	274.6	250.6	233.5	222.7	214.7	208.3
107.5°	492.8	439.7	390.8	347.2	308.2	276.3	252.4	235.5	224.5	216.0	209.0
110°	490.1	436.5	388.5	346.8	309.7	278.1	254.2	237.6	226.4	217.5	210.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	485.5	432.5	386.1	346.4	311.1	279.8	255.8	238.9	227.1	217.2	208.3
115°	461.8	414.2	371.8	335.0	302.7	273.7	251.0	234.3	222.3	212.0	202.2
117.5°	438.3	396.0	357.4	323.6	294.2	267.6	246.2	229.9	217.6	207.0	196.4
120°	415.2	377.9	343.1	312.2	285.7	261.4	241.4	225.5	213.0	202.4	191.4
122.5°	392.5	360.0	328.9	300.8	277.1	255.1	236.5	221.3	208.6	198.1	186.3
125°	370.3	342.2	314.7	289.3	268.4	248.7	231.6	217.0	204.5	194.0	182.1
127.5°	348.7	324.7	300.6	277.9	259.7	242.2	226.6	212.9	200.6	190.0	178.3
130°	327.6	307.4	286.5	266.5	250.8	235.6	221.4	208.9	197.0	186.3	175.0
132.5°	307.3	290.4	272.6	255.1	241.9	228.7	216.2	204.9	193.5	182.8	172.2
135°	287.5	273.5	258.7	243.7	232.7	221.3	209.8	198.9	187.5	176.1	165.4
137.5°	265.5	251.7	237.7	223.6	213.8	203.8	194.0	184.2	174.2	164.4	154.6
140°	243.0	229.9	216.7	203.4	194.9	186.2	177.4	169.1	160.6	151.7	143.3
142.5°	220.4	208.0	195.7	183.3	175.9	168.4	161.0	153.8	146.9	139.0	131.5
145°	197.8	186.1	174.8	163.2	156.8	150.4	144.3	138.2	132.1	125.7	119.2
147.5°	175.1	164.2	153.8	143.0	137.7	132.2	127.3	122.2	117.2	112.0	106.5
150°	152.3	142.2	132.8	122.9	118.5	113.8	110.0	105.9	101.8	97.6	93.2
152.5°	129.5	120.4	111.8	102.8	99.3	95.4	92.4	89.3	86.0	82.7	79.2
155°	106.6	98.5	90.8	82.6	79.9	76.9	74.4	72.2	69.7	67.2	64.5
157.5°	84.7	77.1	69.9	62.5	60.6	58.6	57.0	56.1	55.2	54.2	53.1
160°	75.9	69.2	62.6	55.8	54.2	52.6	51.0	50.2	49.5	48.7	47.7
162.5°	67.2	61.2	55.2	49.1	47.8	46.5	45.2	44.3	43.7	43.0	42.3
165°	58.3	53.1	47.8	42.4	41.4	40.4	39.3	38.3	37.8	37.3	36.7
167.5°	49.4	44.9	40.3	35.7	35.0	34.2	33.4	32.6	31.9	31.5	31.0
170°	40.2	36.5	32.8	28.9	28.5	28.0	27.4	26.8	26.1	25.5	25.2
172.5°	30.9	28.1	25.2	22.2	21.9	21.6	21.2	20.9	20.4	20.0	19.5
175°	21.5	19.5	17.5	15.5	15.4	15.2	15.0	14.8	14.5	14.2	13.9
177.5°	11.9	10.9	9.8	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	8.0	7.9	7.7	7.5	7.4	7.2	7.0	6.8	6.6	6.3	6.1
5°	13.6	13.3	13.0	12.6	12.2	12.0	11.7	11.4	11.1	10.7	10.4
7.5°	19.0	18.7	18.4	18.1	17.7	17.3	16.9	16.4	15.9	15.4	14.8
10°	24.8	24.4	24.0	23.5	23.0	22.4	21.7	21.0	20.3	19.6	18.8
12.5°	30.5	30.0	29.3	28.6	27.9	27.1	26.3	25.5	24.5	23.5	22.5
15°	36.1	35.3	34.5	33.6	32.7	31.7	30.7	29.6	28.4	27.3	26.2
17.5°	41.4	40.5	39.5	38.5	37.4	36.2	35.0	33.8	32.6	31.3	30.1
20°	46.7	45.6	44.5	43.3	42.0	40.7	39.4	38.0	36.6	35.2	33.6
22.5°	51.9	50.7	49.4	48.0	46.6	45.2	43.7	42.1	40.5	38.8	36.9
25°	61.6	58.7	55.7	52.7	51.1	49.5	47.8	46.0	44.0	42.0	39.9
27.5°	75.5	71.9	68.2	64.4	60.6	56.8	53.1	49.5	47.2	45.0	42.7
30°	88.7	84.2	79.8	75.1	70.4	65.7	61.2	56.8	52.7	48.7	45.5
32.5°	101.2	95.9	90.3	84.5	78.8	73.3	68.1	63.2	58.6	54.4	50.5
35°	113.0	106.7	99.7	92.8	86.1	79.9	74.1	68.7	63.7	59.0	54.7
37.5°	124.3	116.3	108.0	100.1	92.5	85.8	79.3	73.4	67.9	62.9	58.3
40°	134.7	125.0	115.6	106.4	98.4	90.8	83.7	77.2	71.5	66.4	61.8
42.5°	144.1	132.9	122.3	112.5	103.6	95.2	87.4	80.8	75.0	69.7	64.7
45°	152.8	140.3	128.2	118.0	108.1	98.7	91.0	84.2	78.2	72.5	67.0
47.5°	159.3	146.6	134.2	122.9	111.9	102.4	94.3	87.5	80.9	74.5	68.8
50°	162.3	149.9	138.4	127.1	115.5	106.0	97.8	90.4	83.0	76.2	70.0
52.5°	166.0	154.0	142.8	131.4	121.1	112.0	103.7	94.3	84.7	77.4	71.0
55°	170.3	158.9	147.7	136.4	127.4	119.4	111.1	101.3	91.2	81.4	72.1
57.5°	175.2	164.2	153.1	142.6	134.5	127.6	118.6	108.4	97.7	87.1	77.5
60°	180.7	169.9	159.0	149.9	142.9	136.3	126.6	115.4	103.8	92.7	82.4
62.5°	186.6	176.0	165.4	157.8	151.9	144.7	134.4	122.4	109.6	97.9	86.7
65°	192.8	182.4	172.2	166.2	161.6	153.4	142.1	128.9	115.3	102.8	90.7
67.5°	199.4	189.3	180.4	175.3	171.9	162.5	149.8	135.2	120.9	107.5	94.3
70°	202.2	193.7	187.2	184.6	181.2	171.3	157.6	141.3	126.4	111.9	97.6
72.5°	201.6	193.7	188.0	185.2	181.4	172.9	160.7	145.9	131.6	116.3	100.6
75°	201.2	194.0	188.7	185.7	180.8	172.2	160.3	146.0	131.3	116.7	102.9
77.5°	201.1	194.6	189.4	186.1	180.3	172.2	160.7	146.4	131.5	116.8	104.0
80°	201.2	195.4	190.1	186.4	180.1	172.7	161.9	147.3	132.1	117.7	105.6
82.5°	201.6	196.5	190.9	186.6	180.1	173.8	163.8	148.6	133.3	119.2	107.6
85°	202.1	197.8	191.7	186.8	180.3	175.3	166.2	150.4	135.1	121.5	110.1
87.5°	202.7	199.1	192.7	187.1	180.7	177.1	169.0	152.7	137.4	124.3	113.1
90°	203.4	200.6	193.7	187.5	181.2	179.1	172.2	155.5	140.2	127.7	116.6
92.5°	202.7	199.1	192.7	187.1	180.7	177.1	169.0	152.7	137.4	124.3	113.1
95°	202.1	197.8	191.7	186.8	180.3	175.3	166.2	150.4	135.1	121.5	110.1
97.5°	201.6	196.5	190.9	186.6	180.1	173.8	163.8	148.6	133.3	119.2	107.6
100°	201.2	195.4	190.1	186.4	180.1	172.7	161.9	147.3	132.1	117.7	105.6
102.5°	201.1	194.6	189.4	186.1	180.3	172.2	160.7	146.4	131.5	116.8	104.0
105°	201.2	194.0	188.7	185.7	180.8	172.2	160.3	146.0	131.3	116.7	102.9
107.5°	201.6	193.7	188.0	185.2	181.4	172.9	160.7	145.9	131.6	116.3	100.6
110°	202.2	193.7	187.2	184.6	181.2	171.3	157.6	141.3	126.4	111.9	97.6



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	199.4	189.3	180.4	175.3	171.9	162.5	149.8	135.2	120.9	107.5	94.3
115°	192.8	182.4	172.2	166.2	161.6	153.4	142.1	128.9	115.3	102.8	90.7
117.5°	186.6	176.0	165.4	157.8	151.9	144.7	134.4	122.4	109.6	97.9	86.7
120°	180.7	169.9	159.0	149.9	142.9	136.3	126.6	115.4	103.8	92.7	82.4
122.5°	175.2	164.2	153.1	142.6	134.5	127.6	118.6	108.4	97.7	87.1	77.5
125°	170.3	158.9	147.7	136.4	127.4	119.4	111.1	101.3	91.2	81.4	72.1
127.5°	166.0	154.0	142.8	131.4	121.1	112.0	103.7	94.3	84.7	77.4	71.0
130°	162.3	149.9	138.4	127.1	115.5	106.0	97.8	90.4	83.0	76.2	70.0
132.5°	159.3	146.6	134.2	122.9	111.9	102.4	94.3	87.5	80.9	74.5	68.8
135°	152.8	140.3	128.2	118.0	108.1	98.7	91.0	84.2	78.2	72.5	67.0
137.5°	144.1	132.9	122.3	112.5	103.6	95.2	87.4	80.8	75.0	69.7	64.7
140°	134.7	125.0	115.6	106.4	98.4	90.8	83.7	77.2	71.5	66.4	61.8
142.5°	124.3	116.3	108.0	100.1	92.5	85.8	79.3	73.4	67.9	62.9	58.3
145°	113.0	106.7	99.7	92.8	86.1	79.9	74.1	68.7	63.7	59.0	54.7
147.5°	101.2	95.9	90.3	84.5	78.8	73.3	68.1	63.2	58.6	54.4	50.5
150°	88.7	84.2	79.8	75.1	70.4	65.7	61.2	56.8	52.7	48.7	45.5
152.5°	75.5	71.9	68.2	64.4	60.6	56.8	53.1	49.5	47.2	45.0	42.7
155°	61.6	58.7	55.7	52.7	51.1	49.5	47.8	46.0	44.0	42.0	39.9
157.5°	51.9	50.7	49.4	48.0	46.6	45.2	43.7	42.1	40.5	38.8	36.9
160°	46.7	45.6	44.5	43.3	42.0	40.7	39.4	38.0	36.6	35.2	33.6
162.5°	41.4	40.5	39.5	38.5	37.4	36.2	35.0	33.8	32.6	31.3	30.1
165°	36.1	35.3	34.5	33.6	32.7	31.7	30.7	29.6	28.4	27.3	26.2
167.5°	30.5	30.0	29.3	28.6	27.9	27.1	26.3	25.5	24.5	23.5	22.5
170°	24.8	24.4	24.0	23.5	23.0	22.4	21.7	21.0	20.3	19.6	18.8
172.5°	19.0	18.7	18.4	18.1	17.7	17.3	16.9	16.4	15.9	15.4	14.8
175°	13.6	13.3	13.0	12.6	12.2	12.0	11.7	11.4	11.1	10.7	10.4
177.5°	8.0	7.9	7.7	7.5	7.4	7.2	7.0	6.8	6.6	6.3	6.1
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	5.9	5.6	5.4	5.2	4.9	4.6	4.4	4.1	3.9	3.6	3.3
5°	10.0	9.7	9.3	8.9	8.4	8.0	7.6	7.1	6.6	6.2	5.7
7.5°	14.3	13.6	13.0	12.4	11.7	11.0	10.3	9.6	8.9	8.2	7.4
10°	18.0	17.2	16.3	15.4	14.5	13.5	12.6	11.6	10.6	9.6	8.6
12.5°	21.4	20.3	19.2	18.2	17.1	16.1	15.0	13.9	12.8	11.6	10.5
15°	25.1	23.9	22.7	21.5	20.3	19.0	17.6	16.3	14.9	13.5	12.1
17.5°	28.7	27.3	25.9	24.4	22.9	21.5	19.8	18.3	16.7	15.1	13.5
20°	32.1	30.4	28.7	27.0	25.3	23.5	21.8	20.0	18.2	16.4	14.6
22.5°	35.1	33.2	31.3	29.3	27.4	25.5	23.5	21.6	19.7	17.8	15.9
25°	37.8	35.7	33.6	31.6	29.5	27.5	25.5	23.4	21.3	19.1	17.0
27.5°	40.4	38.3	36.1	34.0	31.7	29.4	27.1	24.8	22.5	20.3	18.0
30°	43.3	41.0	38.5	36.0	33.5	31.1	28.8	26.4	24.0	21.7	19.3
32.5°	46.7	43.2	40.5	38.1	35.6	33.1	30.8	28.3	25.8	23.3	20.7
35°	50.5	46.8	43.3	40.5	38.0	35.5	32.9	30.3	27.7	24.9	22.1
37.5°	54.2	50.4	46.9	43.6	40.6	37.9	35.1	32.2	29.2	26.2	23.2
40°	57.5	53.4	49.7	46.3	43.1	40.0	36.9	33.7	30.6	27.4	24.2
42.5°	60.0	55.8	51.9	48.1	44.6	41.4	38.5	35.1	31.4	27.8	24.4
45°	62.1	57.5	53.2	49.3	45.7	42.3	38.7	35.3	31.8	28.3	24.8
47.5°	63.5	58.6	54.1	50.1	46.0	42.0	38.5	35.3	32.4	28.8	25.4
50°	64.4	59.3	54.7	50.0	45.6	41.8	38.3	35.1	32.2	29.3	25.7
52.5°	65.1	59.8	54.5	49.7	45.4	41.5	38.0	34.6	31.6	28.7	25.5
55°	65.5	59.7	54.2	49.4	45.1	41.1	37.2	33.8	30.7	27.7	25.0
57.5°	68.4	59.8	54.0	49.1	44.6	40.1	36.4	33.1	30.0	27.0	24.3
60°	72.5	63.5	55.6	48.7	43.5	39.5	35.9	32.6	29.4	26.5	23.7
62.5°	76.1	66.5	58.6	50.7	43.9	39.3	35.6	32.3	29.2	26.3	23.3
65°	79.2	69.8	61.2	53.0	46.6	40.6	35.5	32.2	29.3	25.9	22.3
67.5°	82.3	73.0	63.5	55.7	48.8	42.5	37.2	32.9	29.2	25.4	21.8
70°	85.8	75.7	66.2	58.1	50.8	44.2	38.8	33.8	29.0	25.3	21.1
72.5°	89.4	78.5	69.0	60.5	52.6	45.7	39.9	33.8	28.8	24.4	20.3
75°	92.2	81.6	71.7	62.7	54.1	47.1	40.0	33.3	27.5	22.5	18.8
77.5°	93.2	82.7	73.2	64.3	55.7	48.1	39.9	32.3	25.8	20.4	16.3
80°	94.6	83.9	74.3	64.9	56.2	48.0	39.4	31.1	24.0	18.1	13.4
82.5°	96.6	85.5	75.8	65.8	56.8	48.0	39.0	30.8	23.1	16.1	10.4
85°	99.0	87.5	77.8	67.2	57.8	48.5	39.2	31.1	23.0	15.9	9.5
87.5°	102.0	90.0	80.3	69.0	59.1	49.6	40.1	32.2	23.6	16.2	9.6
90°	105.5	93.0	83.3	71.5	61.1	51.4	41.7	34.0	25.0	17.4	10.4
92.5°	102.0	90.0	80.3	69.0	59.1	49.6	40.1	32.2	23.6	16.2	9.6
95°	99.0	87.5	77.8	67.2	57.8	48.5	39.2	31.1	23.0	15.9	9.5
97.5°	96.6	85.5	75.8	65.8	56.8	48.0	39.0	30.8	23.1	16.1	10.4
100°	94.6	83.9	74.3	64.9	56.2	48.0	39.4	31.1	24.0	18.1	13.4
102.5°	93.2	82.7	73.2	64.3	55.7	48.1	39.9	32.3	25.8	20.4	16.3
105°	92.2	81.6	71.7	62.7	54.1	47.1	40.0	33.3	27.5	22.5	18.8
107.5°	89.4	78.5	69.0	60.5	52.6	45.7	39.9	33.8	28.8	24.4	20.3
110°	85.8	75.7	66.2	58.1	50.8	44.2	38.8	33.8	29.0	25.3	21.1



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	82.3	73.0	63.5	55.7	48.8	42.5	37.2	32.9	29.2	25.4	21.8
115°	79.2	69.8	61.2	53.0	46.6	40.6	35.5	32.2	29.3	25.9	22.3
117.5°	76.1	66.5	58.6	50.7	43.9	39.3	35.6	32.3	29.2	26.3	23.3
120°	72.5	63.5	55.6	48.7	43.5	39.5	35.9	32.6	29.4	26.5	23.7
122.5°	68.4	59.8	54.0	49.1	44.6	40.1	36.4	33.1	30.0	27.0	24.3
125°	65.5	59.7	54.2	49.4	45.1	41.1	37.2	33.8	30.7	27.7	25.0
127.5°	65.1	59.8	54.5	49.7	45.4	41.5	38.0	34.6	31.6	28.7	25.5
130°	64.4	59.3	54.7	50.0	45.6	41.8	38.3	35.1	32.2	29.3	25.7
132.5°	63.5	58.6	54.1	50.1	46.0	42.0	38.5	35.3	32.4	28.8	25.4
135°	62.1	57.5	53.2	49.3	45.7	42.3	38.7	35.3	31.8	28.3	24.8
137.5°	60.0	55.8	51.9	48.1	44.6	41.4	38.5	35.1	31.4	27.8	24.4
140°	57.5	53.4	49.7	46.3	43.1	40.0	36.9	33.7	30.6	27.4	24.2
142.5°	54.2	50.4	46.9	43.6	40.6	37.9	35.1	32.2	29.2	26.2	23.2
145°	50.5	46.8	43.3	40.5	38.0	35.5	32.9	30.3	27.7	24.9	22.1
147.5°	46.7	43.2	40.5	38.1	35.6	33.1	30.8	28.3	25.8	23.3	20.7
150°	43.3	41.0	38.5	36.0	33.5	31.1	28.8	26.4	24.0	21.7	19.3
152.5°	40.4	38.3	36.1	34.0	31.7	29.4	27.1	24.8	22.5	20.3	18.0
155°	37.8	35.7	33.6	31.6	29.5	27.5	25.5	23.4	21.3	19.1	17.0
157.5°	35.1	33.2	31.3	29.3	27.4	25.5	23.5	21.6	19.7	17.8	15.9
160°	32.1	30.4	28.7	27.0	25.3	23.5	21.8	20.0	18.2	16.4	14.6
162.5°	28.7	27.3	25.9	24.4	22.9	21.5	19.8	18.3	16.7	15.1	13.5
165°	25.1	23.9	22.7	21.5	20.3	19.0	17.6	16.3	14.9	13.5	12.1
167.5°	21.4	20.3	19.2	18.2	17.1	16.1	15.0	13.9	12.8	11.6	10.5
170°	18.0	17.2	16.3	15.4	14.5	13.5	12.6	11.6	10.6	9.6	8.6
172.5°	14.3	13.6	13.0	12.4	11.7	11.0	10.3	9.6	8.9	8.2	7.4
175°	10.0	9.7	9.3	8.9	8.4	8.0	7.6	7.1	6.6	6.2	5.7
177.5°	5.9	5.6	5.4	5.2	4.9	4.6	4.4	4.1	3.9	3.6	3.3
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.7	1.9	2.2	2.5
5°	5.2	4.7	4.2	3.7	3.1	2.6	2.1	2.6	3.1	3.7	4.2
7.5°	6.7	5.9	5.2	4.4	3.6	2.9	2.1	2.9	3.6	4.4	5.2
10°	7.6	6.5	5.5	4.5	3.4	2.4	1.4	2.4	3.4	4.5	5.5
12.5°	9.3	8.2	7.0	5.8	4.5	3.3	2.1	3.3	4.5	5.8	7.0
15°	10.7	9.3	7.9	6.4	5.0	3.5	2.1	3.5	5.0	6.4	7.9
17.5°	11.8	10.2	8.6	7.0	5.4	3.7	2.1	3.7	5.4	7.0	8.6
20°	12.9	11.1	9.3	7.5	5.7	3.9	2.1	3.9	5.7	7.5	9.3
22.5°	13.9	12.0	10.0	8.0	6.1	4.1	2.1	4.1	6.1	8.0	10.0
25°	14.8	12.7	10.6	8.5	6.3	4.2	2.1	4.2	6.3	8.5	10.6
27.5°	15.8	13.5	11.2	9.0	6.7	4.4	2.1	4.4	6.7	9.0	11.2
30°	16.9	14.5	12.0	9.6	7.1	4.6	2.1	4.6	7.1	9.6	12.0
32.5°	18.1	15.5	12.9	10.2	7.5	4.8	2.1	4.8	7.5	10.2	12.9
35°	19.2	16.4	13.5	10.7	7.8	5.0	2.1	5.0	7.8	10.7	13.5
37.5°	20.2	17.2	14.2	11.2	8.1	5.1	2.1	5.1	8.1	11.2	14.2
40°	20.8	17.6	14.4	11.3	8.2	5.1	2.1	5.1	8.2	11.3	14.4
42.5°	21.1	17.8	14.6	11.5	8.3	5.2	2.1	5.2	8.3	11.5	14.6
45°	21.5	18.3	15.1	12.0	8.9	5.9	2.8	5.9	8.9	12.0	15.1
47.5°	22.0	18.7	15.4	12.2	9.1	5.9	2.8	5.9	9.1	12.2	15.4
50°	22.2	18.7	15.3	12.1	8.9	5.8	2.8	5.8	8.9	12.1	15.3
52.5°	21.8	18.4	15.1	12.0	8.9	5.8	2.8	5.8	8.9	12.0	15.1
55°	21.7	18.3	15.0	11.8	8.8	5.8	2.8	5.8	8.8	11.8	15.0
57.5°	21.5	18.1	14.8	11.7	8.6	5.7	2.8	5.7	8.6	11.7	14.8
60°	20.9	17.7	14.3	11.2	8.3	5.5	2.8	5.5	8.3	11.2	14.3
62.5°	19.9	16.7	13.4	10.4	7.7	5.2	2.8	5.2	7.7	10.4	13.4
65°	18.9	15.5	12.3	9.7	7.2	5.0	2.8	5.0	7.2	9.7	12.3
67.5°	18.1	14.6	11.5	8.9	6.7	4.7	2.8	4.7	6.7	8.9	11.5
70°	17.2	13.8	10.6	7.7	5.6	4.1	2.8	4.1	5.6	7.7	10.6
72.5°	16.5	12.8	9.2	6.4	5.1	4.2	3.5	4.2	5.1	6.4	9.2
75°	15.8	11.9	8.6	5.9	4.4	3.8	3.5	3.8	4.4	5.9	8.6
77.5°	13.3	11.1	7.6	4.4	1.6	0.4	0.0	0.4	1.6	4.4	7.6
80°	9.9	7.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
82.5°	6.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	6.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	9.9	7.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
102.5°	13.3	11.1	7.6	4.4	1.6	0.4	0.0	0.4	1.6	4.4	7.6
105°	15.8	11.9	8.6	5.9	4.4	3.8	3.5	3.8	4.4	5.9	8.6
107.5°	16.5	12.8	9.2	6.4	5.1	4.2	3.5	4.2	5.1	6.4	9.2
110°	17.2	13.8	10.6	7.7	5.6	4.1	2.8	4.1	5.6	7.7	10.6



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	18.1	14.6	11.5	8.9	6.7	4.7	2.8	4.7	6.7	8.9	11.5
115°	18.9	15.5	12.3	9.7	7.2	5.0	2.8	5.0	7.2	9.7	12.3
117.5°	19.9	16.7	13.4	10.4	7.7	5.2	2.8	5.2	7.7	10.4	13.4
120°	20.9	17.7	14.3	11.2	8.3	5.5	2.8	5.5	8.3	11.2	14.3
122.5°	21.5	18.1	14.8	11.7	8.6	5.7	2.8	5.7	8.6	11.7	14.8
125°	21.7	18.3	15.0	11.8	8.8	5.8	2.8	5.8	8.8	11.8	15.0
127.5°	21.8	18.4	15.1	12.0	8.9	5.8	2.8	5.8	8.9	12.0	15.1
130°	22.2	18.7	15.3	12.1	8.9	5.8	2.8	5.8	8.9	12.1	15.3
132.5°	22.0	18.7	15.4	12.2	9.1	5.9	2.8	5.9	9.1	12.2	15.4
135°	21.5	18.3	15.1	12.0	8.9	5.9	2.8	5.9	8.9	12.0	15.1
137.5°	21.1	17.8	14.6	11.5	8.3	5.2	2.1	5.2	8.3	11.5	14.6
140°	20.8	17.6	14.4	11.3	8.2	5.1	2.1	5.1	8.2	11.3	14.4
142.5°	20.2	17.2	14.2	11.2	8.1	5.1	2.1	5.1	8.1	11.2	14.2
145°	19.2	16.4	13.5	10.7	7.8	5.0	2.1	5.0	7.8	10.7	13.5
147.5°	18.1	15.5	12.9	10.2	7.5	4.8	2.1	4.8	7.5	10.2	12.9
150°	16.9	14.5	12.0	9.6	7.1	4.6	2.1	4.6	7.1	9.6	12.0
152.5°	15.8	13.5	11.2	9.0	6.7	4.4	2.1	4.4	6.7	9.0	11.2
155°	14.8	12.7	10.6	8.5	6.3	4.2	2.1	4.2	6.3	8.5	10.6
157.5°	13.9	12.0	10.0	8.0	6.1	4.1	2.1	4.1	6.1	8.0	10.0
160°	12.9	11.1	9.3	7.5	5.7	3.9	2.1	3.9	5.7	7.5	9.3
162.5°	11.8	10.2	8.6	7.0	5.4	3.7	2.1	3.7	5.4	7.0	8.6
165°	10.7	9.3	7.9	6.4	5.0	3.5	2.1	3.5	5.0	6.4	7.9
167.5°	9.3	8.2	7.0	5.8	4.5	3.3	2.1	3.3	4.5	5.8	7.0
170°	7.6	6.5	5.5	4.5	3.4	2.4	1.4	2.4	3.4	4.5	5.5
172.5°	6.7	5.9	5.2	4.4	3.6	2.9	2.1	2.9	3.6	4.4	5.2
175°	5.2	4.7	4.2	3.7	3.1	2.6	2.1	2.6	3.1	3.7	4.2
177.5°	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.7	1.9	2.2	2.5
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.4
5°	4.7	5.2	5.7	6.2	6.6	7.1	7.6	8.0	8.4	8.9	9.3
7.5°	5.9	6.7	7.4	8.2	8.9	9.6	10.3	11.0	11.7	12.4	13.0
10°	6.5	7.6	8.6	9.6	10.6	11.6	12.6	13.5	14.5	15.4	16.3
12.5°	8.2	9.3	10.5	11.6	12.8	13.9	15.0	16.1	17.1	18.2	19.2
15°	9.3	10.7	12.1	13.5	14.9	16.3	17.6	19.0	20.3	21.5	22.7
17.5°	10.2	11.8	13.5	15.1	16.7	18.3	19.8	21.5	22.9	24.4	25.9
20°	11.1	12.9	14.6	16.4	18.2	20.0	21.8	23.5	25.3	27.0	28.7
22.5°	12.0	13.9	15.9	17.8	19.7	21.6	23.5	25.5	27.4	29.3	31.3
25°	12.7	14.8	17.0	19.1	21.3	23.4	25.5	27.5	29.5	31.6	33.6
27.5°	13.5	15.8	18.0	20.3	22.5	24.8	27.1	29.4	31.7	34.0	36.1
30°	14.5	16.9	19.3	21.7	24.0	26.4	28.8	31.1	33.5	36.0	38.5
32.5°	15.5	18.1	20.7	23.3	25.8	28.3	30.8	33.1	35.6	38.1	40.5
35°	16.4	19.2	22.1	24.9	27.7	30.3	32.9	35.5	38.0	40.5	43.3
37.5°	17.2	20.2	23.2	26.2	29.2	32.2	35.1	37.9	40.6	43.6	46.9
40°	17.6	20.8	24.2	27.4	30.6	33.7	36.9	40.0	43.1	46.3	49.7
42.5°	17.8	21.1	24.4	27.8	31.4	35.1	38.5	41.4	44.6	48.1	51.9
45°	18.3	21.5	24.8	28.3	31.8	35.3	38.7	42.3	45.7	49.3	53.2
47.5°	18.7	22.0	25.4	28.8	32.4	35.3	38.5	42.0	46.0	50.1	54.1
50°	18.7	22.2	25.7	29.3	32.2	35.1	38.3	41.8	45.6	50.0	54.7
52.5°	18.4	21.8	25.5	28.7	31.6	34.6	38.0	41.5	45.4	49.7	54.5
55°	18.3	21.7	25.0	27.7	30.7	33.8	37.2	41.1	45.1	49.4	54.2
57.5°	18.1	21.5	24.3	27.0	30.0	33.1	36.4	40.1	44.6	49.1	54.0
60°	17.7	20.9	23.7	26.5	29.4	32.6	35.9	39.5	43.5	48.7	55.6
62.5°	16.7	19.9	23.3	26.3	29.2	32.3	35.6	39.3	43.9	50.7	58.6
65°	15.5	18.9	22.3	25.9	29.3	32.2	35.5	40.6	46.6	53.0	61.2
67.5°	14.6	18.1	21.8	25.4	29.2	32.9	37.2	42.5	48.8	55.7	63.5
70°	13.8	17.2	21.1	25.3	29.0	33.8	38.8	44.2	50.8	58.1	66.2
72.5°	12.8	16.5	20.3	24.4	28.8	33.8	39.9	45.7	52.6	60.5	69.0
75°	11.9	15.8	18.8	22.5	27.5	33.3	40.0	47.1	54.1	62.7	71.7
77.5°	11.1	13.3	16.3	20.4	25.8	32.3	39.9	48.1	55.7	64.3	73.2
80°	7.8	9.9	13.4	18.1	24.0	31.1	39.4	48.0	56.2	64.9	74.3
82.5°	3.8	6.5	10.4	16.1	23.1	30.8	39.0	48.0	56.8	65.8	75.8
85°	1.1	4.5	9.5	15.9	23.0	31.1	39.2	48.5	57.8	67.2	77.8
87.5°	0.4	4.4	9.6	16.2	23.6	32.2	40.1	49.6	59.1	69.0	80.3
90°	0.0	4.9	10.4	17.4	25.0	34.0	41.7	51.4	61.1	71.5	83.3
92.5°	0.4	4.4	9.6	16.2	23.6	32.2	40.1	49.6	59.1	69.0	80.3
95°	1.1	4.5	9.5	15.9	23.0	31.1	39.2	48.5	57.8	67.2	77.8
97.5°	3.8	6.5	10.4	16.1	23.1	30.8	39.0	48.0	56.8	65.8	75.8
100°	7.8	9.9	13.4	18.1	24.0	31.1	39.4	48.0	56.2	64.9	74.3
102.5°	11.1	13.3	16.3	20.4	25.8	32.3	39.9	48.1	55.7	64.3	73.2
105°	11.9	15.8	18.8	22.5	27.5	33.3	40.0	47.1	54.1	62.7	71.7
107.5°	12.8	16.5	20.3	24.4	28.8	33.8	39.9	45.7	52.6	60.5	69.0
110°	13.8	17.2	21.1	25.3	29.0	33.8	38.8	44.2	50.8	58.1	66.2



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	14.6	18.1	21.8	25.4	29.2	32.9	37.2	42.5	48.8	55.7	63.5
115°	15.5	18.9	22.3	25.9	29.3	32.2	35.5	40.6	46.6	53.0	61.2
117.5°	16.7	19.9	23.3	26.3	29.2	32.3	35.6	39.3	43.9	50.7	58.6
120°	17.7	20.9	23.7	26.5	29.4	32.6	35.9	39.5	43.5	48.7	55.6
122.5°	18.1	21.5	24.3	27.0	30.0	33.1	36.4	40.1	44.6	49.1	54.0
125°	18.3	21.7	25.0	27.7	30.7	33.8	37.2	41.1	45.1	49.4	54.2
127.5°	18.4	21.8	25.5	28.7	31.6	34.6	38.0	41.5	45.4	49.7	54.5
130°	18.7	22.2	25.7	29.3	32.2	35.1	38.3	41.8	45.6	50.0	54.7
132.5°	18.7	22.0	25.4	28.8	32.4	35.3	38.5	42.0	46.0	50.1	54.1
135°	18.3	21.5	24.8	28.3	31.8	35.3	38.7	42.3	45.7	49.3	53.2
137.5°	17.8	21.1	24.4	27.8	31.4	35.1	38.5	41.4	44.6	48.1	51.9
140°	17.6	20.8	24.2	27.4	30.6	33.7	36.9	40.0	43.1	46.3	49.7
142.5°	17.2	20.2	23.2	26.2	29.2	32.2	35.1	37.9	40.6	43.6	46.9
145°	16.4	19.2	22.1	24.9	27.7	30.3	32.9	35.5	38.0	40.5	43.3
147.5°	15.5	18.1	20.7	23.3	25.8	28.3	30.8	33.1	35.6	38.1	40.5
150°	14.5	16.9	19.3	21.7	24.0	26.4	28.8	31.1	33.5	36.0	38.5
152.5°	13.5	15.8	18.0	20.3	22.5	24.8	27.1	29.4	31.7	34.0	36.1
155°	12.7	14.8	17.0	19.1	21.3	23.4	25.5	27.5	29.5	31.6	33.6
157.5°	12.0	13.9	15.9	17.8	19.7	21.6	23.5	25.5	27.4	29.3	31.3
160°	11.1	12.9	14.6	16.4	18.2	20.0	21.8	23.5	25.3	27.0	28.7
162.5°	10.2	11.8	13.5	15.1	16.7	18.3	19.8	21.5	22.9	24.4	25.9
165°	9.3	10.7	12.1	13.5	14.9	16.3	17.6	19.0	20.3	21.5	22.7
167.5°	8.2	9.3	10.5	11.6	12.8	13.9	15.0	16.1	17.1	18.2	19.2
170°	6.5	7.6	8.6	9.6	10.6	11.6	12.6	13.5	14.5	15.4	16.3
172.5°	5.9	6.7	7.4	8.2	8.9	9.6	10.3	11.0	11.7	12.4	13.0
175°	4.7	5.2	5.7	6.2	6.6	7.1	7.6	8.0	8.4	8.9	9.3
177.5°	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.4
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.2	7.4	7.5	7.7
5°	9.7	10.0	10.4	10.7	11.1	11.4	11.7	12.0	12.2	12.6	13.0
7.5°	13.6	14.3	14.8	15.4	15.9	16.4	16.9	17.3	17.7	18.1	18.4
10°	17.2	18.0	18.8	19.6	20.3	21.0	21.7	22.4	23.0	23.5	24.0
12.5°	20.3	21.4	22.5	23.5	24.5	25.5	26.3	27.1	27.9	28.6	29.3
15°	23.9	25.1	26.2	27.3	28.4	29.6	30.7	31.7	32.7	33.6	34.5
17.5°	27.3	28.7	30.1	31.3	32.6	33.8	35.0	36.2	37.4	38.5	39.5
20°	30.4	32.1	33.6	35.2	36.6	38.0	39.4	40.7	42.0	43.3	44.5
22.5°	33.2	35.1	36.9	38.8	40.5	42.1	43.7	45.2	46.6	48.0	49.4
25°	35.7	37.8	39.9	42.0	44.0	46.0	47.8	49.5	51.1	52.7	55.7
27.5°	38.3	40.4	42.7	45.0	47.2	49.5	53.1	56.8	60.6	64.4	68.2
30°	41.0	43.3	45.5	48.7	52.7	56.8	61.2	65.7	70.4	75.1	79.8
32.5°	43.2	46.7	50.5	54.4	58.6	63.2	68.1	73.3	78.8	84.5	90.3
35°	46.8	50.5	54.7	59.0	63.7	68.7	74.1	79.9	86.1	92.8	99.7
37.5°	50.4	54.2	58.3	62.9	67.9	73.4	79.3	85.8	92.5	100.1	108.0
40°	53.4	57.5	61.8	66.4	71.5	77.2	83.7	90.8	98.4	106.4	115.6
42.5°	55.8	60.0	64.7	69.7	75.0	80.8	87.4	95.2	103.6	112.5	122.3
45°	57.5	62.1	67.0	72.5	78.2	84.2	91.0	98.7	108.1	118.0	128.2
47.5°	58.6	63.5	68.8	74.5	80.9	87.5	94.3	102.4	111.9	122.9	134.2
50°	59.3	64.4	70.0	76.2	83.0	90.4	97.8	106.0	115.5	127.1	138.4
52.5°	59.8	65.1	71.0	77.4	84.7	94.3	103.7	112.0	121.1	131.4	142.8
55°	59.7	65.5	72.1	81.4	91.2	101.3	111.1	119.4	127.4	136.4	147.7
57.5°	59.8	68.4	77.5	87.1	97.7	108.4	118.6	127.6	134.5	142.6	153.1
60°	63.5	72.5	82.4	92.7	103.8	115.4	126.6	136.3	142.9	149.9	159.0
62.5°	66.5	76.1	86.7	97.9	109.6	122.4	134.4	144.7	151.9	157.8	165.4
65°	69.8	79.2	90.7	102.8	115.3	128.9	142.1	153.4	161.6	166.2	172.2
67.5°	73.0	82.3	94.3	107.5	120.9	135.2	149.8	162.5	171.9	175.3	180.4
70°	75.7	85.8	97.6	111.9	126.4	141.3	157.6	171.3	181.2	184.6	187.2
72.5°	78.5	89.4	100.6	116.3	131.6	145.9	160.7	172.9	181.4	185.2	188.0
75°	81.6	92.2	102.9	116.7	131.3	146.0	160.3	172.2	180.8	185.7	188.7
77.5°	82.7	93.2	104.0	116.8	131.5	146.4	160.7	172.2	180.3	186.1	189.4
80°	83.9	94.6	105.6	117.7	132.1	147.3	161.9	172.7	180.1	186.4	190.1
82.5°	85.5	96.6	107.6	119.2	133.3	148.6	163.8	173.8	180.1	186.6	190.9
85°	87.5	99.0	110.1	121.5	135.1	150.4	166.2	175.3	180.3	186.8	191.7
87.5°	90.0	102.0	113.1	124.3	137.4	152.7	169.0	177.1	180.7	187.1	192.7
90°	93.0	105.5	116.6	127.7	140.2	155.5	172.2	179.1	181.2	187.5	193.7
92.5°	90.0	102.0	113.1	124.3	137.4	152.7	169.0	177.1	180.7	187.1	192.7
95°	87.5	99.0	110.1	121.5	135.1	150.4	166.2	175.3	180.3	186.8	191.7
97.5°	85.5	96.6	107.6	119.2	133.3	148.6	163.8	173.8	180.1	186.6	190.9
100°	83.9	94.6	105.6	117.7	132.1	147.3	161.9	172.7	180.1	186.4	190.1
102.5°	82.7	93.2	104.0	116.8	131.5	146.4	160.7	172.2	180.3	186.1	189.4
105°	81.6	92.2	102.9	116.7	131.3	146.0	160.3	172.2	180.8	185.7	188.7
107.5°	78.5	89.4	100.6	116.3	131.6	145.9	160.7	172.9	181.4	185.2	188.0
110°	75.7	85.8	97.6	111.9	126.4	141.3	157.6	171.3	181.2	184.6	187.2



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	73.0	82.3	94.3	107.5	120.9	135.2	149.8	162.5	171.9	175.3	180.4
115°	69.8	79.2	90.7	102.8	115.3	128.9	142.1	153.4	161.6	166.2	172.2
117.5°	66.5	76.1	86.7	97.9	109.6	122.4	134.4	144.7	151.9	157.8	165.4
120°	63.5	72.5	82.4	92.7	103.8	115.4	126.6	136.3	142.9	149.9	159.0
122.5°	59.8	68.4	77.5	87.1	97.7	108.4	118.6	127.6	134.5	142.6	153.1
125°	59.7	65.5	72.1	81.4	91.2	101.3	111.1	119.4	127.4	136.4	147.7
127.5°	59.8	65.1	71.0	77.4	84.7	94.3	103.7	112.0	121.1	131.4	142.8
130°	59.3	64.4	70.0	76.2	83.0	90.4	97.8	106.0	115.5	127.1	138.4
132.5°	58.6	63.5	68.8	74.5	80.9	87.5	94.3	102.4	111.9	122.9	134.2
135°	57.5	62.1	67.0	72.5	78.2	84.2	91.0	98.7	108.1	118.0	128.2
137.5°	55.8	60.0	64.7	69.7	75.0	80.8	87.4	95.2	103.6	112.5	122.3
140°	53.4	57.5	61.8	66.4	71.5	77.2	83.7	90.8	98.4	106.4	115.6
142.5°	50.4	54.2	58.3	62.9	67.9	73.4	79.3	85.8	92.5	100.1	108.0
145°	46.8	50.5	54.7	59.0	63.7	68.7	74.1	79.9	86.1	92.8	99.7
147.5°	43.2	46.7	50.5	54.4	58.6	63.2	68.1	73.3	78.8	84.5	90.3
150°	41.0	43.3	45.5	48.7	52.7	56.8	61.2	65.7	70.4	75.1	79.8
152.5°	38.3	40.4	42.7	45.0	47.2	49.5	53.1	56.8	60.6	64.4	68.2
155°	35.7	37.8	39.9	42.0	44.0	46.0	47.8	49.5	51.1	52.7	55.7
157.5°	33.2	35.1	36.9	38.8	40.5	42.1	43.7	45.2	46.6	48.0	49.4
160°	30.4	32.1	33.6	35.2	36.6	38.0	39.4	40.7	42.0	43.3	44.5
162.5°	27.3	28.7	30.1	31.3	32.6	33.8	35.0	36.2	37.4	38.5	39.5
165°	23.9	25.1	26.2	27.3	28.4	29.6	30.7	31.7	32.7	33.6	34.5
167.5°	20.3	21.4	22.5	23.5	24.5	25.5	26.3	27.1	27.9	28.6	29.3
170°	17.2	18.0	18.8	19.6	20.3	21.0	21.7	22.4	23.0	23.5	24.0
172.5°	13.6	14.3	14.8	15.4	15.9	16.4	16.9	17.3	17.7	18.1	18.4
175°	9.7	10.0	10.4	10.7	11.1	11.4	11.7	12.0	12.2	12.6	13.0
177.5°	5.6	5.9	6.1	6.3	6.6	6.8	7.0	7.2	7.4	7.5	7.7
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	7.9	8.0	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	9.8
5°	13.3	13.6	13.9	14.2	14.5	14.8	15.0	15.2	15.4	15.5	17.5
7.5°	18.7	19.0	19.5	20.0	20.4	20.9	21.2	21.6	21.9	22.2	25.2
10°	24.4	24.8	25.2	25.5	26.1	26.8	27.4	28.0	28.5	28.9	32.8
12.5°	30.0	30.5	31.0	31.5	31.9	32.6	33.4	34.2	35.0	35.7	40.3
15°	35.3	36.1	36.7	37.3	37.8	38.3	39.3	40.4	41.4	42.4	47.8
17.5°	40.5	41.4	42.3	43.0	43.7	44.3	45.2	46.5	47.8	49.1	55.2
20°	45.6	46.7	47.7	48.7	49.5	50.2	51.0	52.6	54.2	55.8	62.6
22.5°	50.7	51.9	53.1	54.2	55.2	56.1	57.0	58.6	60.6	62.5	69.9
25°	58.7	61.6	64.5	67.2	69.7	72.2	74.4	76.9	79.9	82.6	90.8
27.5°	71.9	75.5	79.2	82.7	86.0	89.3	92.4	95.4	99.3	102.8	111.8
30°	84.2	88.7	93.2	97.6	101.8	105.9	110.0	113.8	118.5	122.9	132.8
32.5°	95.9	101.2	106.5	112.0	117.2	122.2	127.3	132.2	137.7	143.0	153.8
35°	106.7	113.0	119.2	125.7	132.1	138.2	144.3	150.4	156.8	163.2	174.8
37.5°	116.3	124.3	131.5	139.0	146.9	153.8	161.0	168.4	175.9	183.3	195.7
40°	125.0	134.7	143.3	151.7	160.6	169.1	177.4	186.2	194.9	203.4	216.7
42.5°	132.9	144.1	154.6	164.4	174.2	184.2	194.0	203.8	213.8	223.6	237.7
45°	140.3	152.8	165.4	176.1	187.5	198.9	209.8	221.3	232.7	243.7	258.7
47.5°	146.6	159.3	172.2	182.8	193.5	204.9	216.2	228.7	241.9	255.1	272.6
50°	149.9	162.3	175.0	186.3	197.0	208.9	221.4	235.6	250.8	266.5	286.5
52.5°	154.0	166.0	178.3	190.0	200.6	212.9	226.6	242.2	259.7	277.9	300.6
55°	158.9	170.3	182.1	194.0	204.5	217.0	231.6	248.7	268.4	289.3	314.7
57.5°	164.2	175.2	186.3	198.1	208.6	221.3	236.5	255.1	277.1	300.8	328.9
60°	169.9	180.7	191.4	202.4	213.0	225.5	241.4	261.4	285.7	312.2	343.1
62.5°	176.0	186.6	196.4	207.0	217.6	229.9	246.2	267.6	294.2	323.6	357.4
65°	182.4	192.8	202.2	212.0	222.3	234.3	251.0	273.7	302.7	335.0	371.8
67.5°	189.3	199.4	208.3	217.2	227.1	238.9	255.8	279.8	311.1	346.4	386.1
70°	193.7	202.2	210.0	217.5	226.4	237.6	254.2	278.1	309.7	346.8	388.5
72.5°	193.7	201.6	209.0	216.0	224.5	235.5	252.4	276.3	308.2	347.2	390.8
75°	194.0	201.2	208.3	214.7	222.7	233.5	250.6	274.6	306.7	347.6	394.6
77.5°	194.6	201.1	207.6	213.5	220.9	231.5	249.0	273.1	305.3	348.0	396.3
80°	195.4	201.2	207.1	212.5	219.3	229.7	247.5	271.7	303.9	348.3	398.0
82.5°	196.5	201.6	206.7	211.7	217.8	228.0	246.2	270.4	302.6	348.7	399.7
85°	197.8	202.1	206.5	210.9	216.4	226.4	245.0	269.2	301.4	349.1	401.4
87.5°	199.1	202.7	206.3	210.3	215.0	224.9	243.9	268.2	300.3	349.5	403.1
90°	200.6	203.4	206.2	209.7	213.8	223.6	243.0	267.3	299.2	349.9	404.8
92.5°	199.1	202.7	206.3	210.3	215.0	224.9	243.9	268.2	300.3	349.5	403.1
95°	197.8	202.1	206.5	210.9	216.4	226.4	245.0	269.2	301.4	349.1	401.4
97.5°	196.5	201.6	206.7	211.7	217.8	228.0	246.2	270.4	302.6	348.7	399.7
100°	195.4	201.2	207.1	212.5	219.3	229.7	247.5	271.7	303.9	348.3	398.0
102.5°	194.6	201.1	207.6	213.5	220.9	231.5	249.0	273.1	305.3	348.0	396.3
105°	194.0	201.2	208.3	214.7	222.7	233.5	250.6	274.6	306.7	347.6	394.6
107.5°	193.7	201.6	209.0	216.0	224.5	235.5	252.4	276.3	308.2	347.2	390.8
110°	193.7	202.2	210.0	217.5	226.4	237.6	254.2	278.1	309.7	346.8	388.5



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	189.3	199.4	208.3	217.2	227.1	238.9	255.8	279.8	311.1	346.4	386.1
115°	182.4	192.8	202.2	212.0	222.3	234.3	251.0	273.7	302.7	335.0	371.8
117.5°	176.0	186.6	196.4	207.0	217.6	229.9	246.2	267.6	294.2	323.6	357.4
120°	169.9	180.7	191.4	202.4	213.0	225.5	241.4	261.4	285.7	312.2	343.1
122.5°	164.2	175.2	186.3	198.1	208.6	221.3	236.5	255.1	277.1	300.8	328.9
125°	158.9	170.3	182.1	194.0	204.5	217.0	231.6	248.7	268.4	289.3	314.7
127.5°	154.0	166.0	178.3	190.0	200.6	212.9	226.6	242.2	259.7	277.9	300.6
130°	149.9	162.3	175.0	186.3	197.0	208.9	221.4	235.6	250.8	266.5	286.5
132.5°	146.6	159.3	172.2	182.8	193.5	204.9	216.2	228.7	241.9	255.1	272.6
135°	140.3	152.8	165.4	176.1	187.5	198.9	209.8	221.3	232.7	243.7	258.7
137.5°	132.9	144.1	154.6	164.4	174.2	184.2	194.0	203.8	213.8	223.6	237.7
140°	125.0	134.7	143.3	151.7	160.6	169.1	177.4	186.2	194.9	203.4	216.7
142.5°	116.3	124.3	131.5	139.0	146.9	153.8	161.0	168.4	175.9	183.3	195.7
145°	106.7	113.0	119.2	125.7	132.1	138.2	144.3	150.4	156.8	163.2	174.8
147.5°	95.9	101.2	106.5	112.0	117.2	122.2	127.3	132.2	137.7	143.0	153.8
150°	84.2	88.7	93.2	97.6	101.8	105.9	110.0	113.8	118.5	122.9	132.8
152.5°	71.9	75.5	79.2	82.7	86.0	89.3	92.4	95.4	99.3	102.8	111.8
155°	58.7	61.6	64.5	67.2	69.7	72.2	74.4	76.9	79.9	82.6	90.8
157.5°	50.7	51.9	53.1	54.2	55.2	56.1	57.0	58.6	60.6	62.5	69.9
160°	45.6	46.7	47.7	48.7	49.5	50.2	51.0	52.6	54.2	55.8	62.6
162.5°	40.5	41.4	42.3	43.0	43.7	44.3	45.2	46.5	47.8	49.1	55.2
165°	35.3	36.1	36.7	37.3	37.8	38.3	39.3	40.4	41.4	42.4	47.8
167.5°	30.0	30.5	31.0	31.5	31.9	32.6	33.4	34.2	35.0	35.7	40.3
170°	24.4	24.8	25.2	25.5	26.1	26.8	27.4	28.0	28.5	28.9	32.8
172.5°	18.7	19.0	19.5	20.0	20.4	20.9	21.2	21.6	21.9	22.2	25.2
175°	13.3	13.6	13.9	14.2	14.5	14.8	15.0	15.2	15.4	15.5	17.5
177.5°	7.9	8.0	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	9.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	10.9	11.9	12.8	13.8	14.7	15.6	16.5	17.4	18.2	19.0	19.8
5°	19.5	21.5	23.4	25.3	27.1	28.9	30.6	32.3	34.0	35.5	37.1
7.5°	28.1	30.9	33.7	36.5	39.2	41.8	44.4	47.2	50.0	52.6	55.2
10°	36.5	40.2	43.9	47.4	51.0	54.9	58.7	62.4	66.0	69.5	73.0
12.5°	44.9	49.4	53.8	58.3	63.2	67.9	72.6	77.1	81.2	84.9	88.5
15°	53.1	58.3	63.6	69.4	75.0	80.6	86.0	91.0	95.7	100.3	105.2
17.5°	61.2	67.2	73.6	80.1	86.6	92.9	99.0	105.0	110.7	116.4	122.0
20°	69.2	75.9	83.3	90.6	97.8	105.2	112.4	119.4	126.5	133.4	139.9
22.5°	77.1	84.7	92.8	100.8	109.3	117.9	126.2	134.7	142.9	150.8	158.3
25°	98.5	106.6	114.7	122.6	130.8	138.7	146.6	154.3	161.7	169.0	177.7
27.5°	120.4	129.5	138.4	147.2	155.9	164.4	173.0	181.2	189.1	196.7	202.4
30°	142.2	152.3	162.1	171.4	181.0	189.8	198.8	207.4	215.7	222.1	227.7
32.5°	164.2	175.1	185.4	195.2	204.9	214.7	224.0	232.8	240.3	246.4	249.9
35°	186.1	197.8	208.6	218.6	228.9	239.7	248.4	257.1	263.8	268.7	269.3
37.5°	208.0	220.4	231.4	241.7	252.6	262.8	272.1	279.8	287.3	287.8	287.9
40°	229.9	243.0	254.0	264.7	275.8	285.7	294.8	302.0	305.8	306.3	304.4
42.5°	251.7	265.5	276.3	287.3	298.6	308.1	316.4	323.7	324.2	323.2	320.4
45°	273.5	287.5	298.2	309.7	320.5	329.8	337.5	341.9	342.1	339.1	336.5
47.5°	290.4	307.3	321.5	336.3	348.7	358.1	364.1	362.2	358.3	354.7	352.3
50°	307.4	327.6	346.2	366.0	382.8	396.6	406.5	408.2	404.0	394.7	382.3
52.5°	324.7	348.7	372.2	397.1	418.8	437.2	450.7	457.8	458.0	450.6	440.3
55°	342.2	370.3	399.2	429.3	456.4	479.8	498.0	510.1	515.0	508.2	495.8
57.5°	360.0	392.5	427.0	462.6	495.4	524.2	548.0	565.7	572.1	565.2	548.8
60°	377.9	415.2	455.7	497.0	535.5	570.2	600.7	624.4	630.5	619.4	602.5
62.5°	396.0	438.3	484.9	532.3	576.7	617.6	655.2	685.9	690.1	671.9	653.6
65°	414.2	461.8	514.8	568.4	618.9	666.7	711.3	745.7	750.5	722.9	702.3
67.5°	432.5	485.5	545.0	605.0	661.9	717.0	769.1	804.4	804.1	773.2	748.8
70°	436.5	490.1	551.5	614.7	676.3	739.6	801.6	843.7	846.8	820.9	794.8
72.5°	439.7	492.8	554.0	617.2	678.9	744.3	808.2	851.2	858.8	844.0	824.8
75°	442.9	495.0	555.8	618.9	680.7	748.3	814.2	860.3	875.2	869.8	853.4
77.5°	445.8	496.9	557.0	619.9	681.6	751.7	819.4	870.6	895.2	898.0	882.4
80°	450.1	498.3	557.6	620.3	681.8	754.3	823.8	881.5	917.8	927.9	912.0
82.5°	451.9	500.6	559.6	619.9	681.2	756.0	827.3	892.6	942.2	959.2	942.0
85°	453.8	500.6	558.0	620.2	681.2	758.9	832.2	906.2	967.5	991.2	972.5
87.5°	455.6	500.6	556.3	617.6	678.0	757.2	831.9	914.4	993.6	1023.7	1003.3
90°	457.5	500.6	554.7	615.1	674.8	755.4	831.7	922.7	1017.1	1055.3	1035.1
92.5°	455.6	500.6	556.3	617.6	678.0	757.2	831.9	914.4	993.6	1023.7	1003.3
95°	453.8	500.6	558.0	620.2	681.2	758.9	832.2	906.2	967.5	991.2	972.5
97.5°	451.9	500.6	559.6	619.9	681.2	756.0	827.3	892.6	942.2	959.2	942.0
100°	450.1	498.3	557.6	620.3	681.8	754.3	823.8	881.5	917.8	927.9	912.0
102.5°	445.8	496.9	557.0	619.9	681.6	751.7	819.4	870.6	895.2	898.0	882.4
105°	442.9	495.0	555.8	618.9	680.7	748.3	814.2	860.3	875.2	869.8	853.4
107.5°	439.7	492.8	554.0	617.2	678.9	744.3	808.2	851.2	858.8	844.0	824.8
110°	436.5	490.1	551.5	614.7	676.3	739.6	801.6	843.7	846.8	820.9	794.8



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	432.5	485.5	545.0	605.0	661.9	717.0	769.1	804.4	804.1	773.2	748.8
115°	414.2	461.8	514.8	568.4	618.9	666.7	711.3	745.7	750.5	722.9	702.3
117.5°	396.0	438.3	484.9	532.3	576.7	617.6	655.2	685.9	690.1	671.9	653.6
120°	377.9	415.2	455.7	497.0	535.5	570.2	600.7	624.4	630.5	619.4	602.5
122.5°	360.0	392.5	427.0	462.6	495.4	524.2	548.0	565.7	572.1	565.2	548.8
125°	342.2	370.3	399.2	429.3	456.4	479.8	498.0	510.1	515.0	508.2	495.8
127.5°	324.7	348.7	372.2	397.1	418.8	437.2	450.7	457.8	458.0	450.6	440.3
130°	307.4	327.6	346.2	366.0	382.8	396.6	406.5	408.2	404.0	394.7	382.3
132.5°	290.4	307.3	321.5	336.3	348.7	358.1	364.1	362.2	358.3	354.7	352.3
135°	273.5	287.5	298.2	309.7	320.5	329.8	337.5	341.9	342.1	339.1	336.5
137.5°	251.7	265.5	276.3	287.3	298.6	308.1	316.4	323.7	324.2	323.2	320.4
140°	229.9	243.0	254.0	264.7	275.8	285.7	294.8	302.0	305.8	306.3	304.4
142.5°	208.0	220.4	231.4	241.7	252.6	262.8	272.1	279.8	287.3	287.8	287.9
145°	186.1	197.8	208.6	218.6	228.9	239.7	248.4	257.1	263.8	268.7	269.3
147.5°	164.2	175.1	185.4	195.2	204.9	214.7	224.0	232.8	240.3	246.4	249.9
150°	142.2	152.3	162.1	171.4	181.0	189.8	198.8	207.4	215.7	222.1	227.7
152.5°	120.4	129.5	138.4	147.2	155.9	164.4	173.0	181.2	189.1	196.7	202.4
155°	98.5	106.6	114.7	122.6	130.8	138.7	146.6	154.3	161.7	169.0	177.7
157.5°	77.1	84.7	92.8	100.8	109.3	117.9	126.2	134.7	142.9	150.8	158.3
160°	69.2	75.9	83.3	90.6	97.8	105.2	112.4	119.4	126.5	133.4	139.9
162.5°	61.2	67.2	73.6	80.1	86.6	92.9	99.0	105.0	110.7	116.4	122.0
165°	53.1	58.3	63.6	69.4	75.0	80.6	86.0	91.0	95.7	100.3	105.2
167.5°	44.9	49.4	53.8	58.3	63.2	67.9	72.6	77.1	81.2	84.9	88.5
170°	36.5	40.2	43.9	47.4	51.0	54.9	58.7	62.4	66.0	69.5	73.0
172.5°	28.1	30.9	33.7	36.5	39.2	41.8	44.4	47.2	50.0	52.6	55.2
175°	19.5	21.5	23.4	25.3	27.1	28.9	30.6	32.3	34.0	35.5	37.1
177.5°	10.9	11.9	12.8	13.8	14.7	15.6	16.5	17.4	18.2	19.0	19.8
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	20.6	21.3	22.0	22.6	23.2	23.8	24.3	24.8	25.2	25.6	26.0
5°	38.7	40.3	41.9	43.3	44.7	46.0	47.2	48.4	49.4	50.4	51.2
7.5°	57.7	60.1	62.3	64.5	66.4	67.8	69.1	70.3	71.3	72.3	73.1
10°	75.5	78.0	80.4	82.6	84.6	86.5	88.2	89.8	91.3	92.7	93.9
12.5°	91.9	95.0	98.1	101.1	103.9	106.5	108.9	111.0	112.9	114.3	115.4
15°	109.1	113.3	117.2	120.9	124.3	127.1	129.6	131.7	133.5	135.0	136.3
17.5°	127.3	133.0	136.8	140.8	144.5	147.8	150.7	153.2	155.4	157.2	158.8
20°	146.0	151.6	156.9	161.5	165.4	168.9	172.2	174.8	176.7	178.5	180.2
22.5°	165.4	171.8	176.9	181.7	186.2	188.5	190.8	193.1	195.4	197.8	200.3
25°	184.7	190.8	197.4	199.4	202.0	204.5	206.7	209.1	211.8	215.0	218.6
27.5°	207.3	210.4	210.9	213.4	215.1	216.9	219.6	222.6	226.5	230.6	236.2
30°	230.5	230.9	230.7	228.8	226.8	227.0	230.5	234.5	241.6	248.8	256.6
32.5°	250.4	250.0	248.1	246.3	245.5	244.6	246.5	249.9	258.9	271.5	283.9
35°	269.0	267.0	265.3	264.5	264.8	267.9	270.8	278.7	286.1	297.7	314.0
37.5°	285.7	283.9	283.0	284.0	287.7	293.8	303.1	312.7	323.7	334.9	350.4
40°	302.0	301.0	301.9	306.1	314.0	324.6	337.5	350.8	368.0	387.8	408.8
42.5°	318.7	318.5	323.1	331.5	343.4	358.9	374.6	397.6	422.4	450.0	479.0
45°	334.7	338.9	346.4	359.4	376.7	394.9	421.5	449.0	482.8	516.8	553.0
47.5°	353.7	358.7	372.9	390.5	411.4	439.8	470.7	507.4	545.6	585.0	632.0
50°	374.9	383.8	400.2	423.7	452.5	485.0	524.4	565.2	609.4	659.7	714.6
52.5°	431.7	432.6	442.3	460.0	495.0	534.2	576.5	622.3	675.2	735.4	802.8
55°	488.7	489.4	499.9	519.8	548.4	582.7	625.5	680.1	742.3	814.1	885.8
57.5°	542.2	543.7	555.2	576.6	607.8	643.0	685.9	738.1	811.8	885.8	962.2
60°	593.3	593.4	607.7	631.9	663.1	699.9	748.4	813.2	881.0	949.5	1034.2
62.5°	643.1	643.0	656.8	682.0	714.2	756.3	812.3	880.7	949.5	1024.2	1107.2
65°	689.3	690.4	705.0	729.5	762.2	806.9	872.3	941.6	1015.2	1094.8	1184.6
67.5°	732.4	734.6	749.0	773.7	809.0	859.5	926.2	996.9	1074.8	1158.5	1263.3
70°	775.6	776.2	789.3	814.3	850.8	907.5	975.2	1049.1	1127.4	1214.4	1335.5
72.5°	811.5	814.8	828.1	852.8	889.2	952.3	1018.9	1094.8	1169.6	1269.6	1387.9
75°	844.2	849.4	862.7	884.2	920.6	980.7	1054.2	1133.2	1201.7	1313.4	1432.2
77.5°	876.8	882.9	894.4	910.4	943.0	999.5	1072.7	1151.0	1236.2	1348.1	1469.5
80°	909.4	915.7	923.9	932.3	959.2	1013.0	1086.6	1166.5	1261.9	1376.6	1509.3
82.5°	942.0	947.7	951.5	950.7	970.4	1021.8	1096.1	1179.7	1279.9	1398.3	1539.8
85°	974.5	979.3	977.8	966.9	977.7	1026.6	1101.3	1189.9	1290.5	1412.9	1560.3
87.5°	1007.0	1010.5	1003.3	981.6	982.6	1029.0	1104.2	1198.8	1297.1	1423.8	1575.7
90°	1039.3	1041.4	1028.9	997.0	986.5	1026.8	1099.7	1198.3	1292.0	1419.1	1570.4
92.5°	1007.0	1010.5	1003.3	981.6	982.6	1029.0	1104.2	1198.8	1297.1	1423.8	1575.7
95°	974.5	979.3	977.8	966.9	977.7	1026.6	1101.3	1189.9	1290.5	1412.9	1560.3
97.5°	942.0	947.7	951.5	950.7	970.4	1021.8	1096.1	1179.7	1279.9	1398.3	1539.8
100°	909.4	915.7	923.9	932.3	959.2	1013.0	1086.6	1166.5	1261.9	1376.6	1509.3
102.5°	876.8	882.9	894.4	910.4	943.0	999.5	1072.7	1151.0	1236.2	1348.1	1469.5
105°	844.2	849.4	862.7	884.2	920.6	980.7	1054.2	1133.2	1201.7	1313.4	1432.2
107.5°	811.5	814.8	828.1	852.8	889.2	952.3	1018.9	1094.8	1169.6	1269.6	1387.9
110°	775.6	776.2	789.3	814.3	850.8	907.5	975.2	1049.1	1127.4	1214.4	1335.5



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-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°	732.4	734.6	749.0	773.7	809.0	859.5	926.2	996.9	1074.8	1158.5	1263.3
115°	689.3	690.4	705.0	729.5	762.2	806.9	872.3	941.6	1015.2	1094.8	1184.6
117.5°	643.1	643.0	656.8	682.0	714.2	756.3	812.3	880.7	949.5	1024.2	1107.2
120°	593.3	593.4	607.7	631.9	663.1	699.9	748.4	813.2	881.0	949.5	1034.2
122.5°	542.2	543.7	555.2	576.6	607.8	643.0	685.9	738.1	811.8	885.8	962.2
125°	488.7	489.4	499.9	519.8	548.4	582.7	625.5	680.1	742.3	814.1	885.8
127.5°	431.7	432.6	442.3	460.0	495.0	534.2	576.5	622.3	675.2	735.4	802.8
130°	374.9	383.8	400.2	423.7	452.5	485.0	524.4	565.2	609.4	659.7	714.6
132.5°	353.7	358.7	372.9	390.5	411.4	439.8	470.7	507.4	545.6	585.0	632.0
135°	334.7	338.9	346.4	359.4	376.7	394.9	421.5	449.0	482.8	516.8	553.0
137.5°	318.7	318.5	323.1	331.5	343.4	358.9	374.6	397.6	422.4	450.0	479.0
140°	302.0	301.0	301.9	306.1	314.0	324.6	337.5	350.8	368.0	387.8	408.8
142.5°	285.7	283.9	283.0	284.0	287.7	293.8	303.1	312.7	323.7	334.9	350.4
145°	269.0	267.0	265.3	264.5	264.8	267.9	270.8	278.7	286.1	297.7	314.0
147.5°	250.4	250.0	248.1	246.3	245.5	244.6	246.5	249.9	258.9	271.5	283.9
150°	230.5	230.9	230.7	228.8	226.8	227.0	230.5	234.5	241.6	248.8	256.6
152.5°	207.3	210.4	210.9	213.4	215.1	216.9	219.6	222.6	226.5	230.6	236.2
155°	184.7	190.8	197.4	199.4	202.0	204.5	206.7	209.1	211.8	215.0	218.6
157.5°	165.4	171.8	176.9	181.7	186.2	188.5	190.8	193.1	195.4	197.8	200.3
160°	146.0	151.6	156.9	161.5	165.4	168.9	172.2	174.8	176.7	178.5	180.2
162.5°	127.3	133.0	136.8	140.8	144.5	147.8	150.7	153.2	155.4	157.2	158.8
165°	109.1	113.3	117.2	120.9	124.3	127.1	129.6	131.7	133.5	135.0	136.3
167.5°	91.9	95.0	98.1	101.1	103.9	106.5	108.9	111.0	112.9	114.3	115.4
170°	75.5	78.0	80.4	82.6	84.6	86.5	88.2	89.8	91.3	92.7	93.9
172.5°	57.7	60.1	62.3	64.5	66.4	67.8	69.1	70.3	71.3	72.3	73.1
175°	38.7	40.3	41.9	43.3	44.7	46.0	47.2	48.4	49.4	50.4	51.2
177.5°	20.6	21.3	22.0	22.6	23.2	23.8	24.3	24.8	25.2	25.6	26.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	26.3	26.5	26.8	26.9	27.1	27.1	28.0	27.7	27.5	27.2	26.9
5°	52.0	52.7	53.3	53.7	54.1	54.4	54.6	54.7	55.5	55.0	54.5
7.5°	73.7	74.3	74.7	75.0	75.2	75.2	75.2	75.0	74.6	74.7	73.9
10°	94.8	95.6	96.2	96.6	96.9	96.9	96.8	96.5	96.0	96.0	94.8
12.5°	116.2	116.8	117.1	117.2	117.1	116.7	116.1	115.3	114.3	113.0	112.0
15°	137.3	138.2	138.7	138.9	138.9	138.6	138.0	137.2	136.1	134.7	133.6
17.5°	160.0	161.0	161.8	162.4	162.8	162.9	162.8	162.5	161.9	161.0	160.4
20°	181.7	183.3	185.1	186.7	188.3	189.7	190.9	191.8	192.4	192.7	193.6
22.5°	202.9	205.6	208.4	211.1	213.8	216.2	218.4	220.4	222.0	223.3	225.2
25°	222.3	226.1	230.0	234.8	239.4	243.6	247.5	251.0	254.0	256.5	258.4
27.5°	242.5	248.7	254.8	261.9	269.8	277.1	283.7	289.7	294.9	299.3	302.8
30°	266.6	277.2	287.3	297.1	308.4	319.1	329.0	338.2	346.4	353.5	359.4
32.5°	296.8	311.1	325.3	339.1	354.5	370.3	384.7	397.6	409.0	418.8	426.8
35°	330.3	351.0	372.4	392.6	412.6	434.9	455.1	473.2	489.0	502.5	513.5
37.5°	375.8	401.9	432.1	460.6	487.2	513.8	538.2	559.8	578.6	594.4	607.2
40°	434.1	466.8	502.7	537.3	569.5	600.5	629.3	653.7	673.8	689.7	701.7
42.5°	510.3	541.5	581.1	625.1	664.3	699.1	731.5	758.3	779.7	795.8	806.8
45°	590.7	635.0	677.8	727.1	772.5	816.1	847.6	878.0	902.0	919.8	931.5
47.5°	681.1	734.9	788.6	841.7	893.5	938.5	981.0	1019.8	1051.3	1075.2	1091.4
50°	776.7	838.0	900.6	962.4	1030.0	1086.6	1137.7	1184.8	1223.8	1254.2	1275.6
52.5°	870.6	939.0	1014.4	1091.7	1172.8	1247.8	1308.0	1365.7	1417.5	1462.0	1497.6
55°	959.4	1041.7	1128.5	1221.5	1314.7	1406.9	1483.5	1544.9	1600.1	1649.8	1692.3
57.5°	1047.1	1141.3	1241.3	1347.8	1457.9	1541.9	1622.9	1690.2	1752.3	1810.4	1862.3
60°	1131.0	1236.4	1353.0	1464.2	1565.8	1656.0	1736.4	1811.3	1880.1	1942.7	1997.9
62.5°	1208.4	1332.0	1452.4	1566.3	1663.6	1754.8	1837.4	1916.9	1983.8	2046.0	2101.8
65°	1298.1	1416.8	1541.1	1648.7	1747.0	1839.3	1920.8	1996.2	2069.3	2135.1	2190.3
67.5°	1382.0	1503.9	1613.2	1716.5	1815.1	1905.2	1992.7	2077.5	2153.7	2215.5	2268.0
70°	1453.3	1574.6	1682.0	1775.6	1868.5	1965.8	2060.1	2143.7	2222.9	2293.7	2345.1
72.5°	1513.0	1637.5	1738.9	1832.0	1923.8	2017.3	2111.0	2202.3	2295.4	2369.1	2411.0
75°	1566.5	1682.7	1783.8	1880.2	1976.3	2065.3	2153.4	2247.2	2332.8	2415.0	2465.0
77.5°	1610.0	1720.5	1819.2	1919.2	2015.3	2107.5	2193.7	2268.7	2368.2	2451.5	2507.7
80°	1640.7	1747.2	1845.5	1946.7	2044.4	2141.9	2224.7	2311.1	2403.5	2486.1	2527.6
82.5°	1666.2	1770.5	1870.5	1968.7	2063.4	2157.8	2247.8	2337.7	2437.2	2502.9	2542.8
85°	1683.8	1784.9	1886.5	1983.8	2077.9	2176.5	2260.1	2349.4	2445.4	2516.0	2553.1
87.5°	1697.6	1790.5	1893.0	1988.2	2080.6	2186.7	2267.4	2362.2	2457.9	2529.2	2557.3
90°	1693.3	1787.7	1889.8	1982.1	2071.7	2184.1	2261.9	2355.6	2456.3	2532.0	2549.3
92.5°	1697.6	1790.5	1893.0	1988.2	2080.6	2186.7	2267.4	2362.2	2457.9	2529.2	2557.3
95°	1683.8	1784.9	1886.5	1983.8	2077.9	2176.5	2260.1	2349.4	2445.4	2516.0	2553.1
97.5°	1666.2	1770.5	1870.5	1968.7	2063.4	2157.8	2247.8	2337.7	2437.2	2502.9	2542.8
100°	1640.7	1747.2	1845.5	1946.7	2044.4	2141.9	2224.7	2311.1	2403.5	2486.1	2527.6
102.5°	1610.0	1720.5	1819.2	1919.2	2015.3	2107.5	2193.7	2268.7	2368.2	2451.5	2507.7
105°	1566.5	1682.7	1783.8	1880.2	1976.3	2065.3	2153.4	2247.2	2332.8	2415.0	2465.0
107.5°	1513.0	1637.5	1738.9	1832.0	1923.8	2017.3	2111.0	2202.3	2295.4	2369.1	2411.0
110°	1453.3	1574.6	1682.0	1775.6	1868.5	1965.8	2060.1	2143.7	2222.9	2293.7	2345.1



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1382.0	1503.9	1613.2	1716.5	1815.1	1905.2	1992.7	2077.5	2153.7	2215.5	2268.0
115°	1298.1	1416.8	1541.1	1648.7	1747.0	1839.3	1920.8	1996.2	2069.3	2135.1	2190.3
117.5°	1208.4	1332.0	1452.4	1566.3	1663.6	1754.8	1837.4	1916.9	1983.8	2046.0	2101.8
120°	1131.0	1236.4	1353.0	1464.2	1565.8	1656.0	1736.4	1811.3	1880.1	1942.7	1997.9
122.5°	1047.1	1141.3	1241.3	1347.8	1457.9	1541.9	1622.9	1690.2	1752.3	1810.4	1862.3
125°	959.4	1041.7	1128.5	1221.5	1314.7	1406.9	1483.5	1544.9	1600.1	1649.8	1692.3
127.5°	870.6	939.0	1014.4	1091.7	1172.8	1247.8	1308.0	1365.7	1417.5	1462.0	1497.6
130°	776.7	838.0	900.6	962.4	1030.0	1086.6	1137.7	1184.8	1223.8	1254.2	1275.6
132.5°	681.1	734.9	788.6	841.7	893.5	938.5	981.0	1019.8	1051.3	1075.2	1091.4
135°	590.7	635.0	677.8	727.1	772.5	816.1	847.6	878.0	902.0	919.8	931.5
137.5°	510.3	541.5	581.1	625.1	664.3	699.1	731.5	758.3	779.7	795.8	806.8
140°	434.1	466.8	502.7	537.3	569.5	600.5	629.3	653.7	673.8	689.7	701.7
142.5°	375.8	401.9	432.1	460.6	487.2	513.8	538.2	559.8	578.6	594.4	607.2
145°	330.3	351.0	372.4	392.6	412.6	434.9	455.1	473.2	489.0	502.5	513.5
147.5°	296.8	311.1	325.3	339.1	354.5	370.3	384.7	397.6	409.0	418.8	426.8
150°	266.6	277.2	287.3	297.1	308.4	319.1	329.0	338.2	346.4	353.5	359.4
152.5°	242.5	248.7	254.8	261.9	269.8	277.1	283.7	289.7	294.9	299.3	302.8
155°	222.3	226.1	230.0	234.8	239.4	243.6	247.5	251.0	254.0	256.5	258.4
157.5°	202.9	205.6	208.4	211.1	213.8	216.2	218.4	220.4	222.0	223.3	225.2
160°	181.7	183.3	185.1	186.7	188.3	189.7	190.9	191.8	192.4	192.7	193.6
162.5°	160.0	161.0	161.8	162.4	162.8	162.9	162.8	162.5	161.9	161.0	160.4
165°	137.3	138.2	138.7	138.9	138.9	138.6	138.0	137.2	136.1	134.7	133.6
167.5°	116.2	116.8	117.1	117.2	117.1	116.7	116.1	115.3	114.3	113.0	112.0
170°	94.8	95.6	96.2	96.6	96.9	96.9	96.8	96.5	96.0	96.0	94.8
172.5°	73.7	74.3	74.7	75.0	75.2	75.2	75.2	75.0	74.6	74.7	73.9
175°	52.0	52.7	53.3	53.7	54.1	54.4	54.6	54.7	55.5	55.0	54.5
177.5°	26.3	26.5	26.8	26.9	27.1	27.1	28.0	27.7	27.5	27.2	26.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2.1	2.1
2.5°	26.7	26.4
5°	54.0	53.5
7.5°	73.0	72.2
10°	93.5	92.3
12.5°	110.1	108.3
15°	131.4	129.1
17.5°	158.3	156.2
20°	192.2	190.9
22.5°	224.7	224.2
25°	260.1	260.3
27.5°	305.9	306.9
30°	364.8	367.3
32.5°	434.0	437.4
35°	523.2	527.6
37.5°	618.5	623.4
40°	711.5	714.4
42.5°	815.2	815.1
45°	939.9	937.3
47.5°	1103.7	1100.4
50°	1292.5	1289.9
52.5°	1529.2	1535.0
55°	1731.9	1747.5
57.5°	1911.9	1938.4
60°	2049.8	2081.4
62.5°	2150.3	2190.4
65°	2235.5	2271.6
67.5°	2311.3	2345.9
70°	2382.6	2409.1
72.5°	2440.5	2459.8
75°	2485.4	2495.2
77.5°	2528.1	2541.7
80°	2548.4	2559.0
82.5°	2569.6	2583.3
85°	2576.6	2588.2
87.5°	2570.4	2598.6
90°	2568.1	2587.5
92.5°	2570.4	2598.6
95°	2576.6	2588.2
97.5°	2569.6	2583.3
100°	2548.4	2559.0
102.5°	2528.1	2541.7
105°	2485.4	2495.2
107.5°	2440.5	2459.8
110°	2382.6	2409.1



TEST NUMBER: P231980

CATALOG NUMBER: FVS4WM-4-LD4-30-2LO-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	2311.3	2345.9
115°	2235.5	2271.6
117.5°	2150.3	2190.4
120°	2049.8	2081.4
122.5°	1911.9	1938.4
125°	1731.9	1747.5
127.5°	1529.2	1535.0
130°	1292.5	1289.9
132.5°	1103.7	1100.4
135°	939.9	937.3
137.5°	815.2	815.1
140°	711.5	714.4
142.5°	618.5	623.4
145°	523.2	527.6
147.5°	434.0	437.4
150°	364.8	367.3
152.5°	305.9	306.9
155°	260.1	260.3
157.5°	224.7	224.2
160°	192.2	190.9
162.5°	158.3	156.2
165°	131.4	129.1
167.5°	110.1	108.3
170°	93.5	92.3
172.5°	73.0	72.2
175°	54.0	53.5
177.5°	26.7	26.4
180°	2.0	2.0

(END OF REPORT)