

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: P241628

Luminaire Tested: **FVS8M-4-LD4-50-3STD-O-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P241628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-410-44)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS8M-4-LD4-50-3STD-O-UNV-EDC1
Description: FAILSAFE FVS8M LED FIXTURE
4FT LENGTH, 3-MODULE LED WITH OPAL LENS
Light Source: (252) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

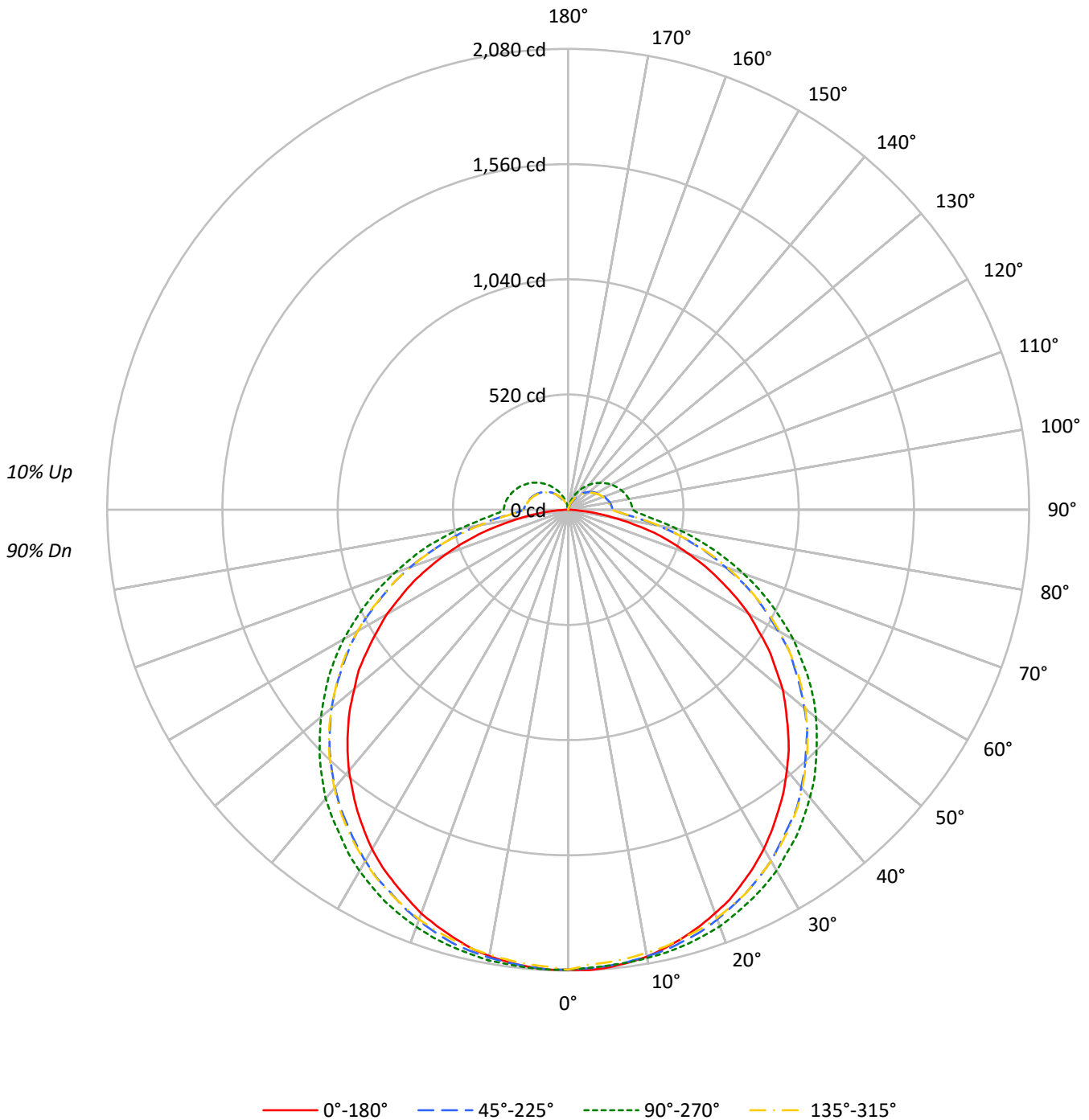
Lumens per Lamp: N/A
Luminaire Lumens: 7531.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.34 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.65' x L: 3.73' x H: 0.15')
CIE Type: Direct

Input Watts (W): 98.5
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





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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90				
1	105	100	95	91	101	97	93	89	91	87	84	85	82	80	80	78	76	73				
2	95	86	79	73	92	84	77	71	78	73	68	74	69	65	69	66	62	60				
3	86	75	67	60	83	73	65	59	69	62	57	64	59	54	61	56	52	49				
4	79	66	57	50	76	64	56	50	61	53	48	57	51	46	54	49	44	42				
5	72	59	50	43	69	57	49	42	54	47	41	51	45	40	48	43	38	36				
6	67	53	44	37	64	52	43	37	49	41	36	46	40	35	44	38	33	31				
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	40	34	30	27				
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	34	28	24	22				
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	25	21	20				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9278	9278	9278	9278
5°	9274	9088	9259	9129
10°	9233	8967	9222	9016
15°	9161	8878	9153	8904
20°	9088	8796	9093	8807
25°	9005	8681	8997	8712
30°	8913	8587	8930	8595
35°	8788	8465	8810	8449
40°	8666	8322	8690	8348
45°	8524	8157	8550	8175
50°	8394	7997	8360	7978
55°	8169	7788	8156	7777
60°	7876	7542	7904	7514
65°	7384	7191	7518	7155
70°	6747	6772	6909	6710
75°	6037	6241	6037	6273
80°	4472	5613	4634	5603
85°	2215	5148	2608	5137



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	2.6
10°-20°	569.9	7.6
20°-30°	879.2	11.7
30°-40°	1086.2	14.4
40°-50°	1165.5	15.5
50°-60°	1103.4	14.7
60°-70°	901.8	12.0
70°-80°	592.8	7.9
80°-90°	282.5	3.8
90°-100°	188.1	2.5
100°-110°	169.6	2.3
110°-120°	142.1	1.9
120°-130°	109.4	1.5
130°-140°	75.3	1.0
140°-150°	43.7	0.6
150°-160°	19.4	0.3
160°-170°	4.9	0.1
170°-180°	0.3	0.0
0°-30°	1646.0	21.9
0°-40°	2732.2	36.3
0°-60°	5001.1	66.4
0°-90°	6778.3	90.0
90°-120°	499.8	6.6
90°-150°	728.2	9.7
90°-180°	753.0	10.0
0°-180°	7531.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2076	2076	2076	2076	2076	
5°	2074	2066	2071	2075	2074	197
15°	2001	2035	1999	2041	2001	565
25°	1859	1946	1858	1953	1859	858
35°	1655	1797	1659	1793	1655	1036
45°	1401	1582	1406	1585	1401	1082
55°	1107	1322	1105	1320	1107	986
65°	757	1009	770	1004	757	750
75°	401	666	401	669	401	416
85°	62	360	74	359	62	85
90°	1	290	3	291	1	3
95°	1	286	1	287	1	1
105°	1	268	1	269	1	1
115°	1	241	1	243	1	1
125°	1	208	1	210	1	1
135°	2	168	1	170	2	1
145°	2	124	2	125	2	1
155°	2	77	2	79	2	1
165°	3	33	3	33	3	1
175°	3	0	3	0	3	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0
2.5°	2080.2	2082.8	2087.1	2090.5	2091.4	2091.4	2089.6	2088.8	2082.8	2077.7	2071.7
5°	2074.2	2076.0	2081.9	2084.5	2085.4	2084.5	2081.9	2081.9	2076.8	2070.0	2067.4
7.5°	2062.3	2067.4	2069.1	2070.8	2072.5	2074.2	2072.5	2070.8	2067.4	2062.3	2058.8
10°	2048.6	2049.4	2052.8	2058.0	2058.0	2059.7	2058.0	2058.8	2054.5	2051.1	2046.8
12.5°	2025.4	2028.0	2031.4	2037.4	2039.1	2040.9	2039.1	2040.9	2036.6	2034.0	2035.7
15°	2000.6	2005.8	2006.6	2011.7	2016.0	2016.9	2017.7	2021.2	2016.0	2016.9	2015.2
17.5°	1971.5	1972.4	1977.5	1980.1	1986.1	1991.2	1988.6	1993.8	1993.8	1993.8	1996.3
20°	1938.1	1937.3	1941.5	1951.0	1956.1	1957.8	1959.5	1965.5	1966.4	1968.1	1968.1
22.5°	1904.7	1902.2	1904.7	1915.0	1917.6	1921.9	1928.7	1933.0	1932.1	1934.7	1936.4
25°	1859.4	1860.2	1864.5	1877.3	1880.8	1885.9	1889.3	1896.2	1897.9	1902.2	1904.7
27.5°	1815.7	1815.7	1823.4	1830.3	1837.1	1841.4	1847.4	1857.7	1857.7	1864.5	1868.8
30°	1766.1	1765.2	1773.8	1781.5	1791.7	1797.7	1802.9	1813.1	1816.6	1821.7	1830.3
32.5°	1712.1	1716.4	1724.1	1731.0	1743.8	1751.5	1759.2	1768.6	1774.6	1778.0	1783.2
35°	1654.8	1657.3	1668.5	1677.9	1690.7	1697.6	1707.0	1714.7	1725.8	1730.1	1737.8
37.5°	1598.3	1602.5	1611.1	1623.1	1638.5	1647.9	1651.3	1665.0	1668.5	1677.0	1695.9
40°	1534.1	1539.2	1555.5	1563.2	1579.4	1588.0	1594.8	1608.5	1617.1	1628.2	1635.9
42.5°	1473.3	1479.3	1484.4	1504.1	1519.5	1526.4	1533.2	1546.0	1557.2	1566.6	1579.4
45°	1401.4	1405.7	1419.4	1440.8	1453.6	1464.7	1469.9	1483.6	1499.0	1507.5	1518.7
47.5°	1331.2	1338.0	1349.2	1365.4	1380.8	1392.0	1404.8	1420.2	1437.3	1441.6	1463.0
50°	1263.5	1267.0	1275.5	1296.9	1314.1	1324.3	1332.0	1349.2	1362.0	1376.5	1391.1
52.5°	1180.5	1182.2	1199.3	1219.0	1243.0	1251.6	1258.4	1279.8	1291.8	1307.2	1319.2
55°	1106.9	1106.0	1123.2	1140.3	1164.2	1175.4	1181.4	1200.2	1216.5	1234.4	1247.3
57.5°	1017.0	1024.7	1041.0	1065.8	1086.3	1091.5	1101.8	1123.2	1139.4	1159.1	1180.5
60°	940.8	940.8	956.2	979.3	996.5	1013.6	1025.6	1044.4	1059.8	1076.1	1092.3
62.5°	850.1	850.9	871.5	888.6	912.6	926.3	936.5	959.6	979.3	993.0	1010.2
65°	756.8	764.5	789.3	803.0	832.9	838.9	852.6	874.0	892.0	910.0	933.1
67.5°	670.3	677.1	690.8	713.1	743.9	750.8	764.5	786.7	812.4	819.3	845.8
70°	571.8	587.3	599.2	623.2	653.2	659.2	675.4	695.1	721.7	738.8	751.6
72.5°	487.1	493.9	513.6	529.9	552.2	567.6	589.8	605.2	629.2	644.6	666.9
75°	400.6	397.2	416.9	441.7	468.3	476.0	487.1	514.5	537.6	559.0	577.8
77.5°	298.8	304.8	329.6	358.7	383.5	388.7	403.2	425.5	449.4	471.7	498.2
80°	212.3	220.9	234.6	270.5	292.8	307.3	320.2	341.6	363.0	394.6	408.3
82.5°	133.5	141.3	161.8	189.2	212.3	226.0	242.3	263.7	285.9	313.3	328.7
85°	62.5	73.6	94.2	122.4	143.8	160.9	171.2	198.6	222.6	246.5	263.7
87.5°	18.8	26.5	48.8	72.8	99.3	112.1	125.0	151.5	178.1	200.3	219.2
90°	0.9	9.4	29.1	54.8	82.2	95.0	107.9	133.5	157.5	181.5	201.2
92.5°	0.9	8.6	28.3	53.1	79.6	92.5	106.2	131.0	154.9	178.1	198.6
95°	0.9	8.6	27.4	52.2	77.9	90.7	104.4	129.3	153.2	175.5	196.0
97.5°	0.9	8.6	26.5	50.5	76.2	89.0	101.9	126.7	150.7	172.9	193.5
100°	0.9	7.7	26.5	49.7	74.5	86.5	100.2	124.1	148.1	169.5	190.9
102.5°	0.9	7.7	25.7	47.9	72.8	84.8	97.6	121.6	143.8	166.1	185.8
105°	0.9	6.8	24.8	47.1	70.2	82.2	95.0	118.1	140.4	161.8	181.5
107.5°	0.9	6.8	24.0	45.4	68.5	80.5	92.5	114.7	137.0	157.5	177.2
110°	0.9	6.0	23.1	43.7	65.9	77.9	89.9	112.1	133.5	154.1	172.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.9	6.0	21.4	41.9	64.2	75.3	86.5	108.7	129.3	149.8	167.8
115°	0.9	5.1	20.5	40.2	61.6	72.8	83.0	104.4	125.0	143.8	161.8
117.5°	0.9	5.1	19.7	38.5	59.1	69.3	80.5	100.2	120.7	138.7	157.5
120°	0.9	4.3	18.8	36.8	56.5	66.8	77.0	96.7	115.6	133.5	150.7
122.5°	0.9	3.4	17.1	35.1	53.9	63.3	72.8	91.6	110.4	128.4	143.8
125°	0.9	2.6	16.3	32.5	50.5	59.9	69.3	88.2	105.3	122.4	137.8
127.5°	0.9	2.6	14.6	30.8	47.9	56.5	65.9	83.0	100.2	116.4	131.0
130°	0.9	1.7	12.8	27.4	44.5	53.1	61.6	78.8	94.2	110.4	124.1
132.5°	0.9	1.7	11.1	24.8	40.2	47.9	57.4	73.6	89.0	103.6	117.3
135°	1.7	1.7	9.4	22.3	36.0	43.7	51.4	66.8	82.2	96.7	109.6
137.5°	1.7	1.7	7.7	18.8	31.7	38.5	46.2	59.9	74.5	89.9	101.9
140°	1.7	1.7	6.8	16.3	27.4	34.2	40.2	53.1	65.9	79.6	93.3
142.5°	1.7	1.7	5.1	13.7	24.0	29.1	35.1	47.1	58.2	70.2	83.0
145°	1.7	1.7	4.3	12.0	20.5	25.7	30.0	40.2	50.5	61.6	73.6
147.5°	1.7	1.7	3.4	9.4	17.1	21.4	26.5	34.2	44.5	53.9	62.5
150°	1.7	1.7	2.6	7.7	14.6	18.0	22.3	29.1	37.7	46.2	53.9
152.5°	1.7	1.7	2.6	6.8	12.0	14.6	18.0	24.8	30.8	38.5	45.4
155°	1.7	1.7	2.6	5.1	9.4	12.0	15.4	20.5	25.7	31.7	37.7
157.5°	1.7	1.7	1.7	3.4	7.7	10.3	12.0	16.3	21.4	24.8	29.1
160°	1.7	1.7	1.7	2.6	6.0	7.7	9.4	12.8	16.3	19.7	24.0
162.5°	2.6	2.6	2.6	2.6	4.3	5.1	6.8	9.4	12.8	15.4	17.1
165°	2.6	2.6	2.6	2.6	2.6	3.4	4.3	6.8	8.6	11.1	12.8
167.5°	2.6	2.6	2.6	2.6	2.6	2.6	3.4	4.3	6.0	6.8	8.6
170°	2.6	2.6	2.6	2.6	2.6	1.7	1.7	2.6	2.6	3.4	4.3
172.5°	2.6	2.6	2.6	2.6	2.6	1.7	1.7	1.7	1.7	1.7	1.7
175°	2.6	2.6	2.6	2.6	2.6	1.7	1.7	1.7	1.7	0.9	0.9
177.5°	2.6	2.6	2.6	2.6	2.6	2.6	1.7	1.7	1.7	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0
2.5°	2067.4	2068.2	2070.8	2070.8	2070.8	2071.7	2070.8	2070.0	2068.2	2070.0	2067.4
5°	2063.1	2064.0	2065.7	2068.2	2068.2	2068.2	2070.0	2066.5	2066.5	2065.7	2064.8
7.5°	2056.3	2057.1	2060.5	2062.3	2062.3	2063.1	2064.0	2064.0	2061.4	2061.4	2059.7
10°	2046.0	2050.3	2052.0	2055.4	2053.7	2056.3	2057.1	2055.4	2053.7	2054.5	2054.5
12.5°	2034.0	2040.0	2040.0	2046.8	2046.0	2045.1	2046.8	2046.8	2046.0	2046.8	2046.8
15°	2018.6	2023.7	2027.2	2033.1	2032.3	2032.3	2036.6	2037.4	2034.9	2034.9	2033.1
17.5°	1998.0	2000.6	2009.2	2011.7	2013.5	2015.2	2017.7	2019.5	2018.6	2018.6	2016.0
20°	1972.4	1978.4	1987.8	1986.9	1996.3	1996.3	1996.3	1997.2	1998.9	2001.5	1997.2
22.5°	1941.5	1951.8	1959.5	1964.7	1966.4	1968.1	1971.5	1974.9	1974.1	1974.1	1974.9
25°	1909.9	1921.0	1927.0	1937.3	1940.7	1939.0	1945.8	1947.5	1947.5	1945.8	1947.5
27.5°	1874.8	1886.8	1897.0	1897.9	1903.0	1905.6	1909.0	1915.0	1915.0	1915.9	1913.3
30°	1836.3	1849.1	1855.9	1861.9	1865.4	1865.4	1874.8	1876.5	1875.6	1880.8	1879.9
32.5°	1794.3	1808.9	1814.9	1823.4	1827.7	1827.7	1832.8	1838.8	1836.3	1836.3	1838.0
35°	1747.2	1760.1	1767.8	1778.0	1779.8	1782.3	1788.3	1795.2	1797.7	1796.9	1794.3
37.5°	1704.4	1708.7	1722.4	1730.1	1731.0	1734.4	1741.2	1746.4	1744.7	1747.2	1746.4
40°	1647.9	1657.3	1669.3	1678.7	1683.9	1682.2	1689.0	1693.3	1695.9	1696.7	1700.1
42.5°	1594.8	1607.7	1615.4	1624.8	1628.2	1628.2	1632.5	1635.9	1640.2	1644.5	1640.2
45°	1534.9	1545.2	1556.3	1564.9	1571.7	1573.4	1576.9	1576.0	1580.3	1582.0	1588.0
47.5°	1471.6	1485.3	1493.8	1502.4	1505.8	1511.8	1518.7	1519.5	1525.5	1521.2	1526.4
50°	1409.1	1420.2	1431.3	1441.6	1445.0	1444.2	1447.6	1451.9	1456.2	1459.6	1457.0
52.5°	1336.3	1349.2	1360.3	1368.8	1376.5	1374.8	1385.1	1381.7	1391.1	1394.5	1389.4
55°	1261.0	1281.5	1290.1	1297.8	1298.6	1305.5	1320.0	1314.1	1317.5	1321.8	1318.3
57.5°	1186.5	1200.2	1212.2	1222.5	1225.0	1233.6	1237.0	1239.6	1243.9	1244.7	1249.0
60°	1115.4	1120.6	1136.0	1147.1	1151.4	1152.3	1167.7	1165.1	1171.1	1173.7	1170.2
62.5°	1028.1	1043.5	1056.4	1069.2	1069.2	1076.1	1082.1	1080.4	1087.2	1091.5	1094.0
65°	943.4	958.8	971.6	981.9	986.2	993.9	996.5	998.2	1005.9	1009.3	1009.3
67.5°	856.1	877.5	885.2	894.6	902.3	904.9	915.1	918.6	922.8	928.0	929.7
70°	770.5	794.4	802.1	811.5	814.1	821.8	828.7	835.5	833.8	839.8	844.1
72.5°	688.3	704.5	712.2	724.2	731.9	738.8	744.8	751.6	755.0	753.3	758.5
75°	599.2	616.4	624.1	641.2	642.9	649.8	660.9	665.2	666.9	666.0	667.7
77.5°	516.2	529.9	538.5	553.9	561.6	563.3	577.8	577.8	583.0	581.3	584.7
80°	425.5	443.4	463.1	474.3	482.0	481.1	488.8	494.8	497.4	497.4	499.9
82.5°	352.7	366.4	385.2	397.2	401.5	406.6	416.9	421.2	426.3	421.2	428.9
85°	289.3	304.8	319.3	328.7	333.0	341.6	350.1	351.8	359.5	359.5	358.7
87.5°	238.8	255.1	269.7	282.5	288.5	291.9	301.3	305.6	309.0	311.6	309.9
90°	220.0	237.1	251.7	263.7	269.7	273.9	281.6	286.8	289.3	290.2	289.3
92.5°	217.4	233.7	248.3	261.1	266.2	271.4	279.1	284.2	287.6	288.5	286.8
95°	214.9	232.0	246.5	258.5	263.7	268.8	276.5	281.6	285.1	285.9	284.2
97.5°	213.2	228.6	244.0	256.0	261.1	265.4	273.9	279.1	281.6	282.5	281.6
100°	209.7	225.1	239.7	251.7	256.8	261.1	268.8	274.8	277.4	278.2	277.4
102.5°	204.6	220.9	234.6	246.5	251.7	256.8	263.7	268.8	272.2	273.1	272.2
105°	200.3	216.6	230.3	241.4	246.5	251.7	258.5	263.7	267.1	267.9	266.2
107.5°	195.2	211.4	225.1	237.1	242.3	246.5	253.4	258.5	261.1	262.0	260.2
110°	190.0	206.3	220.0	231.1	236.3	239.7	247.4	251.7	255.1	256.0	254.3



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	184.1	199.5	213.2	224.3	228.6	233.7	239.7	244.8	248.3	249.1	247.4
115°	178.1	192.6	207.2	218.3	222.6	226.9	233.7	238.0	240.6	241.4	240.6
117.5°	172.9	186.6	199.5	210.6	214.9	219.2	226.0	230.3	233.7	233.7	232.8
120°	166.1	179.8	191.8	202.0	208.0	210.6	217.4	222.6	225.1	225.1	225.1
122.5°	160.1	172.9	185.8	195.2	199.5	202.9	209.7	214.9	217.4	217.4	215.7
125°	152.4	165.2	176.3	186.6	190.0	193.5	200.3	204.6	207.2	208.0	206.3
127.5°	144.7	157.5	168.6	177.2	182.3	185.8	190.9	195.2	198.6	198.6	196.9
130°	137.0	149.0	160.1	168.6	172.9	175.5	181.5	186.6	188.3	188.3	187.5
132.5°	129.3	141.3	151.5	159.2	163.5	166.1	171.2	175.5	178.1	178.9	177.2
135°	121.6	132.7	142.1	150.7	153.2	156.7	160.9	165.2	166.9	167.8	166.1
137.5°	113.9	124.1	132.7	140.4	143.8	146.4	151.5	154.9	156.7	157.5	155.8
140°	105.3	114.7	123.3	131.0	134.4	136.1	141.3	143.8	146.4	146.4	144.7
142.5°	96.7	106.2	113.9	120.7	123.3	125.8	130.1	133.5	134.4	134.4	134.4
145°	86.5	96.7	104.4	111.3	113.9	115.6	119.0	121.6	123.3	124.1	122.4
147.5°	75.3	84.8	94.2	100.2	102.7	105.3	107.9	111.3	112.1	112.1	110.4
150°	63.3	72.8	83.0	89.9	93.3	94.2	96.7	98.4	101.0	101.0	100.2
152.5°	53.1	61.6	71.1	79.6	81.3	83.9	85.6	88.2	89.0	89.0	88.2
155°	44.5	51.4	58.2	66.8	71.1	72.8	75.3	77.0	77.9	77.0	77.0
157.5°	35.1	41.1	47.1	53.9	59.9	61.6	64.2	65.9	66.8	65.9	65.9
160°	27.4	31.7	36.0	42.8	45.4	49.7	53.1	53.9	54.8	54.8	53.9
162.5°	20.5	24.0	26.5	30.8	34.2	36.8	41.9	43.7	43.7	44.5	42.8
165°	14.6	16.3	18.8	21.4	23.1	24.8	30.0	32.5	32.5	33.4	32.5
167.5°	9.4	10.3	12.0	13.7	14.6	16.3	18.0	21.4	23.1	23.1	22.3
170°	5.1	5.1	6.0	6.8	7.7	7.7	8.6	12.0	12.8	12.8	12.0
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6	4.3	4.3	3.4
175°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0
2.5°	2069.1	2067.4	2070.0	2070.8	2069.1	2065.7	2062.3	2059.7	2056.3	2055.4	2055.4
5°	2064.8	2064.0	2065.7	2065.7	2065.7	2064.0	2058.8	2055.4	2050.3	2048.6	2050.3
7.5°	2059.7	2059.7	2061.4	2060.5	2058.8	2057.1	2051.1	2046.8	2042.6	2040.9	2040.9
10°	2052.0	2051.1	2052.0	2050.3	2050.3	2046.8	2042.6	2035.7	2031.4	2029.7	2029.7
12.5°	2044.3	2040.9	2040.0	2042.6	2040.0	2035.7	2027.2	2022.9	2020.3	2012.6	2011.7
15°	2031.4	2027.2	2028.0	2026.3	2028.9	2023.7	2014.3	2010.0	2000.6	1994.6	1993.8
17.5°	2013.5	2013.5	2012.6	2010.9	2009.2	2003.2	1997.2	1991.2	1984.4	1977.5	1968.1
20°	1992.9	1993.8	1992.1	1992.9	1992.1	1981.8	1975.8	1966.4	1961.2	1951.8	1945.0
22.5°	1971.5	1969.8	1967.2	1965.5	1966.4	1959.5	1951.0	1941.5	1933.8	1922.7	1915.9
25°	1945.8	1944.1	1939.8	1939.0	1939.0	1930.4	1922.7	1909.0	1905.6	1893.6	1881.6
27.5°	1910.7	1909.0	1907.3	1904.7	1903.0	1898.7	1891.0	1876.5	1867.1	1856.8	1844.8
30°	1872.2	1875.6	1869.6	1867.9	1863.6	1863.6	1853.4	1841.4	1831.1	1815.7	1804.6
32.5°	1833.7	1835.4	1833.7	1830.3	1824.3	1822.6	1810.6	1800.3	1789.2	1772.9	1759.2
35°	1791.7	1789.2	1790.9	1780.6	1784.9	1774.6	1763.5	1757.5	1743.8	1728.4	1714.7
37.5°	1745.5	1743.8	1738.7	1733.5	1731.0	1728.4	1714.7	1705.3	1698.4	1678.7	1662.5
40°	1690.7	1693.3	1689.9	1689.0	1681.3	1677.9	1662.5	1652.2	1642.8	1624.8	1609.4
42.5°	1639.4	1643.6	1630.8	1632.5	1628.2	1618.0	1609.4	1600.8	1583.7	1574.3	1550.3
45°	1582.9	1578.6	1576.0	1566.6	1566.6	1561.5	1548.6	1543.5	1526.4	1510.9	1490.4
47.5°	1517.8	1522.9	1510.9	1511.8	1510.1	1500.7	1486.1	1481.8	1462.2	1451.9	1427.1
50°	1457.0	1451.9	1448.5	1450.2	1439.0	1437.3	1426.2	1412.5	1397.1	1384.3	1365.4
52.5°	1386.0	1386.8	1386.8	1377.4	1377.4	1363.7	1351.7	1341.4	1329.5	1309.8	1296.9
55°	1319.2	1317.5	1312.3	1310.6	1298.6	1292.7	1281.5	1266.1	1258.4	1240.4	1225.9
57.5°	1249.0	1244.7	1238.7	1229.3	1226.7	1219.0	1207.0	1193.4	1179.7	1164.2	1154.0
60°	1170.2	1168.5	1160.0	1154.0	1150.5	1141.1	1133.4	1122.3	1102.6	1086.3	1070.1
62.5°	1088.9	1088.1	1083.8	1076.1	1074.4	1064.1	1050.4	1035.0	1021.3	1005.9	987.0
65°	1005.0	999.9	993.0	992.2	984.5	979.3	972.5	951.1	934.0	919.4	902.3
67.5°	927.1	922.8	909.1	909.1	903.1	894.6	881.7	873.2	848.4	833.8	814.1
70°	837.2	838.1	832.1	827.8	815.8	803.8	797.8	786.7	766.2	744.8	730.2
72.5°	750.8	746.5	737.9	734.5	731.9	723.4	706.3	689.1	673.7	659.2	631.8
75°	665.2	660.0	647.2	651.5	644.6	633.5	624.1	604.4	584.7	566.7	546.2
77.5°	578.7	569.3	565.0	564.1	562.4	547.0	531.6	514.5	496.5	488.8	455.4
80°	500.8	488.0	482.0	483.7	476.0	461.4	452.0	435.7	416.9	397.2	372.4
82.5°	419.5	417.8	406.6	402.3	396.4	387.8	373.2	356.1	336.4	317.6	295.3
85°	354.4	347.6	347.6	333.9	332.2	319.3	305.6	289.3	267.9	245.7	225.1
87.5°	308.2	299.6	293.6	286.8	282.5	272.2	255.1	238.0	218.3	202.9	175.5
90°	285.1	279.9	270.5	265.4	260.2	246.5	231.1	214.9	196.0	174.6	154.1
92.5°	282.5	276.5	267.9	262.8	257.7	244.0	228.6	212.3	192.6	172.1	149.8
95°	280.8	273.9	265.4	260.2	255.1	241.4	226.9	209.7	190.9	169.5	148.1
97.5°	277.4	271.4	262.8	257.7	251.7	238.8	224.3	207.2	188.3	166.9	145.5
100°	273.1	266.2	258.5	253.4	248.3	235.4	220.0	202.9	184.1	164.4	143.0
102.5°	267.9	262.8	253.4	248.3	243.1	230.3	215.7	198.6	180.6	160.9	139.5
105°	262.8	256.8	249.1	244.0	238.0	226.0	211.4	194.3	176.3	156.7	136.1
107.5°	258.5	251.7	243.1	238.0	232.8	220.9	206.3	190.0	172.1	152.4	132.7
110°	251.7	245.7	237.1	232.0	226.9	214.9	200.3	184.9	167.8	148.1	128.4



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	244.0	238.0	229.4	225.1	220.0	208.0	194.3	178.9	162.7	143.8	124.1
115°	237.1	231.1	223.4	219.2	214.0	202.0	188.3	172.9	157.5	138.7	119.8
117.5°	229.4	223.4	215.7	211.4	206.3	194.3	182.3	167.8	151.5	133.5	115.6
120°	220.9	214.9	208.0	203.7	198.6	187.5	175.5	160.9	145.5	128.4	110.4
122.5°	212.3	207.2	199.5	195.2	190.9	180.6	168.6	154.9	139.5	123.3	106.2
125°	202.9	197.8	190.9	186.6	182.3	172.9	160.9	148.1	132.7	117.3	100.2
127.5°	193.5	189.2	182.3	178.1	173.8	164.4	153.2	140.4	126.7	111.3	95.0
130°	184.1	178.9	172.9	169.5	164.4	155.8	145.5	132.7	119.8	105.3	89.9
132.5°	173.8	169.5	163.5	160.1	156.7	147.2	137.0	125.8	112.1	98.4	84.8
135°	163.5	159.2	154.9	150.7	146.4	138.7	128.4	117.3	105.3	92.5	78.8
137.5°	153.2	149.0	144.7	141.3	137.0	129.3	120.7	109.6	97.6	86.5	73.6
140°	143.0	138.7	134.4	131.0	127.6	120.7	111.3	101.9	90.7	78.8	66.8
142.5°	131.8	128.4	123.3	120.7	117.3	110.4	102.7	93.3	83.0	71.9	61.6
145°	120.7	117.3	113.0	110.4	107.0	101.0	94.2	84.8	75.3	65.9	55.6
147.5°	109.6	106.2	101.9	100.2	96.7	92.5	84.8	76.2	68.5	58.2	48.8
150°	97.6	95.9	91.6	89.0	87.3	81.3	75.3	67.6	60.8	52.2	43.7
152.5°	87.3	84.8	80.5	78.8	77.0	71.9	66.8	59.1	53.1	45.4	37.7
155°	75.3	73.6	70.2	68.5	66.8	61.6	57.4	51.4	45.4	38.5	31.7
157.5°	65.1	63.3	59.9	58.2	56.5	53.1	47.9	43.7	37.7	31.7	25.7
160°	53.1	51.4	49.7	47.9	47.1	43.7	38.5	35.1	30.8	25.7	19.7
162.5°	41.9	41.9	39.4	38.5	36.8	34.2	30.8	26.5	23.1	19.7	14.6
165°	31.7	30.8	29.1	28.3	27.4	24.8	22.3	20.5	17.1	13.7	9.4
167.5°	21.4	20.5	19.7	19.7	18.8	17.1	14.6	12.0	10.3	7.7	6.0
170°	12.0	11.1	11.1	10.3	10.3	8.6	7.7	6.0	5.1	3.4	2.6
172.5°	3.4	3.4	3.4	3.4	2.6	1.7	1.7	0.9	0.9	0.9	0.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0
2.5°	2056.3	2058.0	2058.0	2057.1	2064.8	2069.1	2073.4	2077.7	2081.9	2085.4	2089.6
5°	2048.6	2051.1	2050.3	2052.0	2055.4	2064.8	2068.2	2070.8	2075.1	2079.4	2084.5
7.5°	2040.0	2040.9	2040.0	2039.1	2046.8	2052.8	2056.3	2060.5	2065.7	2068.2	2072.5
10°	2027.2	2026.3	2026.3	2026.3	2031.4	2037.4	2041.7	2046.0	2049.4	2052.8	2055.4
12.5°	2009.2	2010.9	2006.6	2008.3	2009.2	2016.0	2021.2	2027.2	2028.0	2032.3	2034.0
15°	1990.3	1988.6	1988.6	1986.9	1986.9	1992.1	1995.5	1998.9	2004.0	2009.2	2012.6
17.5°	1965.5	1962.1	1960.4	1962.1	1959.5	1962.1	1967.2	1969.8	1974.9	1975.8	1985.2
20°	1937.3	1938.1	1932.1	1927.9	1927.0	1931.3	1932.1	1939.0	1942.4	1943.3	1950.1
22.5°	1906.5	1901.3	1897.9	1896.2	1895.3	1895.3	1895.3	1897.9	1903.0	1905.6	1912.4
25°	1873.1	1864.5	1861.9	1859.4	1853.4	1852.5	1855.1	1857.7	1861.1	1867.1	1872.2
27.5°	1833.7	1826.0	1823.4	1817.4	1809.7	1812.3	1812.3	1817.4	1816.6	1821.7	1828.5
30°	1789.2	1782.3	1776.3	1775.5	1761.8	1766.1	1760.9	1769.5	1767.8	1776.3	1784.0
32.5°	1748.9	1736.9	1727.5	1725.0	1713.8	1712.1	1711.3	1714.7	1714.7	1722.4	1736.1
35°	1700.1	1686.4	1675.3	1674.5	1658.2	1659.0	1653.1	1659.0	1660.8	1668.5	1682.2
37.5°	1644.5	1629.9	1623.9	1621.4	1603.4	1601.7	1597.4	1598.3	1602.5	1612.0	1622.2
40°	1588.9	1576.0	1568.3	1566.6	1550.3	1540.1	1533.2	1538.3	1537.5	1552.0	1564.0
42.5°	1533.2	1516.1	1506.7	1501.5	1490.4	1478.4	1471.6	1473.3	1477.6	1486.1	1504.1
45°	1476.7	1457.0	1445.9	1442.5	1421.1	1411.6	1404.8	1405.7	1409.1	1425.3	1434.8
47.5°	1409.9	1391.1	1380.8	1373.1	1354.3	1344.0	1333.7	1336.3	1339.7	1352.6	1370.6
50°	1342.3	1321.8	1311.5	1304.6	1290.1	1267.8	1259.3	1258.4	1263.5	1282.4	1302.9
52.5°	1276.4	1252.4	1243.0	1233.6	1211.3	1195.1	1188.2	1191.6	1194.2	1200.2	1224.2
55°	1204.5	1180.5	1167.7	1163.4	1135.1	1124.9	1112.0	1105.2	1111.2	1127.4	1151.4
57.5°	1130.9	1102.6	1090.6	1084.6	1056.4	1048.7	1029.8	1023.0	1029.0	1045.3	1068.4
60°	1046.1	1026.4	1009.3	1002.4	980.2	957.1	944.2	944.2	952.8	959.6	983.6
62.5°	966.5	939.1	934.8	914.3	892.0	874.9	859.5	853.5	864.6	880.9	900.6
65°	879.2	850.9	845.8	830.4	807.3	786.7	779.0	770.5	775.6	786.7	807.3
67.5°	796.1	767.0	754.2	740.5	725.1	698.5	678.9	677.1	681.4	706.3	719.1
70°	706.3	678.9	669.4	664.3	632.6	606.9	592.4	585.5	594.1	618.9	635.2
72.5°	612.1	595.0	576.1	566.7	541.0	513.6	497.4	494.8	503.4	518.8	541.0
75°	523.9	497.4	488.8	477.7	450.3	422.9	404.9	400.6	410.9	426.3	449.4
77.5°	436.6	408.3	399.8	386.1	361.3	336.4	314.2	305.6	321.0	337.3	364.7
80°	351.8	329.6	316.7	303.9	279.1	254.3	228.6	220.0	233.7	252.5	271.4
82.5°	269.7	245.7	228.6	218.3	195.2	172.1	152.4	147.2	156.7	175.5	195.2
85°	200.3	176.3	162.7	150.7	130.1	99.3	81.3	73.6	82.2	101.9	126.7
87.5°	154.1	127.6	113.9	103.6	74.5	53.1	30.8	24.8	34.2	51.4	78.8
90°	129.3	104.4	91.6	78.8	52.2	28.3	10.3	2.6	12.0	31.7	57.4
92.5°	125.8	101.0	88.2	75.3	49.7	25.7	7.7	0.9	9.4	28.3	53.1
95°	124.1	99.3	86.5	73.6	47.9	24.8	6.8	0.9	8.6	27.4	52.2
97.5°	122.4	96.7	84.8	71.9	47.1	24.8	6.8	0.9	8.6	26.5	50.5
100°	119.8	94.2	82.2	70.2	46.2	24.0	6.8	0.9	8.6	26.5	49.7
102.5°	116.4	92.5	80.5	68.5	44.5	23.1	6.0	0.9	7.7	25.7	48.8
105°	113.0	89.9	78.8	66.8	42.8	22.3	6.0	0.9	7.7	24.8	47.1
107.5°	110.4	87.3	76.2	64.2	41.1	21.4	5.1	0.9	6.8	24.0	45.4
110°	107.0	84.8	73.6	62.5	40.2	20.5	5.1	0.9	6.8	23.1	43.7



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	103.6	81.3	71.1	59.9	38.5	18.8	4.3	0.9	6.0	22.3	41.9
115°	99.3	78.8	68.5	57.4	36.8	18.0	4.3	0.9	6.0	21.4	41.1
117.5°	95.9	75.3	65.1	54.8	34.2	17.1	3.4	0.9	5.1	19.7	38.5
120°	91.6	71.1	61.6	51.4	32.5	16.3	2.6	0.9	5.1	18.8	36.8
122.5°	87.3	67.6	58.2	48.8	30.8	14.6	2.6	0.9	4.3	18.0	35.1
125°	83.0	64.2	54.8	46.2	29.1	13.7	1.7	0.9	4.3	16.3	33.4
127.5°	78.8	60.8	52.2	43.7	27.4	12.0	1.7	0.9	3.4	15.4	31.7
130°	73.6	56.5	48.8	40.2	24.8	11.1	1.7	0.9	2.6	13.7	28.3
132.5°	69.3	52.2	45.4	37.7	23.1	9.4	1.7	0.9	2.6	12.0	25.7
135°	64.2	48.8	41.9	35.1	20.5	8.6	0.9	0.9	1.7	10.3	22.3
137.5°	59.1	45.4	38.5	31.7	18.8	6.8	1.7	1.7	1.7	8.6	19.7
140°	53.9	41.1	34.2	28.3	16.3	6.0	1.7	1.7	1.7	7.7	17.1
142.5°	48.8	36.8	30.8	25.7	14.6	4.3	1.7	1.7	1.7	6.0	14.6
145°	44.5	33.4	27.4	22.3	12.0	3.4	1.7	1.7	1.7	5.1	12.0
147.5°	39.4	29.1	24.0	19.7	10.3	2.6	1.7	1.7	1.7	4.3	10.3
150°	34.2	24.8	20.5	16.3	7.7	1.7	1.7	1.7	1.7	3.4	9.4
152.5°	29.1	20.5	17.1	13.7	6.0	1.7	1.7	1.7	1.7	3.4	7.7
155°	24.0	17.1	13.7	10.3	4.3	1.7	1.7	1.7	1.7	2.6	6.0
157.5°	19.7	13.7	11.1	7.7	2.6	1.7	1.7	1.7	1.7	2.6	5.1
160°	15.4	9.4	7.7	5.1	1.7	1.7	1.7	1.7	1.7	2.6	3.4
162.5°	11.1	6.8	4.3	3.4	1.7	1.7	1.7	2.6	1.7	1.7	3.4
165°	6.8	3.4	2.6	1.7	1.7	1.7	1.7	2.6	2.6	1.7	2.6
167.5°	3.4	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6
170°	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6
172.5°	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6
175°	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6
177.5°	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0
2.5°	2089.6	2090.5	2090.5	2090.5	2086.2	2079.4	2076.8	2070.8	2072.5	2076.0	2076.0
5°	2085.4	2086.2	2084.5	2083.7	2079.4	2071.7	2070.0	2067.4	2065.7	2071.7	2071.7
7.5°	2074.2	2073.4	2074.2	2075.1	2071.7	2065.7	2062.3	2058.8	2061.4	2065.7	2066.5
10°	2058.8	2060.5	2060.5	2059.7	2058.0	2053.7	2052.8	2050.3	2052.8	2056.3	2059.7
12.5°	2039.1	2041.7	2041.7	2043.4	2041.7	2037.4	2040.0	2036.6	2041.7	2049.4	2050.3
15°	2016.9	2017.7	2017.7	2022.9	2022.9	2022.0	2023.7	2022.9	2028.9	2032.3	2034.0
17.5°	1990.3	1990.3	1994.6	2000.6	2001.5	1994.6	1999.8	2000.6	2004.0	2011.7	2016.9
20°	1957.0	1963.0	1961.2	1968.1	1968.1	1968.9	1972.4	1975.8	1980.9	1985.2	1995.5
22.5°	1920.1	1927.0	1927.0	1931.3	1937.3	1940.7	1941.5	1945.8	1952.7	1965.5	1964.7
25°	1885.0	1885.0	1891.0	1895.3	1897.0	1906.5	1903.0	1916.7	1921.9	1932.1	1933.8
27.5°	1842.2	1843.1	1850.8	1858.5	1860.2	1862.8	1872.2	1876.5	1887.6	1892.8	1902.2
30°	1795.2	1802.9	1805.4	1816.6	1820.0	1826.0	1831.1	1838.0	1850.8	1855.1	1861.9
32.5°	1745.5	1755.8	1758.4	1767.8	1771.2	1780.6	1784.9	1790.9	1804.6	1814.0	1822.6
35°	1690.7	1699.3	1706.1	1719.8	1725.0	1731.0	1736.9	1748.9	1763.5	1767.8	1775.5
37.5°	1636.8	1646.2	1653.1	1665.0	1671.9	1683.0	1690.7	1698.4	1710.4	1720.7	1726.7
40°	1581.1	1590.6	1593.1	1609.4	1616.2	1629.1	1636.8	1649.6	1659.0	1669.3	1683.0
42.5°	1518.7	1528.1	1532.4	1548.6	1560.6	1566.6	1581.1	1591.4	1606.0	1612.0	1620.5
45°	1456.2	1463.0	1469.9	1485.3	1498.1	1505.8	1522.9	1531.5	1541.8	1553.8	1560.6
47.5°	1386.0	1394.5	1401.4	1419.4	1432.2	1446.7	1457.9	1469.9	1483.6	1491.3	1505.8
50°	1317.5	1326.0	1332.0	1350.9	1363.7	1374.8	1393.7	1409.9	1417.6	1428.8	1437.3
52.5°	1243.0	1255.0	1262.7	1283.2	1296.9	1309.8	1320.9	1338.0	1344.0	1363.7	1372.3
55°	1163.4	1176.2	1188.2	1204.5	1216.5	1241.3	1245.6	1264.4	1279.8	1290.1	1294.4
57.5°	1085.5	1095.8	1110.3	1127.4	1147.1	1160.8	1172.8	1186.5	1195.9	1207.0	1221.6
60°	1005.0	1021.3	1022.1	1042.7	1058.9	1080.4	1098.3	1106.9	1124.0	1130.9	1141.1
62.5°	922.0	928.0	945.9	965.6	976.8	998.2	1010.2	1029.0	1040.1	1056.4	1067.5
65°	830.4	845.8	861.2	871.5	894.6	909.1	924.5	943.4	952.8	974.2	979.3
67.5°	745.6	760.2	765.3	786.7	805.6	828.7	844.9	860.3	870.6	884.3	902.3
70°	661.7	671.2	678.0	701.1	721.7	738.8	756.8	777.3	789.3	799.6	808.1
72.5°	565.9	572.7	591.5	608.7	630.1	650.6	668.6	686.6	700.3	711.4	721.7
75°	471.7	482.0	503.4	525.6	543.6	569.3	579.6	597.5	608.7	628.3	635.2
77.5°	389.5	402.3	411.8	439.2	455.4	482.0	500.8	515.3	523.1	539.3	553.9
80°	302.2	316.7	325.3	351.8	373.2	390.4	407.5	425.5	446.9	462.3	466.6
82.5°	226.0	232.8	244.0	273.1	295.3	322.7	339.9	352.7	370.7	382.7	392.9
85°	156.7	163.5	181.5	202.9	226.0	250.8	269.7	290.2	303.0	318.5	330.4
87.5°	103.6	116.4	131.8	156.7	177.2	201.2	221.7	238.8	256.0	270.5	281.6
90°	83.0	95.9	109.6	134.4	158.4	180.6	201.2	220.0	236.3	251.7	262.8
92.5°	79.6	92.5	105.3	131.0	154.1	177.2	197.8	217.4	232.8	247.4	260.2
95°	77.9	90.7	103.6	128.4	152.4	174.6	195.2	214.9	231.1	245.7	257.7
97.5°	76.2	89.0	101.9	126.7	149.8	172.9	192.6	211.4	228.6	243.1	255.1
100°	74.5	86.5	99.3	123.3	147.2	169.5	190.0	208.9	225.1	239.7	251.7
102.5°	72.8	84.8	97.6	120.7	143.8	165.2	185.8	203.7	220.9	234.6	246.5
105°	70.2	82.2	95.0	118.1	140.4	160.9	181.5	199.5	216.6	229.4	241.4
107.5°	68.5	80.5	91.6	115.6	137.0	157.5	176.3	194.3	210.6	225.1	236.3
110°	65.9	77.9	89.0	111.3	133.5	153.2	172.1	190.0	205.5	220.0	231.1



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	64.2	75.3	86.5	107.9	128.4	149.0	166.9	184.1	200.3	213.2	224.3
115°	61.6	72.8	83.0	104.4	125.0	144.7	161.8	178.9	193.5	207.2	218.3
117.5°	59.1	69.3	80.5	100.2	120.7	138.7	156.7	172.1	186.6	199.5	210.6
120°	56.5	66.8	77.0	96.7	115.6	134.4	150.7	166.1	179.8	192.6	202.9
122.5°	53.9	63.3	73.6	92.5	110.4	128.4	144.7	159.2	172.9	184.1	195.2
125°	51.4	60.8	70.2	88.2	105.3	122.4	137.8	152.4	165.2	176.3	186.6
127.5°	48.8	57.4	65.9	83.9	101.0	116.4	131.8	145.5	157.5	168.6	178.1
130°	45.4	53.9	61.6	78.8	95.0	110.4	125.0	137.8	150.7	160.1	169.5
132.5°	40.2	48.8	57.4	73.6	89.9	104.4	118.1	131.0	142.1	151.5	160.9
135°	36.0	43.7	51.4	65.9	82.2	97.6	110.4	122.4	133.5	142.1	151.5
137.5°	31.7	38.5	45.4	59.1	73.6	88.2	103.6	114.7	125.0	133.5	141.3
140°	28.3	33.4	40.2	52.2	65.9	78.8	93.3	107.0	116.4	125.0	132.7
142.5°	24.0	30.0	36.0	46.2	57.4	69.3	83.0	95.9	107.9	114.7	122.4
145°	20.5	25.7	30.8	40.2	49.7	60.8	71.1	85.6	97.6	106.2	112.1
147.5°	18.0	21.4	26.5	35.1	42.8	52.2	62.5	73.6	84.8	95.9	101.9
150°	15.4	18.8	22.3	29.1	36.8	44.5	52.2	62.5	71.1	83.0	91.6
152.5°	12.8	16.3	18.8	24.8	30.8	37.7	44.5	53.1	60.8	69.3	80.5
155°	11.1	13.7	16.3	20.5	25.7	30.8	36.8	43.7	50.5	58.2	66.8
157.5°	8.6	11.1	13.7	17.1	21.4	24.8	30.0	34.2	41.1	45.4	53.1
160°	6.8	8.6	10.3	13.7	17.1	20.5	23.1	27.4	31.7	35.1	41.1
162.5°	5.1	6.8	8.6	11.1	13.7	16.3	18.0	20.5	23.1	26.5	30.8
165°	3.4	5.1	6.0	7.7	10.3	12.0	13.7	14.6	16.3	18.8	21.4
167.5°	2.6	3.4	4.3	5.1	6.8	8.6	9.4	10.3	11.1	12.0	13.7
170°	2.6	2.6	2.6	3.4	4.3	5.1	6.0	6.0	6.8	6.8	7.7
172.5°	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6
175°	2.6	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.0	0.0
177.5°	2.6	1.7	1.7	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0
2.5°	2076.8	2078.5	2078.5	2078.5	2078.5	2077.7	2078.5	2078.5	2077.7	2077.7	2077.7
5°	2073.4	2073.4	2076.0	2075.1	2076.0	2075.1	2075.1	2073.4	2075.1	2074.2	2073.4
7.5°	2068.2	2069.1	2070.0	2071.7	2070.8	2070.0	2070.8	2069.1	2068.2	2068.2	2068.2
10°	2060.5	2063.1	2064.8	2066.5	2064.8	2065.7	2064.8	2064.0	2061.4	2062.3	2062.3
12.5°	2049.4	2051.1	2053.7	2053.7	2054.5	2052.8	2056.3	2053.7	2052.0	2053.7	2049.4
15°	2037.4	2035.7	2039.1	2042.6	2041.7	2040.9	2042.6	2040.0	2039.1	2036.6	2038.3
17.5°	2022.0	2021.2	2026.3	2025.4	2025.4	2024.6	2023.7	2022.9	2020.3	2019.5	2018.6
20°	1996.3	2000.6	2001.5	2004.0	2004.0	2004.0	2004.0	1999.8	1998.0	1997.2	1996.3
22.5°	1970.7	1972.4	1974.9	1977.5	1978.4	1979.2	1978.4	1979.2	1975.8	1974.1	1973.2
25°	1937.3	1945.0	1951.0	1954.4	1951.0	1952.7	1951.8	1949.3	1950.1	1943.3	1944.1
27.5°	1902.2	1907.3	1913.3	1917.6	1916.7	1918.4	1918.4	1917.6	1914.2	1913.3	1910.7
30°	1866.2	1870.5	1871.4	1877.3	1879.9	1882.5	1879.9	1879.1	1877.3	1871.4	1872.2
32.5°	1827.7	1826.8	1836.3	1835.4	1838.8	1843.1	1840.5	1839.7	1835.4	1832.8	1832.0
35°	1777.2	1782.3	1788.3	1791.7	1791.7	1793.4	1796.0	1792.6	1792.6	1787.5	1787.5
37.5°	1735.2	1735.2	1738.7	1743.8	1746.4	1749.8	1747.2	1748.9	1740.4	1742.1	1736.9
40°	1680.4	1683.9	1689.0	1691.6	1694.1	1701.9	1696.7	1691.6	1689.0	1690.7	1682.2
42.5°	1626.5	1625.7	1632.5	1636.8	1638.5	1642.8	1641.1	1640.2	1637.6	1631.7	1626.5
45°	1564.0	1570.9	1574.3	1576.9	1582.0	1585.4	1581.1	1582.9	1576.0	1570.0	1568.3
47.5°	1507.5	1509.2	1510.9	1518.7	1516.1	1520.4	1522.1	1523.8	1518.7	1511.8	1510.1
50°	1443.3	1440.8	1449.3	1454.4	1452.7	1456.2	1457.9	1457.0	1452.7	1442.5	1441.6
52.5°	1371.4	1372.3	1380.0	1386.8	1383.4	1386.8	1390.2	1389.4	1380.0	1379.1	1374.8
55°	1300.4	1302.9	1310.6	1311.5	1314.1	1320.0	1316.6	1313.2	1314.9	1307.2	1302.1
57.5°	1225.9	1225.9	1234.4	1239.6	1239.6	1245.6	1244.7	1240.4	1238.7	1237.0	1229.3
60°	1148.8	1151.4	1157.4	1160.8	1168.5	1169.4	1163.4	1166.8	1165.1	1154.0	1148.0
62.5°	1067.5	1066.7	1079.5	1082.9	1084.6	1085.5	1082.9	1087.2	1078.6	1073.5	1074.4
65°	980.2	983.6	993.0	1006.7	1003.3	1004.2	999.9	1000.7	995.6	989.6	986.2
67.5°	905.7	908.3	910.0	919.4	928.8	922.0	917.7	916.0	910.8	910.8	904.0
70°	811.5	815.8	833.8	832.1	834.7	832.1	837.2	838.1	824.4	816.7	822.7
72.5°	733.6	729.4	747.3	742.2	746.5	749.1	749.9	742.2	740.5	732.8	729.4
75°	640.3	650.6	656.6	657.5	658.3	669.4	666.9	662.6	653.2	641.2	644.6
77.5°	559.9	564.1	567.6	571.0	573.6	578.7	579.6	577.0	568.4	565.9	560.7
80°	475.1	481.1	489.7	490.5	492.2	496.5	498.2	493.9	487.1	474.3	469.1
82.5°	398.1	403.2	416.9	419.5	422.9	417.8	423.8	417.8	407.5	403.2	398.9
85°	333.0	340.7	345.8	350.1	353.6	358.7	353.6	352.7	345.8	339.0	331.3
87.5°	289.3	293.6	303.0	305.6	307.3	312.5	310.8	307.3	299.6	290.2	287.6
90°	268.8	273.9	282.5	287.6	291.1	291.1	290.2	286.8	280.8	273.1	267.1
92.5°	267.1	273.1	280.8	285.1	288.5	289.3	288.5	284.2	278.2	269.7	264.5
95°	263.7	268.8	277.4	282.5	285.1	286.8	285.1	282.5	276.5	267.1	262.8
97.5°	261.1	266.2	273.9	279.9	282.5	284.2	282.5	279.1	273.1	264.5	259.4
100°	256.0	262.0	269.7	275.7	278.2	279.9	279.1	274.8	268.8	261.1	256.0
102.5°	251.7	256.8	264.5	270.5	273.1	273.9	273.1	269.7	263.7	256.0	250.8
105°	247.4	251.7	259.4	264.5	267.9	268.8	267.9	265.4	259.4	250.8	245.7
107.5°	241.4	246.5	254.3	259.4	262.0	263.7	262.0	259.4	253.4	244.8	240.6
110°	236.3	239.7	247.4	252.5	256.0	256.8	256.0	252.5	246.5	238.8	233.7



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	229.4	233.7	241.4	245.7	248.3	250.0	249.1	244.8	239.7	231.1	226.9
115°	222.6	226.9	234.6	238.8	241.4	243.1	242.3	238.8	232.0	224.3	220.0
117.5°	214.9	220.0	226.9	230.3	233.7	234.6	233.7	230.3	225.1	218.3	212.3
120°	208.0	211.4	218.3	222.6	225.1	226.0	225.1	221.7	216.6	208.9	205.5
122.5°	199.5	203.7	210.6	215.7	217.4	218.3	217.4	214.9	208.9	201.2	196.9
125°	190.9	194.3	201.2	205.5	208.0	209.7	208.0	204.6	198.6	192.6	188.3
127.5°	181.5	185.8	192.6	196.0	198.6	200.3	198.6	194.3	190.0	184.1	179.8
130°	172.9	177.2	182.3	186.6	189.2	190.0	188.3	185.8	181.5	174.6	171.2
132.5°	164.4	167.8	172.9	177.2	178.9	179.8	178.1	175.5	171.2	165.2	160.9
135°	154.9	157.5	162.7	166.1	168.6	169.5	167.8	164.4	160.9	155.8	152.4
137.5°	144.7	148.1	152.4	156.7	158.4	159.2	157.5	154.9	150.7	145.5	142.1
140°	135.3	137.0	143.0	144.7	147.2	148.1	145.5	143.0	139.5	134.4	131.8
142.5°	125.0	127.6	131.8	134.4	137.0	137.0	135.3	132.7	129.3	124.1	122.4
145°	114.7	116.4	120.7	123.3	125.0	125.0	124.1	121.6	119.0	113.9	112.1
147.5°	104.4	106.2	109.6	112.1	113.9	114.7	113.0	111.3	107.9	103.6	101.0
150°	94.2	95.0	98.4	100.2	101.9	101.9	101.0	99.3	95.9	93.3	90.7
152.5°	83.0	83.9	87.3	89.0	89.9	91.6	89.9	87.3	85.6	82.2	80.5
155°	72.8	74.5	76.2	77.9	78.8	78.8	77.9	77.0	74.5	71.9	69.3
157.5°	58.2	63.3	65.9	66.8	66.8	67.6	66.8	65.1	64.2	61.6	59.9
160°	45.4	48.8	53.9	56.5	56.5	55.6	55.6	53.9	53.1	50.5	50.5
162.5°	33.4	36.0	42.8	43.7	45.4	44.5	44.5	44.5	42.8	41.9	39.4
165°	23.1	24.8	30.0	34.2	34.2	33.4	33.4	32.5	32.5	30.8	29.1
167.5°	14.6	15.4	18.0	24.0	24.0	23.1	23.1	23.1	22.3	20.5	20.5
170°	7.7	8.6	9.4	11.1	13.7	13.7	12.8	13.7	12.8	12.0	11.1
172.5°	2.6	2.6	1.7	2.6	5.1	5.1	5.1	5.1	5.1	4.3	4.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0	2076.0
2.5°	2077.7	2076.0	2073.4	2069.1	2064.8	2064.8	2064.8	2067.4	2069.1	2068.2	2069.1
5°	2073.4	2069.1	2067.4	2062.3	2059.7	2059.7	2058.0	2060.5	2064.8	2063.1	2064.0
7.5°	2068.2	2065.7	2061.4	2055.4	2050.3	2049.4	2049.4	2050.3	2052.0	2051.1	2050.3
10°	2059.7	2056.3	2053.7	2046.0	2040.0	2037.4	2036.6	2039.1	2037.4	2037.4	2036.6
12.5°	2050.3	2046.0	2040.9	2032.3	2027.2	2022.0	2022.0	2020.3	2021.2	2021.2	2019.5
15°	2033.1	2033.1	2025.4	2018.6	2010.0	2004.9	2001.5	2001.5	2000.6	1999.8	1996.3
17.5°	2016.9	2012.6	2004.9	1996.3	1991.2	1985.2	1980.9	1975.8	1974.9	1974.1	1968.9
20°	1996.3	1988.6	1984.4	1974.9	1967.2	1960.4	1952.7	1947.5	1946.7	1941.5	1938.1
22.5°	1970.7	1964.7	1957.8	1949.3	1937.3	1929.6	1924.4	1917.6	1911.6	1909.9	1906.5
25°	1942.4	1938.1	1933.0	1917.6	1907.3	1899.6	1890.2	1882.5	1874.8	1872.2	1867.9
27.5°	1909.0	1901.3	1896.2	1887.6	1873.9	1859.4	1851.7	1841.4	1836.3	1831.1	1829.4
30°	1867.9	1865.4	1855.1	1846.5	1833.7	1821.7	1814.0	1796.0	1793.4	1786.6	1778.9
32.5°	1829.4	1826.8	1814.0	1804.6	1790.9	1779.8	1767.8	1754.1	1742.1	1740.4	1731.8
35°	1781.5	1780.6	1768.6	1758.4	1745.5	1735.2	1719.0	1707.0	1691.6	1686.4	1681.3
37.5°	1731.8	1731.8	1719.0	1707.8	1696.7	1682.2	1668.5	1648.8	1642.8	1632.5	1627.4
40°	1678.7	1672.7	1665.9	1657.3	1640.2	1627.4	1612.0	1597.4	1583.7	1575.2	1570.0
42.5°	1622.2	1620.5	1614.5	1603.4	1585.4	1569.2	1557.2	1540.9	1522.1	1519.5	1509.2
45°	1565.7	1564.0	1551.2	1541.8	1526.4	1510.9	1495.5	1475.9	1461.3	1455.3	1445.0
47.5°	1500.7	1499.0	1492.1	1475.9	1463.0	1445.0	1431.3	1409.9	1392.0	1384.3	1374.8
50°	1439.0	1430.5	1421.9	1410.8	1393.7	1381.7	1365.4	1346.6	1330.3	1315.8	1311.5
52.5°	1372.3	1362.0	1350.9	1344.9	1322.6	1312.3	1293.5	1269.5	1255.8	1248.1	1235.3
55°	1297.8	1289.2	1285.8	1263.5	1253.3	1234.4	1222.5	1202.8	1185.6	1166.0	1162.5
57.5°	1224.2	1213.0	1203.6	1188.2	1181.4	1162.5	1146.3	1119.7	1104.3	1089.8	1078.6
60°	1146.3	1138.6	1124.0	1111.2	1097.5	1085.5	1065.8	1037.5	1018.7	1008.4	1007.6
62.5°	1063.2	1055.5	1051.2	1026.4	1018.7	994.7	977.6	959.6	931.4	922.8	912.6
65°	980.2	975.1	958.8	945.9	927.1	914.3	897.2	874.0	853.5	837.2	824.4
67.5°	903.1	892.9	878.3	859.5	846.6	829.5	807.3	779.0	756.8	751.6	737.9
70°	812.4	797.8	791.0	768.7	753.3	740.5	715.7	696.0	670.3	654.0	642.0
72.5°	727.7	714.0	702.8	684.0	666.0	645.5	626.6	602.7	577.8	562.4	553.0
75°	640.3	627.5	618.1	598.4	583.0	559.9	532.5	511.1	493.9	473.4	459.7
77.5°	552.2	538.5	533.3	505.9	487.1	475.1	450.3	426.3	397.2	388.7	372.4
80°	464.8	453.7	446.0	420.3	404.9	381.8	363.8	339.9	315.0	298.8	288.5
82.5°	396.4	382.7	362.1	347.6	327.0	309.0	282.5	263.7	234.6	222.6	210.6
85°	327.9	312.5	301.3	279.1	266.2	247.4	222.6	195.2	171.2	157.5	144.7
87.5°	280.8	266.2	255.1	235.4	217.4	193.5	173.8	149.8	121.6	109.6	98.4
90°	262.0	248.3	233.7	216.6	197.8	176.3	154.1	130.1	104.4	91.6	78.8
92.5°	259.4	246.5	232.0	214.0	195.2	173.8	151.5	127.6	102.7	89.0	76.2
95°	256.8	244.0	229.4	211.4	192.6	172.1	149.8	125.8	101.0	87.3	74.5
97.5°	254.3	241.4	226.9	208.9	190.0	169.5	147.2	124.1	98.4	85.6	72.8
100°	250.0	237.1	222.6	205.5	186.6	166.1	144.7	121.6	96.7	83.9	71.9
102.5°	245.7	232.8	218.3	201.2	182.3	162.7	141.3	118.1	94.2	81.3	69.3
105°	239.7	226.9	213.2	196.9	178.9	159.2	137.0	115.6	91.6	79.6	67.6
107.5°	234.6	222.6	208.0	191.8	173.8	154.9	133.5	112.1	89.0	77.0	65.1
110°	228.6	216.6	202.9	186.6	169.5	150.7	130.1	108.7	86.5	74.5	63.3



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	221.7	209.7	196.9	181.5	164.4	145.5	125.8	105.3	83.0	71.9	60.8
115°	214.9	204.6	190.9	175.5	158.4	140.4	121.6	101.0	79.6	68.5	58.2
117.5°	208.0	196.9	184.1	169.5	153.2	135.3	116.4	96.7	76.2	65.9	55.6
120°	199.5	189.2	177.2	163.5	147.2	130.1	112.1	92.5	72.8	62.5	53.1
122.5°	192.6	182.3	170.4	156.7	141.3	124.1	107.0	89.0	69.3	59.1	49.7
125°	184.1	173.8	162.7	149.0	134.4	118.1	101.9	84.8	65.1	55.6	47.1
127.5°	176.3	166.9	154.9	142.1	127.6	113.0	96.7	80.5	61.6	53.1	44.5
130°	166.9	157.5	146.4	134.4	121.6	106.2	91.6	75.3	58.2	49.7	41.1
132.5°	158.4	149.0	138.7	127.6	114.7	100.2	85.6	70.2	53.9	46.2	38.5
135°	149.0	139.5	130.1	119.0	107.0	94.2	80.5	65.1	50.5	42.8	35.1
137.5°	138.7	131.0	121.6	111.3	100.2	87.3	74.5	60.8	46.2	39.4	32.5
140°	129.3	121.6	113.0	103.6	91.6	80.5	68.5	55.6	42.8	35.1	30.0
142.5°	119.0	112.1	103.6	95.0	83.9	74.5	62.5	50.5	38.5	31.7	26.5
145°	109.6	101.9	95.0	86.5	76.2	67.6	56.5	45.4	34.2	29.1	23.1
147.5°	99.3	93.3	85.6	77.9	69.3	59.9	50.5	40.2	30.0	24.8	20.5
150°	88.2	83.0	77.0	69.3	61.6	53.9	44.5	35.1	25.7	21.4	17.1
152.5°	78.8	72.8	68.5	60.8	53.9	46.2	38.5	30.0	22.3	18.0	14.6
155°	67.6	63.3	58.2	53.1	46.2	40.2	32.5	25.7	18.0	14.6	11.1
157.5°	58.2	54.8	49.7	44.5	38.5	32.5	27.4	20.5	14.6	11.1	8.6
160°	47.9	44.5	40.2	36.8	31.7	26.5	21.4	16.3	11.1	8.6	6.0
162.5°	38.5	36.0	31.7	28.3	24.8	20.5	16.3	12.0	7.7	5.1	3.4
165°	28.3	26.5	24.0	20.5	18.0	14.6	11.1	7.7	4.3	3.4	2.6
167.5°	19.7	18.0	15.4	13.7	12.0	8.6	6.8	4.3	2.6	2.6	1.7
170°	11.1	9.4	8.6	6.8	6.0	4.3	2.6	2.6	1.7	1.7	1.7
172.5°	3.4	2.6	2.6	1.7	1.7	0.9	0.9	1.7	1.7	1.7	1.7
175°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7	1.7	1.7	1.7
177.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7	1.7	1.7	1.7
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2076.0	2076.0	2076.0	2076.0
2.5°	2070.8	2076.0	2079.4	2080.2
5°	2064.0	2070.0	2070.8	2074.2
7.5°	2052.0	2058.8	2060.5	2062.3
10°	2036.6	2041.7	2046.8	2048.6
12.5°	2016.9	2023.7	2024.6	2025.4
15°	1995.5	1997.2	2001.5	2000.6
17.5°	1964.7	1968.1	1973.2	1971.5
20°	1934.7	1937.3	1941.5	1938.1
22.5°	1901.3	1897.9	1901.3	1904.7
25°	1859.4	1859.4	1861.9	1859.4
27.5°	1817.4	1814.0	1812.3	1815.7
30°	1772.0	1765.2	1762.6	1766.1
32.5°	1719.8	1712.1	1712.1	1712.1
35°	1672.7	1665.0	1656.5	1654.8
37.5°	1615.4	1603.4	1596.6	1598.3
40°	1557.2	1541.8	1540.9	1534.1
42.5°	1492.1	1480.1	1475.0	1473.3
45°	1428.8	1409.9	1403.9	1401.4
47.5°	1356.9	1343.2	1332.0	1331.2
50°	1287.5	1273.8	1263.5	1263.5
52.5°	1212.2	1196.8	1185.6	1180.5
55°	1139.4	1116.3	1102.6	1106.9
57.5°	1057.2	1035.0	1019.6	1017.0
60°	978.5	956.2	940.0	940.8
62.5°	886.9	874.9	853.5	850.1
65°	808.1	786.7	762.8	756.8
67.5°	710.5	696.8	675.4	670.3
70°	621.5	603.5	585.5	571.8
72.5°	529.9	506.8	495.7	487.1
75°	441.7	410.1	401.5	400.6
77.5°	350.1	323.6	311.6	298.8
80°	260.2	242.3	222.6	212.3
82.5°	184.1	159.2	137.8	133.5
85°	115.6	91.6	71.9	62.5
87.5°	69.3	45.4	28.3	18.8
90°	52.2	27.4	8.6	0.9
92.5°	50.5	26.5	7.7	0.9
95°	48.8	25.7	6.8	0.9
97.5°	47.9	24.8	6.8	0.9
100°	47.1	24.0	6.8	0.9
102.5°	45.4	23.1	6.0	0.9
105°	44.5	22.3	6.0	0.9
107.5°	42.8	21.4	6.0	0.9
110°	41.1	20.5	5.1	0.9



TEST NUMBER: P241628

CATALOG NUMBER: FVS8M-4-LD4-50-3STD-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	39.4	19.7	5.1	0.9
115°	37.7	18.8	4.3	0.9
117.5°	35.1	17.1	3.4	0.9
120°	33.4	16.3	3.4	0.9
122.5°	31.7	15.4	2.6	0.9
125°	30.0	13.7	2.6	0.9
127.5°	28.3	12.8	1.7	0.9
130°	25.7	11.1	1.7	0.9
132.5°	24.0	10.3	1.7	0.9
135°	21.4	9.4	1.7	1.7
137.5°	19.7	7.7	1.7	1.7
140°	17.1	6.8	1.7	1.7
142.5°	15.4	5.1	1.7	1.7
145°	12.8	4.3	1.7	1.7
147.5°	11.1	3.4	1.7	1.7
150°	8.6	2.6	1.7	1.7
152.5°	6.8	2.6	1.7	1.7
155°	5.1	1.7	1.7	1.7
157.5°	3.4	1.7	1.7	1.7
160°	2.6	1.7	1.7	1.7
162.5°	2.6	1.7	2.6	2.6
165°	1.7	1.7	2.6	2.6
167.5°	1.7	2.6	2.6	2.6
170°	1.7	2.6	2.6	2.6
172.5°	1.7	2.6	2.6	2.6
175°	2.6	2.6	2.6	2.6
177.5°	2.6	2.6	2.6	2.6
180°	0.9	0.9	0.9	0.9

(END OF REPORT)