

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: P241627

Luminaire Tested: **FVS8M-4-LD4-40-3STD-O-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P241627  
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-LD4-40-3STD-O-UNV-EDC1  
Description: FAILSAFE FVS8M LED FIXTURE  
4FT LENGTH, 3-MODULE LED WITH OPAL LENS  
Light Source: (252) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

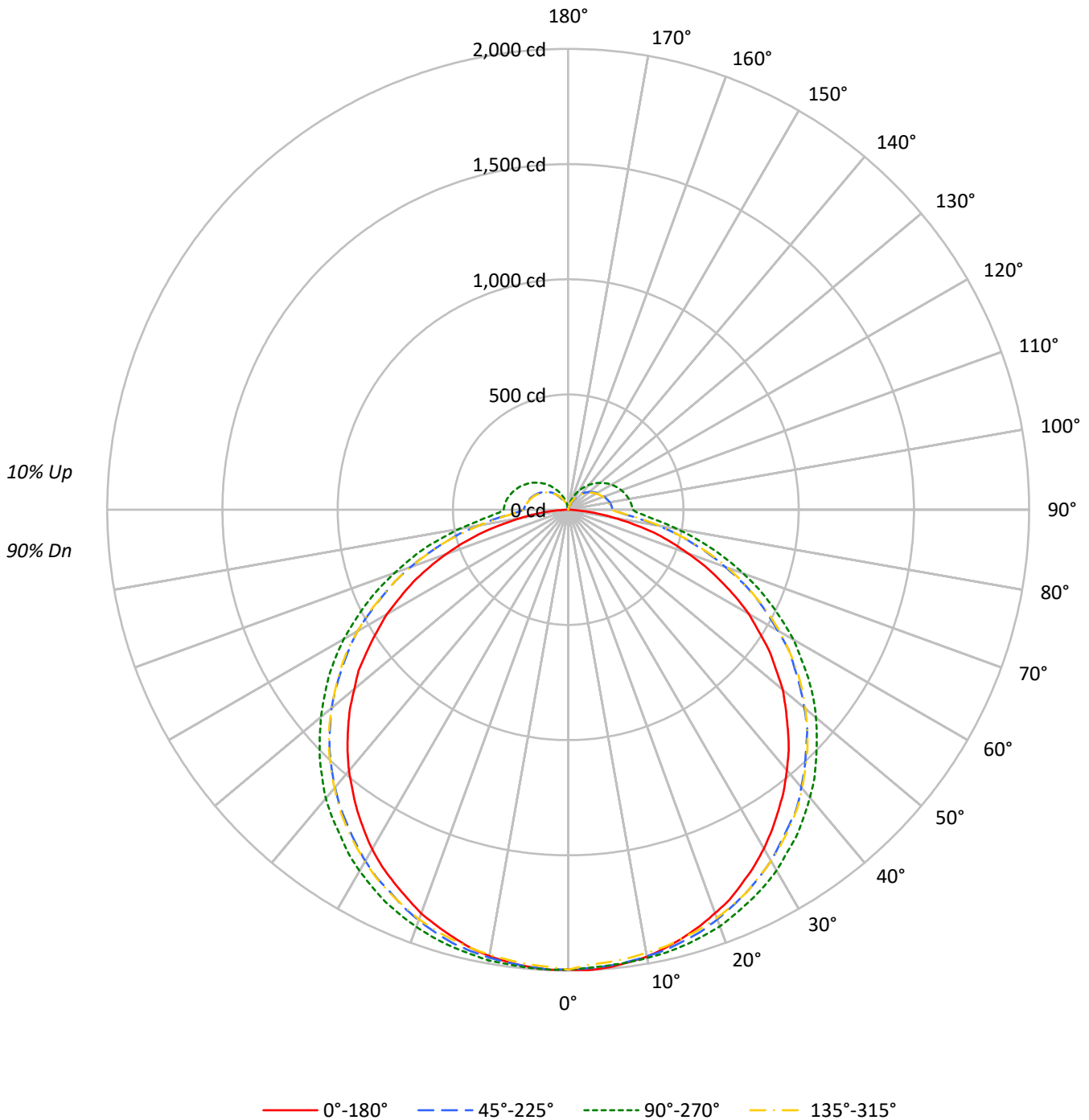
Lumens per Lamp: N/A  
Luminaire Lumens: 7241.0 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.34 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.65' x L: 3.73' x H: 0.15')  
CIE Type: Direct

Input Watts (W): 98.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	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°	8921	8921	8921	8921
5°	8917	8738	8902	8778
10°	8878	8622	8866	8668
15°	8808	8536	8800	8561
20°	8739	8458	8742	8469
25°	8658	8347	8650	8377
30°	8569	8256	8586	8264
35°	8449	8139	8471	8124
40°	8332	8002	8355	8026
45°	8196	7843	8221	7860
50°	8071	7689	8038	7671
55°	7854	7488	7842	7478
60°	7573	7251	7601	7225
65°	7099	6914	7228	6879
70°	6487	6512	6643	6452
75°	5804	6001	5804	6032
80°	4299	5397	4455	5388
85°	2130	4950	2509	4939



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.3	2.6
10°-20°	548.0	7.6
20°-30°	845.3	11.7
30°-40°	1044.4	14.4
40°-50°	1120.6	15.5
50°-60°	1060.9	14.7
60°-70°	867.1	12.0
70°-80°	570.0	7.9
80°-90°	271.6	3.8
90°-100°	180.8	2.5
100°-110°	163.0	2.3
110°-120°	136.7	1.9
120°-130°	105.2	1.5
130°-140°	72.4	1.0
140°-150°	42.0	0.6
150°-160°	18.6	0.3
160°-170°	4.7	0.1
170°-180°	0.2	0.0
0°-30°	1582.6	21.9
0°-40°	2627.0	36.3
0°-60°	4808.6	66.4
0°-90°	6517.2	90.0
90°-120°	480.5	6.6
90°-150°	700.2	9.7
90°-180°	724.0	10.0
0°-180°	7241.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1996	1996	1996	1996	1996	
5°	1994	1986	1991	1995	1994	190
15°	1924	1956	1922	1962	1924	543
25°	1788	1871	1786	1878	1788	825
35°	1591	1728	1595	1724	1591	996
45°	1347	1521	1352	1524	1347	1041
55°	1064	1271	1063	1269	1064	948
65°	728	970	741	966	728	722
75°	385	640	385	644	385	400
85°	60	346	71	345	60	81
90°	1	279	2	280	1	3
95°	1	275	1	276	1	1
105°	1	258	1	258	1	1
115°	1	232	1	234	1	1
125°	1	200	1	202	1	1
135°	2	161	1	163	2	1
145°	2	119	2	120	2	1
155°	2	74	2	76	2	1
165°	2	32	2	32	2	1
175°	2	0	2	0	2	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°	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0
2.5°	2000.1	2002.6	2006.7	2010.0	2010.8	2010.8	2009.2	2008.4	2002.6	1997.7	1991.9
5°	1994.4	1996.0	2001.8	2004.2	2005.1	2004.2	2001.8	2001.8	1996.8	1990.2	1987.8
7.5°	1982.8	1987.8	1989.4	1991.1	1992.7	1994.4	1992.7	1991.1	1987.8	1982.8	1979.5
10°	1969.7	1970.5	1973.8	1978.7	1978.7	1980.4	1978.7	1979.5	1975.4	1972.1	1968.0
12.5°	1947.4	1949.9	1953.2	1959.0	1960.6	1962.3	1960.6	1962.3	1958.1	1955.7	1957.3
15°	1923.6	1928.5	1929.3	1934.3	1938.4	1939.2	1940.0	1943.3	1938.4	1939.2	1937.6
17.5°	1895.6	1896.4	1901.4	1903.8	1909.6	1914.5	1912.1	1917.0	1917.0	1917.0	1919.5
20°	1863.5	1862.7	1866.8	1875.8	1880.8	1882.4	1884.1	1889.8	1890.7	1892.3	1892.3
22.5°	1831.4	1828.9	1831.4	1841.3	1843.7	1847.9	1854.4	1858.6	1857.7	1860.2	1861.8
25°	1787.8	1788.6	1792.7	1805.1	1808.3	1813.3	1816.6	1823.2	1824.8	1828.9	1831.4
27.5°	1745.8	1745.8	1753.2	1759.8	1766.4	1770.5	1776.2	1786.1	1786.1	1792.7	1796.8
30°	1698.0	1697.2	1705.5	1712.9	1722.7	1728.5	1733.4	1743.3	1746.6	1751.6	1759.8
32.5°	1646.2	1650.3	1657.7	1664.3	1676.6	1684.1	1691.5	1700.5	1706.3	1709.6	1714.5
35°	1591.0	1593.5	1604.2	1613.3	1625.6	1632.2	1641.3	1648.7	1659.4	1663.5	1670.9
37.5°	1536.7	1540.8	1549.1	1560.6	1575.4	1584.5	1587.8	1600.9	1604.2	1612.4	1630.6
40°	1475.0	1479.9	1495.6	1503.0	1518.6	1526.8	1533.4	1546.6	1554.8	1565.5	1572.9
42.5°	1416.6	1422.3	1427.3	1446.2	1461.0	1467.6	1474.2	1486.5	1497.2	1506.3	1518.6
45°	1347.4	1351.5	1364.7	1385.3	1397.6	1408.3	1413.3	1426.4	1441.2	1449.5	1460.2
47.5°	1279.9	1286.5	1297.2	1312.8	1327.7	1338.4	1350.7	1365.5	1382.0	1386.1	1406.7
50°	1214.9	1218.2	1226.4	1247.0	1263.5	1273.3	1280.7	1297.2	1309.5	1323.5	1337.5
52.5°	1135.1	1136.7	1153.2	1172.1	1195.1	1203.4	1210.0	1230.5	1242.1	1256.9	1268.4
55°	1064.3	1063.4	1079.9	1096.4	1119.4	1130.1	1135.9	1154.0	1169.6	1186.9	1199.3
57.5°	977.8	985.2	1000.9	1024.8	1044.5	1049.4	1059.3	1079.9	1095.5	1114.5	1135.1
60°	904.6	904.6	919.4	941.6	958.1	974.5	986.1	1004.2	1019.0	1034.6	1050.3
62.5°	817.3	818.2	837.9	854.4	877.4	890.6	900.5	922.7	941.6	954.8	971.3
65°	727.6	735.0	758.9	772.1	800.9	806.6	819.8	840.4	857.7	875.0	897.2
67.5°	644.5	651.1	664.2	685.6	715.3	721.9	735.0	756.4	781.1	787.7	813.2
70°	549.8	564.6	576.2	599.2	628.0	633.8	649.4	668.4	693.9	710.3	722.7
72.5°	468.3	474.9	493.9	509.5	530.9	545.7	567.1	581.9	605.0	619.8	641.2
75°	385.2	381.9	400.8	424.7	450.2	457.6	468.3	494.7	516.9	537.5	555.6
77.5°	287.3	293.0	316.9	344.9	368.7	373.7	387.7	409.1	432.1	453.5	479.0
80°	204.1	212.4	225.5	260.1	281.5	295.5	307.8	328.4	349.0	379.4	392.6
82.5°	128.4	135.8	155.6	181.9	204.1	217.3	232.9	253.5	274.9	301.3	316.1
85°	60.1	70.8	90.5	117.7	138.3	154.7	164.6	191.0	214.0	237.1	253.5
87.5°	18.1	25.5	46.9	70.0	95.5	107.8	120.2	145.7	171.2	192.6	210.7
90°	0.8	9.1	28.0	52.7	79.0	91.4	103.7	128.4	151.4	174.5	193.4
92.5°	0.8	8.2	27.2	51.0	76.5	88.9	102.1	125.9	149.0	171.2	191.0
95°	0.8	8.2	26.3	50.2	74.9	87.2	100.4	124.3	147.3	168.7	188.5
97.5°	0.8	8.2	25.5	48.6	73.3	85.6	97.9	121.8	144.9	166.3	186.0
100°	0.8	7.4	25.5	47.7	71.6	83.1	96.3	119.3	142.4	163.0	183.6
102.5°	0.8	7.4	24.7	46.1	70.0	81.5	93.8	116.9	138.3	159.7	178.6
105°	0.8	6.6	23.9	45.3	67.5	79.0	91.4	113.6	135.0	155.6	174.5
107.5°	0.8	6.6	23.0	43.6	65.8	77.4	88.9	110.3	131.7	151.4	170.4
110°	0.8	5.8	22.2	42.0	63.4	74.9	86.4	107.8	128.4	148.2	166.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.8	5.8	20.6	40.3	61.7	72.4	83.1	104.5	124.3	144.0	161.3
115°	0.8	4.9	19.8	38.7	59.3	70.0	79.8	100.4	120.2	138.3	155.6
117.5°	0.8	4.9	18.9	37.0	56.8	66.7	77.4	96.3	116.1	133.3	151.4
120°	0.8	4.1	18.1	35.4	54.3	64.2	74.1	93.0	111.1	128.4	144.9
122.5°	0.8	3.3	16.5	33.7	51.9	60.9	70.0	88.1	106.2	123.5	138.3
125°	0.8	2.5	15.6	31.3	48.6	57.6	66.7	84.8	101.2	117.7	132.5
127.5°	0.8	2.5	14.0	29.6	46.1	54.3	63.4	79.8	96.3	111.9	125.9
130°	0.8	1.6	12.3	26.3	42.8	51.0	59.3	75.7	90.5	106.2	119.3
132.5°	0.8	1.6	10.7	23.9	38.7	46.1	55.1	70.8	85.6	99.6	112.8
135°	1.6	1.6	9.1	21.4	34.6	42.0	49.4	64.2	79.0	93.0	105.4
137.5°	1.6	1.6	7.4	18.1	30.5	37.0	44.4	57.6	71.6	86.4	97.9
140°	1.6	1.6	6.6	15.6	26.3	32.9	38.7	51.0	63.4	76.5	89.7
142.5°	1.6	1.6	4.9	13.2	23.0	28.0	33.7	45.3	56.0	67.5	79.8
145°	1.6	1.6	4.1	11.5	19.8	24.7	28.8	38.7	48.6	59.3	70.8
147.5°	1.6	1.6	3.3	9.1	16.5	20.6	25.5	32.9	42.8	51.9	60.1
150°	1.6	1.6	2.5	7.4	14.0	17.3	21.4	28.0	36.2	44.4	51.9
152.5°	1.6	1.6	2.5	6.6	11.5	14.0	17.3	23.9	29.6	37.0	43.6
155°	1.6	1.6	2.5	4.9	9.1	11.5	14.8	19.8	24.7	30.5	36.2
157.5°	1.6	1.6	1.6	3.3	7.4	9.9	11.5	15.6	20.6	23.9	28.0
160°	1.6	1.6	1.6	2.5	5.8	7.4	9.1	12.3	15.6	18.9	23.0
162.5°	2.5	2.5	2.5	2.5	4.1	4.9	6.6	9.1	12.3	14.8	16.5
165°	2.5	2.5	2.5	2.5	2.5	3.3	4.1	6.6	8.2	10.7	12.3
167.5°	2.5	2.5	2.5	2.5	2.5	2.5	3.3	4.1	5.8	6.6	8.2
170°	2.5	2.5	2.5	2.5	2.5	1.6	1.6	2.5	2.5	3.3	4.1
172.5°	2.5	2.5	2.5	2.5	2.5	1.6	1.6	1.6	1.6	1.6	1.6
175°	2.5	2.5	2.5	2.5	2.5	1.6	1.6	1.6	1.6	0.8	0.8
177.5°	2.5	2.5	2.5	2.5	2.5	2.5	1.6	1.6	1.6	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0
2.5°	1987.8	1988.6	1991.1	1991.1	1991.1	1991.9	1991.1	1990.2	1988.6	1990.2	1987.8
5°	1983.7	1984.5	1986.1	1988.6	1988.6	1988.6	1990.2	1987.0	1987.0	1986.1	1985.3
7.5°	1977.1	1977.9	1981.2	1982.8	1982.8	1983.7	1984.5	1984.5	1982.0	1982.0	1980.4
10°	1967.2	1971.3	1973.0	1976.3	1974.6	1977.1	1977.9	1976.3	1974.6	1975.4	1975.4
12.5°	1955.7	1961.4	1961.4	1968.0	1967.2	1966.4	1968.0	1968.0	1967.2	1968.0	1968.0
15°	1940.9	1945.8	1949.1	1954.9	1954.0	1954.0	1958.1	1959.0	1956.5	1956.5	1954.9
17.5°	1921.1	1923.6	1931.8	1934.3	1935.9	1937.6	1940.0	1941.7	1940.9	1940.9	1938.4
20°	1896.4	1902.2	1911.2	1910.4	1919.5	1919.5	1919.5	1920.3	1921.9	1924.4	1920.3
22.5°	1866.8	1876.7	1884.1	1889.0	1890.7	1892.3	1895.6	1898.9	1898.1	1898.1	1898.9
25°	1836.3	1847.0	1852.8	1862.7	1866.0	1864.3	1870.9	1872.5	1872.5	1870.9	1872.5
27.5°	1802.6	1814.1	1824.0	1824.8	1829.7	1832.2	1835.5	1841.3	1841.3	1842.1	1839.6
30°	1765.5	1777.9	1784.5	1790.2	1793.5	1793.5	1802.6	1804.2	1803.4	1808.3	1807.5
32.5°	1725.2	1739.2	1745.0	1753.2	1757.3	1757.3	1762.3	1768.0	1765.5	1765.5	1767.2
35°	1679.9	1692.3	1699.7	1709.6	1711.2	1713.7	1719.5	1726.0	1728.5	1727.7	1725.2
37.5°	1638.8	1642.9	1656.1	1663.5	1664.3	1667.6	1674.2	1679.1	1677.5	1679.9	1679.1
40°	1584.5	1593.5	1605.0	1614.1	1619.0	1617.4	1624.0	1628.1	1630.6	1631.4	1634.7
42.5°	1533.4	1545.8	1553.2	1562.2	1565.5	1565.5	1569.6	1572.9	1577.1	1581.2	1577.1
45°	1475.8	1485.7	1496.4	1504.6	1511.2	1512.9	1516.1	1515.3	1519.4	1521.1	1526.8
47.5°	1414.9	1428.1	1436.3	1444.5	1447.8	1453.6	1460.2	1461.0	1466.8	1462.6	1467.6
50°	1354.8	1365.5	1376.2	1386.1	1389.4	1388.6	1391.9	1396.0	1400.1	1403.4	1400.9
52.5°	1284.9	1297.2	1307.9	1316.1	1323.5	1321.9	1331.8	1328.5	1337.5	1340.8	1335.9
55°	1212.4	1232.2	1240.4	1247.8	1248.6	1255.2	1269.2	1263.5	1266.7	1270.9	1267.6
57.5°	1140.8	1154.0	1165.5	1175.4	1177.9	1186.1	1189.4	1191.8	1196.0	1196.8	1200.9
60°	1072.5	1077.4	1092.2	1103.0	1107.1	1107.9	1122.7	1120.2	1126.0	1128.5	1125.2
62.5°	988.5	1003.4	1015.7	1028.0	1028.0	1034.6	1040.4	1038.7	1045.3	1049.4	1051.9
65°	907.1	921.9	934.2	944.1	948.2	955.6	958.1	959.7	967.1	970.4	970.4
67.5°	823.1	843.7	851.1	860.1	867.5	870.0	879.9	883.2	887.3	892.2	893.9
70°	740.8	763.8	771.2	780.3	782.8	790.2	796.8	803.3	801.7	807.5	811.6
72.5°	661.8	677.4	684.8	696.3	703.7	710.3	716.1	722.7	726.0	724.3	729.3
75°	576.2	592.6	600.0	616.5	618.1	624.7	635.4	639.5	641.2	640.4	642.0
77.5°	496.3	509.5	517.7	532.5	540.0	541.6	555.6	555.6	560.5	558.9	562.2
80°	409.1	426.4	445.3	456.0	463.4	462.6	470.0	475.8	478.2	478.2	480.7
82.5°	339.1	352.3	370.4	381.9	386.0	391.0	400.8	405.0	409.9	405.0	412.4
85°	278.2	293.0	307.0	316.1	320.2	328.4	336.6	338.3	345.7	345.7	344.9
87.5°	229.6	245.3	259.3	271.6	277.4	280.7	289.7	293.8	297.1	299.6	298.0
90°	211.5	228.0	242.0	253.5	259.3	263.4	270.8	275.7	278.2	279.0	278.2
92.5°	209.1	224.7	238.7	251.0	256.0	260.9	268.3	273.3	276.6	277.4	275.7
95°	206.6	223.1	237.1	248.6	253.5	258.5	265.9	270.8	274.1	274.9	273.3
97.5°	205.0	219.8	234.6	246.1	251.0	255.2	263.4	268.3	270.8	271.6	270.8
100°	201.7	216.5	230.5	242.0	246.9	251.0	258.5	264.2	266.7	267.5	266.7
102.5°	196.7	212.4	225.5	237.1	242.0	246.9	253.5	258.5	261.7	262.6	261.7
105°	192.6	208.2	221.4	232.1	237.1	242.0	248.6	253.5	256.8	257.6	256.0
107.5°	187.7	203.3	216.5	228.0	232.9	237.1	243.6	248.6	251.0	251.9	250.2
110°	182.7	198.4	211.5	222.2	227.2	230.5	237.9	242.0	245.3	246.1	244.5





TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	177.0	191.8	205.0	215.7	219.8	224.7	230.5	235.4	238.7	239.5	237.9
115°	171.2	185.2	199.2	209.9	214.0	218.1	224.7	228.8	231.3	232.1	231.3
117.5°	166.3	179.4	191.8	202.5	206.6	210.7	217.3	221.4	224.7	224.7	223.9
120°	159.7	172.9	184.4	194.3	200.0	202.5	209.1	214.0	216.5	216.5	216.5
122.5°	153.9	166.3	178.6	187.7	191.8	195.1	201.7	206.6	209.1	209.1	207.4
125°	146.5	158.9	169.6	179.4	182.7	186.0	192.6	196.7	199.2	200.0	198.4
127.5°	139.1	151.4	162.2	170.4	175.3	178.6	183.6	187.7	191.0	191.0	189.3
130°	131.7	143.2	153.9	162.2	166.3	168.7	174.5	179.4	181.1	181.1	180.3
132.5°	124.3	135.8	145.7	153.1	157.2	159.7	164.6	168.7	171.2	172.0	170.4
135°	116.9	127.6	136.6	144.9	147.3	150.6	154.7	158.9	160.5	161.3	159.7
137.5°	109.5	119.3	127.6	135.0	138.3	140.7	145.7	149.0	150.6	151.4	149.8
140°	101.2	110.3	118.5	125.9	129.2	130.9	135.8	138.3	140.7	140.7	139.1
142.5°	93.0	102.1	109.5	116.1	118.5	121.0	125.1	128.4	129.2	129.2	129.2
145°	83.1	93.0	100.4	107.0	109.5	111.1	114.4	116.9	118.5	119.3	117.7
147.5°	72.4	81.5	90.5	96.3	98.8	101.2	103.7	107.0	107.8	107.8	106.2
150°	60.9	70.0	79.8	86.4	89.7	90.5	93.0	94.7	97.1	97.1	96.3
152.5°	51.0	59.3	68.3	76.5	78.2	80.7	82.3	84.8	85.6	85.6	84.8
155°	42.8	49.4	56.0	64.2	68.3	70.0	72.4	74.1	74.9	74.1	74.1
157.5°	33.7	39.5	45.3	51.9	57.6	59.3	61.7	63.4	64.2	63.4	63.4
160°	26.3	30.5	34.6	41.2	43.6	47.7	51.0	51.9	52.7	52.7	51.9
162.5°	19.8	23.0	25.5	29.6	32.9	35.4	40.3	42.0	42.0	42.8	41.2
165°	14.0	15.6	18.1	20.6	22.2	23.9	28.8	31.3	31.3	32.1	31.3
167.5°	9.1	9.9	11.5	13.2	14.0	15.6	17.3	20.6	22.2	22.2	21.4
170°	4.9	4.9	5.8	6.6	7.4	7.4	8.2	11.5	12.3	12.3	11.5
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.5	2.5	4.1	4.1	3.3
175°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0
2.5°	1989.4	1987.8	1990.2	1991.1	1989.4	1986.1	1982.8	1980.4	1977.1	1976.3	1976.3
5°	1985.3	1984.5	1986.1	1986.1	1986.1	1984.5	1979.5	1976.3	1971.3	1969.7	1971.3
7.5°	1980.4	1980.4	1982.0	1981.2	1979.5	1977.9	1972.1	1968.0	1963.9	1962.3	1962.3
10°	1973.0	1972.1	1973.0	1971.3	1971.3	1968.0	1963.9	1957.3	1953.2	1951.6	1951.6
12.5°	1965.6	1962.3	1961.4	1963.9	1961.4	1957.3	1949.1	1945.0	1942.5	1935.1	1934.3
15°	1953.2	1949.1	1949.9	1948.3	1950.7	1945.8	1936.7	1932.6	1923.6	1917.8	1917.0
17.5°	1935.9	1935.9	1935.1	1933.5	1931.8	1926.0	1920.3	1914.5	1907.9	1901.4	1892.3
20°	1916.2	1917.0	1915.3	1916.2	1915.3	1905.5	1899.7	1890.7	1885.7	1876.7	1870.1
22.5°	1895.6	1893.9	1891.5	1889.8	1890.7	1884.1	1875.8	1866.8	1859.4	1848.7	1842.1
25°	1870.9	1869.3	1865.1	1864.3	1864.3	1856.1	1848.7	1835.5	1832.2	1820.7	1809.2
27.5°	1837.2	1835.5	1833.9	1831.4	1829.7	1825.6	1818.2	1804.2	1795.2	1785.3	1773.8
30°	1800.1	1803.4	1797.6	1796.0	1791.9	1791.9	1782.0	1770.5	1760.6	1745.8	1735.1
32.5°	1763.1	1764.7	1763.1	1759.8	1754.0	1752.4	1740.9	1731.0	1720.3	1704.6	1691.5
35°	1722.7	1720.3	1721.9	1712.0	1716.2	1706.3	1695.6	1689.8	1676.6	1661.8	1648.7
37.5°	1678.3	1676.6	1671.7	1666.8	1664.3	1661.8	1648.7	1639.6	1633.0	1614.1	1598.5
40°	1625.6	1628.1	1624.8	1624.0	1616.6	1613.3	1598.5	1588.6	1579.5	1562.2	1547.4
42.5°	1576.2	1580.3	1568.0	1569.6	1565.5	1555.7	1547.4	1539.2	1522.7	1513.7	1490.6
45°	1521.9	1517.8	1515.3	1506.3	1506.3	1501.3	1489.0	1484.0	1467.6	1452.8	1433.0
47.5°	1459.4	1464.3	1452.8	1453.6	1451.9	1442.9	1428.9	1424.8	1405.8	1396.0	1372.1
50°	1400.9	1396.0	1392.7	1394.3	1383.6	1382.0	1371.3	1358.1	1343.3	1330.9	1312.8
52.5°	1332.6	1333.4	1333.4	1324.4	1324.4	1311.2	1299.7	1289.8	1278.3	1259.3	1247.0
55°	1268.4	1266.7	1261.8	1260.2	1248.6	1242.9	1232.2	1217.4	1210.0	1192.7	1178.7
57.5°	1200.9	1196.8	1191.0	1182.0	1179.5	1172.1	1160.6	1147.4	1134.2	1119.4	1109.5
60°	1125.2	1123.5	1115.3	1109.5	1106.2	1097.2	1089.8	1079.1	1060.1	1044.5	1028.9
62.5°	1047.0	1046.2	1042.0	1034.6	1033.0	1023.1	1009.9	995.1	982.0	967.1	949.0
65°	966.3	961.4	954.8	954.0	946.6	941.6	935.0	914.5	898.0	884.0	867.5
67.5°	891.4	887.3	874.1	874.1	868.4	860.1	847.8	839.6	815.7	801.7	782.8
70°	805.0	805.8	800.1	795.9	784.4	772.9	767.1	756.4	736.7	716.1	702.1
72.5°	721.9	717.7	709.5	706.2	703.7	695.5	679.1	662.6	647.8	633.8	607.4
75°	639.5	634.6	622.3	626.4	619.8	609.1	600.0	581.1	562.2	544.9	525.1
77.5°	556.4	547.4	543.2	542.4	540.8	526.0	511.1	494.7	477.4	470.0	437.9
80°	481.5	469.2	463.4	465.0	457.6	443.6	434.6	419.0	400.8	381.9	358.0
82.5°	403.3	401.7	391.0	386.9	381.1	372.9	358.9	342.4	323.5	305.4	284.0
85°	340.8	334.2	334.2	321.0	319.4	307.0	293.8	278.2	257.6	236.2	216.5
87.5°	296.3	288.1	282.3	275.7	271.6	261.7	245.3	228.8	209.9	195.1	168.7
90°	274.1	269.2	260.1	255.2	250.2	237.1	222.2	206.6	188.5	167.9	148.2
92.5°	271.6	265.9	257.6	252.7	247.8	234.6	219.8	204.1	185.2	165.4	144.0
95°	270.0	263.4	255.2	250.2	245.3	232.1	218.1	201.7	183.6	163.0	142.4
97.5°	266.7	260.9	252.7	247.8	242.0	229.6	215.7	199.2	181.1	160.5	139.9
100°	262.6	256.0	248.6	243.6	238.7	226.4	211.5	195.1	177.0	158.0	137.5
102.5°	257.6	252.7	243.6	238.7	233.8	221.4	207.4	191.0	173.7	154.7	134.2
105°	252.7	246.9	239.5	234.6	228.8	217.3	203.3	186.8	169.6	150.6	130.9
107.5°	248.6	242.0	233.8	228.8	223.9	212.4	198.4	182.7	165.4	146.5	127.6
110°	242.0	236.2	228.0	223.1	218.1	206.6	192.6	177.8	161.3	142.4	123.5



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	234.6	228.8	220.6	216.5	211.5	200.0	186.8	172.0	156.4	138.3	119.3
115°	228.0	222.2	214.8	210.7	205.8	194.3	181.1	166.3	151.4	133.3	115.2
117.5°	220.6	214.8	207.4	203.3	198.4	186.8	175.3	161.3	145.7	128.4	111.1
120°	212.4	206.6	200.0	195.9	191.0	180.3	168.7	154.7	139.9	123.5	106.2
122.5°	204.1	199.2	191.8	187.7	183.6	173.7	162.2	149.0	134.2	118.5	102.1
125°	195.1	190.1	183.6	179.4	175.3	166.3	154.7	142.4	127.6	112.8	96.3
127.5°	186.0	181.9	175.3	171.2	167.1	158.0	147.3	135.0	121.8	107.0	91.4
130°	177.0	172.0	166.3	163.0	158.0	149.8	139.9	127.6	115.2	101.2	86.4
132.5°	167.1	163.0	157.2	153.9	150.6	141.6	131.7	121.0	107.8	94.7	81.5
135°	157.2	153.1	149.0	144.9	140.7	133.3	123.5	112.8	101.2	88.9	75.7
137.5°	147.3	143.2	139.1	135.8	131.7	124.3	116.1	105.4	93.8	83.1	70.8
140°	137.5	133.3	129.2	125.9	122.6	116.1	107.0	97.9	87.2	75.7	64.2
142.5°	126.8	123.5	118.5	116.1	112.8	106.2	98.8	89.7	79.8	69.1	59.3
145°	116.1	112.8	108.6	106.2	102.9	97.1	90.5	81.5	72.4	63.4	53.5
147.5°	105.4	102.1	97.9	96.3	93.0	88.9	81.5	73.3	65.8	56.0	46.9
150°	93.8	92.2	88.1	85.6	84.0	78.2	72.4	65.0	58.4	50.2	42.0
152.5°	84.0	81.5	77.4	75.7	74.1	69.1	64.2	56.8	51.0	43.6	36.2
155°	72.4	70.8	67.5	65.8	64.2	59.3	55.1	49.4	43.6	37.0	30.5
157.5°	62.6	60.9	57.6	56.0	54.3	51.0	46.1	42.0	36.2	30.5	24.7
160°	51.0	49.4	47.7	46.1	45.3	42.0	37.0	33.7	29.6	24.7	18.9
162.5°	40.3	40.3	37.9	37.0	35.4	32.9	29.6	25.5	22.2	18.9	14.0
165°	30.5	29.6	28.0	27.2	26.3	23.9	21.4	19.8	16.5	13.2	9.1
167.5°	20.6	19.8	18.9	18.9	18.1	16.5	14.0	11.5	9.9	7.4	5.8
170°	11.5	10.7	10.7	9.9	9.9	8.2	7.4	5.8	4.9	3.3	2.5
172.5°	3.3	3.3	3.3	3.3	2.5	1.6	1.6	0.8	0.8	0.8	0.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0
2.5°	1977.1	1978.7	1978.7	1977.9	1985.3	1989.4	1993.5	1997.7	2001.8	2005.1	2009.2
5°	1969.7	1972.1	1971.3	1973.0	1976.3	1985.3	1988.6	1991.1	1995.2	1999.3	2004.2
7.5°	1961.4	1962.3	1961.4	1960.6	1968.0	1973.8	1977.1	1981.2	1986.1	1988.6	1992.7
10°	1949.1	1948.3	1948.3	1948.3	1953.2	1959.0	1963.1	1967.2	1970.5	1973.8	1976.3
12.5°	1931.8	1933.5	1929.3	1931.0	1931.8	1938.4	1943.3	1949.1	1949.9	1954.0	1955.7
15°	1913.7	1912.1	1912.1	1910.4	1910.4	1915.3	1918.6	1921.9	1926.9	1931.8	1935.1
17.5°	1889.8	1886.5	1884.9	1886.5	1884.1	1886.5	1891.5	1893.9	1898.9	1899.7	1908.8
20°	1862.7	1863.5	1857.7	1853.6	1852.8	1856.9	1857.7	1864.3	1867.6	1868.4	1875.0
22.5°	1833.0	1828.1	1824.8	1823.2	1822.3	1822.3	1822.3	1824.8	1829.7	1832.2	1838.8
25°	1800.9	1792.7	1790.2	1787.8	1782.0	1781.2	1783.7	1786.1	1789.4	1795.2	1800.1
27.5°	1763.1	1755.7	1753.2	1747.4	1740.0	1742.5	1742.5	1747.4	1746.6	1751.6	1758.1
30°	1720.3	1713.7	1707.9	1707.1	1693.9	1698.0	1693.1	1701.3	1699.7	1707.9	1715.3
32.5°	1681.6	1670.1	1661.0	1658.5	1647.8	1646.2	1645.4	1648.7	1648.7	1656.1	1669.2
35°	1634.7	1621.5	1610.8	1610.0	1594.3	1595.2	1589.4	1595.2	1596.8	1604.2	1617.4
37.5°	1581.2	1567.2	1561.4	1558.9	1541.7	1540.0	1535.9	1536.7	1540.8	1549.9	1559.8
40°	1527.7	1515.3	1507.9	1506.3	1490.6	1480.8	1474.2	1479.1	1478.3	1492.3	1503.8
42.5°	1474.2	1457.7	1448.7	1443.7	1433.0	1421.5	1414.9	1416.6	1420.7	1428.9	1446.2
45°	1419.8	1400.9	1390.2	1386.9	1366.3	1357.3	1350.7	1351.5	1354.8	1370.5	1379.5
47.5°	1355.6	1337.5	1327.7	1320.2	1302.1	1292.3	1282.4	1284.9	1288.1	1300.5	1317.8
50°	1290.6	1270.9	1261.0	1254.4	1240.4	1219.0	1210.8	1210.0	1214.9	1233.0	1252.8
52.5°	1227.2	1204.2	1195.1	1186.1	1164.7	1149.0	1142.5	1145.8	1148.2	1154.0	1177.0
55°	1158.1	1135.1	1122.7	1118.6	1091.4	1081.5	1069.2	1062.6	1068.4	1084.0	1107.1
57.5°	1087.3	1060.1	1048.6	1042.9	1015.7	1008.3	990.2	983.6	989.4	1005.0	1027.2
60°	1005.8	986.9	970.4	963.8	942.4	920.2	907.9	907.9	916.1	922.7	945.7
62.5°	929.3	902.9	898.8	879.1	857.7	841.2	826.4	820.6	831.3	847.0	865.9
65°	845.3	818.2	813.2	798.4	776.2	756.4	749.0	740.8	745.7	756.4	776.2
67.5°	765.5	737.5	725.1	712.0	697.2	671.6	652.7	651.1	655.2	679.1	691.4
70°	679.1	652.7	643.7	638.7	608.3	583.6	569.6	563.0	571.2	595.1	610.7
72.5°	588.5	572.1	553.9	544.9	520.2	493.9	478.2	475.8	484.0	498.8	520.2
75°	503.7	478.2	470.0	459.3	432.9	406.6	389.3	385.2	395.1	409.9	432.1
77.5°	419.8	392.6	384.4	371.2	347.3	323.5	302.1	293.8	308.7	324.3	350.6
80°	338.3	316.9	304.5	292.2	268.3	244.5	219.8	211.5	224.7	242.8	260.9
82.5°	259.3	236.2	219.8	209.9	187.7	165.4	146.5	141.6	150.6	168.7	187.7
85°	192.6	169.6	156.4	144.9	125.1	95.5	78.2	70.8	79.0	97.9	121.8
87.5°	148.2	122.6	109.5	99.6	71.6	51.0	29.6	23.9	32.9	49.4	75.7
90°	124.3	100.4	88.1	75.7	50.2	27.2	9.9	2.5	11.5	30.5	55.1
92.5°	121.0	97.1	84.8	72.4	47.7	24.7	7.4	0.8	9.1	27.2	51.0
95°	119.3	95.5	83.1	70.8	46.1	23.9	6.6	0.8	8.2	26.3	50.2
97.5°	117.7	93.0	81.5	69.1	45.3	23.9	6.6	0.8	8.2	25.5	48.6
100°	115.2	90.5	79.0	67.5	44.4	23.0	6.6	0.8	8.2	25.5	47.7
102.5°	111.9	88.9	77.4	65.8	42.8	22.2	5.8	0.8	7.4	24.7	46.9
105°	108.6	86.4	75.7	64.2	41.2	21.4	5.8	0.8	7.4	23.9	45.3
107.5°	106.2	84.0	73.3	61.7	39.5	20.6	4.9	0.8	6.6	23.0	43.6
110°	102.9	81.5	70.8	60.1	38.7	19.8	4.9	0.8	6.6	22.2	42.0



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	99.6	78.2	68.3	57.6	37.0	18.1	4.1	0.8	5.8	21.4	40.3
115°	95.5	75.7	65.8	55.1	35.4	17.3	4.1	0.8	5.8	20.6	39.5
117.5°	92.2	72.4	62.6	52.7	32.9	16.5	3.3	0.8	4.9	18.9	37.0
120°	88.1	68.3	59.3	49.4	31.3	15.6	2.5	0.8	4.9	18.1	35.4
122.5°	84.0	65.0	56.0	46.9	29.6	14.0	2.5	0.8	4.1	17.3	33.7
125°	79.8	61.7	52.7	44.4	28.0	13.2	1.6	0.8	4.1	15.6	32.1
127.5°	75.7	58.4	50.2	42.0	26.3	11.5	1.6	0.8	3.3	14.8	30.5
130°	70.8	54.3	46.9	38.7	23.9	10.7	1.6	0.8	2.5	13.2	27.2
132.5°	66.7	50.2	43.6	36.2	22.2	9.1	1.6	0.8	2.5	11.5	24.7
135°	61.7	46.9	40.3	33.7	19.8	8.2	0.8	0.8	1.6	9.9	21.4
137.5°	56.8	43.6	37.0	30.5	18.1	6.6	1.6	1.6	1.6	8.2	18.9
140°	51.9	39.5	32.9	27.2	15.6	5.8	1.6	1.6	1.6	7.4	16.5
142.5°	46.9	35.4	29.6	24.7	14.0	4.1	1.6	1.6	1.6	5.8	14.0
145°	42.8	32.1	26.3	21.4	11.5	3.3	1.6	1.6	1.6	4.9	11.5
147.5°	37.9	28.0	23.0	18.9	9.9	2.5	1.6	1.6	1.6	4.1	9.9
150°	32.9	23.9	19.8	15.6	7.4	1.6	1.6	1.6	1.6	3.3	9.1
152.5°	28.0	19.8	16.5	13.2	5.8	1.6	1.6	1.6	1.6	3.3	7.4
155°	23.0	16.5	13.2	9.9	4.1	1.6	1.6	1.6	1.6	2.5	5.8
157.5°	18.9	13.2	10.7	7.4	2.5	1.6	1.6	1.6	1.6	2.5	4.9
160°	14.8	9.1	7.4	4.9	1.6	1.6	1.6	1.6	1.6	2.5	3.3
162.5°	10.7	6.6	4.1	3.3	1.6	1.6	1.6	2.5	1.6	1.6	3.3
165°	6.6	3.3	2.5	1.6	1.6	1.6	1.6	2.5	2.5	1.6	2.5
167.5°	3.3	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5
170°	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	2.5
172.5°	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	2.5
175°	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	2.5
177.5°	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0
2.5°	2009.2	2010.0	2010.0	2010.0	2005.9	1999.3	1996.8	1991.1	1992.7	1996.0	1996.0
5°	2005.1	2005.9	2004.2	2003.4	1999.3	1991.9	1990.2	1987.8	1986.1	1991.9	1991.9
7.5°	1994.4	1993.5	1994.4	1995.2	1991.9	1986.1	1982.8	1979.5	1982.0	1986.1	1987.0
10°	1979.5	1981.2	1981.2	1980.4	1978.7	1974.6	1973.8	1971.3	1973.8	1977.1	1980.4
12.5°	1960.6	1963.1	1963.1	1964.7	1963.1	1959.0	1961.4	1958.1	1963.1	1970.5	1971.3
15°	1939.2	1940.0	1940.0	1945.0	1945.0	1944.2	1945.8	1945.0	1950.7	1954.0	1955.7
17.5°	1913.7	1913.7	1917.8	1923.6	1924.4	1917.8	1922.8	1923.6	1926.9	1934.3	1939.2
20°	1881.6	1887.4	1885.7	1892.3	1892.3	1893.1	1896.4	1899.7	1904.6	1908.8	1918.6
22.5°	1846.2	1852.8	1852.8	1856.9	1862.7	1866.0	1866.8	1870.9	1877.5	1889.8	1889.0
25°	1812.5	1812.5	1818.2	1822.3	1824.0	1833.0	1829.7	1842.9	1847.9	1857.7	1859.4
27.5°	1771.3	1772.1	1779.5	1786.9	1788.6	1791.1	1800.1	1804.2	1814.9	1819.9	1828.9
30°	1726.0	1733.4	1735.9	1746.6	1749.9	1755.7	1760.6	1767.2	1779.5	1783.7	1790.2
32.5°	1678.3	1688.2	1690.6	1699.7	1703.0	1712.0	1716.2	1721.9	1735.1	1744.1	1752.4
35°	1625.6	1633.8	1640.4	1653.6	1658.5	1664.3	1670.1	1681.6	1695.6	1699.7	1707.1
37.5°	1573.8	1582.8	1589.4	1600.9	1607.5	1618.2	1625.6	1633.0	1644.5	1654.4	1660.2
40°	1520.3	1529.3	1531.8	1547.4	1554.0	1566.4	1573.8	1586.1	1595.2	1605.0	1618.2
42.5°	1460.2	1469.2	1473.3	1489.0	1500.5	1506.3	1520.3	1530.1	1544.1	1549.9	1558.1
45°	1400.1	1406.7	1413.3	1428.1	1440.4	1447.8	1464.3	1472.5	1482.4	1493.9	1500.5
47.5°	1332.6	1340.8	1347.4	1364.7	1377.0	1391.0	1401.7	1413.3	1426.4	1433.8	1447.8
50°	1266.7	1275.0	1280.7	1298.8	1311.2	1321.9	1340.0	1355.6	1363.0	1373.7	1382.0
52.5°	1195.1	1206.7	1214.1	1233.8	1247.0	1259.3	1270.0	1286.5	1292.3	1311.2	1319.4
55°	1118.6	1130.9	1142.5	1158.1	1169.6	1193.5	1197.6	1215.7	1230.5	1240.4	1244.5
57.5°	1043.7	1053.6	1067.6	1084.0	1103.0	1116.1	1127.6	1140.8	1149.9	1160.6	1174.6
60°	966.3	982.0	982.8	1002.5	1018.2	1038.7	1056.0	1064.3	1080.7	1087.3	1097.2
62.5°	886.5	892.2	909.5	928.5	939.2	959.7	971.3	989.4	1000.1	1015.7	1026.4
65°	798.4	813.2	828.0	837.9	860.1	874.1	888.9	907.1	916.1	936.7	941.6
67.5°	716.9	730.9	735.8	756.4	774.5	796.8	812.4	827.2	837.1	850.3	867.5
70°	636.3	645.3	651.9	674.1	693.9	710.3	727.6	747.4	758.9	768.8	777.0
72.5°	544.1	550.7	568.8	585.2	605.8	625.6	642.8	660.1	673.3	684.0	693.9
75°	453.5	463.4	484.0	505.4	522.7	547.4	557.2	574.5	585.2	604.2	610.7
77.5°	374.5	386.9	395.9	422.2	437.9	463.4	481.5	495.5	502.9	518.6	532.5
80°	290.6	304.5	312.8	338.3	358.9	375.3	391.8	409.1	429.7	444.5	448.6
82.5°	217.3	223.9	234.6	262.6	284.0	310.3	326.8	339.1	356.4	367.9	377.8
85°	150.6	157.2	174.5	195.1	217.3	241.2	259.3	279.0	291.4	306.2	317.7
87.5°	99.6	111.9	126.8	150.6	170.4	193.4	213.2	229.6	246.1	260.1	270.8
90°	79.8	92.2	105.4	129.2	152.3	173.7	193.4	211.5	227.2	242.0	252.7
92.5°	76.5	88.9	101.2	125.9	148.2	170.4	190.1	209.1	223.9	237.9	250.2
95°	74.9	87.2	99.6	123.5	146.5	167.9	187.7	206.6	222.2	236.2	247.8
97.5°	73.3	85.6	97.9	121.8	144.0	166.3	185.2	203.3	219.8	233.8	245.3
100°	71.6	83.1	95.5	118.5	141.6	163.0	182.7	200.8	216.5	230.5	242.0
102.5°	70.0	81.5	93.8	116.1	138.3	158.9	178.6	195.9	212.4	225.5	237.1
105°	67.5	79.0	91.4	113.6	135.0	154.7	174.5	191.8	208.2	220.6	232.1
107.5°	65.8	77.4	88.1	111.1	131.7	151.4	169.6	186.8	202.5	216.5	227.2
110°	63.4	74.9	85.6	107.0	128.4	147.3	165.4	182.7	197.5	211.5	222.2



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	61.7	72.4	83.1	103.7	123.5	143.2	160.5	177.0	192.6	205.0	215.7
115°	59.3	70.0	79.8	100.4	120.2	139.1	155.6	172.0	186.0	199.2	209.9
117.5°	56.8	66.7	77.4	96.3	116.1	133.3	150.6	165.4	179.4	191.8	202.5
120°	54.3	64.2	74.1	93.0	111.1	129.2	144.9	159.7	172.9	185.2	195.1
122.5°	51.9	60.9	70.8	88.9	106.2	123.5	139.1	153.1	166.3	177.0	187.7
125°	49.4	58.4	67.5	84.8	101.2	117.7	132.5	146.5	158.9	169.6	179.4
127.5°	46.9	55.1	63.4	80.7	97.1	111.9	126.8	139.9	151.4	162.2	171.2
130°	43.6	51.9	59.3	75.7	91.4	106.2	120.2	132.5	144.9	153.9	163.0
132.5°	38.7	46.9	55.1	70.8	86.4	100.4	113.6	125.9	136.6	145.7	154.7
135°	34.6	42.0	49.4	63.4	79.0	93.8	106.2	117.7	128.4	136.6	145.7
137.5°	30.5	37.0	43.6	56.8	70.8	84.8	99.6	110.3	120.2	128.4	135.8
140°	27.2	32.1	38.7	50.2	63.4	75.7	89.7	102.9	111.9	120.2	127.6
142.5°	23.0	28.8	34.6	44.4	55.1	66.7	79.8	92.2	103.7	110.3	117.7
145°	19.8	24.7	29.6	38.7	47.7	58.4	68.3	82.3	93.8	102.1	107.8
147.5°	17.3	20.6	25.5	33.7	41.2	50.2	60.1	70.8	81.5	92.2	97.9
150°	14.8	18.1	21.4	28.0	35.4	42.8	50.2	60.1	68.3	79.8	88.1
152.5°	12.3	15.6	18.1	23.9	29.6	36.2	42.8	51.0	58.4	66.7	77.4
155°	10.7	13.2	15.6	19.8	24.7	29.6	35.4	42.0	48.6	56.0	64.2
157.5°	8.2	10.7	13.2	16.5	20.6	23.9	28.8	32.9	39.5	43.6	51.0
160°	6.6	8.2	9.9	13.2	16.5	19.8	22.2	26.3	30.5	33.7	39.5
162.5°	4.9	6.6	8.2	10.7	13.2	15.6	17.3	19.8	22.2	25.5	29.6
165°	3.3	4.9	5.8	7.4	9.9	11.5	13.2	14.0	15.6	18.1	20.6
167.5°	2.5	3.3	4.1	4.9	6.6	8.2	9.1	9.9	10.7	11.5	13.2
170°	2.5	2.5	2.5	3.3	4.1	4.9	5.8	5.8	6.6	6.6	7.4
172.5°	1.6	1.6	1.6	1.6	1.6	2.5	2.5	2.5	2.5	2.5	2.5
175°	2.5	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.0	0.0
177.5°	2.5	1.6	1.6	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0
2.5°	1996.8	1998.5	1998.5	1998.5	1998.5	1997.7	1998.5	1998.5	1997.7	1997.7	1997.7
5°	1993.5	1993.5	1996.0	1995.2	1996.0	1995.2	1995.2	1993.5	1995.2	1994.4	1993.5
7.5°	1988.6	1989.4	1990.2	1991.9	1991.1	1990.2	1991.1	1989.4	1988.6	1988.6	1988.6
10°	1981.2	1983.7	1985.3	1987.0	1985.3	1986.1	1985.3	1984.5	1982.0	1982.8	1982.8
12.5°	1970.5	1972.1	1974.6	1974.6	1975.4	1973.8	1977.1	1974.6	1973.0	1974.6	1970.5
15°	1959.0	1957.3	1960.6	1963.9	1963.1	1962.3	1963.9	1961.4	1960.6	1958.1	1959.8
17.5°	1944.2	1943.3	1948.3	1947.4	1947.4	1946.6	1945.8	1945.0	1942.5	1941.7	1940.9
20°	1919.5	1923.6	1924.4	1926.9	1926.9	1926.9	1926.9	1922.8	1921.1	1920.3	1919.5
22.5°	1894.8	1896.4	1898.9	1901.4	1902.2	1903.0	1902.2	1903.0	1899.7	1898.1	1897.2
25°	1862.7	1870.1	1875.8	1879.1	1875.8	1877.5	1876.7	1874.2	1875.0	1868.4	1869.3
27.5°	1828.9	1833.9	1839.6	1843.7	1842.9	1844.6	1844.6	1843.7	1840.4	1839.6	1837.2
30°	1794.4	1798.5	1799.3	1805.1	1807.5	1810.0	1807.5	1806.7	1805.1	1799.3	1800.1
32.5°	1757.3	1756.5	1765.5	1764.7	1768.0	1772.1	1769.7	1768.8	1764.7	1762.3	1761.4
35°	1708.7	1713.7	1719.5	1722.7	1722.7	1724.4	1726.9	1723.6	1723.6	1718.6	1718.6
37.5°	1668.4	1668.4	1671.7	1676.6	1679.1	1682.4	1679.9	1681.6	1673.4	1675.0	1670.1
40°	1615.7	1619.0	1624.0	1626.4	1628.9	1636.3	1631.4	1626.4	1624.0	1625.6	1617.4
42.5°	1563.9	1563.1	1569.6	1573.8	1575.4	1579.5	1577.9	1577.1	1574.6	1568.8	1563.9
45°	1503.8	1510.4	1513.7	1516.1	1521.1	1524.4	1520.3	1521.9	1515.3	1509.6	1507.9
47.5°	1449.5	1451.1	1452.8	1460.2	1457.7	1461.8	1463.5	1465.1	1460.2	1453.6	1451.9
50°	1387.7	1385.3	1393.5	1398.4	1396.8	1400.1	1401.7	1400.9	1396.8	1386.9	1386.1
52.5°	1318.6	1319.4	1326.8	1333.4	1330.1	1333.4	1336.7	1335.9	1326.8	1326.0	1321.9
55°	1250.3	1252.8	1260.2	1261.0	1263.5	1269.2	1265.9	1262.6	1264.3	1256.9	1251.9
57.5°	1178.7	1178.7	1186.9	1191.8	1191.8	1197.6	1196.8	1192.7	1191.0	1189.4	1182.0
60°	1104.6	1107.1	1112.8	1116.1	1123.5	1124.4	1118.6	1121.9	1120.2	1109.5	1103.8
62.5°	1026.4	1025.6	1037.9	1041.2	1042.9	1043.7	1041.2	1045.3	1037.1	1032.2	1033.0
65°	942.4	945.7	954.8	968.0	964.7	965.5	961.4	962.2	957.3	951.5	948.2
67.5°	870.8	873.3	875.0	884.0	893.1	886.5	882.4	880.7	875.8	875.8	869.2
70°	780.3	784.4	801.7	800.1	802.5	800.1	805.0	805.8	792.6	785.2	791.0
72.5°	705.4	701.3	718.6	713.6	717.7	720.2	721.0	713.6	712.0	704.6	701.3
75°	615.7	625.6	631.3	632.1	633.0	643.7	641.2	637.1	628.0	616.5	619.8
77.5°	538.3	542.4	545.7	549.0	551.5	556.4	557.2	554.8	546.5	544.1	539.1
80°	456.8	462.6	470.8	471.6	473.3	477.4	479.0	474.9	468.3	456.0	451.1
82.5°	382.7	387.7	400.8	403.3	406.6	401.7	407.4	401.7	391.8	387.7	383.6
85°	320.2	327.6	332.5	336.6	339.9	344.9	339.9	339.1	332.5	325.9	318.5
87.5°	278.2	282.3	291.4	293.8	295.5	300.4	298.8	295.5	288.1	279.0	276.6
90°	258.5	263.4	271.6	276.6	279.9	279.9	279.0	275.7	270.0	262.6	256.8
92.5°	256.8	262.6	270.0	274.1	277.4	278.2	277.4	273.3	267.5	259.3	254.3
95°	253.5	258.5	266.7	271.6	274.1	275.7	274.1	271.6	265.9	256.8	252.7
97.5°	251.0	256.0	263.4	269.2	271.6	273.3	271.6	268.3	262.6	254.3	249.4
100°	246.1	251.9	259.3	265.0	267.5	269.2	268.3	264.2	258.5	251.0	246.1
102.5°	242.0	246.9	254.3	260.1	262.6	263.4	262.6	259.3	253.5	246.1	241.2
105°	237.9	242.0	249.4	254.3	257.6	258.5	257.6	255.2	249.4	241.2	236.2
107.5°	232.1	237.1	244.5	249.4	251.9	253.5	251.9	249.4	243.6	235.4	231.3
110°	227.2	230.5	237.9	242.8	246.1	246.9	246.1	242.8	237.1	229.6	224.7





TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	220.6	224.7	232.1	236.2	238.7	240.3	239.5	235.4	230.5	222.2	218.1
115°	214.0	218.1	225.5	229.6	232.1	233.8	232.9	229.6	223.1	215.7	211.5
117.5°	206.6	211.5	218.1	221.4	224.7	225.5	224.7	221.4	216.5	209.9	204.1
120°	200.0	203.3	209.9	214.0	216.5	217.3	216.5	213.2	208.2	200.8	197.5
122.5°	191.8	195.9	202.5	207.4	209.1	209.9	209.1	206.6	200.8	193.4	189.3
125°	183.6	186.8	193.4	197.5	200.0	201.7	200.0	196.7	191.0	185.2	181.1
127.5°	174.5	178.6	185.2	188.5	191.0	192.6	191.0	186.8	182.7	177.0	172.9
130°	166.3	170.4	175.3	179.4	181.9	182.7	181.1	178.6	174.5	167.9	164.6
132.5°	158.0	161.3	166.3	170.4	172.0	172.9	171.2	168.7	164.6	158.9	154.7
135°	149.0	151.4	156.4	159.7	162.2	163.0	161.3	158.0	154.7	149.8	146.5
137.5°	139.1	142.4	146.5	150.6	152.3	153.1	151.4	149.0	144.9	139.9	136.6
140°	130.0	131.7	137.5	139.1	141.6	142.4	139.9	137.5	134.2	129.2	126.8
142.5°	120.2	122.6	126.8	129.2	131.7	131.7	130.0	127.6	124.3	119.3	117.7
145°	110.3	111.9	116.1	118.5	120.2	120.2	119.3	116.9	114.4	109.5	107.8
147.5°	100.4	102.1	105.4	107.8	109.5	110.3	108.6	107.0	103.7	99.6	97.1
150°	90.5	91.4	94.7	96.3	97.9	97.9	97.1	95.5	92.2	89.7	87.2
152.5°	79.8	80.7	84.0	85.6	86.4	88.1	86.4	84.0	82.3	79.0	77.4
155°	70.0	71.6	73.3	74.9	75.7	75.7	74.9	74.1	71.6	69.1	66.7
157.5°	56.0	60.9	63.4	64.2	64.2	65.0	64.2	62.6	61.7	59.3	57.6
160°	43.6	46.9	51.9	54.3	54.3	53.5	53.5	51.9	51.0	48.6	48.6
162.5°	32.1	34.6	41.2	42.0	43.6	42.8	42.8	42.8	41.2	40.3	37.9
165°	22.2	23.9	28.8	32.9	32.9	32.1	32.1	31.3	31.3	29.6	28.0
167.5°	14.0	14.8	17.3	23.0	23.0	22.2	22.2	22.2	21.4	19.8	19.8
170°	7.4	8.2	9.1	10.7	13.2	13.2	12.3	13.2	12.3	11.5	10.7
172.5°	2.5	2.5	1.6	2.5	4.9	4.9	4.9	4.9	4.9	4.1	4.1
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0
2.5°	1997.7	1996.0	1993.5	1989.4	1985.3	1985.3	1985.3	1987.8	1989.4	1988.6	1989.4
5°	1993.5	1989.4	1987.8	1982.8	1980.4	1980.4	1978.7	1981.2	1985.3	1983.7	1984.5
7.5°	1988.6	1986.1	1982.0	1976.3	1971.3	1970.5	1970.5	1971.3	1973.0	1972.1	1971.3
10°	1980.4	1977.1	1974.6	1967.2	1961.4	1959.0	1958.1	1960.6	1959.0	1959.0	1958.1
12.5°	1971.3	1967.2	1962.3	1954.0	1949.1	1944.2	1944.2	1942.5	1943.3	1943.3	1941.7
15°	1954.9	1954.9	1947.4	1940.9	1932.6	1927.7	1924.4	1924.4	1923.6	1922.8	1919.5
17.5°	1939.2	1935.1	1927.7	1919.5	1914.5	1908.8	1904.6	1899.7	1898.9	1898.1	1893.1
20°	1919.5	1912.1	1907.9	1898.9	1891.5	1884.9	1877.5	1872.5	1871.7	1866.8	1863.5
22.5°	1894.8	1889.0	1882.4	1874.2	1862.7	1855.3	1850.3	1843.7	1838.0	1836.3	1833.0
25°	1867.6	1863.5	1858.6	1843.7	1833.9	1826.5	1817.4	1810.0	1802.6	1800.1	1796.0
27.5°	1835.5	1828.1	1823.2	1814.9	1801.8	1787.8	1780.4	1770.5	1765.5	1760.6	1759.0
30°	1796.0	1793.5	1783.7	1775.4	1763.1	1751.6	1744.1	1726.9	1724.4	1717.8	1710.4
32.5°	1759.0	1756.5	1744.1	1735.1	1721.9	1711.2	1699.7	1686.5	1675.0	1673.4	1665.1
35°	1712.9	1712.0	1700.5	1690.6	1678.3	1668.4	1652.8	1641.3	1626.4	1621.5	1616.6
37.5°	1665.1	1665.1	1652.8	1642.1	1631.4	1617.4	1604.2	1585.3	1579.5	1569.6	1564.7
40°	1614.1	1608.3	1601.7	1593.5	1577.1	1564.7	1549.9	1535.9	1522.7	1514.5	1509.6
42.5°	1559.8	1558.1	1552.4	1541.7	1524.4	1508.7	1497.2	1481.6	1463.5	1461.0	1451.1
45°	1505.4	1503.8	1491.5	1482.4	1467.6	1452.8	1438.0	1419.0	1405.0	1399.3	1389.4
47.5°	1442.9	1441.2	1434.7	1419.0	1406.7	1389.4	1376.2	1355.6	1338.4	1330.9	1321.9
50°	1383.6	1375.4	1367.2	1356.5	1340.0	1328.5	1312.8	1294.7	1279.1	1265.1	1261.0
52.5°	1319.4	1309.5	1298.8	1293.1	1271.7	1261.8	1243.7	1220.7	1207.5	1200.1	1187.7
55°	1247.8	1239.6	1236.3	1214.9	1205.0	1186.9	1175.4	1156.5	1140.0	1121.1	1117.8
57.5°	1177.0	1166.3	1157.3	1142.5	1135.9	1117.8	1102.1	1076.6	1061.8	1047.8	1037.1
60°	1102.1	1094.7	1080.7	1068.4	1055.2	1043.7	1024.8	997.6	979.5	969.6	968.8
62.5°	1022.3	1014.9	1010.8	986.9	979.5	956.4	940.0	922.7	895.5	887.3	877.4
65°	942.4	937.5	921.9	909.5	891.4	879.1	862.6	840.4	820.6	805.0	792.6
67.5°	868.4	858.5	844.5	826.4	814.0	797.6	776.2	749.0	727.6	722.7	709.5
70°	781.1	767.1	760.5	739.1	724.3	712.0	688.1	669.2	644.5	628.8	617.3
72.5°	699.6	686.5	675.8	657.7	640.4	620.6	602.5	579.5	555.6	540.8	531.7
75°	615.7	603.3	594.3	575.3	560.5	538.3	512.0	491.4	474.9	455.2	442.0
77.5°	530.9	517.7	512.8	486.5	468.3	456.8	432.9	409.9	381.9	373.7	358.0
80°	446.9	436.2	428.8	404.1	389.3	367.1	349.8	326.8	302.9	287.3	277.4
82.5°	381.1	367.9	348.2	334.2	314.4	297.1	271.6	253.5	225.5	214.0	202.5
85°	315.2	300.4	289.7	268.3	256.0	237.9	214.0	187.7	164.6	151.4	139.1
87.5°	270.0	256.0	245.3	226.4	209.1	186.0	167.1	144.0	116.9	105.4	94.7
90°	251.9	238.7	224.7	208.2	190.1	169.6	148.2	125.1	100.4	88.1	75.7
92.5°	249.4	237.1	223.1	205.8	187.7	167.1	145.7	122.6	98.8	85.6	73.3
95°	246.9	234.6	220.6	203.3	185.2	165.4	144.0	121.0	97.1	84.0	71.6
97.5°	244.5	232.1	218.1	200.8	182.7	163.0	141.6	119.3	94.7	82.3	70.0
100°	240.3	228.0	214.0	197.5	179.4	159.7	139.1	116.9	93.0	80.7	69.1
102.5°	236.2	223.9	209.9	193.4	175.3	156.4	135.8	113.6	90.5	78.2	66.7
105°	230.5	218.1	205.0	189.3	172.0	153.1	131.7	111.1	88.1	76.5	65.0
107.5°	225.5	214.0	200.0	184.4	167.1	149.0	128.4	107.8	85.6	74.1	62.6
110°	219.8	208.2	195.1	179.4	163.0	144.9	125.1	104.5	83.1	71.6	60.9



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	213.2	201.7	189.3	174.5	158.0	139.9	121.0	101.2	79.8	69.1	58.4
115°	206.6	196.7	183.6	168.7	152.3	135.0	116.9	97.1	76.5	65.8	56.0
117.5°	200.0	189.3	177.0	163.0	147.3	130.0	111.9	93.0	73.3	63.4	53.5
120°	191.8	181.9	170.4	157.2	141.6	125.1	107.8	88.9	70.0	60.1	51.0
122.5°	185.2	175.3	163.8	150.6	135.8	119.3	102.9	85.6	66.7	56.8	47.7
125°	177.0	167.1	156.4	143.2	129.2	113.6	97.9	81.5	62.6	53.5	45.3
127.5°	169.6	160.5	149.0	136.6	122.6	108.6	93.0	77.4	59.3	51.0	42.8
130°	160.5	151.4	140.7	129.2	116.9	102.1	88.1	72.4	56.0	47.7	39.5
132.5°	152.3	143.2	133.3	122.6	110.3	96.3	82.3	67.5	51.9	44.4	37.0
135°	143.2	134.2	125.1	114.4	102.9	90.5	77.4	62.6	48.6	41.2	33.7
137.5°	133.3	125.9	116.9	107.0	96.3	84.0	71.6	58.4	44.4	37.9	31.3
140°	124.3	116.9	108.6	99.6	88.1	77.4	65.8	53.5	41.2	33.7	28.8
142.5°	114.4	107.8	99.6	91.4	80.7	71.6	60.1	48.6	37.0	30.5	25.5
145°	105.4	97.9	91.4	83.1	73.3	65.0	54.3	43.6	32.9	28.0	22.2
147.5°	95.5	89.7	82.3	74.9	66.7	57.6	48.6	38.7	28.8	23.9	19.8
150°	84.8	79.8	74.1	66.7	59.3	51.9	42.8	33.7	24.7	20.6	16.5
152.5°	75.7	70.0	65.8	58.4	51.9	44.4	37.0	28.8	21.4	17.3	14.0
155°	65.0	60.9	56.0	51.0	44.4	38.7	31.3	24.7	17.3	14.0	10.7
157.5°	56.0	52.7	47.7	42.8	37.0	31.3	26.3	19.8	14.0	10.7	8.2
160°	46.1	42.8	38.7	35.4	30.5	25.5	20.6	15.6	10.7	8.2	5.8
162.5°	37.0	34.6	30.5	27.2	23.9	19.8	15.6	11.5	7.4	4.9	3.3
165°	27.2	25.5	23.0	19.8	17.3	14.0	10.7	7.4	4.1	3.3	2.5
167.5°	18.9	17.3	14.8	13.2	11.5	8.2	6.6	4.1	2.5	2.5	1.6
170°	10.7	9.1	8.2	6.6	5.8	4.1	2.5	2.5	1.6	1.6	1.6
172.5°	3.3	2.5	2.5	1.6	1.6	0.8	0.8	1.6	1.6	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	1.6	1.6	1.6
177.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	1.6	1.6	1.6
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1996.0	1996.0	1996.0	1996.0
2.5°	1991.1	1996.0	1999.3	2000.1
5°	1984.5	1990.2	1991.1	1994.4
7.5°	1973.0	1979.5	1981.2	1982.8
10°	1958.1	1963.1	1968.0	1969.7
12.5°	1939.2	1945.8	1946.6	1947.4
15°	1918.6	1920.3	1924.4	1923.6
17.5°	1889.0	1892.3	1897.2	1895.6
20°	1860.2	1862.7	1866.8	1863.5
22.5°	1828.1	1824.8	1828.1	1831.4
25°	1787.8	1787.8	1790.2	1787.8
27.5°	1747.4	1744.1	1742.5	1745.8
30°	1703.8	1697.2	1694.8	1698.0
32.5°	1653.6	1646.2	1646.2	1646.2
35°	1608.3	1600.9	1592.7	1591.0
37.5°	1553.2	1541.7	1535.1	1536.7
40°	1497.2	1482.4	1481.6	1475.0
42.5°	1434.7	1423.1	1418.2	1416.6
45°	1373.7	1355.6	1349.9	1347.4
47.5°	1304.6	1291.4	1280.7	1279.9
50°	1237.9	1224.8	1214.9	1214.9
52.5°	1165.5	1150.7	1140.0	1135.1
55°	1095.5	1073.3	1060.1	1064.3
57.5°	1016.5	995.1	980.3	977.8
60°	940.8	919.4	903.8	904.6
62.5°	852.7	841.2	820.6	817.3
65°	777.0	756.4	733.4	727.6
67.5°	683.2	670.0	649.4	644.5
70°	597.6	580.3	563.0	549.8
72.5°	509.5	487.3	476.6	468.3
75°	424.7	394.3	386.0	385.2
77.5°	336.6	311.1	299.6	287.3
80°	250.2	232.9	214.0	204.1
82.5°	177.0	153.1	132.5	128.4
85°	111.1	88.1	69.1	60.1
87.5°	66.7	43.6	27.2	18.1
90°	50.2	26.3	8.2	0.8
92.5°	48.6	25.5	7.4	0.8
95°	46.9	24.7	6.6	0.8
97.5°	46.1	23.9	6.6	0.8
100°	45.3	23.0	6.6	0.8
102.5°	43.6	22.2	5.8	0.8
105°	42.8	21.4	5.8	0.8
107.5°	41.2	20.6	5.8	0.8
110°	39.5	19.8	4.9	0.8



TEST NUMBER: P241627

CATALOG NUMBER: FVS8M-4-LD4-40-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
112.5°	37.9	18.9	4.9	0.8
115°	36.2	18.1	4.1	0.8
117.5°	33.7	16.5	3.3	0.8
120°	32.1	15.6	3.3	0.8
122.5°	30.5	14.8	2.5	0.8
125°	28.8	13.2	2.5	0.8
127.5°	27.2	12.3	1.6	0.8
130°	24.7	10.7	1.6	0.8
132.5°	23.0	9.9	1.6	0.8
135°	20.6	9.1	1.6	1.6
137.5°	18.9	7.4	1.6	1.6
140°	16.5	6.6	1.6	1.6
142.5°	14.8	4.9	1.6	1.6
145°	12.3	4.1	1.6	1.6
147.5°	10.7	3.3	1.6	1.6
150°	8.2	2.5	1.6	1.6
152.5°	6.6	2.5	1.6	1.6
155°	4.9	1.6	1.6	1.6
157.5°	3.3	1.6	1.6	1.6
160°	2.5	1.6	1.6	1.6
162.5°	2.5	1.6	2.5	2.5
165°	1.6	1.6	2.5	2.5
167.5°	1.6	2.5	2.5	2.5
170°	1.6	2.5	2.5	2.5
172.5°	1.6	2.5	2.5	2.5
175°	2.5	2.5	2.5	2.5
177.5°	2.5	2.5	2.5	2.5
180°	0.8	0.8	0.8	0.8

(END OF REPORT)