

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: P241625

Luminaire Tested: **FVS8M-4-LD4-30-3STD-O-UNV-EDC1**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P241625  
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-LD4-30-3STD-O-UNV-EDC1  
Description: FAILSAFE FVS8M LED FIXTURE  
4FT LENGTH, 3-MODULE LED WITH OPAL LENS  
Light Source: (252) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

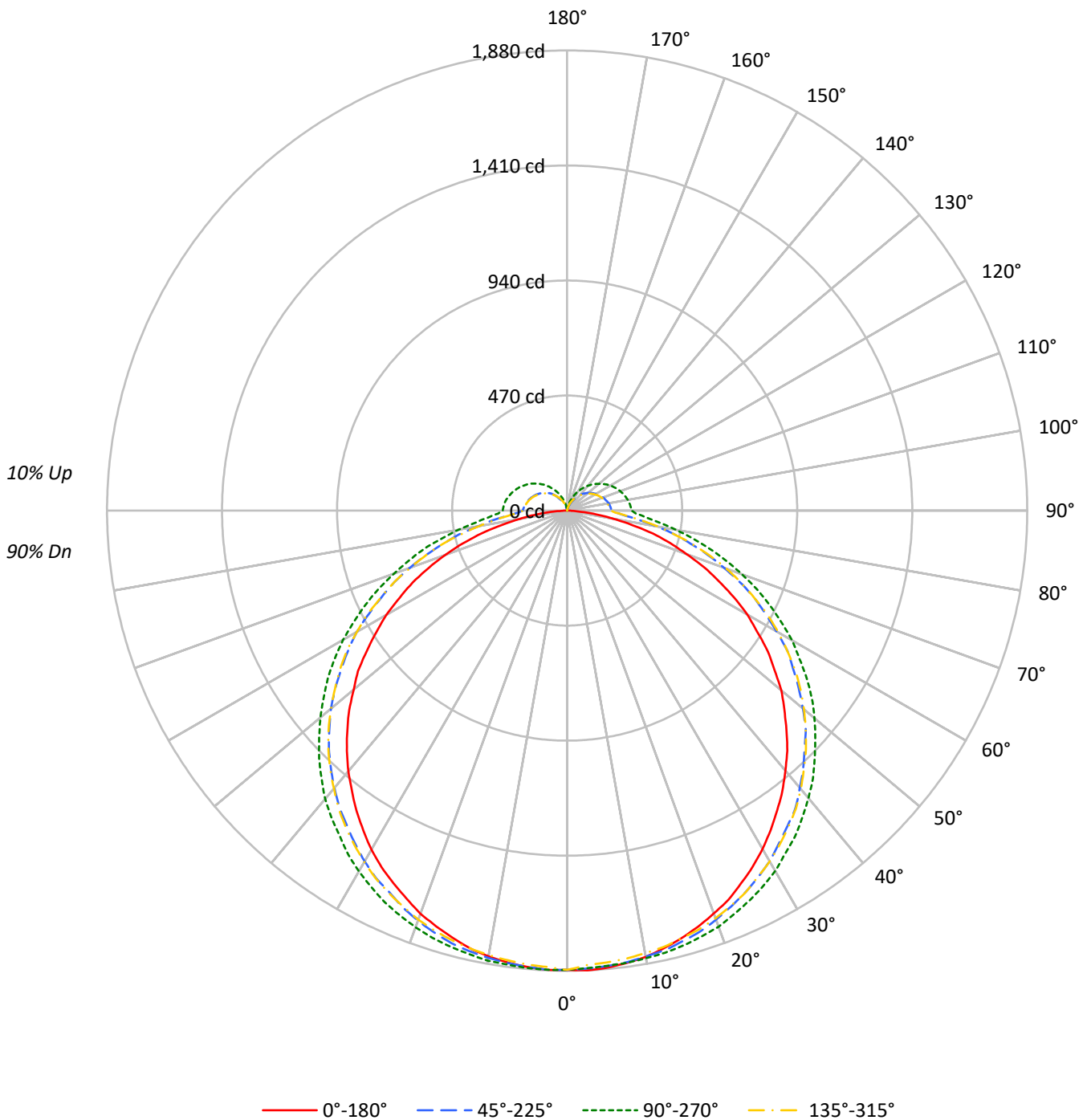
Lumens per Lamp: N/A  
Luminaire Lumens: 6807.0 lumens  
Efficiency: N/A  
Efficacy: 69.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.34 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.65' x L: 3.73' x H: 0.15')  
CIE Type: Direct

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

TEST NUMBER: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

### Luminous Intensity Polar Plot





TEST NUMBER: P241625

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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°	8386	8386	8386	8386
5°	8382	8214	8368	8252
10°	8345	8105	8335	8149
15°	8280	8024	8273	8048
20°	8215	7951	8219	7961
25°	8139	7847	8132	7875
30°	8056	7761	8072	7768
35°	7943	7651	7964	7637
40°	7833	7522	7855	7545
45°	7705	7373	7728	7389
50°	7587	7228	7556	7211
55°	7383	7039	7372	7030
60°	7119	6816	7145	6792
65°	6674	6500	6795	6467
70°	6099	6122	6245	6065
75°	5456	5641	5456	5670
80°	4042	5074	4190	5065
85°	2002	4654	2357	4643



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.9	2.6
10°-20°	515.1	7.6
20°-30°	794.7	11.7
30°-40°	981.8	14.4
40°-50°	1053.5	15.5
50°-60°	997.3	14.7
60°-70°	815.1	12.0
70°-80°	535.8	7.9
80°-90°	255.4	3.8
90°-100°	170.0	2.5
100°-110°	153.3	2.3
110°-120°	128.5	1.9
120°-130°	98.9	1.5
130°-140°	68.0	1.0
140°-150°	39.5	0.6
150°-160°	17.5	0.3
160°-170°	4.5	0.1
170°-180°	0.2	0.0
0°-30°	1487.8	21.9
0°-40°	2469.6	36.3
0°-60°	4520.4	66.4
0°-90°	6126.6	90.0
90°-120°	451.8	6.6
90°-150°	658.2	9.7
90°-180°	680.0	10.0
0°-180°	6807.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1876	1876	1876	1876	1876	
5°	1875	1867	1872	1876	1875	178
15°	1808	1839	1807	1845	1808	510
25°	1681	1759	1679	1765	1681	775
35°	1496	1624	1500	1621	1496	936
45°	1267	1430	1270	1433	1267	978
55°	1000	1195	999	1193	1000	891
65°	684	912	696	908	684	678
75°	362	602	362	605	362	376
85°	56	325	66	324	56	77
90°	1	262	2	263	1	3
95°	1	258	1	259	1	1
105°	1	242	1	243	1	1
115°	1	218	1	220	1	1
125°	1	188	1	190	1	1
135°	2	152	1	153	2	1
145°	2	112	2	113	2	1
155°	2	70	2	71	2	1
165°	2	30	2	30	2	1
175°	2	0	2	0	2	0
180°	1	1	1	1	1	



TEST NUMBER: P241625

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1880.2	1882.6	1886.4	1889.5	1890.3	1890.3	1888.8	1888.0	1882.6	1877.9	1872.5
5°	1874.8	1876.4	1881.8	1884.1	1884.9	1884.1	1881.8	1881.8	1877.2	1871.0	1868.6
7.5°	1864.0	1868.6	1870.2	1871.7	1873.3	1874.8	1873.3	1871.7	1868.6	1864.0	1860.9
10°	1851.6	1852.4	1855.5	1860.1	1860.1	1861.7	1860.1	1860.9	1857.0	1853.9	1850.1
12.5°	1830.7	1833.0	1836.1	1841.6	1843.1	1844.7	1843.1	1844.7	1840.8	1838.5	1840.0
15°	1808.3	1812.9	1813.7	1818.3	1822.2	1823.0	1823.8	1826.9	1822.2	1823.0	1821.4
17.5°	1782.0	1782.8	1787.4	1789.7	1795.1	1799.8	1797.5	1802.1	1802.1	1802.1	1804.4
20°	1751.8	1751.0	1754.9	1763.4	1768.0	1769.6	1771.1	1776.6	1777.3	1778.9	1778.9
22.5°	1721.6	1719.3	1721.6	1730.9	1733.2	1737.1	1743.3	1747.2	1746.4	1748.7	1750.3
25°	1680.6	1681.4	1685.3	1696.9	1700.0	1704.6	1707.7	1713.9	1715.4	1719.3	1721.6
27.5°	1641.2	1641.2	1648.1	1654.3	1660.5	1664.4	1669.8	1679.1	1679.1	1685.3	1689.1
30°	1596.3	1595.5	1603.2	1610.2	1619.5	1624.9	1629.5	1638.8	1641.9	1646.6	1654.3
32.5°	1547.5	1551.4	1558.4	1564.6	1576.2	1583.1	1590.1	1598.6	1604.0	1607.1	1611.7
35°	1495.7	1498.0	1508.1	1516.6	1528.2	1534.4	1542.9	1549.8	1559.9	1563.8	1570.7
37.5°	1444.6	1448.5	1456.2	1467.1	1481.0	1489.5	1492.6	1505.0	1508.1	1515.8	1532.8
40°	1386.6	1391.2	1405.9	1412.9	1427.6	1435.3	1441.5	1453.9	1461.6	1471.7	1478.7
42.5°	1331.6	1337.1	1341.7	1359.5	1373.4	1379.6	1385.8	1397.4	1407.5	1416.0	1427.6
45°	1266.7	1270.5	1282.9	1302.2	1313.9	1323.9	1328.6	1340.9	1354.9	1362.6	1372.7
47.5°	1203.2	1209.4	1219.5	1234.2	1248.1	1258.1	1269.7	1283.7	1299.1	1303.0	1322.4
50°	1142.1	1145.2	1152.9	1172.3	1187.7	1197.0	1204.0	1219.5	1231.1	1244.2	1257.4
52.5°	1067.0	1068.6	1084.0	1101.8	1123.5	1131.2	1137.4	1156.8	1167.6	1181.5	1192.4
55°	1000.5	999.7	1015.2	1030.7	1052.3	1062.4	1067.8	1084.8	1099.5	1115.8	1127.4
57.5°	919.2	926.2	940.9	963.3	981.9	986.5	995.8	1015.2	1029.9	1047.7	1067.0
60°	850.4	850.4	864.3	885.2	900.7	916.1	927.0	944.0	957.9	972.6	987.3
62.5°	768.3	769.1	787.7	803.2	824.8	837.2	846.5	867.4	885.2	897.6	913.0
65°	684.0	691.0	713.4	725.8	752.9	758.3	770.7	790.0	806.3	822.5	843.4
67.5°	605.9	612.0	624.4	644.5	672.4	678.6	691.0	711.1	734.3	740.5	764.5
70°	516.9	530.8	541.6	563.3	590.4	595.8	610.5	628.3	652.3	667.8	679.4
72.5°	440.3	446.5	464.3	479.0	499.1	513.0	533.1	547.1	568.7	582.6	602.8
75°	362.1	359.0	376.8	399.3	423.2	430.2	440.3	465.0	485.9	505.3	522.3
77.5°	270.0	275.5	297.9	324.2	346.6	351.3	364.4	384.6	406.2	426.3	450.3
80°	191.9	199.6	212.0	244.5	264.6	277.8	289.4	308.7	328.1	356.7	369.1
82.5°	120.7	127.7	146.2	171.0	191.9	204.3	219.0	238.3	258.4	283.2	297.1
85°	56.5	66.5	85.1	110.6	130.0	145.5	154.8	179.5	201.2	222.8	238.3
87.5°	17.0	24.0	44.1	65.8	89.8	101.4	113.0	137.0	160.9	181.1	198.1
90°	0.8	8.5	26.3	49.5	74.3	85.9	97.5	120.7	142.4	164.0	181.8
92.5°	0.8	7.7	25.5	48.0	72.0	83.6	95.9	118.4	140.1	160.9	179.5
95°	0.8	7.7	24.8	47.2	70.4	82.0	94.4	116.8	138.5	158.6	177.2
97.5°	0.8	7.7	24.0	45.7	68.9	80.5	92.1	114.5	136.2	156.3	174.9
100°	0.8	7.0	24.0	44.9	67.3	78.2	90.5	112.2	133.9	153.2	172.5
102.5°	0.8	7.0	23.2	43.3	65.8	76.6	88.2	109.9	130.0	150.1	167.9
105°	0.8	6.2	22.4	42.6	63.4	74.3	85.9	106.8	126.9	146.2	164.0
107.5°	0.8	6.2	21.7	41.0	61.9	72.7	83.6	103.7	123.8	142.4	160.2
110°	0.8	5.4	20.9	39.5	59.6	70.4	81.2	101.4	120.7	139.3	156.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.8	5.4	19.3	37.9	58.0	68.1	78.2	98.3	116.8	135.4	151.7
115°	0.8	4.6	18.6	36.4	55.7	65.8	75.1	94.4	113.0	130.0	146.2
117.5°	0.8	4.6	17.8	34.8	53.4	62.7	72.7	90.5	109.1	125.3	142.4
120°	0.8	3.9	17.0	33.3	51.1	60.4	69.6	87.4	104.5	120.7	136.2
122.5°	0.8	3.1	15.5	31.7	48.7	57.3	65.8	82.8	99.8	116.1	130.0
125°	0.8	2.3	14.7	29.4	45.7	54.2	62.7	79.7	95.2	110.6	124.6
127.5°	0.8	2.3	13.2	27.9	43.3	51.1	59.6	75.1	90.5	105.2	118.4
130°	0.8	1.5	11.6	24.8	40.2	48.0	55.7	71.2	85.1	99.8	112.2
132.5°	0.8	1.5	10.1	22.4	36.4	43.3	51.8	66.5	80.5	93.6	106.0
135°	1.5	1.5	8.5	20.1	32.5	39.5	46.4	60.4	74.3	87.4	99.0
137.5°	1.5	1.5	7.0	17.0	28.6	34.8	41.8	54.2	67.3	81.2	92.1
140°	1.5	1.5	6.2	14.7	24.8	31.0	36.4	48.0	59.6	72.0	84.3
142.5°	1.5	1.5	4.6	12.4	21.7	26.3	31.7	42.6	52.6	63.4	75.1
145°	1.5	1.5	3.9	10.8	18.6	23.2	27.1	36.4	45.7	55.7	66.5
147.5°	1.5	1.5	3.1	8.5	15.5	19.3	24.0	31.0	40.2	48.7	56.5
150°	1.5	1.5	2.3	7.0	13.2	16.2	20.1	26.3	34.0	41.8	48.7
152.5°	1.5	1.5	2.3	6.2	10.8	13.2	16.2	22.4	27.9	34.8	41.0
155°	1.5	1.5	2.3	4.6	8.5	10.8	13.9	18.6	23.2	28.6	34.0
157.5°	1.5	1.5	1.5	3.1	7.0	9.3	10.8	14.7	19.3	22.4	26.3
160°	1.5	1.5	1.5	2.3	5.4	7.0	8.5	11.6	14.7	17.8	21.7
162.5°	2.3	2.3	2.3	2.3	3.9	4.6	6.2	8.5	11.6	13.9	15.5
165°	2.3	2.3	2.3	2.3	2.3	3.1	3.9	6.2	7.7	10.1	11.6
167.5°	2.3	2.3	2.3	2.3	2.3	2.3	3.1	3.9	5.4	6.2	7.7
170°	2.3	2.3	2.3	2.3	2.3	1.5	1.5	2.3	2.3	3.1	3.9
172.5°	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5
175°	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	0.8	0.8
177.5°	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5	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°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1868.6	1869.4	1871.7	1871.7	1871.7	1872.5	1871.7	1871.0	1869.4	1871.0	1868.6
5°	1864.8	1865.5	1867.1	1869.4	1869.4	1869.4	1871.0	1867.9	1867.9	1867.1	1866.3
7.5°	1858.6	1859.4	1862.4	1864.0	1864.0	1864.8	1865.5	1865.5	1863.2	1863.2	1861.7
10°	1849.3	1853.2	1854.7	1857.8	1856.3	1858.6	1859.4	1857.8	1856.3	1857.0	1857.0
12.5°	1838.5	1843.9	1843.9	1850.1	1849.3	1848.5	1850.1	1850.1	1849.3	1850.1	1850.1
15°	1824.5	1829.2	1832.3	1837.7	1836.9	1836.9	1840.8	1841.6	1839.2	1839.2	1837.7
17.5°	1806.0	1808.3	1816.0	1818.3	1819.9	1821.4	1823.8	1825.3	1824.5	1824.5	1822.2
20°	1782.8	1788.2	1796.7	1795.9	1804.4	1804.4	1804.4	1805.2	1806.7	1809.1	1805.2
22.5°	1754.9	1764.2	1771.1	1775.8	1777.3	1778.9	1782.0	1785.1	1784.3	1784.3	1785.1
25°	1726.3	1736.3	1741.7	1751.0	1754.1	1752.6	1758.8	1760.3	1760.3	1758.8	1760.3
27.5°	1694.5	1705.4	1714.7	1715.4	1720.1	1722.4	1725.5	1730.9	1730.9	1731.7	1729.4
30°	1659.7	1671.3	1677.5	1682.9	1686.0	1686.0	1694.5	1696.1	1695.3	1700.0	1699.2
32.5°	1621.8	1635.0	1640.4	1648.1	1652.0	1652.0	1656.6	1662.0	1659.7	1659.7	1661.3
35°	1579.3	1590.9	1597.8	1607.1	1608.7	1611.0	1616.4	1622.6	1624.9	1624.1	1621.8
37.5°	1540.6	1544.4	1556.8	1563.8	1564.6	1567.6	1573.8	1578.5	1576.9	1579.3	1578.5
40°	1489.5	1498.0	1508.8	1517.4	1522.0	1520.4	1526.6	1530.5	1532.8	1533.6	1536.7
42.5°	1441.5	1453.1	1460.1	1468.6	1471.7	1471.7	1475.6	1478.7	1482.5	1486.4	1482.5
45°	1387.4	1396.6	1406.7	1414.4	1420.6	1422.2	1425.3	1424.5	1428.4	1429.9	1435.3
47.5°	1330.1	1342.5	1350.2	1358.0	1361.1	1366.5	1372.7	1373.4	1378.8	1375.0	1379.6
50°	1273.6	1283.7	1293.7	1303.0	1306.1	1305.3	1308.4	1312.3	1316.2	1319.3	1316.9
52.5°	1207.8	1219.5	1229.5	1237.2	1244.2	1242.7	1251.9	1248.9	1257.4	1260.5	1255.8
55°	1139.8	1158.3	1166.1	1173.0	1173.8	1180.0	1193.1	1187.7	1190.8	1194.7	1191.6
57.5°	1072.4	1084.8	1095.6	1104.9	1107.3	1115.0	1118.1	1120.4	1124.3	1125.1	1128.9
60°	1008.2	1012.9	1026.8	1036.8	1040.7	1041.5	1055.4	1053.1	1058.5	1060.8	1057.7
62.5°	929.3	943.2	954.8	966.4	966.4	972.6	978.0	976.5	982.7	986.5	988.9
65°	852.7	866.6	878.2	887.5	891.4	898.3	900.7	902.2	909.2	912.3	912.3
67.5°	773.8	793.1	800.1	808.6	815.5	817.9	827.2	830.2	834.1	838.8	840.3
70°	696.4	718.1	725.0	733.5	735.8	742.8	749.0	755.2	753.6	759.1	762.9
72.5°	622.1	636.8	643.8	654.6	661.6	667.8	673.2	679.4	682.5	680.9	685.6
75°	541.6	557.1	564.1	579.5	581.1	587.3	597.3	601.2	602.8	602.0	603.5
77.5°	466.6	479.0	486.7	500.6	507.6	509.1	522.3	522.3	526.9	525.4	528.5
80°	384.6	400.8	418.6	428.7	435.6	434.9	441.8	447.2	449.6	449.6	451.9
82.5°	318.8	331.2	348.2	359.0	362.9	367.5	376.8	380.7	385.3	380.7	387.7
85°	261.5	275.5	288.6	297.1	301.0	308.7	316.5	318.0	325.0	325.0	324.2
87.5°	215.9	230.6	243.7	255.3	260.8	263.9	272.4	276.2	279.3	281.6	280.1
90°	198.9	214.3	227.5	238.3	243.7	247.6	254.6	259.2	261.5	262.3	261.5
92.5°	196.5	211.2	224.4	236.0	240.6	245.3	252.2	256.9	260.0	260.8	259.2
95°	194.2	209.7	222.8	233.7	238.3	243.0	249.9	254.6	257.7	258.4	256.9
97.5°	192.7	206.6	220.5	231.4	236.0	239.9	247.6	252.2	254.6	255.3	254.6
100°	189.6	203.5	216.7	227.5	232.1	236.0	243.0	248.4	250.7	251.5	250.7
102.5°	184.9	199.6	212.0	222.8	227.5	232.1	238.3	243.0	246.1	246.8	246.1
105°	181.1	195.8	208.1	218.2	222.8	227.5	233.7	238.3	241.4	242.2	240.6
107.5°	176.4	191.1	203.5	214.3	219.0	222.8	229.0	233.7	236.0	236.8	235.2
110°	171.8	186.5	198.9	208.9	213.6	216.7	223.6	227.5	230.6	231.4	229.8





TEST NUMBER: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	166.4	180.3	192.7	202.7	206.6	211.2	216.7	221.3	224.4	225.2	223.6
115°	160.9	174.1	187.3	197.3	201.2	205.0	211.2	215.1	217.4	218.2	217.4
117.5°	156.3	168.7	180.3	190.3	194.2	198.1	204.3	208.1	211.2	211.2	210.5
120°	150.1	162.5	173.3	182.6	188.0	190.3	196.5	201.2	203.5	203.5	203.5
122.5°	144.7	156.3	167.9	176.4	180.3	183.4	189.6	194.2	196.5	196.5	195.0
125°	137.7	149.3	159.4	168.7	171.8	174.9	181.1	184.9	187.3	188.0	186.5
127.5°	130.8	142.4	152.4	160.2	164.8	167.9	172.5	176.4	179.5	179.5	178.0
130°	123.8	134.6	144.7	152.4	156.3	158.6	164.0	168.7	170.2	170.2	169.5
132.5°	116.8	127.7	137.0	143.9	147.8	150.1	154.8	158.6	160.9	161.7	160.2
135°	109.9	119.9	128.4	136.2	138.5	141.6	145.5	149.3	150.9	151.7	150.1
137.5°	102.9	112.2	119.9	126.9	130.0	132.3	137.0	140.1	141.6	142.4	140.8
140°	95.2	103.7	111.4	118.4	121.5	123.0	127.7	130.0	132.3	132.3	130.8
142.5°	87.4	95.9	102.9	109.1	111.4	113.7	117.6	120.7	121.5	121.5	121.5
145°	78.2	87.4	94.4	100.6	102.9	104.5	107.6	109.9	111.4	112.2	110.6
147.5°	68.1	76.6	85.1	90.5	92.9	95.2	97.5	100.6	101.4	101.4	99.8
150°	57.3	65.8	75.1	81.2	84.3	85.1	87.4	89.0	91.3	91.3	90.5
152.5°	48.0	55.7	64.2	72.0	73.5	75.8	77.4	79.7	80.5	80.5	79.7
155°	40.2	46.4	52.6	60.4	64.2	65.8	68.1	69.6	70.4	69.6	69.6
157.5°	31.7	37.1	42.6	48.7	54.2	55.7	58.0	59.6	60.4	59.6	59.6
160°	24.8	28.6	32.5	38.7	41.0	44.9	48.0	48.7	49.5	49.5	48.7
162.5°	18.6	21.7	24.0	27.9	31.0	33.3	37.9	39.5	39.5	40.2	38.7
165°	13.2	14.7	17.0	19.3	20.9	22.4	27.1	29.4	29.4	30.2	29.4
167.5°	8.5	9.3	10.8	12.4	13.2	14.7	16.2	19.3	20.9	20.9	20.1
170°	4.6	4.6	5.4	6.2	7.0	7.0	7.7	10.8	11.6	11.6	10.8
172.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	3.9	3.9	3.1
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: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1870.2	1868.6	1871.0	1871.7	1870.2	1867.1	1864.0	1861.7	1858.6	1857.8	1857.8
5°	1866.3	1865.5	1867.1	1867.1	1867.1	1865.5	1860.9	1857.8	1853.2	1851.6	1853.2
7.5°	1861.7	1861.7	1863.2	1862.4	1860.9	1859.4	1853.9	1850.1	1846.2	1844.7	1844.7
10°	1854.7	1853.9	1854.7	1853.2	1853.2	1850.1	1846.2	1840.0	1836.1	1834.6	1834.6
12.5°	1847.7	1844.7	1843.9	1846.2	1843.9	1840.0	1832.3	1828.4	1826.1	1819.1	1818.3
15°	1836.1	1832.3	1833.0	1831.5	1833.8	1829.2	1820.7	1816.8	1808.3	1802.9	1802.1
17.5°	1819.9	1819.9	1819.1	1817.6	1816.0	1810.6	1805.2	1799.8	1793.6	1787.4	1778.9
20°	1801.3	1802.1	1800.5	1801.3	1800.5	1791.3	1785.8	1777.3	1772.7	1764.2	1758.0
22.5°	1782.0	1780.4	1778.1	1776.6	1777.3	1771.1	1763.4	1754.9	1747.9	1737.9	1731.7
25°	1758.8	1757.2	1753.3	1752.6	1752.6	1744.8	1737.9	1725.5	1722.4	1711.6	1700.7
27.5°	1727.0	1725.5	1723.9	1721.6	1720.1	1716.2	1709.2	1696.1	1687.6	1678.3	1667.5
30°	1692.2	1695.3	1689.9	1688.4	1684.5	1684.5	1675.2	1664.4	1655.1	1641.2	1631.1
32.5°	1657.4	1658.9	1657.4	1654.3	1648.9	1647.3	1636.5	1627.2	1617.2	1602.5	1590.1
35°	1619.5	1617.2	1618.7	1609.4	1613.3	1604.0	1594.0	1588.5	1576.2	1562.2	1549.8
37.5°	1577.7	1576.2	1571.5	1566.9	1564.6	1562.2	1549.8	1541.3	1535.1	1517.4	1502.6
40°	1528.2	1530.5	1527.4	1526.6	1519.7	1516.6	1502.6	1493.4	1484.9	1468.6	1454.7
42.5°	1481.8	1485.6	1474.0	1475.6	1471.7	1462.4	1454.7	1446.9	1431.5	1423.0	1401.3
45°	1430.7	1426.8	1424.5	1416.0	1416.0	1411.3	1399.7	1395.1	1379.6	1365.7	1347.1
47.5°	1371.9	1376.5	1365.7	1366.5	1364.9	1356.4	1343.3	1339.4	1321.6	1312.3	1289.9
50°	1316.9	1312.3	1309.2	1310.8	1300.7	1299.1	1289.1	1276.7	1262.8	1251.2	1234.2
52.5°	1252.7	1253.5	1253.5	1245.0	1245.0	1232.6	1221.8	1212.5	1201.7	1183.9	1172.3
55°	1192.4	1190.8	1186.2	1184.6	1173.8	1168.4	1158.3	1144.4	1137.4	1121.2	1108.0
57.5°	1128.9	1125.1	1119.6	1111.1	1108.8	1101.8	1091.0	1078.6	1066.2	1052.3	1043.0
60°	1057.7	1056.2	1048.4	1043.0	1039.9	1031.4	1024.5	1014.4	996.6	981.9	967.2
62.5°	984.2	983.5	979.6	972.6	971.1	961.8	949.4	935.5	923.1	909.2	892.1
65°	908.4	903.8	897.6	896.8	889.8	885.2	879.0	859.7	844.2	831.0	815.5
67.5°	838.0	834.1	821.7	821.7	816.3	808.6	797.0	789.2	766.8	753.6	735.8
70°	756.7	757.5	752.1	748.2	737.4	726.6	721.1	711.1	692.5	673.2	660.0
72.5°	678.6	674.7	667.0	663.9	661.6	653.8	638.4	622.9	609.0	595.8	571.0
75°	601.2	596.6	585.0	588.8	582.6	572.6	564.1	546.3	528.5	512.2	493.7
77.5°	523.1	514.6	510.7	509.9	508.4	494.4	480.5	465.0	448.8	441.8	411.6
80°	452.7	441.0	435.6	437.2	430.2	417.1	408.5	393.8	376.8	359.0	336.6
82.5°	379.1	377.6	367.5	363.7	358.3	350.5	337.4	321.9	304.1	287.1	266.9
85°	320.3	314.1	314.1	301.8	300.2	288.6	276.2	261.5	242.2	222.1	203.5
87.5°	278.6	270.8	265.4	259.2	255.3	246.1	230.6	215.1	197.3	183.4	158.6
90°	257.7	253.0	244.5	239.9	235.2	222.8	208.9	194.2	177.2	157.8	139.3
92.5°	255.3	249.9	242.2	237.5	232.9	220.5	206.6	191.9	174.1	155.5	135.4
95°	253.8	247.6	239.9	235.2	230.6	218.2	205.0	189.6	172.5	153.2	133.9
97.5°	250.7	245.3	237.5	232.9	227.5	215.9	202.7	187.3	170.2	150.9	131.5
100°	246.8	240.6	233.7	229.0	224.4	212.8	198.9	183.4	166.4	148.6	129.2
102.5°	242.2	237.5	229.0	224.4	219.7	208.1	195.0	179.5	163.3	145.5	126.1
105°	237.5	232.1	225.2	220.5	215.1	204.3	191.1	175.6	159.4	141.6	123.0
107.5°	233.7	227.5	219.7	215.1	210.5	199.6	186.5	171.8	155.5	137.7	119.9
110°	227.5	222.1	214.3	209.7	205.0	194.2	181.1	167.1	151.7	133.9	116.1



TEST NUMBER: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	220.5	215.1	207.4	203.5	198.9	188.0	175.6	161.7	147.0	130.0	112.2
115°	214.3	208.9	202.0	198.1	193.4	182.6	170.2	156.3	142.4	125.3	108.3
117.5°	207.4	202.0	195.0	191.1	186.5	175.6	164.8	151.7	137.0	120.7	104.5
120°	199.6	194.2	188.0	184.2	179.5	169.5	158.6	145.5	131.5	116.1	99.8
122.5°	191.9	187.3	180.3	176.4	172.5	163.3	152.4	140.1	126.1	111.4	95.9
125°	183.4	178.7	172.5	168.7	164.8	156.3	145.5	133.9	119.9	106.0	90.5
127.5°	174.9	171.0	164.8	160.9	157.1	148.6	138.5	126.9	114.5	100.6	85.9
130°	166.4	161.7	156.3	153.2	148.6	140.8	131.5	119.9	108.3	95.2	81.2
132.5°	157.1	153.2	147.8	144.7	141.6	133.1	123.8	113.7	101.4	89.0	76.6
135°	147.8	143.9	140.1	136.2	132.3	125.3	116.1	106.0	95.2	83.6	71.2
137.5°	138.5	134.6	130.8	127.7	123.8	116.8	109.1	99.0	88.2	78.2	66.5
140°	129.2	125.3	121.5	118.4	115.3	109.1	100.6	92.1	82.0	71.2	60.4
142.5°	119.2	116.1	111.4	109.1	106.0	99.8	92.9	84.3	75.1	65.0	55.7
145°	109.1	106.0	102.1	99.8	96.7	91.3	85.1	76.6	68.1	59.6	50.3
147.5°	99.0	95.9	92.1	90.5	87.4	83.6	76.6	68.9	61.9	52.6	44.1
150°	88.2	86.7	82.8	80.5	78.9	73.5	68.1	61.1	54.9	47.2	39.5
152.5°	78.9	76.6	72.7	71.2	69.6	65.0	60.4	53.4	48.0	41.0	34.0
155°	68.1	66.5	63.4	61.9	60.4	55.7	51.8	46.4	41.0	34.8	28.6
157.5°	58.8	57.3	54.2	52.6	51.1	48.0	43.3	39.5	34.0	28.6	23.2
160°	48.0	46.4	44.9	43.3	42.6	39.5	34.8	31.7	27.9	23.2	17.8
162.5°	37.9	37.9	35.6	34.8	33.3	31.0	27.9	24.0	20.9	17.8	13.2
165°	28.6	27.9	26.3	25.5	24.8	22.4	20.1	18.6	15.5	12.4	8.5
167.5°	19.3	18.6	17.8	17.8	17.0	15.5	13.2	10.8	9.3	7.0	5.4
170°	10.8	10.1	10.1	9.3	9.3	7.7	7.0	5.4	4.6	3.1	2.3
172.5°	3.1	3.1	3.1	3.1	2.3	1.5	1.5	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: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1858.6	1860.1	1860.1	1859.4	1866.3	1870.2	1874.1	1877.9	1881.8	1884.9	1888.8
5°	1851.6	1853.9	1853.2	1854.7	1857.8	1866.3	1869.4	1871.7	1875.6	1879.5	1884.1
7.5°	1843.9	1844.7	1843.9	1843.1	1850.1	1855.5	1858.6	1862.4	1867.1	1869.4	1873.3
10°	1832.3	1831.5	1831.5	1831.5	1836.1	1841.6	1845.4	1849.3	1852.4	1855.5	1857.8
12.5°	1816.0	1817.6	1813.7	1815.2	1816.0	1822.2	1826.9	1832.3	1833.0	1836.9	1838.5
15°	1799.0	1797.5	1797.5	1795.9	1795.9	1800.5	1803.6	1806.7	1811.4	1816.0	1819.1
17.5°	1776.6	1773.5	1771.9	1773.5	1771.1	1773.5	1778.1	1780.4	1785.1	1785.8	1794.4
20°	1751.0	1751.8	1746.4	1742.5	1741.7	1745.6	1746.4	1752.6	1755.7	1756.4	1762.6
22.5°	1723.2	1718.5	1715.4	1713.9	1713.1	1713.1	1713.1	1715.4	1720.1	1722.4	1728.6
25°	1693.0	1685.3	1682.9	1680.6	1675.2	1674.4	1676.7	1679.1	1682.2	1687.6	1692.2
27.5°	1657.4	1650.4	1648.1	1642.7	1635.7	1638.1	1638.1	1642.7	1641.9	1646.6	1652.8
30°	1617.2	1611.0	1605.6	1604.8	1592.4	1596.3	1591.6	1599.4	1597.8	1605.6	1612.5
32.5°	1580.8	1570.0	1561.5	1559.1	1549.1	1547.5	1546.8	1549.8	1549.8	1556.8	1569.2
35°	1536.7	1524.3	1514.3	1513.5	1498.8	1499.6	1494.1	1499.6	1501.1	1508.1	1520.4
37.5°	1486.4	1473.2	1467.8	1465.5	1449.3	1447.7	1443.8	1444.6	1448.5	1457.0	1466.3
40°	1436.1	1424.5	1417.5	1416.0	1401.3	1392.0	1385.8	1390.5	1389.7	1402.8	1413.7
42.5°	1385.8	1370.3	1361.8	1357.2	1347.1	1336.3	1330.1	1331.6	1335.5	1343.3	1359.5
45°	1334.7	1316.9	1306.9	1303.8	1284.4	1275.9	1269.7	1270.5	1273.6	1288.3	1296.8
47.5°	1274.4	1257.4	1248.1	1241.1	1224.1	1214.8	1205.5	1207.8	1210.9	1222.5	1238.8
50°	1213.3	1194.7	1185.4	1179.2	1166.1	1145.9	1138.2	1137.4	1142.1	1159.1	1177.7
52.5°	1153.7	1132.0	1123.5	1115.0	1094.9	1080.2	1074.0	1077.1	1079.4	1084.8	1106.5
55°	1088.7	1067.0	1055.4	1051.5	1026.0	1016.7	1005.1	998.9	1004.3	1019.0	1040.7
57.5°	1022.1	996.6	985.8	980.4	954.8	947.9	930.8	924.6	930.1	944.8	965.7
60°	945.5	927.7	912.3	906.1	886.0	865.1	853.5	853.5	861.2	867.4	889.1
62.5°	873.6	848.8	844.9	826.4	806.3	790.8	776.9	771.4	781.5	796.2	814.0
65°	794.7	769.1	764.5	750.6	729.7	711.1	704.1	696.4	701.0	711.1	729.7
67.5°	719.6	693.3	681.7	669.3	655.4	631.4	613.6	612.0	615.9	638.4	650.0
70°	638.4	613.6	605.1	600.4	571.8	548.6	535.4	529.3	537.0	559.4	574.1
72.5°	553.2	537.8	520.7	512.2	489.0	464.3	449.6	447.2	455.0	468.9	489.0
75°	473.5	449.6	441.8	431.8	407.0	382.2	366.0	362.1	371.4	385.3	406.2
77.5°	394.6	369.1	361.3	349.0	326.5	304.1	284.0	276.2	290.2	304.9	329.6
80°	318.0	297.9	286.3	274.7	252.2	229.8	206.6	198.9	211.2	228.3	245.3
82.5°	243.7	222.1	206.6	197.3	176.4	155.5	137.7	133.1	141.6	158.6	176.4
85°	181.1	159.4	147.0	136.2	117.6	89.8	73.5	66.5	74.3	92.1	114.5
87.5°	139.3	115.3	102.9	93.6	67.3	48.0	27.9	22.4	31.0	46.4	71.2
90°	116.8	94.4	82.8	71.2	47.2	25.5	9.3	2.3	10.8	28.6	51.8
92.5°	113.7	91.3	79.7	68.1	44.9	23.2	7.0	0.8	8.5	25.5	48.0
95°	112.2	89.8	78.2	66.5	43.3	22.4	6.2	0.8	7.7	24.8	47.2
97.5°	110.6	87.4	76.6	65.0	42.6	22.4	6.2	0.8	7.7	24.0	45.7
100°	108.3	85.1	74.3	63.4	41.8	21.7	6.2	0.8	7.7	24.0	44.9
102.5°	105.2	83.6	72.7	61.9	40.2	20.9	5.4	0.8	7.0	23.2	44.1
105°	102.1	81.2	71.2	60.4	38.7	20.1	5.4	0.8	7.0	22.4	42.6
107.5°	99.8	78.9	68.9	58.0	37.1	19.3	4.6	0.8	6.2	21.7	41.0
110°	96.7	76.6	66.5	56.5	36.4	18.6	4.6	0.8	6.2	20.9	39.5



TEST NUMBER: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	93.6	73.5	64.2	54.2	34.8	17.0	3.9	0.8	5.4	20.1	37.9
115°	89.8	71.2	61.9	51.8	33.3	16.2	3.9	0.8	5.4	19.3	37.1
117.5°	86.7	68.1	58.8	49.5	31.0	15.5	3.1	0.8	4.6	17.8	34.8
120°	82.8	64.2	55.7	46.4	29.4	14.7	2.3	0.8	4.6	17.0	33.3
122.5°	78.9	61.1	52.6	44.1	27.9	13.2	2.3	0.8	3.9	16.2	31.7
125°	75.1	58.0	49.5	41.8	26.3	12.4	1.5	0.8	3.9	14.7	30.2
127.5°	71.2	54.9	47.2	39.5	24.8	10.8	1.5	0.8	3.1	13.9	28.6
130°	66.5	51.1	44.1	36.4	22.4	10.1	1.5	0.8	2.3	12.4	25.5
132.5°	62.7	47.2	41.0	34.0	20.9	8.5	1.5	0.8	2.3	10.8	23.2
135°	58.0	44.1	37.9	31.7	18.6	7.7	0.8	0.8	1.5	9.3	20.1
137.5°	53.4	41.0	34.8	28.6	17.0	6.2	1.5	1.5	1.5	7.7	17.8
140°	48.7	37.1	31.0	25.5	14.7	5.4	1.5	1.5	1.5	7.0	15.5
142.5°	44.1	33.3	27.9	23.2	13.2	3.9	1.5	1.5	1.5	5.4	13.2
145°	40.2	30.2	24.8	20.1	10.8	3.1	1.5	1.5	1.5	4.6	10.8
147.5°	35.6	26.3	21.7	17.8	9.3	2.3	1.5	1.5	1.5	3.9	9.3
150°	31.0	22.4	18.6	14.7	7.0	1.5	1.5	1.5	1.5	3.1	8.5
152.5°	26.3	18.6	15.5	12.4	5.4	1.5	1.5	1.5	1.5	3.1	7.0
155°	21.7	15.5	12.4	9.3	3.9	1.5	1.5	1.5	1.5	2.3	5.4
157.5°	17.8	12.4	10.1	7.0	2.3	1.5	1.5	1.5	1.5	2.3	4.6
160°	13.9	8.5	7.0	4.6	1.5	1.5	1.5	1.5	1.5	2.3	3.1
162.5°	10.1	6.2	3.9	3.1	1.5	1.5	1.5	2.3	1.5	1.5	3.1
165°	6.2	3.1	2.3	1.5	1.5	1.5	1.5	2.3	2.3	1.5	2.3
167.5°	3.1	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3
170°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
172.5°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
175°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
177.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1888.8	1889.5	1889.5	1889.5	1885.7	1879.5	1877.2	1871.7	1873.3	1876.4	1876.4
5°	1884.9	1885.7	1884.1	1883.3	1879.5	1872.5	1871.0	1868.6	1867.1	1872.5	1872.5
7.5°	1874.8	1874.1	1874.8	1875.6	1872.5	1867.1	1864.0	1860.9	1863.2	1867.1	1867.9
10°	1860.9	1862.4	1862.4	1861.7	1860.1	1856.3	1855.5	1853.2	1855.5	1858.6	1861.7
12.5°	1843.1	1845.4	1845.4	1847.0	1845.4	1841.6	1843.9	1840.8	1845.4	1852.4	1853.2
15°	1823.0	1823.8	1823.8	1828.4	1828.4	1827.6	1829.2	1828.4	1833.8	1836.9	1838.5
17.5°	1799.0	1799.0	1802.9	1808.3	1809.1	1802.9	1807.5	1808.3	1811.4	1818.3	1823.0
20°	1768.8	1774.2	1772.7	1778.9	1778.9	1779.7	1782.8	1785.8	1790.5	1794.4	1803.6
22.5°	1735.6	1741.7	1741.7	1745.6	1751.0	1754.1	1754.9	1758.8	1765.0	1776.6	1775.8
25°	1703.8	1703.8	1709.2	1713.1	1714.7	1723.2	1720.1	1732.5	1737.1	1746.4	1747.9
27.5°	1665.1	1665.9	1672.9	1679.8	1681.4	1683.7	1692.2	1696.1	1706.1	1710.8	1719.3
30°	1622.6	1629.5	1631.9	1641.9	1645.0	1650.4	1655.1	1661.3	1672.9	1676.7	1682.9
32.5°	1577.7	1587.0	1589.3	1597.8	1600.9	1609.4	1613.3	1618.7	1631.1	1639.6	1647.3
35°	1528.2	1535.9	1542.1	1554.5	1559.1	1564.6	1570.0	1580.8	1594.0	1597.8	1604.8
37.5°	1479.4	1487.9	1494.1	1505.0	1511.2	1521.2	1528.2	1535.1	1546.0	1555.3	1560.7
40°	1429.1	1437.7	1440.0	1454.7	1460.9	1472.5	1479.4	1491.0	1499.6	1508.8	1521.2
42.5°	1372.7	1381.2	1385.0	1399.7	1410.6	1416.0	1429.1	1438.4	1451.6	1457.0	1464.7
45°	1316.2	1322.4	1328.6	1342.5	1354.1	1361.1	1376.5	1384.3	1393.5	1404.4	1410.6
47.5°	1252.7	1260.5	1266.7	1282.9	1294.5	1307.7	1317.7	1328.6	1340.9	1347.9	1361.1
50°	1190.8	1198.6	1204.0	1221.0	1232.6	1242.7	1259.7	1274.4	1281.4	1291.4	1299.1
52.5°	1123.5	1134.3	1141.3	1159.9	1172.3	1183.9	1193.9	1209.4	1214.8	1232.6	1240.3
55°	1051.5	1063.2	1074.0	1088.7	1099.5	1122.0	1125.8	1142.8	1156.8	1166.1	1169.9
57.5°	981.1	990.4	1003.6	1019.0	1036.8	1049.2	1060.1	1072.4	1080.9	1091.0	1104.2
60°	908.4	923.1	923.9	942.4	957.1	976.5	992.7	1000.5	1016.0	1022.1	1031.4
62.5°	833.3	838.8	855.0	872.8	882.9	902.2	913.0	930.1	940.1	954.8	964.9
65°	750.6	764.5	778.4	787.7	808.6	821.7	835.7	852.7	861.2	880.5	885.2
67.5°	673.9	687.1	691.7	711.1	728.1	749.0	763.7	777.6	786.9	799.3	815.5
70°	598.1	606.6	612.8	633.7	652.3	667.8	684.0	702.6	713.4	722.7	730.4
72.5°	511.5	517.6	534.7	550.1	569.5	588.1	604.3	620.6	632.9	643.0	652.3
75°	426.3	435.6	455.0	475.1	491.3	514.6	523.8	540.1	550.1	567.9	574.1
77.5°	352.1	363.7	372.2	396.9	411.6	435.6	452.7	465.8	472.8	487.5	500.6
80°	273.1	286.3	294.0	318.0	337.4	352.8	368.3	384.6	403.9	417.8	421.7
82.5°	204.3	210.5	220.5	246.8	266.9	291.7	307.2	318.8	335.0	345.9	355.2
85°	141.6	147.8	164.0	183.4	204.3	226.7	243.7	262.3	273.9	287.8	298.7
87.5°	93.6	105.2	119.2	141.6	160.2	181.8	200.4	215.9	231.4	244.5	254.6
90°	75.1	86.7	99.0	121.5	143.1	163.3	181.8	198.9	213.6	227.5	237.5
92.5°	72.0	83.6	95.2	118.4	139.3	160.2	178.7	196.5	210.5	223.6	235.2
95°	70.4	82.0	93.6	116.1	137.7	157.8	176.4	194.2	208.9	222.1	232.9
97.5°	68.9	80.5	92.1	114.5	135.4	156.3	174.1	191.1	206.6	219.7	230.6
100°	67.3	78.2	89.8	111.4	133.1	153.2	171.8	188.8	203.5	216.7	227.5
102.5°	65.8	76.6	88.2	109.1	130.0	149.3	167.9	184.2	199.6	212.0	222.8
105°	63.4	74.3	85.9	106.8	126.9	145.5	164.0	180.3	195.8	207.4	218.2
107.5°	61.9	72.7	82.8	104.5	123.8	142.4	159.4	175.6	190.3	203.5	213.6
110°	59.6	70.4	80.5	100.6	120.7	138.5	155.5	171.8	185.7	198.9	208.9



TEST NUMBER: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	58.0	68.1	78.2	97.5	116.1	134.6	150.9	166.4	181.1	192.7	202.7
115°	55.7	65.8	75.1	94.4	113.0	130.8	146.2	161.7	174.9	187.3	197.3
117.5°	53.4	62.7	72.7	90.5	109.1	125.3	141.6	155.5	168.7	180.3	190.3
120°	51.1	60.4	69.6	87.4	104.5	121.5	136.2	150.1	162.5	174.1	183.4
122.5°	48.7	57.3	66.5	83.6	99.8	116.1	130.8	143.9	156.3	166.4	176.4
125°	46.4	54.9	63.4	79.7	95.2	110.6	124.6	137.7	149.3	159.4	168.7
127.5°	44.1	51.8	59.6	75.8	91.3	105.2	119.2	131.5	142.4	152.4	160.9
130°	41.0	48.7	55.7	71.2	85.9	99.8	113.0	124.6	136.2	144.7	153.2
132.5°	36.4	44.1	51.8	66.5	81.2	94.4	106.8	118.4	128.4	137.0	145.5
135°	32.5	39.5	46.4	59.6	74.3	88.2	99.8	110.6	120.7	128.4	137.0
137.5°	28.6	34.8	41.0	53.4	66.5	79.7	93.6	103.7	113.0	120.7	127.7
140°	25.5	30.2	36.4	47.2	59.6	71.2	84.3	96.7	105.2	113.0	119.9
142.5°	21.7	27.1	32.5	41.8	51.8	62.7	75.1	86.7	97.5	103.7	110.6
145°	18.6	23.2	27.9	36.4	44.9	54.9	64.2	77.4	88.2	95.9	101.4
147.5°	16.2	19.3	24.0	31.7	38.7	47.2	56.5	66.5	76.6	86.7	92.1
150°	13.9	17.0	20.1	26.3	33.3	40.2	47.2	56.5	64.2	75.1	82.8
152.5°	11.6	14.7	17.0	22.4	27.9	34.0	40.2	48.0	54.9	62.7	72.7
155°	10.1	12.4	14.7	18.6	23.2	27.9	33.3	39.5	45.7	52.6	60.4
157.5°	7.7	10.1	12.4	15.5	19.3	22.4	27.1	31.0	37.1	41.0	48.0
160°	6.2	7.7	9.3	12.4	15.5	18.6	20.9	24.8	28.6	31.7	37.1
162.5°	4.6	6.2	7.7	10.1	12.4	14.7	16.2	18.6	20.9	24.0	27.9
165°	3.1	4.6	5.4	7.0	9.3	10.8	12.4	13.2	14.7	17.0	19.3
167.5°	2.3	3.1	3.9	4.6	6.2	7.7	8.5	9.3	10.1	10.8	12.4
170°	2.3	2.3	2.3	3.1	3.9	4.6	5.4	5.4	6.2	6.2	7.0
172.5°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
175°	2.3	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.0	0.0
177.5°	2.3	1.5	1.5	1.5	1.5	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: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1877.2	1878.7	1878.7	1878.7	1878.7	1877.9	1878.7	1878.7	1877.9	1877.9	1877.9
5°	1874.1	1874.1	1876.4	1875.6	1876.4	1875.6	1875.6	1874.1	1875.6	1874.8	1874.1
7.5°	1869.4	1870.2	1871.0	1872.5	1871.7	1871.0	1871.7	1870.2	1869.4	1869.4	1869.4
10°	1862.4	1864.8	1866.3	1867.9	1866.3	1867.1	1866.3	1865.5	1863.2	1864.0	1864.0
12.5°	1852.4	1853.9	1856.3	1856.3	1857.0	1855.5	1858.6	1856.3	1854.7	1856.3	1852.4
15°	1841.6	1840.0	1843.1	1846.2	1845.4	1844.7	1846.2	1843.9	1843.1	1840.8	1842.3
17.5°	1827.6	1826.9	1831.5	1830.7	1830.7	1830.0	1829.2	1828.4	1826.1	1825.3	1824.5
20°	1804.4	1808.3	1809.1	1811.4	1811.4	1811.4	1811.4	1807.5	1806.0	1805.2	1804.4
22.5°	1781.2	1782.8	1785.1	1787.4	1788.2	1788.9	1788.2	1788.9	1785.8	1784.3	1783.5
25°	1751.0	1758.0	1763.4	1766.5	1763.4	1765.0	1764.2	1761.9	1762.6	1756.4	1757.2
27.5°	1719.3	1723.9	1729.4	1733.2	1732.5	1734.0	1734.0	1733.2	1730.1	1729.4	1727.0
30°	1686.8	1690.7	1691.4	1696.9	1699.2	1701.5	1699.2	1698.4	1696.9	1691.4	1692.2
32.5°	1652.0	1651.2	1659.7	1658.9	1662.0	1665.9	1663.6	1662.8	1658.9	1656.6	1655.9
35°	1606.3	1611.0	1616.4	1619.5	1619.5	1621.0	1623.4	1620.3	1620.3	1615.6	1615.6
37.5°	1568.4	1568.4	1571.5	1576.2	1578.5	1581.6	1579.3	1580.8	1573.1	1574.6	1570.0
40°	1518.9	1522.0	1526.6	1529.0	1531.3	1538.2	1533.6	1529.0	1526.6	1528.2	1520.4
42.5°	1470.2	1469.4	1475.6	1479.4	1481.0	1484.9	1483.3	1482.5	1480.2	1474.8	1470.2
45°	1413.7	1419.9	1423.0	1425.3	1429.9	1433.0	1429.1	1430.7	1424.5	1419.1	1417.5
47.5°	1362.6	1364.1	1365.7	1372.7	1370.3	1374.2	1375.8	1377.3	1372.7	1366.5	1364.9
50°	1304.6	1302.2	1310.0	1314.6	1313.1	1316.2	1317.7	1316.9	1313.1	1303.8	1303.0
52.5°	1239.6	1240.3	1247.3	1253.5	1250.4	1253.5	1256.6	1255.8	1247.3	1246.5	1242.7
55°	1175.3	1177.7	1184.6	1185.4	1187.7	1193.1	1190.0	1187.0	1188.5	1181.5	1176.9
57.5°	1108.0	1108.0	1115.8	1120.4	1120.4	1125.8	1125.1	1121.2	1119.6	1118.1	1111.1
60°	1038.4	1040.7	1046.1	1049.2	1056.2	1057.0	1051.5	1054.6	1053.1	1043.0	1037.6
62.5°	964.9	964.1	975.7	978.8	980.4	981.1	978.8	982.7	974.9	970.3	971.1
65°	886.0	889.1	897.6	909.9	906.9	907.6	903.8	904.5	899.9	894.5	891.4
67.5°	818.6	821.0	822.5	831.0	839.5	833.3	829.5	827.9	823.3	823.3	817.1
70°	733.5	737.4	753.6	752.1	754.4	752.1	756.7	757.5	745.1	738.2	743.6
72.5°	663.1	659.2	675.5	670.9	674.7	677.0	677.8	670.9	669.3	662.3	659.2
75°	578.8	588.1	593.5	594.3	595.0	605.1	602.8	598.9	590.4	579.5	582.6
77.5°	506.0	509.9	513.0	516.1	518.4	523.1	523.8	521.5	513.8	511.5	506.8
80°	429.4	434.9	442.6	443.4	444.9	448.8	450.3	446.5	440.3	428.7	424.0
82.5°	359.8	364.4	376.8	379.1	382.2	377.6	383.0	377.6	368.3	364.4	360.6
85°	301.0	308.0	312.6	316.5	319.6	324.2	319.6	318.8	312.6	306.4	299.4
87.5°	261.5	265.4	273.9	276.2	277.8	282.4	280.9	277.8	270.8	262.3	260.0
90°	243.0	247.6	255.3	260.0	263.1	263.1	262.3	259.2	253.8	246.8	241.4
92.5°	241.4	246.8	253.8	257.7	260.8	261.5	260.8	256.9	251.5	243.7	239.1
95°	238.3	243.0	250.7	255.3	257.7	259.2	257.7	255.3	249.9	241.4	237.5
97.5°	236.0	240.6	247.6	253.0	255.3	256.9	255.3	252.2	246.8	239.1	234.5
100°	231.4	236.8	243.7	249.2	251.5	253.0	252.2	248.4	243.0	236.0	231.4
102.5°	227.5	232.1	239.1	244.5	246.8	247.6	246.8	243.7	238.3	231.4	226.7
105°	223.6	227.5	234.5	239.1	242.2	243.0	242.2	239.9	234.5	226.7	222.1
107.5°	218.2	222.8	229.8	234.5	236.8	238.3	236.8	234.5	229.0	221.3	217.4
110°	213.6	216.7	223.6	228.3	231.4	232.1	231.4	228.3	222.8	215.9	211.2





TEST NUMBER: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	207.4	211.2	218.2	222.1	224.4	225.9	225.2	221.3	216.7	208.9	205.0
115°	201.2	205.0	212.0	215.9	218.2	219.7	219.0	215.9	209.7	202.7	198.9
117.5°	194.2	198.9	205.0	208.1	211.2	212.0	211.2	208.1	203.5	197.3	191.9
120°	188.0	191.1	197.3	201.2	203.5	204.3	203.5	200.4	195.8	188.8	185.7
122.5°	180.3	184.2	190.3	195.0	196.5	197.3	196.5	194.2	188.8	181.8	178.0
125°	172.5	175.6	181.8	185.7	188.0	189.6	188.0	184.9	179.5	174.1	170.2
127.5°	164.0	167.9	174.1	177.2	179.5	181.1	179.5	175.6	171.8	166.4	162.5
130°	156.3	160.2	164.8	168.7	171.0	171.8	170.2	167.9	164.0	157.8	154.8
132.5°	148.6	151.7	156.3	160.2	161.7	162.5	160.9	158.6	154.8	149.3	145.5
135°	140.1	142.4	147.0	150.1	152.4	153.2	151.7	148.6	145.5	140.8	137.7
137.5°	130.8	133.9	137.7	141.6	143.1	143.9	142.4	140.1	136.2	131.5	128.4
140°	122.3	123.8	129.2	130.8	133.1	133.9	131.5	129.2	126.1	121.5	119.2
142.5°	113.0	115.3	119.2	121.5	123.8	123.8	122.3	119.9	116.8	112.2	110.6
145°	103.7	105.2	109.1	111.4	113.0	113.0	112.2	109.9	107.6	102.9	101.4
147.5°	94.4	95.9	99.0	101.4	102.9	103.7	102.1	100.6	97.5	93.6	91.3
150°	85.1	85.9	89.0	90.5	92.1	92.1	91.3	89.8	86.7	84.3	82.0
152.5°	75.1	75.8	78.9	80.5	81.2	82.8	81.2	78.9	77.4	74.3	72.7
155°	65.8	67.3	68.9	70.4	71.2	71.2	70.4	69.6	67.3	65.0	62.7
157.5°	52.6	57.3	59.6	60.4	60.4	61.1	60.4	58.8	58.0	55.7	54.2
160°	41.0	44.1	48.7	51.1	51.1	50.3	50.3	48.7	48.0	45.7	45.7
162.5°	30.2	32.5	38.7	39.5	41.0	40.2	40.2	40.2	38.7	37.9	35.6
165°	20.9	22.4	27.1	31.0	31.0	30.2	30.2	29.4	29.4	27.9	26.3
167.5°	13.2	13.9	16.2	21.7	21.7	20.9	20.9	20.9	20.1	18.6	18.6
170°	7.0	7.7	8.5	10.1	12.4	12.4	11.6	12.4	11.6	10.8	10.1
172.5°	2.3	2.3	1.5	2.3	4.6	4.6	4.6	4.6	4.6	3.9	3.9
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: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1877.9	1876.4	1874.1	1870.2	1866.3	1866.3	1866.3	1868.6	1870.2	1869.4	1870.2
5°	1874.1	1870.2	1868.6	1864.0	1861.7	1861.7	1860.1	1862.4	1866.3	1864.8	1865.5
7.5°	1869.4	1867.1	1863.2	1857.8	1853.2	1852.4	1852.4	1853.2	1854.7	1853.9	1853.2
10°	1861.7	1858.6	1856.3	1849.3	1843.9	1841.6	1840.8	1843.1	1841.6	1841.6	1840.8
12.5°	1853.2	1849.3	1844.7	1836.9	1832.3	1827.6	1827.6	1826.1	1826.9	1826.9	1825.3
15°	1837.7	1837.7	1830.7	1824.5	1816.8	1812.2	1809.1	1809.1	1808.3	1807.5	1804.4
17.5°	1823.0	1819.1	1812.2	1804.4	1799.8	1794.4	1790.5	1785.8	1785.1	1784.3	1779.7
20°	1804.4	1797.5	1793.6	1785.1	1778.1	1771.9	1765.0	1760.3	1759.5	1754.9	1751.8
22.5°	1781.2	1775.8	1769.6	1761.9	1751.0	1744.1	1739.4	1733.2	1727.8	1726.3	1723.2
25°	1755.7	1751.8	1747.2	1733.2	1723.9	1717.0	1708.5	1701.5	1694.5	1692.2	1688.4
27.5°	1725.5	1718.5	1713.9	1706.1	1693.8	1680.6	1673.7	1664.4	1659.7	1655.1	1653.5
30°	1688.4	1686.0	1676.7	1669.0	1657.4	1646.6	1639.6	1623.4	1621.0	1614.8	1607.9
32.5°	1653.5	1651.2	1639.6	1631.1	1618.7	1608.7	1597.8	1585.4	1574.6	1573.1	1565.3
35°	1610.2	1609.4	1598.6	1589.3	1577.7	1568.4	1553.7	1542.9	1529.0	1524.3	1519.7
37.5°	1565.3	1565.3	1553.7	1543.7	1533.6	1520.4	1508.1	1490.3	1484.9	1475.6	1470.9
40°	1517.4	1511.9	1505.7	1498.0	1482.5	1470.9	1457.0	1443.8	1431.5	1423.7	1419.1
42.5°	1466.3	1464.7	1459.3	1449.3	1433.0	1418.3	1407.5	1392.8	1375.8	1373.4	1364.1
45°	1415.2	1413.7	1402.1	1393.5	1379.6	1365.7	1351.8	1334.0	1320.8	1315.4	1306.1
47.5°	1356.4	1354.9	1348.7	1334.0	1322.4	1306.1	1293.7	1274.4	1258.1	1251.2	1242.7
50°	1300.7	1293.0	1285.2	1275.2	1259.7	1248.9	1234.2	1217.1	1202.4	1189.3	1185.4
52.5°	1240.3	1231.1	1221.0	1215.6	1195.5	1186.2	1169.2	1147.5	1135.1	1128.1	1116.5
55°	1173.0	1165.3	1162.2	1142.1	1132.8	1115.8	1104.9	1087.1	1071.7	1053.9	1050.8
57.5°	1106.5	1096.4	1087.9	1074.0	1067.8	1050.8	1036.1	1012.1	998.2	985.0	974.9
60°	1036.1	1029.1	1016.0	1004.3	992.0	981.1	963.3	937.8	920.8	911.5	910.7
62.5°	961.0	954.1	950.2	927.7	920.8	899.1	883.6	867.4	841.9	834.1	824.8
65°	886.0	881.3	866.6	855.0	838.0	826.4	810.9	790.0	771.4	756.7	745.1
67.5°	816.3	807.0	793.9	776.9	765.3	749.8	729.7	704.1	684.0	679.4	667.0
70°	734.3	721.1	715.0	694.8	680.9	669.3	646.9	629.1	605.9	591.2	580.3
72.5°	657.7	645.3	635.3	618.2	602.0	583.4	566.4	544.7	522.3	508.4	499.9
75°	578.8	567.2	558.7	540.9	526.9	506.0	481.3	461.9	446.5	427.9	415.5
77.5°	499.1	486.7	482.1	457.3	440.3	429.4	407.0	385.3	359.0	351.3	336.6
80°	420.2	410.1	403.1	379.9	366.0	345.1	328.8	307.2	284.7	270.0	260.8
82.5°	358.3	345.9	327.3	314.1	295.6	279.3	255.3	238.3	212.0	201.2	190.3
85°	296.4	282.4	272.4	252.2	240.6	223.6	201.2	176.4	154.8	142.4	130.8
87.5°	253.8	240.6	230.6	212.8	196.5	174.9	157.1	135.4	109.9	99.0	89.0
90°	236.8	224.4	211.2	195.8	178.7	159.4	139.3	117.6	94.4	82.8	71.2
92.5°	234.5	222.8	209.7	193.4	176.4	157.1	137.0	115.3	92.9	80.5	68.9
95°	232.1	220.5	207.4	191.1	174.1	155.5	135.4	113.7	91.3	78.9	67.3
97.5°	229.8	218.2	205.0	188.8	171.8	153.2	133.1	112.2	89.0	77.4	65.8
100°	225.9	214.3	201.2	185.7	168.7	150.1	130.8	109.9	87.4	75.8	65.0
102.5°	222.1	210.5	197.3	181.8	164.8	147.0	127.7	106.8	85.1	73.5	62.7
105°	216.7	205.0	192.7	178.0	161.7	143.9	123.8	104.5	82.8	72.0	61.1
107.5°	212.0	201.2	188.0	173.3	157.1	140.1	120.7	101.4	80.5	69.6	58.8
110°	206.6	195.8	183.4	168.7	153.2	136.2	117.6	98.3	78.2	67.3	57.3



TEST NUMBER: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	200.4	189.6	178.0	164.0	148.6	131.5	113.7	95.2	75.1	65.0	54.9
115°	194.2	184.9	172.5	158.6	143.1	126.9	109.9	91.3	72.0	61.9	52.6
117.5°	188.0	178.0	166.4	153.2	138.5	122.3	105.2	87.4	68.9	59.6	50.3
120°	180.3	171.0	160.2	147.8	133.1	117.6	101.4	83.6	65.8	56.5	48.0
122.5°	174.1	164.8	154.0	141.6	127.7	112.2	96.7	80.5	62.7	53.4	44.9
125°	166.4	157.1	147.0	134.6	121.5	106.8	92.1	76.6	58.8	50.3	42.6
127.5°	159.4	150.9	140.1	128.4	115.3	102.1	87.4	72.7	55.7	48.0	40.2
130°	150.9	142.4	132.3	121.5	109.9	95.9	82.8	68.1	52.6	44.9	37.1
132.5°	143.1	134.6	125.3	115.3	103.7	90.5	77.4	63.4	48.7	41.8	34.8
135°	134.6	126.1	117.6	107.6	96.7	85.1	72.7	58.8	45.7	38.7	31.7
137.5°	125.3	118.4	109.9	100.6	90.5	78.9	67.3	54.9	41.8	35.6	29.4
140°	116.8	109.9	102.1	93.6	82.8	72.7	61.9	50.3	38.7	31.7	27.1
142.5°	107.6	101.4	93.6	85.9	75.8	67.3	56.5	45.7	34.8	28.6	24.0
145°	99.0	92.1	85.9	78.2	68.9	61.1	51.1	41.0	31.0	26.3	20.9
147.5°	89.8	84.3	77.4	70.4	62.7	54.2	45.7	36.4	27.1	22.4	18.6
150°	79.7	75.1	69.6	62.7	55.7	48.7	40.2	31.7	23.2	19.3	15.5
152.5°	71.2	65.8	61.9	54.9	48.7	41.8	34.8	27.1	20.1	16.2	13.2
155°	61.1	57.3	52.6	48.0	41.8	36.4	29.4	23.2	16.2	13.2	10.1
157.5°	52.6	49.5	44.9	40.2	34.8	29.4	24.8	18.6	13.2	10.1	7.7
160°	43.3	40.2	36.4	33.3	28.6	24.0	19.3	14.7	10.1	7.7	5.4
162.5°	34.8	32.5	28.6	25.5	22.4	18.6	14.7	10.8	7.0	4.6	3.1
165°	25.5	24.0	21.7	18.6	16.2	13.2	10.1	7.0	3.9	3.1	2.3
167.5°	17.8	16.2	13.9	12.4	10.8	7.7	6.2	3.9	2.3	2.3	1.5
170°	10.1	8.5	7.7	6.2	5.4	3.9	2.3	2.3	1.5	1.5	1.5
172.5°	3.1	2.3	2.3	1.5	1.5	0.8	0.8	1.5	1.5	1.5	1.5
175°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	1.5	1.5	1.5
177.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	1.5	1.5	1.5
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: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1876.4	1876.4	1876.4	1876.4
2.5°	1871.7	1876.4	1879.5	1880.2
5°	1865.5	1871.0	1871.7	1874.8
7.5°	1854.7	1860.9	1862.4	1864.0
10°	1840.8	1845.4	1850.1	1851.6
12.5°	1823.0	1829.2	1830.0	1830.7
15°	1803.6	1805.2	1809.1	1808.3
17.5°	1775.8	1778.9	1783.5	1782.0
20°	1748.7	1751.0	1754.9	1751.8
22.5°	1718.5	1715.4	1718.5	1721.6
25°	1680.6	1680.6	1682.9	1680.6
27.5°	1642.7	1639.6	1638.1	1641.2
30°	1601.7	1595.5	1593.2	1596.3
32.5°	1554.5	1547.5	1547.5	1547.5
35°	1511.9	1505.0	1497.2	1495.7
37.5°	1460.1	1449.3	1443.1	1444.6
40°	1407.5	1393.5	1392.8	1386.6
42.5°	1348.7	1337.8	1333.2	1331.6
45°	1291.4	1274.4	1269.0	1266.7
47.5°	1226.4	1214.0	1204.0	1203.2
50°	1163.7	1151.4	1142.1	1142.1
52.5°	1095.6	1081.7	1071.7	1067.0
55°	1029.9	1009.0	996.6	1000.5
57.5°	955.6	935.5	921.6	919.2
60°	884.4	864.3	849.6	850.4
62.5°	801.6	790.8	771.4	768.3
65°	730.4	711.1	689.4	684.0
67.5°	642.2	629.8	610.5	605.9
70°	561.8	545.5	529.3	516.9
72.5°	479.0	458.1	448.0	440.3
75°	399.3	370.6	362.9	362.1
77.5°	316.5	292.5	281.6	270.0
80°	235.2	219.0	201.2	191.9
82.5°	166.4	143.9	124.6	120.7
85°	104.5	82.8	65.0	56.5
87.5°	62.7	41.0	25.5	17.0
90°	47.2	24.8	7.7	0.8
92.5°	45.7	24.0	7.0	0.8
95°	44.1	23.2	6.2	0.8
97.5°	43.3	22.4	6.2	0.8
100°	42.6	21.7	6.2	0.8
102.5°	41.0	20.9	5.4	0.8
105°	40.2	20.1	5.4	0.8
107.5°	38.7	19.3	5.4	0.8
110°	37.1	18.6	4.6	0.8



TEST NUMBER: P241625

CATALOG NUMBER: FVS8M-4-LD4-30-3STD-O-UNV-EDC1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
112.5°	35.6	17.8	4.6	0.8
115°	34.0	17.0	3.9	0.8
117.5°	31.7	15.5	3.1	0.8
120°	30.2	14.7	3.1	0.8
122.5°	28.6	13.9	2.3	0.8
125°	27.1	12.4	2.3	0.8
127.5°	25.5	11.6	1.5	0.8
130°	23.2	10.1	1.5	0.8
132.5°	21.7	9.3	1.5	0.8
135°	19.3	8.5	1.5	1.5
137.5°	17.8	7.0	1.5	1.5
140°	15.5	6.2	1.5	1.5
142.5°	13.9	4.6	1.5	1.5
145°	11.6	3.9	1.5	1.5
147.5°	10.1	3.1	1.5	1.5
150°	7.7	2.3	1.5	1.5
152.5°	6.2	2.3	1.5	1.5
155°	4.6	1.5	1.5	1.5
157.5°	3.1	1.5	1.5	1.5
160°	2.3	1.5	1.5	1.5
162.5°	2.3	1.5	2.3	2.3
165°	1.5	1.5	2.3	2.3
167.5°	1.5	2.3	2.3	2.3
170°	1.5	2.3	2.3	2.3
172.5°	1.5	2.3	2.3	2.3
175°	2.3	2.3	2.3	2.3
177.5°	2.3	2.3	2.3	2.3
180°	0.8	0.8	0.8	0.8

(END OF REPORT)