

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: P241629

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P241629
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-LD4-30-3HI-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

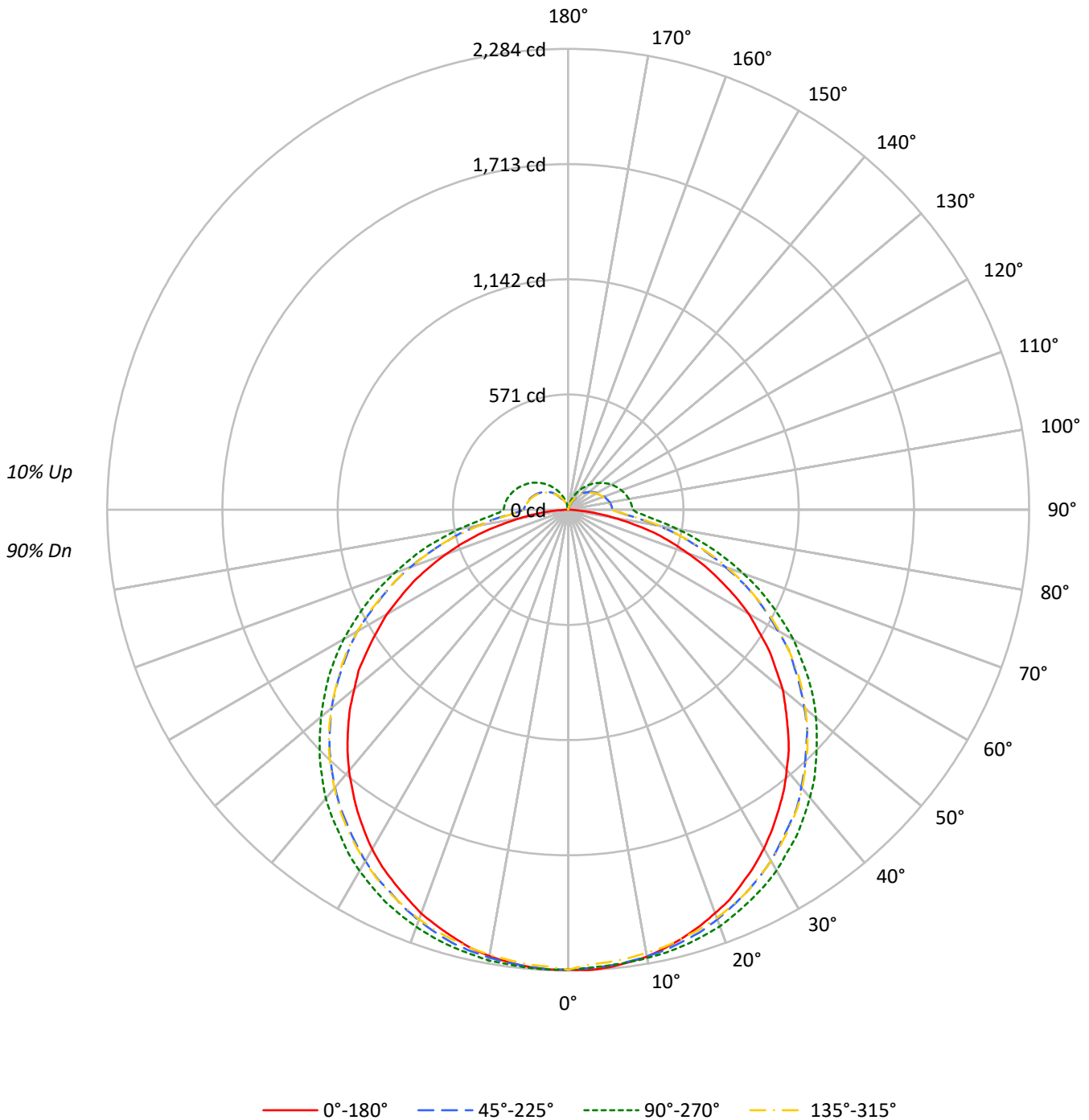
Lumens per Lamp: N/A
Luminaire Lumens: 8269.0 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.34 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.65' x L: 3.73' x H: 0.15')
CIE Type: Direct

Input Watts (W): 129.5
Input Voltage (V): 120
Input Current (A_{in}): 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°	10187	10187	10187	10187
5°	10183	9978	10166	10024
10°	10138	9846	10125	9899
15°	10059	9748	10050	9777
20°	9979	9658	9984	9671
25°	9887	9532	9878	9566
30°	9786	9428	9805	9437
35°	9649	9295	9674	9277
40°	9515	9138	9542	9165
45°	9359	8956	9388	8976
50°	9217	8780	9179	8760
55°	8969	8551	8955	8540
60°	8648	8281	8680	8250
65°	8107	7896	8254	7856
70°	7409	7436	7586	7368
75°	6629	6853	6629	6888
80°	4910	6163	5089	6153
85°	2431	5654	2863	5639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.2	2.6
10°-20°	625.8	7.6
20°-30°	965.4	11.7
30°-40°	1192.7	14.4
40°-50°	1279.7	15.5
50°-60°	1211.5	14.7
60°-70°	990.2	12.0
70°-80°	650.9	7.9
80°-90°	310.2	3.8
90°-100°	206.5	2.5
100°-110°	186.2	2.3
110°-120°	156.1	1.9
120°-130°	120.2	1.5
130°-140°	82.6	1.0
140°-150°	48.0	0.6
150°-160°	21.3	0.3
160°-170°	5.4	0.1
170°-180°	0.3	0.0
0°-30°	1807.3	21.9
0°-40°	3000.0	36.3
0°-60°	5491.2	66.4
0°-90°	7442.5	90.0
90°-120°	548.8	6.6
90°-150°	799.6	9.7
90°-180°	827.0	10.0
0°-180°	8269.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2279	2279	2279	2279	2279	
5°	2278	2268	2274	2278	2278	216
15°	2197	2234	2195	2241	2197	620
25°	2042	2136	2040	2144	2042	942
35°	1817	1973	1822	1969	1817	1138
45°	1539	1737	1543	1741	1539	1188
55°	1215	1451	1214	1449	1215	1082
65°	831	1108	846	1103	831	824
75°	440	731	440	735	440	457
85°	69	395	81	394	69	93
90°	1	319	3	320	1	3
95°	1	314	1	315	1	1
105°	1	294	1	295	1	1
115°	1	265	1	267	1	1
125°	1	228	1	230	1	1
135°	2	184	1	186	2	1
145°	2	136	2	137	2	1
155°	2	85	2	86	2	1
165°	3	37	3	37	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°	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4
2.5°	2284.1	2286.9	2291.6	2295.4	2296.3	2296.3	2294.4	2293.5	2286.9	2281.3	2274.7
5°	2277.5	2279.4	2286.0	2288.8	2289.7	2288.8	2286.0	2286.0	2280.3	2272.8	2270.0
7.5°	2264.3	2270.0	2271.9	2273.7	2275.6	2277.5	2275.6	2273.7	2270.0	2264.3	2260.6
10°	2249.3	2250.2	2254.0	2259.6	2259.6	2261.5	2259.6	2260.6	2255.9	2252.1	2247.4
12.5°	2223.9	2226.7	2230.5	2237.1	2239.0	2240.8	2239.0	2240.8	2236.1	2233.3	2235.2
15°	2196.7	2202.3	2203.2	2208.9	2213.6	2214.5	2215.5	2219.2	2213.6	2214.5	2212.6
17.5°	2164.7	2165.6	2171.3	2174.1	2180.7	2186.3	2183.5	2189.1	2189.1	2189.1	2192.0
20°	2128.1	2127.1	2131.8	2142.2	2147.8	2149.7	2151.5	2158.1	2159.1	2160.9	2160.9
22.5°	2091.4	2088.6	2091.4	2102.7	2105.5	2110.2	2117.7	2122.4	2121.5	2124.3	2126.2
25°	2041.6	2042.5	2047.2	2061.3	2065.1	2070.7	2074.5	2082.0	2083.9	2088.6	2091.4
27.5°	1993.6	1993.6	2002.1	2009.6	2017.1	2021.8	2028.4	2039.7	2039.7	2047.2	2051.9
30°	1939.1	1938.2	1947.6	1956.0	1967.3	1973.9	1979.5	1990.8	1994.6	2000.2	2009.6
32.5°	1879.9	1884.6	1893.1	1900.6	1914.7	1923.1	1931.6	1941.9	1948.5	1952.3	1957.9
35°	1816.9	1819.7	1832.0	1842.3	1856.4	1863.9	1874.3	1882.7	1894.9	1899.6	1908.1
37.5°	1754.9	1759.6	1769.0	1782.1	1799.1	1809.4	1813.2	1828.2	1832.0	1841.4	1862.0
40°	1684.4	1690.0	1707.9	1716.4	1734.2	1743.6	1751.1	1766.2	1775.6	1787.8	1796.2
42.5°	1617.7	1624.2	1629.9	1651.5	1668.4	1675.9	1683.5	1697.6	1709.8	1720.1	1734.2
45°	1538.7	1543.4	1558.4	1581.9	1596.0	1608.3	1613.9	1628.9	1645.9	1655.3	1667.5
47.5°	1461.6	1469.1	1481.4	1499.2	1516.1	1528.4	1542.5	1559.4	1578.2	1582.9	1606.4
50°	1387.4	1391.1	1400.5	1424.0	1442.8	1454.1	1462.6	1481.4	1495.5	1511.4	1527.4
52.5°	1296.2	1298.1	1316.9	1338.5	1364.8	1374.2	1381.7	1405.2	1418.4	1435.3	1448.5
55°	1215.4	1214.4	1233.2	1252.0	1278.3	1290.6	1297.1	1317.8	1335.7	1355.4	1369.5
57.5°	1116.7	1125.1	1143.0	1170.2	1192.8	1198.4	1209.7	1233.2	1251.1	1272.7	1296.2
60°	1033.0	1033.0	1049.9	1075.3	1094.1	1112.9	1126.1	1146.7	1163.7	1181.5	1199.4
62.5°	933.4	934.3	956.9	975.7	1002.0	1017.0	1028.3	1053.7	1075.3	1090.3	1109.1
65°	830.9	839.4	866.6	881.7	914.6	921.2	936.2	959.7	979.4	999.2	1024.5
67.5°	736.0	743.5	758.5	783.0	816.8	824.3	839.4	863.8	892.0	899.5	928.7
70°	627.9	644.8	658.0	684.3	717.2	723.8	741.6	763.2	792.4	811.2	825.3
72.5°	534.8	542.4	564.0	581.8	606.3	623.2	647.6	664.5	690.9	707.8	732.2
75°	439.9	436.1	457.8	485.0	514.2	522.6	534.8	564.9	590.3	613.8	634.5
77.5°	328.0	334.6	361.9	393.8	421.1	426.7	442.7	467.2	493.5	517.9	547.1
80°	233.1	242.5	257.5	297.0	321.5	337.4	351.5	375.0	398.5	433.3	448.4
82.5°	146.6	155.1	177.7	207.7	233.1	248.1	266.0	289.5	313.9	344.0	360.9
85°	68.6	80.8	103.4	134.4	157.9	176.7	188.0	218.1	244.4	270.7	289.5
87.5°	20.7	29.1	53.6	79.9	109.0	123.1	137.2	166.4	195.5	219.9	240.6
90°	0.9	10.3	32.0	60.2	90.2	104.3	118.4	146.6	173.0	199.3	220.9
92.5°	0.9	9.4	31.0	58.3	87.4	101.5	116.6	143.8	170.1	195.5	218.1
95°	0.9	9.4	30.1	57.3	85.5	99.6	114.7	141.9	168.3	192.7	215.2
97.5°	0.9	9.4	29.1	55.5	83.7	97.8	111.9	139.1	165.4	189.9	212.4
100°	0.9	8.5	29.1	54.5	81.8	94.9	110.0	136.3	162.6	186.1	209.6
102.5°	0.9	8.5	28.2	52.6	79.9	93.1	107.2	133.5	157.9	182.4	204.0
105°	0.9	7.5	27.3	51.7	77.1	90.2	104.3	129.7	154.2	177.7	199.3
107.5°	0.9	7.5	26.3	49.8	75.2	88.4	101.5	126.0	150.4	173.0	194.6
110°	0.9	6.6	25.4	47.9	72.4	85.5	98.7	123.1	146.6	169.2	189.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.9	6.6	23.5	46.1	70.5	82.7	94.9	119.4	141.9	164.5	184.2
115°	0.9	5.6	22.6	44.2	67.7	79.9	91.2	114.7	137.2	157.9	177.7
117.5°	0.9	5.6	21.6	42.3	64.9	76.1	88.4	110.0	132.5	152.3	173.0
120°	0.9	4.7	20.7	40.4	62.0	73.3	84.6	106.2	126.9	146.6	165.4
122.5°	0.9	3.8	18.8	38.5	59.2	69.6	79.9	100.6	121.3	141.0	157.9
125°	0.9	2.8	17.9	35.7	55.5	65.8	76.1	96.8	115.6	134.4	151.3
127.5°	0.9	2.8	16.0	33.8	52.6	62.0	72.4	91.2	110.0	127.8	143.8
130°	0.9	1.9	14.1	30.1	48.9	58.3	67.7	86.5	103.4	121.3	136.3
132.5°	0.9	1.9	12.2	27.3	44.2	52.6	63.0	80.8	97.8	113.7	128.8
135°	1.9	1.9	10.3	24.4	39.5	47.9	56.4	73.3	90.2	106.2	120.3
137.5°	1.9	1.9	8.5	20.7	34.8	42.3	50.8	65.8	81.8	98.7	111.9
140°	1.9	1.9	7.5	17.9	30.1	37.6	44.2	58.3	72.4	87.4	102.5
142.5°	1.9	1.9	5.6	15.0	26.3	32.0	38.5	51.7	63.9	77.1	91.2
145°	1.9	1.9	4.7	13.2	22.6	28.2	32.9	44.2	55.5	67.7	80.8
147.5°	1.9	1.9	3.8	10.3	18.8	23.5	29.1	37.6	48.9	59.2	68.6
150°	1.9	1.9	2.8	8.5	16.0	19.7	24.4	32.0	41.4	50.8	59.2
152.5°	1.9	1.9	2.8	7.5	13.2	16.0	19.7	27.3	33.8	42.3	49.8
155°	1.9	1.9	2.8	5.6	10.3	13.2	16.9	22.6	28.2	34.8	41.4
157.5°	1.9	1.9	1.9	3.8	8.5	11.3	13.2	17.9	23.5	27.3	32.0
160°	1.9	1.9	1.9	2.8	6.6	8.5	10.3	14.1	17.9	21.6	26.3
162.5°	2.8	2.8	2.8	2.8	4.7	5.6	7.5	10.3	14.1	16.9	18.8
165°	2.8	2.8	2.8	2.8	2.8	3.8	4.7	7.5	9.4	12.2	14.1
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	3.8	4.7	6.6	7.5	9.4
170°	2.8	2.8	2.8	2.8	2.8	1.9	1.9	2.8	2.8	3.8	4.7
172.5°	2.8	2.8	2.8	2.8	2.8	1.9	1.9	1.9	1.9	1.9	1.9
175°	2.8	2.8	2.8	2.8	2.8	1.9	1.9	1.9	1.9	0.9	0.9
177.5°	2.8	2.8	2.8	2.8	2.8	2.8	1.9	1.9	1.9	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4
2.5°	2270.0	2270.9	2273.7	2273.7	2273.7	2274.7	2273.7	2272.8	2270.9	2272.8	2270.0
5°	2265.3	2266.2	2268.1	2270.9	2270.9	2270.9	2272.8	2269.0	2269.0	2268.1	2267.2
7.5°	2257.8	2258.7	2262.5	2264.3	2264.3	2265.3	2266.2	2266.2	2263.4	2263.4	2261.5
10°	2246.5	2251.2	2253.1	2256.8	2254.9	2257.8	2258.7	2256.8	2254.9	2255.9	2255.9
12.5°	2233.3	2239.9	2239.9	2247.4	2246.5	2245.5	2247.4	2247.4	2246.5	2247.4	2247.4
15°	2216.4	2222.0	2225.8	2232.4	2231.4	2231.4	2236.1	2237.1	2234.3	2234.3	2232.4
17.5°	2193.8	2196.7	2206.1	2208.9	2210.8	2212.6	2215.5	2217.3	2216.4	2216.4	2213.6
20°	2165.6	2172.2	2182.6	2181.6	2192.0	2192.0	2192.0	2192.9	2194.8	2197.6	2192.9
22.5°	2131.8	2143.1	2151.5	2157.2	2159.1	2160.9	2164.7	2168.5	2167.5	2167.5	2168.5
25°	2097.0	2109.3	2115.8	2127.1	2130.9	2129.0	2136.5	2138.4	2138.4	2136.5	2138.4
27.5°	2058.5	2071.7	2082.9	2083.9	2089.5	2092.3	2096.1	2102.7	2102.7	2103.6	2100.8
30°	2016.2	2030.3	2037.8	2044.4	2048.2	2048.2	2058.5	2060.4	2059.4	2065.1	2064.1
32.5°	1970.1	1986.1	1992.7	2002.1	2006.8	2006.8	2012.4	2019.0	2016.2	2016.2	2018.1
35°	1918.4	1932.5	1941.0	1952.3	1954.2	1957.0	1963.6	1971.1	1973.9	1973.0	1970.1
37.5°	1871.4	1876.1	1891.2	1899.6	1900.6	1904.3	1911.9	1917.5	1915.6	1918.4	1917.5
40°	1809.4	1819.7	1832.9	1843.2	1848.9	1847.0	1854.5	1859.2	1862.0	1863.0	1866.7
42.5°	1751.1	1765.2	1773.7	1784.0	1787.8	1787.8	1792.5	1796.2	1800.9	1805.6	1800.9
45°	1685.3	1696.6	1708.8	1718.2	1725.8	1727.6	1731.4	1730.5	1735.2	1737.0	1743.6
47.5°	1615.8	1630.8	1640.2	1649.6	1653.4	1660.0	1667.5	1668.4	1675.0	1670.3	1675.9
50°	1547.2	1559.4	1571.6	1582.9	1586.6	1585.7	1589.5	1594.2	1598.9	1602.6	1599.8
52.5°	1467.3	1481.4	1493.6	1503.0	1511.4	1509.6	1520.8	1517.1	1527.4	1531.2	1525.5
55°	1384.5	1407.1	1416.5	1425.0	1425.9	1433.4	1449.4	1442.8	1446.6	1451.3	1447.5
57.5°	1302.8	1317.8	1331.0	1342.3	1345.1	1354.5	1358.2	1361.1	1365.7	1366.7	1371.4
60°	1224.8	1230.4	1247.3	1259.5	1264.2	1265.2	1282.1	1279.3	1285.9	1288.7	1284.9
62.5°	1128.9	1145.8	1159.9	1174.0	1174.0	1181.5	1188.1	1186.2	1193.7	1198.4	1201.3
65°	1035.8	1052.7	1066.8	1078.1	1082.8	1091.3	1094.1	1096.0	1104.4	1108.2	1108.2
67.5°	940.0	963.5	971.9	982.2	990.7	993.5	1004.8	1008.6	1013.3	1018.9	1020.8
70°	846.0	872.3	880.7	891.1	893.9	902.4	909.9	917.4	915.5	922.1	926.8
72.5°	755.7	773.6	782.0	795.2	803.7	811.2	817.8	825.3	829.0	827.2	832.8
75°	658.0	676.8	685.2	704.0	705.9	713.4	725.6	730.3	732.2	731.3	733.2
77.5°	566.8	581.8	591.2	608.1	616.6	618.5	634.5	634.5	640.1	638.2	642.0
80°	467.2	486.9	508.5	520.7	529.2	528.3	536.7	543.3	546.1	546.1	548.9
82.5°	387.3	402.3	423.0	436.1	440.8	446.5	457.8	462.5	468.1	462.5	470.9
85°	317.7	334.6	350.6	360.9	365.6	375.0	384.4	386.3	394.8	394.8	393.8
87.5°	262.2	280.1	296.1	310.2	316.8	320.5	330.9	335.6	339.3	342.1	340.3
90°	241.6	260.4	276.3	289.5	296.1	300.8	309.2	314.9	317.7	318.6	317.7
92.5°	238.7	256.6	272.6	286.7	292.3	298.0	306.4	312.1	315.8	316.8	314.9
95°	235.9	254.7	270.7	283.9	289.5	295.1	303.6	309.2	313.0	313.9	312.1
97.5°	234.0	251.0	267.9	281.0	286.7	291.4	300.8	306.4	309.2	310.2	309.2
100°	230.3	247.2	263.2	276.3	282.0	286.7	295.1	301.7	304.5	305.5	304.5
102.5°	224.6	242.5	257.5	270.7	276.3	282.0	289.5	295.1	298.9	299.8	298.9
105°	219.9	237.8	252.8	265.1	270.7	276.3	283.9	289.5	293.3	294.2	292.3
107.5°	214.3	232.2	247.2	260.4	266.0	270.7	278.2	283.9	286.7	287.6	285.7
110°	208.7	226.5	241.6	253.8	259.4	263.2	271.6	276.3	280.1	281.0	279.2



TEST NUMBER: P241629

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	202.1	219.0	234.0	246.3	251.0	256.6	263.2	268.8	272.6	273.5	271.6
115°	195.5	211.5	227.5	239.7	244.4	249.1	256.6	261.3	264.1	265.1	264.1
117.5°	189.9	204.9	219.0	231.2	235.9	240.6	248.1	252.8	256.6	256.6	255.7
120°	182.4	197.4	210.5	221.8	228.4	231.2	238.7	244.4	247.2	247.2	247.2
122.5°	175.8	189.9	204.0	214.3	219.0	222.8	230.3	235.9	238.7	238.7	236.9
125°	167.3	181.4	193.6	204.9	208.7	212.4	219.9	224.6	227.5	228.4	226.5
127.5°	158.9	173.0	185.2	194.6	200.2	204.0	209.6	214.3	218.1	218.1	216.2
130°	150.4	163.6	175.8	185.2	189.9	192.7	199.3	204.9	206.8	206.8	205.8
132.5°	141.9	155.1	166.4	174.8	179.5	182.4	188.0	192.7	195.5	196.4	194.6
135°	133.5	145.7	156.0	165.4	168.3	172.0	176.7	181.4	183.3	184.2	182.4
137.5°	125.0	136.3	145.7	154.2	157.9	160.7	166.4	170.1	172.0	173.0	171.1
140°	115.6	126.0	135.4	143.8	147.6	149.5	155.1	157.9	160.7	160.7	158.9
142.5°	106.2	116.6	125.0	132.5	135.4	138.2	142.9	146.6	147.6	147.6	147.6
145°	94.9	106.2	114.7	122.2	125.0	126.9	130.7	133.5	135.4	136.3	134.4
147.5°	82.7	93.1	103.4	110.0	112.8	115.6	118.4	122.2	123.1	123.1	121.3
150°	69.6	79.9	91.2	98.7	102.5	103.4	106.2	108.1	110.9	110.9	110.0
152.5°	58.3	67.7	78.0	87.4	89.3	92.1	94.0	96.8	97.8	97.8	96.8
155°	48.9	56.4	63.9	73.3	78.0	79.9	82.7	84.6	85.5	84.6	84.6
157.5°	38.5	45.1	51.7	59.2	65.8	67.7	70.5	72.4	73.3	72.4	72.4
160°	30.1	34.8	39.5	47.0	49.8	54.5	58.3	59.2	60.2	60.2	59.2
162.5°	22.6	26.3	29.1	33.8	37.6	40.4	46.1	47.9	47.9	48.9	47.0
165°	16.0	17.9	20.7	23.5	25.4	27.3	32.9	35.7	35.7	36.7	35.7
167.5°	10.3	11.3	13.2	15.0	16.0	17.9	19.7	23.5	25.4	25.4	24.4
170°	5.6	5.6	6.6	7.5	8.5	8.5	9.4	13.2	14.1	14.1	13.2
172.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8	4.7	4.7	3.8
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: P241629

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

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4
2.5°	2271.9	2270.0	2272.8	2273.7	2271.9	2268.1	2264.3	2261.5	2257.8	2256.8	2256.8
5°	2267.2	2266.2	2268.1	2268.1	2268.1	2266.2	2260.6	2256.8	2251.2	2249.3	2251.2
7.5°	2261.5	2261.5	2263.4	2262.5	2260.6	2258.7	2252.1	2247.4	2242.7	2240.8	2240.8
10°	2253.1	2252.1	2253.1	2251.2	2251.2	2247.4	2242.7	2235.2	2230.5	2228.6	2228.6
12.5°	2244.6	2240.8	2239.9	2242.7	2239.9	2235.2	2225.8	2221.1	2218.3	2209.8	2208.9
15°	2230.5	2225.8	2226.7	2224.9	2227.7	2222.0	2211.7	2207.0	2196.7	2190.1	2189.1
17.5°	2210.8	2210.8	2209.8	2207.9	2206.1	2199.5	2192.9	2186.3	2178.8	2171.3	2160.9
20°	2188.2	2189.1	2187.3	2188.2	2187.3	2176.0	2169.4	2159.1	2153.4	2143.1	2135.6
22.5°	2164.7	2162.8	2160.0	2158.1	2159.1	2151.5	2142.2	2131.8	2123.4	2111.1	2103.6
25°	2136.5	2134.6	2129.9	2129.0	2129.0	2119.6	2111.1	2096.1	2092.3	2079.2	2066.0
27.5°	2098.0	2096.1	2094.2	2091.4	2089.5	2084.8	2076.4	2060.4	2050.0	2038.8	2025.6
30°	2055.7	2059.4	2052.9	2051.0	2046.3	2046.3	2035.0	2021.8	2010.6	1993.6	1981.4
32.5°	2013.4	2015.3	2013.4	2009.6	2003.0	2001.2	1988.0	1976.7	1964.5	1946.6	1931.6
35°	1967.3	1964.5	1966.4	1955.1	1959.8	1948.5	1936.3	1929.7	1914.7	1897.8	1882.7
37.5°	1916.6	1914.7	1909.0	1903.4	1900.6	1897.8	1882.7	1872.4	1864.9	1843.2	1825.4
40°	1856.4	1859.2	1855.5	1854.5	1846.1	1842.3	1825.4	1814.1	1803.8	1784.0	1767.1
42.5°	1800.0	1804.7	1790.6	1792.5	1787.8	1776.5	1767.1	1757.7	1738.9	1728.6	1702.3
45°	1738.0	1733.3	1730.5	1720.1	1720.1	1714.5	1700.4	1694.7	1675.9	1659.0	1636.5
47.5°	1666.5	1672.2	1659.0	1660.0	1658.1	1647.7	1631.8	1627.1	1605.4	1594.2	1566.9
50°	1599.8	1594.2	1590.4	1592.3	1580.1	1578.2	1566.0	1550.9	1534.0	1519.9	1499.2
52.5°	1521.8	1522.7	1522.7	1512.4	1512.4	1497.3	1484.2	1472.9	1459.7	1438.1	1424.0
55°	1448.5	1446.6	1440.9	1439.1	1425.9	1419.3	1407.1	1390.2	1381.7	1362.0	1346.0
57.5°	1371.4	1366.7	1360.1	1349.8	1347.0	1338.5	1325.3	1310.3	1295.3	1278.3	1267.1
60°	1284.9	1283.0	1273.6	1267.1	1263.3	1253.0	1244.5	1232.3	1210.7	1192.8	1174.9
62.5°	1195.6	1194.7	1190.0	1181.5	1179.6	1168.4	1153.3	1136.4	1121.4	1104.4	1083.8
65°	1103.5	1097.9	1090.3	1089.4	1080.9	1075.3	1067.8	1044.3	1025.5	1009.5	990.7
67.5°	1018.0	1013.3	998.2	998.2	991.6	982.2	968.2	958.8	931.5	915.5	893.9
70°	919.3	920.2	913.6	908.9	895.8	882.6	876.0	863.8	841.3	817.8	801.8
72.5°	824.3	819.6	810.2	806.5	803.7	794.3	775.5	756.7	739.7	723.8	693.7
75°	730.3	724.7	710.6	715.3	707.8	695.6	685.2	663.6	642.0	622.2	599.7
77.5°	635.4	625.1	620.4	619.4	617.5	600.6	583.7	564.9	545.2	536.7	500.1
80°	549.9	535.8	529.2	531.1	522.6	506.6	496.3	478.4	457.8	436.1	408.9
82.5°	460.6	458.7	446.5	441.8	435.2	425.8	409.8	391.0	369.4	348.7	324.3
85°	389.1	381.6	381.6	366.6	364.7	350.6	335.6	317.7	294.2	269.8	247.2
87.5°	338.4	329.0	322.4	314.9	310.2	298.9	280.1	261.3	239.7	222.8	192.7
90°	313.0	307.4	297.0	291.4	285.7	270.7	253.8	235.9	215.2	191.8	169.2
92.5°	310.2	303.6	294.2	288.6	282.9	267.9	251.0	233.1	211.5	188.9	164.5
95°	308.3	300.8	291.4	285.7	280.1	265.1	249.1	230.3	209.6	186.1	162.6
97.5°	304.5	298.0	288.6	282.9	276.3	262.2	246.3	227.5	206.8	183.3	159.8
100°	299.8	292.3	283.9	278.2	272.6	258.5	241.6	222.8	202.1	180.5	157.0
102.5°	294.2	288.6	278.2	272.6	266.9	252.8	236.9	218.1	198.3	176.7	153.2
105°	288.6	282.0	273.5	267.9	261.3	248.1	232.2	213.4	193.6	172.0	149.5
107.5°	283.9	276.3	266.9	261.3	255.7	242.5	226.5	208.7	188.9	167.3	145.7
110°	276.3	269.8	260.4	254.7	249.1	235.9	219.9	203.0	184.2	162.6	141.0



TEST NUMBER: P241629

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

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	267.9	261.3	251.9	247.2	241.6	228.4	213.4	196.4	178.6	157.9	136.3
115°	260.4	253.8	245.3	240.6	235.0	221.8	206.8	189.9	173.0	152.3	131.6
117.5°	251.9	245.3	236.9	232.2	226.5	213.4	200.2	184.2	166.4	146.6	126.9
120°	242.5	235.9	228.4	223.7	218.1	205.8	192.7	176.7	159.8	141.0	121.3
122.5°	233.1	227.5	219.0	214.3	209.6	198.3	185.2	170.1	153.2	135.4	116.6
125°	222.8	217.1	209.6	204.9	200.2	189.9	176.7	162.6	145.7	128.8	110.0
127.5°	212.4	207.7	200.2	195.5	190.8	180.5	168.3	154.2	139.1	122.2	104.3
130°	202.1	196.4	189.9	186.1	180.5	171.1	159.8	145.7	131.6	115.6	98.7
132.5°	190.8	186.1	179.5	175.8	172.0	161.7	150.4	138.2	123.1	108.1	93.1
135°	179.5	174.8	170.1	165.4	160.7	152.3	141.0	128.8	115.6	101.5	86.5
137.5°	168.3	163.6	158.9	155.1	150.4	141.9	132.5	120.3	107.2	94.9	80.8
140°	157.0	152.3	147.6	143.8	140.1	132.5	122.2	111.9	99.6	86.5	73.3
142.5°	144.8	141.0	135.4	132.5	128.8	121.3	112.8	102.5	91.2	79.0	67.7
145°	132.5	128.8	124.1	121.3	117.5	110.9	103.4	93.1	82.7	72.4	61.1
147.5°	120.3	116.6	111.9	110.0	106.2	101.5	93.1	83.7	75.2	63.9	53.6
150°	107.2	105.3	100.6	97.8	95.9	89.3	82.7	74.3	66.7	57.3	47.9
152.5°	95.9	93.1	88.4	86.5	84.6	79.0	73.3	64.9	58.3	49.8	41.4
155°	82.7	80.8	77.1	75.2	73.3	67.7	63.0	56.4	49.8	42.3	34.8
157.5°	71.4	69.6	65.8	63.9	62.0	58.3	52.6	47.9	41.4	34.8	28.2
160°	58.3	56.4	54.5	52.6	51.7	47.9	42.3	38.5	33.8	28.2	21.6
162.5°	46.1	46.1	43.2	42.3	40.4	37.6	33.8	29.1	25.4	21.6	16.0
165°	34.8	33.8	32.0	31.0	30.1	27.3	24.4	22.6	18.8	15.0	10.3
167.5°	23.5	22.6	21.6	21.6	20.7	18.8	16.0	13.2	11.3	8.5	6.6
170°	13.2	12.2	12.2	11.3	11.3	9.4	8.5	6.6	5.6	3.8	2.8
172.5°	3.8	3.8	3.8	3.8	2.8	1.9	1.9	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: P241629

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

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4
2.5°	2257.8	2259.6	2259.6	2258.7	2267.2	2271.9	2276.6	2281.3	2286.0	2289.7	2294.4
5°	2249.3	2252.1	2251.2	2253.1	2256.8	2267.2	2270.9	2273.7	2278.4	2283.1	2288.8
7.5°	2239.9	2240.8	2239.9	2239.0	2247.4	2254.0	2257.8	2262.5	2268.1	2270.9	2275.6
10°	2225.8	2224.9	2224.9	2224.9	2230.5	2237.1	2241.8	2246.5	2250.2	2254.0	2256.8
12.5°	2206.1	2207.9	2203.2	2205.1	2206.1	2213.6	2219.2	2225.8	2226.7	2231.4	2233.3
15°	2185.4	2183.5	2183.5	2181.6	2181.6	2187.3	2191.0	2194.8	2200.4	2206.1	2209.8
17.5°	2158.1	2154.4	2152.5	2154.4	2151.5	2154.4	2160.0	2162.8	2168.5	2169.4	2179.7
20°	2127.1	2128.1	2121.5	2116.8	2115.8	2120.5	2121.5	2129.0	2132.8	2133.7	2141.2
22.5°	2093.3	2087.6	2083.9	2082.0	2081.1	2081.1	2081.1	2083.9	2089.5	2092.3	2099.9
25°	2056.6	2047.2	2044.4	2041.6	2035.0	2034.1	2036.9	2039.7	2043.5	2050.0	2055.7
27.5°	2013.4	2004.9	2002.1	1995.5	1987.1	1989.9	1989.9	1995.5	1994.6	2000.2	2007.7
30°	1964.5	1957.0	1950.4	1949.5	1934.4	1939.1	1933.5	1942.9	1941.0	1950.4	1958.9
32.5°	1920.3	1907.2	1896.8	1894.0	1881.8	1879.9	1879.0	1882.7	1882.7	1891.2	1906.2
35°	1866.7	1851.7	1839.5	1838.5	1820.7	1821.6	1815.0	1821.6	1823.5	1832.0	1847.0
37.5°	1805.6	1789.7	1783.1	1780.3	1760.5	1758.6	1753.9	1754.9	1759.6	1769.9	1781.2
40°	1744.6	1730.5	1722.0	1720.1	1702.3	1691.0	1683.5	1689.1	1688.2	1704.1	1717.3
42.5°	1683.5	1664.7	1654.3	1648.7	1636.5	1623.3	1615.8	1617.7	1622.4	1631.8	1651.5
45°	1621.4	1599.8	1587.6	1583.8	1560.3	1550.0	1542.5	1543.4	1547.2	1565.0	1575.4
47.5°	1548.1	1527.4	1516.1	1507.7	1487.0	1475.7	1464.4	1467.3	1471.0	1485.1	1504.9
50°	1473.8	1451.3	1440.0	1432.5	1416.5	1392.1	1382.7	1381.7	1387.4	1408.0	1430.6
52.5°	1401.5	1375.1	1364.8	1354.5	1330.0	1312.2	1304.7	1308.4	1311.2	1317.8	1344.1
55°	1322.5	1296.2	1282.1	1277.4	1246.4	1235.1	1221.0	1213.5	1220.1	1237.9	1264.2
57.5°	1241.7	1210.7	1197.5	1190.9	1159.9	1151.4	1130.8	1123.2	1129.8	1147.7	1173.1
60°	1148.6	1127.0	1108.2	1100.7	1076.2	1050.9	1036.8	1036.8	1046.2	1053.7	1080.0
62.5°	1061.2	1031.1	1026.4	1003.9	979.4	960.6	943.7	937.1	949.4	967.2	988.8
65°	965.3	934.3	928.7	911.8	886.4	863.8	855.4	846.0	851.6	863.8	886.4
67.5°	874.2	842.2	828.1	813.1	796.1	767.0	745.4	743.5	748.2	775.5	789.6
70°	775.5	745.4	735.0	729.4	694.6	666.4	650.4	642.9	652.3	679.6	697.4
72.5°	672.1	653.3	632.6	622.2	594.0	564.0	546.1	543.3	552.7	569.6	594.0
75°	575.3	546.1	536.7	524.5	494.4	464.3	444.6	439.9	451.2	468.1	493.5
77.5°	479.4	448.4	439.0	423.9	396.7	369.4	345.0	335.6	352.5	370.3	400.4
80°	386.3	361.9	347.8	333.7	306.4	279.2	251.0	241.6	256.6	277.3	298.0
82.5°	296.1	269.8	251.0	239.7	214.3	188.9	167.3	161.7	172.0	192.7	214.3
85°	219.9	193.6	178.6	165.4	142.9	109.0	89.3	80.8	90.2	111.9	139.1
87.5°	169.2	140.1	125.0	113.7	81.8	58.3	33.8	27.3	37.6	56.4	86.5
90°	141.9	114.7	100.6	86.5	57.3	31.0	11.3	2.8	13.2	34.8	63.0
92.5°	138.2	110.9	96.8	82.7	54.5	28.2	8.5	0.9	10.3	31.0	58.3
95°	136.3	109.0	94.9	80.8	52.6	27.3	7.5	0.9	9.4	30.1	57.3
97.5°	134.4	106.2	93.1	79.0	51.7	27.3	7.5	0.9	9.4	29.1	55.5
100°	131.6	103.4	90.2	77.1	50.8	26.3	7.5	0.9	9.4	29.1	54.5
102.5°	127.8	101.5	88.4	75.2	48.9	25.4	6.6	0.9	8.5	28.2	53.6
105°	124.1	98.7	86.5	73.3	47.0	24.4	6.6	0.9	8.5	27.3	51.7
107.5°	121.3	95.9	83.7	70.5	45.1	23.5	5.6	0.9	7.5	26.3	49.8
110°	117.5	93.1	80.8	68.6	44.2	22.6	5.6	0.9	7.5	25.4	47.9



TEST NUMBER: P241629

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

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	113.7	89.3	78.0	65.8	42.3	20.7	4.7	0.9	6.6	24.4	46.1
115°	109.0	86.5	75.2	63.0	40.4	19.7	4.7	0.9	6.6	23.5	45.1
117.5°	105.3	82.7	71.4	60.2	37.6	18.8	3.8	0.9	5.6	21.6	42.3
120°	100.6	78.0	67.7	56.4	35.7	17.9	2.8	0.9	5.6	20.7	40.4
122.5°	95.9	74.3	63.9	53.6	33.8	16.0	2.8	0.9	4.7	19.7	38.5
125°	91.2	70.5	60.2	50.8	32.0	15.0	1.9	0.9	4.7	17.9	36.7
127.5°	86.5	66.7	57.3	47.9	30.1	13.2	1.9	0.9	3.8	16.9	34.8
130°	80.8	62.0	53.6	44.2	27.3	12.2	1.9	0.9	2.8	15.0	31.0
132.5°	76.1	57.3	49.8	41.4	25.4	10.3	1.9	0.9	2.8	13.2	28.2
135°	70.5	53.6	46.1	38.5	22.6	9.4	0.9	0.9	1.9	11.3	24.4
137.5°	64.9	49.8	42.3	34.8	20.7	7.5	1.9	1.9	1.9	9.4	21.6
140°	59.2	45.1	37.6	31.0	17.9	6.6	1.9	1.9	1.9	8.5	18.8
142.5°	53.6	40.4	33.8	28.2	16.0	4.7	1.9	1.9	1.9	6.6	16.0
145°	48.9	36.7	30.1	24.4	13.2	3.8	1.9	1.9	1.9	5.6	13.2
147.5°	43.2	32.0	26.3	21.6	11.3	2.8	1.9	1.9	1.9	4.7	11.3
150°	37.6	27.3	22.6	17.9	8.5	1.9	1.9	1.9	1.9	3.8	10.3
152.5°	32.0	22.6	18.8	15.0	6.6	1.9	1.9	1.9	1.9	3.8	8.5
155°	26.3	18.8	15.0	11.3	4.7	1.9	1.9	1.9	1.9	2.8	6.6
157.5°	21.6	15.0	12.2	8.5	2.8	1.9	1.9	1.9	1.9	2.8	5.6
160°	16.9	10.3	8.5	5.6	1.9	1.9	1.9	1.9	1.9	2.8	3.8
162.5°	12.2	7.5	4.7	3.8	1.9	1.9	1.9	2.8	1.9	1.9	3.8
165°	7.5	3.8	2.8	1.9	1.9	1.9	1.9	2.8	2.8	1.9	2.8
167.5°	3.8	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8
170°	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	2.8
172.5°	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	2.8
175°	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	2.8
177.5°	1.9	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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: P241629

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

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4
2.5°	2294.4	2295.4	2295.4	2295.4	2290.7	2283.1	2280.3	2273.7	2275.6	2279.4	2279.4
5°	2289.7	2290.7	2288.8	2287.8	2283.1	2274.7	2272.8	2270.0	2268.1	2274.7	2274.7
7.5°	2277.5	2276.6	2277.5	2278.4	2274.7	2268.1	2264.3	2260.6	2263.4	2268.1	2269.0
10°	2260.6	2262.5	2262.5	2261.5	2259.6	2254.9	2254.0	2251.2	2254.0	2257.8	2261.5
12.5°	2239.0	2241.8	2241.8	2243.7	2241.8	2237.1	2239.9	2236.1	2241.8	2250.2	2251.2
15°	2214.5	2215.5	2215.5	2221.1	2221.1	2220.2	2222.0	2221.1	2227.7	2231.4	2233.3
17.5°	2185.4	2185.4	2190.1	2196.7	2197.6	2190.1	2195.7	2196.7	2200.4	2208.9	2214.5
20°	2148.7	2155.3	2153.4	2160.9	2160.9	2161.9	2165.6	2169.4	2175.0	2179.7	2191.0
22.5°	2108.3	2115.8	2115.8	2120.5	2127.1	2130.9	2131.8	2136.5	2144.0	2158.1	2157.2
25°	2069.8	2069.8	2076.4	2081.1	2082.9	2093.3	2089.5	2104.6	2110.2	2121.5	2123.4
27.5°	2022.8	2023.7	2032.2	2040.6	2042.5	2045.3	2055.7	2060.4	2072.6	2078.2	2088.6
30°	1971.1	1979.5	1982.4	1994.6	1998.3	2004.9	2010.6	2018.1	2032.2	2036.9	2044.4
32.5°	1916.6	1927.8	1930.7	1941.0	1944.8	1955.1	1959.8	1966.4	1981.4	1991.8	2001.2
35°	1856.4	1865.8	1873.3	1888.4	1894.0	1900.6	1907.2	1920.3	1936.3	1941.0	1949.5
37.5°	1797.2	1807.5	1815.0	1828.2	1835.7	1847.9	1856.4	1864.9	1878.0	1889.3	1895.9
40°	1736.1	1746.4	1749.3	1767.1	1774.6	1788.7	1797.2	1811.3	1821.6	1832.9	1847.9
42.5°	1667.5	1677.8	1682.5	1700.4	1713.5	1720.1	1736.1	1747.4	1763.3	1769.9	1779.3
45°	1598.9	1606.4	1613.9	1630.8	1644.9	1653.4	1672.2	1681.6	1692.9	1706.0	1713.5
47.5°	1521.8	1531.2	1538.7	1558.4	1572.5	1588.5	1600.7	1613.9	1628.9	1637.4	1653.4
50°	1446.6	1456.0	1462.6	1483.2	1497.3	1509.6	1530.2	1548.1	1556.6	1568.8	1578.2
52.5°	1364.8	1378.0	1386.4	1409.0	1424.0	1438.1	1450.3	1469.1	1475.7	1497.3	1506.7
55°	1277.4	1291.5	1304.7	1322.5	1335.7	1362.9	1367.6	1388.3	1405.2	1416.5	1421.2
57.5°	1191.9	1203.1	1219.1	1237.9	1259.5	1274.6	1287.7	1302.8	1313.1	1325.3	1341.3
60°	1103.5	1121.4	1122.3	1144.9	1162.7	1186.2	1206.0	1215.4	1234.2	1241.7	1253.0
62.5°	1012.3	1018.9	1038.6	1060.3	1072.5	1096.0	1109.1	1129.8	1142.0	1159.9	1172.1
65°	911.8	928.7	945.6	956.9	982.2	998.2	1015.1	1035.8	1046.2	1069.7	1075.3
67.5°	818.7	834.7	840.3	863.8	884.5	909.9	927.7	944.7	955.9	971.0	990.7
70°	726.6	736.9	744.4	769.8	792.4	811.2	830.9	853.5	866.6	877.9	887.3
72.5°	621.3	628.8	649.5	668.3	691.8	714.4	734.1	753.8	768.9	781.1	792.4
75°	517.9	529.2	552.7	577.1	596.9	625.1	636.3	656.1	668.3	689.9	697.4
77.5°	427.7	441.8	452.1	482.2	500.1	529.2	549.9	565.9	574.3	592.2	608.1
80°	331.8	347.8	357.2	386.3	409.8	428.6	447.4	467.2	490.7	507.6	512.3
82.5°	248.1	255.7	267.9	299.8	324.3	354.4	373.2	387.3	407.0	420.2	431.4
85°	172.0	179.5	199.3	222.8	248.1	275.4	296.1	318.6	332.7	349.7	362.8
87.5°	113.7	127.8	144.8	172.0	194.6	220.9	243.4	262.2	281.0	297.0	309.2
90°	91.2	105.3	120.3	147.6	173.9	198.3	220.9	241.6	259.4	276.3	288.6
92.5°	87.4	101.5	115.6	143.8	169.2	194.6	217.1	238.7	255.7	271.6	285.7
95°	85.5	99.6	113.7	141.0	167.3	191.8	214.3	235.9	253.8	269.8	282.9
97.5°	83.7	97.8	111.9	139.1	164.5	189.9	211.5	232.2	251.0	266.9	280.1
100°	81.8	94.9	109.0	135.4	161.7	186.1	208.7	229.3	247.2	263.2	276.3
102.5°	79.9	93.1	107.2	132.5	157.9	181.4	204.0	223.7	242.5	257.5	270.7
105°	77.1	90.2	104.3	129.7	154.2	176.7	199.3	219.0	237.8	251.9	265.1
107.5°	75.2	88.4	100.6	126.9	150.4	173.0	193.6	213.4	231.2	247.2	259.4
110°	72.4	85.5	97.8	122.2	146.6	168.3	188.9	208.7	225.6	241.6	253.8



TEST NUMBER: P241629

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

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	70.5	82.7	94.9	118.4	141.0	163.6	183.3	202.1	219.9	234.0	246.3
115°	67.7	79.9	91.2	114.7	137.2	158.9	177.7	196.4	212.4	227.5	239.7
117.5°	64.9	76.1	88.4	110.0	132.5	152.3	172.0	188.9	204.9	219.0	231.2
120°	62.0	73.3	84.6	106.2	126.9	147.6	165.4	182.4	197.4	211.5	222.8
122.5°	59.2	69.6	80.8	101.5	121.3	141.0	158.9	174.8	189.9	202.1	214.3
125°	56.4	66.7	77.1	96.8	115.6	134.4	151.3	167.3	181.4	193.6	204.9
127.5°	53.6	63.0	72.4	92.1	110.9	127.8	144.8	159.8	173.0	185.2	195.5
130°	49.8	59.2	67.7	86.5	104.3	121.3	137.2	151.3	165.4	175.8	186.1
132.5°	44.2	53.6	63.0	80.8	98.7	114.7	129.7	143.8	156.0	166.4	176.7
135°	39.5	47.9	56.4	72.4	90.2	107.2	121.3	134.4	146.6	156.0	166.4
137.5°	34.8	42.3	49.8	64.9	80.8	96.8	113.7	126.0	137.2	146.6	155.1
140°	31.0	36.7	44.2	57.3	72.4	86.5	102.5	117.5	127.8	137.2	145.7
142.5°	26.3	32.9	39.5	50.8	63.0	76.1	91.2	105.3	118.4	126.0	134.4
145°	22.6	28.2	33.8	44.2	54.5	66.7	78.0	94.0	107.2	116.6	123.1
147.5°	19.7	23.5	29.1	38.5	47.0	57.3	68.6	80.8	93.1	105.3	111.9
150°	16.9	20.7	24.4	32.0	40.4	48.9	57.3	68.6	78.0	91.2	100.6
152.5°	14.1	17.9	20.7	27.3	33.8	41.4	48.9	58.3	66.7	76.1	88.4
155°	12.2	15.0	17.9	22.6	28.2	33.8	40.4	47.9	55.5	63.9	73.3
157.5°	9.4	12.2	15.0	18.8	23.5	27.3	32.9	37.6	45.1	49.8	58.3
160°	7.5	9.4	11.3	15.0	18.8	22.6	25.4	30.1	34.8	38.5	45.1
162.5°	5.6	7.5	9.4	12.2	15.0	17.9	19.7	22.6	25.4	29.1	33.8
165°	3.8	5.6	6.6	8.5	11.3	13.2	15.0	16.0	17.9	20.7	23.5
167.5°	2.8	3.8	4.7	5.6	7.5	9.4	10.3	11.3	12.2	13.2	15.0
170°	2.8	2.8	2.8	3.8	4.7	5.6	6.6	6.6	7.5	7.5	8.5
172.5°	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	2.8
175°	2.8	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.0	0.0
177.5°	2.8	1.9	1.9	1.9	1.9	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: P241629

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4
2.5°	2280.3	2282.2	2282.2	2282.2	2282.2	2281.3	2282.2	2282.2	2281.3	2281.3	2281.3
5°	2276.6	2276.6	2279.4	2278.4	2279.4	2278.4	2278.4	2276.6	2278.4	2277.5	2276.6
7.5°	2270.9	2271.9	2272.8	2274.7	2273.7	2272.8	2273.7	2271.9	2270.9	2270.9	2270.9
10°	2262.5	2265.3	2267.2	2269.0	2267.2	2268.1	2267.2	2266.2	2263.4	2264.3	2264.3
12.5°	2250.2	2252.1	2254.9	2254.9	2255.9	2254.0	2257.8	2254.9	2253.1	2254.9	2250.2
15°	2237.1	2235.2	2239.0	2242.7	2241.8	2240.8	2242.7	2239.9	2239.0	2236.1	2238.0
17.5°	2220.2	2219.2	2224.9	2223.9	2223.9	2223.0	2222.0	2221.1	2218.3	2217.3	2216.4
20°	2192.0	2196.7	2197.6	2200.4	2200.4	2200.4	2200.4	2195.7	2193.8	2192.9	2192.0
22.5°	2163.8	2165.6	2168.5	2171.3	2172.2	2173.2	2172.2	2173.2	2169.4	2167.5	2166.6
25°	2127.1	2135.6	2142.2	2145.9	2142.2	2144.0	2143.1	2140.3	2141.2	2133.7	2134.6
27.5°	2088.6	2094.2	2100.8	2105.5	2104.6	2106.4	2106.4	2105.5	2101.7	2100.8	2098.0
30°	2049.1	2053.8	2054.7	2061.3	2064.1	2067.0	2064.1	2063.2	2061.3	2054.7	2055.7
32.5°	2006.8	2005.9	2016.2	2015.3	2019.0	2023.7	2020.9	2020.0	2015.3	2012.4	2011.5
35°	1951.3	1957.0	1963.6	1967.3	1967.3	1969.2	1972.0	1968.3	1968.3	1962.6	1962.6
37.5°	1905.3	1905.3	1909.0	1914.7	1917.5	1921.3	1918.4	1920.3	1910.9	1912.8	1907.2
40°	1845.1	1848.9	1854.5	1857.3	1860.2	1868.6	1863.0	1857.3	1854.5	1856.4	1847.0
42.5°	1785.9	1785.0	1792.5	1797.2	1799.1	1803.8	1801.9	1800.9	1798.1	1791.5	1785.9
45°	1717.3	1724.8	1728.6	1731.4	1737.0	1740.8	1736.1	1738.0	1730.5	1723.9	1722.0
47.5°	1655.3	1657.1	1659.0	1667.5	1664.7	1669.4	1671.2	1673.1	1667.5	1660.0	1658.1
50°	1584.8	1581.9	1591.3	1597.0	1595.1	1598.9	1600.7	1599.8	1595.1	1583.8	1582.9
52.5°	1505.8	1506.7	1515.2	1522.7	1519.0	1522.7	1526.5	1525.5	1515.2	1514.3	1509.6
55°	1427.8	1430.6	1439.1	1440.0	1442.8	1449.4	1445.6	1441.9	1443.8	1435.3	1429.7
57.5°	1346.0	1346.0	1355.4	1361.1	1361.1	1367.6	1366.7	1362.0	1360.1	1358.2	1349.8
60°	1261.4	1264.2	1270.8	1274.6	1283.0	1284.0	1277.4	1281.2	1279.3	1267.1	1260.5
62.5°	1172.1	1171.2	1185.3	1189.0	1190.9	1191.9	1189.0	1193.7	1184.3	1178.7	1179.6
65°	1076.2	1080.0	1090.3	1105.4	1101.6	1102.6	1097.9	1098.8	1093.2	1086.6	1082.8
67.5°	994.5	997.3	999.2	1009.5	1019.8	1012.3	1007.6	1005.7	1000.1	1000.1	992.6
70°	891.1	895.8	915.5	913.6	916.5	913.6	919.3	920.2	905.2	896.7	903.3
72.5°	805.5	800.8	820.6	814.9	819.6	822.5	823.4	814.9	813.1	804.6	800.8
75°	703.1	714.4	720.9	721.9	722.8	735.0	732.2	727.5	717.2	704.0	707.8
77.5°	614.7	619.4	623.2	626.9	629.8	635.4	636.3	633.5	624.1	621.3	615.7
80°	521.7	528.3	537.7	538.6	540.5	545.2	547.1	542.4	534.8	520.7	515.1
82.5°	437.1	442.7	457.8	460.6	464.3	458.7	465.3	458.7	447.4	442.7	438.0
85°	365.6	374.1	379.7	384.4	388.2	393.8	388.2	387.3	379.7	372.2	363.8
87.5°	317.7	322.4	332.7	335.6	337.4	343.1	341.2	337.4	329.0	318.6	315.8
90°	295.1	300.8	310.2	315.8	319.6	319.6	318.6	314.9	308.3	299.8	293.3
92.5°	293.3	299.8	308.3	313.0	316.8	317.7	316.8	312.1	305.5	296.1	290.4
95°	289.5	295.1	304.5	310.2	313.0	314.9	313.0	310.2	303.6	293.3	288.6
97.5°	286.7	292.3	300.8	307.4	310.2	312.1	310.2	306.4	299.8	290.4	284.8
100°	281.0	287.6	296.1	302.7	305.5	307.4	306.4	301.7	295.1	286.7	281.0
102.5°	276.3	282.0	290.4	297.0	299.8	300.8	299.8	296.1	289.5	281.0	275.4
105°	271.6	276.3	284.8	290.4	294.2	295.1	294.2	291.4	284.8	275.4	269.8
107.5°	265.1	270.7	279.2	284.8	287.6	289.5	287.6	284.8	278.2	268.8	264.1
110°	259.4	263.2	271.6	277.3	281.0	282.0	281.0	277.3	270.7	262.2	256.6



TEST NUMBER: P241629

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	251.9	256.6	265.1	269.8	272.6	274.5	273.5	268.8	263.2	253.8	249.1
115°	244.4	249.1	257.5	262.2	265.1	266.9	266.0	262.2	254.7	246.3	241.6
117.5°	235.9	241.6	249.1	252.8	256.6	257.5	256.6	252.8	247.2	239.7	233.1
120°	228.4	232.2	239.7	244.4	247.2	248.1	247.2	243.4	237.8	229.3	225.6
122.5°	219.0	223.7	231.2	236.9	238.7	239.7	238.7	235.9	229.3	220.9	216.2
125°	209.6	213.4	220.9	225.6	228.4	230.3	228.4	224.6	218.1	211.5	206.8
127.5°	199.3	204.0	211.5	215.2	218.1	219.9	218.1	213.4	208.7	202.1	197.4
130°	189.9	194.6	200.2	204.9	207.7	208.7	206.8	204.0	199.3	191.8	188.0
132.5°	180.5	184.2	189.9	194.6	196.4	197.4	195.5	192.7	188.0	181.4	176.7
135°	170.1	173.0	178.6	182.4	185.2	186.1	184.2	180.5	176.7	171.1	167.3
137.5°	158.9	162.6	167.3	172.0	173.9	174.8	173.0	170.1	165.4	159.8	156.0
140°	148.5	150.4	157.0	158.9	161.7	162.6	159.8	157.0	153.2	147.6	144.8
142.5°	137.2	140.1	144.8	147.6	150.4	150.4	148.5	145.7	141.9	136.3	134.4
145°	126.0	127.8	132.5	135.4	137.2	137.2	136.3	133.5	130.7	125.0	123.1
147.5°	114.7	116.6	120.3	123.1	125.0	126.0	124.1	122.2	118.4	113.7	110.9
150°	103.4	104.3	108.1	110.0	111.9	111.9	110.9	109.0	105.3	102.5	99.6
152.5°	91.2	92.1	95.9	97.8	98.7	100.6	98.7	95.9	94.0	90.2	88.4
155°	79.9	81.8	83.7	85.5	86.5	86.5	85.5	84.6	81.8	79.0	76.1
157.5°	63.9	69.6	72.4	73.3	73.3	74.3	73.3	71.4	70.5	67.7	65.8
160°	49.8	53.6	59.2	62.0	62.0	61.1	61.1	59.2	58.3	55.5	55.5
162.5°	36.7	39.5	47.0	47.9	49.8	48.9	48.9	48.9	47.0	46.1	43.2
165°	25.4	27.3	32.9	37.6	37.6	36.7	36.7	35.7	35.7	33.8	32.0
167.5°	16.0	16.9	19.7	26.3	26.3	25.4	25.4	25.4	24.4	22.6	22.6
170°	8.5	9.4	10.3	12.2	15.0	15.0	14.1	15.0	14.1	13.2	12.2
172.5°	2.8	2.8	1.9	2.8	5.6	5.6	5.6	5.6	5.6	4.7	4.7
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: P241629

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

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4	2279.4
2.5°	2281.3	2279.4	2276.6	2271.9	2267.2	2267.2	2267.2	2270.0	2271.9	2270.9	2271.9
5°	2276.6	2271.9	2270.0	2264.3	2261.5	2261.5	2259.6	2262.5	2267.2	2265.3	2266.2
7.5°	2270.9	2268.1	2263.4	2256.8	2251.2	2250.2	2250.2	2251.2	2253.1	2252.1	2251.2
10°	2261.5	2257.8	2254.9	2246.5	2239.9	2237.1	2236.1	2239.0	2237.1	2237.1	2236.1
12.5°	2251.2	2246.5	2240.8	2231.4	2225.8	2220.2	2220.2	2218.3	2219.2	2219.2	2217.3
15°	2232.4	2232.4	2223.9	2216.4	2207.0	2201.4	2197.6	2197.6	2196.7	2195.7	2192.0
17.5°	2214.5	2209.8	2201.4	2192.0	2186.3	2179.7	2175.0	2169.4	2168.5	2167.5	2161.9
20°	2192.0	2183.5	2178.8	2168.5	2160.0	2152.5	2144.0	2138.4	2137.5	2131.8	2128.1
22.5°	2163.8	2157.2	2149.7	2140.3	2127.1	2118.7	2113.0	2105.5	2098.9	2097.0	2093.3
25°	2132.8	2128.1	2122.4	2105.5	2094.2	2085.8	2075.4	2067.0	2058.5	2055.7	2051.0
27.5°	2096.1	2087.6	2082.0	2072.6	2057.6	2041.6	2033.1	2021.8	2016.2	2010.6	2008.7
30°	2051.0	2048.2	2036.9	2027.5	2013.4	2000.2	1991.8	1972.0	1969.2	1961.7	1953.2
32.5°	2008.7	2005.9	1991.8	1981.4	1966.4	1954.2	1941.0	1926.0	1912.8	1910.9	1901.5
35°	1956.0	1955.1	1941.9	1930.7	1916.6	1905.3	1887.4	1874.3	1857.3	1851.7	1846.1
37.5°	1901.5	1901.5	1887.4	1875.2	1863.0	1847.0	1832.0	1810.3	1803.8	1792.5	1786.8
40°	1843.2	1836.7	1829.1	1819.7	1800.9	1786.8	1769.9	1753.9	1738.9	1729.5	1723.9
42.5°	1781.2	1779.3	1772.7	1760.5	1740.8	1722.9	1709.8	1691.9	1671.2	1668.4	1657.1
45°	1719.2	1717.3	1703.2	1692.9	1675.9	1659.0	1642.1	1620.5	1604.5	1597.9	1586.6
47.5°	1647.7	1645.9	1638.3	1620.5	1606.4	1586.6	1571.6	1548.1	1528.4	1519.9	1509.6
50°	1580.1	1570.7	1561.3	1549.0	1530.2	1517.1	1499.2	1478.5	1460.7	1444.7	1440.0
52.5°	1506.7	1495.5	1483.2	1476.7	1452.2	1440.9	1420.3	1393.9	1378.9	1370.4	1356.4
55°	1425.0	1415.6	1411.8	1387.4	1376.1	1355.4	1342.3	1320.6	1301.8	1280.2	1276.5
57.5°	1344.1	1331.9	1321.6	1304.7	1297.1	1276.5	1258.6	1229.5	1212.5	1196.6	1184.3
60°	1258.6	1250.1	1234.2	1220.1	1205.0	1191.9	1170.2	1139.2	1118.5	1107.3	1106.3
62.5°	1167.4	1159.0	1154.3	1127.0	1118.5	1092.2	1073.4	1053.7	1022.7	1013.3	1002.0
65°	1076.2	1070.6	1052.7	1038.6	1018.0	1003.9	985.1	959.7	937.1	919.3	905.2
67.5°	991.6	980.4	964.4	943.7	929.6	910.8	886.4	855.4	830.9	825.3	810.2
70°	892.0	876.0	868.5	844.1	827.2	813.1	785.8	764.2	736.0	718.1	705.0
72.5°	799.0	783.9	771.7	751.0	731.3	708.7	688.0	661.7	634.5	617.5	607.2
75°	703.1	689.0	678.6	657.0	640.1	614.7	584.6	561.2	542.4	519.8	504.8
77.5°	606.3	591.2	585.6	555.5	534.8	521.7	494.4	468.1	436.1	426.7	408.9
80°	510.4	498.2	489.7	461.5	444.6	419.2	399.5	373.2	345.9	328.0	316.8
82.5°	435.2	420.2	397.6	381.6	359.1	339.3	310.2	289.5	257.5	244.4	231.2
85°	360.0	343.1	330.9	306.4	292.3	271.6	244.4	214.3	188.0	173.0	158.9
87.5°	308.3	292.3	280.1	258.5	238.7	212.4	190.8	164.5	133.5	120.3	108.1
90°	287.6	272.6	256.6	237.8	217.1	193.6	169.2	142.9	114.7	100.6	86.5
92.5°	284.8	270.7	254.7	235.0	214.3	190.8	166.4	140.1	112.8	97.8	83.7
95°	282.0	267.9	251.9	232.2	211.5	188.9	164.5	138.2	110.9	95.9	81.8
97.5°	279.2	265.1	249.1	229.3	208.7	186.1	161.7	136.3	108.1	94.0	79.9
100°	274.5	260.4	244.4	225.6	204.9	182.4	158.9	133.5	106.2	92.1	79.0
102.5°	269.8	255.7	239.7	220.9	200.2	178.6	155.1	129.7	103.4	89.3	76.1
105°	263.2	249.1	234.0	216.2	196.4	174.8	150.4	126.9	100.6	87.4	74.3
107.5°	257.5	244.4	228.4	210.5	190.8	170.1	146.6	123.1	97.8	84.6	71.4
110°	251.0	237.8	222.8	204.9	186.1	165.4	142.9	119.4	94.9	81.8	69.6



TEST NUMBER: P241629

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

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	243.4	230.3	216.2	199.3	180.5	159.8	138.2	115.6	91.2	79.0	66.7
115°	235.9	224.6	209.6	192.7	173.9	154.2	133.5	110.9	87.4	75.2	63.9
117.5°	228.4	216.2	202.1	186.1	168.3	148.5	127.8	106.2	83.7	72.4	61.1
120°	219.0	207.7	194.6	179.5	161.7	142.9	123.1	101.5	79.9	68.6	58.3
122.5°	211.5	200.2	187.1	172.0	155.1	136.3	117.5	97.8	76.1	64.9	54.5
125°	202.1	190.8	178.6	163.6	147.6	129.7	111.9	93.1	71.4	61.1	51.7
127.5°	193.6	183.3	170.1	156.0	140.1	124.1	106.2	88.4	67.7	58.3	48.9
130°	183.3	173.0	160.7	147.6	133.5	116.6	100.6	82.7	63.9	54.5	45.1
132.5°	173.9	163.6	152.3	140.1	126.0	110.0	94.0	77.1	59.2	50.8	42.3
135°	163.6	153.2	142.9	130.7	117.5	103.4	88.4	71.4	55.5	47.0	38.5
137.5°	152.3	143.8	133.5	122.2	110.0	95.9	81.8	66.7	50.8	43.2	35.7
140°	141.9	133.5	124.1	113.7	100.6	88.4	75.2	61.1	47.0	38.5	32.9
142.5°	130.7	123.1	113.7	104.3	92.1	81.8	68.6	55.5	42.3	34.8	29.1
145°	120.3	111.9	104.3	94.9	83.7	74.3	62.0	49.8	37.6	32.0	25.4
147.5°	109.0	102.5	94.0	85.5	76.1	65.8	55.5	44.2	32.9	27.3	22.6
150°	96.8	91.2	84.6	76.1	67.7	59.2	48.9	38.5	28.2	23.5	18.8
152.5°	86.5	79.9	75.2	66.7	59.2	50.8	42.3	32.9	24.4	19.7	16.0
155°	74.3	69.6	63.9	58.3	50.8	44.2	35.7	28.2	19.7	16.0	12.2
157.5°	63.9	60.2	54.5	48.9	42.3	35.7	30.1	22.6	16.0	12.2	9.4
160°	52.6	48.9	44.2	40.4	34.8	29.1	23.5	17.9	12.2	9.4	6.6
162.5°	42.3	39.5	34.8	31.0	27.3	22.6	17.9	13.2	8.5	5.6	3.8
165°	31.0	29.1	26.3	22.6	19.7	16.0	12.2	8.5	4.7	3.8	2.8
167.5°	21.6	19.7	16.9	15.0	13.2	9.4	7.5	4.7	2.8	2.8	1.9
170°	12.2	10.3	9.4	7.5	6.6	4.7	2.8	2.8	1.9	1.9	1.9
172.5°	3.8	2.8	2.8	1.9	1.9	0.9	0.9	1.9	1.9	1.9	1.9
175°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	1.9	1.9	1.9
177.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	1.9	1.9	1.9
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: P241629

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

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2279.4	2279.4	2279.4	2279.4
2.5°	2273.7	2279.4	2283.1	2284.1
5°	2266.2	2272.8	2273.7	2277.5
7.5°	2253.1	2260.6	2262.5	2264.3
10°	2236.1	2241.8	2247.4	2249.3
12.5°	2214.5	2222.0	2223.0	2223.9
15°	2191.0	2192.9	2197.6	2196.7
17.5°	2157.2	2160.9	2166.6	2164.7
20°	2124.3	2127.1	2131.8	2128.1
22.5°	2087.6	2083.9	2087.6	2091.4
25°	2041.6	2041.6	2044.4	2041.6
27.5°	1995.5	1991.8	1989.9	1993.6
30°	1945.7	1938.2	1935.4	1939.1
32.5°	1888.4	1879.9	1879.9	1879.9
35°	1836.7	1828.2	1818.8	1816.9
37.5°	1773.7	1760.5	1753.0	1754.9
40°	1709.8	1692.9	1691.9	1684.4
42.5°	1638.3	1625.2	1619.5	1617.7
45°	1568.8	1548.1	1541.5	1538.7
47.5°	1489.8	1474.8	1462.6	1461.6
50°	1413.7	1398.6	1387.4	1387.4
52.5°	1331.0	1314.1	1301.8	1296.2
55°	1251.1	1225.7	1210.7	1215.4
57.5°	1160.8	1136.4	1119.5	1116.7
60°	1074.4	1049.9	1032.1	1033.0
62.5°	973.8	960.6	937.1	933.4
65°	887.3	863.8	837.5	830.9
67.5°	780.2	765.1	741.6	736.0
70°	682.4	662.7	642.9	627.9
72.5°	581.8	556.5	544.2	534.8
75°	485.0	450.2	440.8	439.9
77.5°	384.4	355.3	342.1	328.0
80°	285.7	266.0	244.4	233.1
82.5°	202.1	174.8	151.3	146.6
85°	126.9	100.6	79.0	68.6
87.5°	76.1	49.8	31.0	20.7
90°	57.3	30.1	9.4	0.9
92.5°	55.5	29.1	8.5	0.9
95°	53.6	28.2	7.5	0.9
97.5°	52.6	27.3	7.5	0.9
100°	51.7	26.3	7.5	0.9
102.5°	49.8	25.4	6.6	0.9
105°	48.9	24.4	6.6	0.9
107.5°	47.0	23.5	6.6	0.9
110°	45.1	22.6	5.6	0.9



TEST NUMBER: P241629

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

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	43.2	21.6	5.6	0.9
115°	41.4	20.7	4.7	0.9
117.5°	38.5	18.8	3.8	0.9
120°	36.7	17.9	3.8	0.9
122.5°	34.8	16.9	2.8	0.9
125°	32.9	15.0	2.8	0.9
127.5°	31.0	14.1	1.9	0.9
130°	28.2	12.2	1.9	0.9
132.5°	26.3	11.3	1.9	0.9
135°	23.5	10.3	1.9	1.9
137.5°	21.6	8.5	1.9	1.9
140°	18.8	7.5	1.9	1.9
142.5°	16.9	5.6	1.9	1.9
145°	14.1	4.7	1.9	1.9
147.5°	12.2	3.8	1.9	1.9
150°	9.4	2.8	1.9	1.9
152.5°	7.5	2.8	1.9	1.9
155°	5.6	1.9	1.9	1.9
157.5°	3.8	1.9	1.9	1.9
160°	2.8	1.9	1.9	1.9
162.5°	2.8	1.9	2.8	2.8
165°	1.9	1.9	2.8	2.8
167.5°	1.9	2.8	2.8	2.8
170°	1.9	2.8	2.8	2.8
172.5°	1.9	2.8	2.8	2.8
175°	2.8	2.8	2.8	2.8
177.5°	2.8	2.8	2.8	2.8
180°	0.9	0.9	0.9	0.9

(END OF REPORT)