

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: P241630

Luminaire Tested: **FVS8M-4-LD4-35-3HI-O-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P241630
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-LD4-35-3HI-O-UNV-EDC1
Description: FAILSAFE FVS8M LED FIXTURE
4FT LENGTH, 3-MODULE LED WITH OPAL LENS
Light Source: (252) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

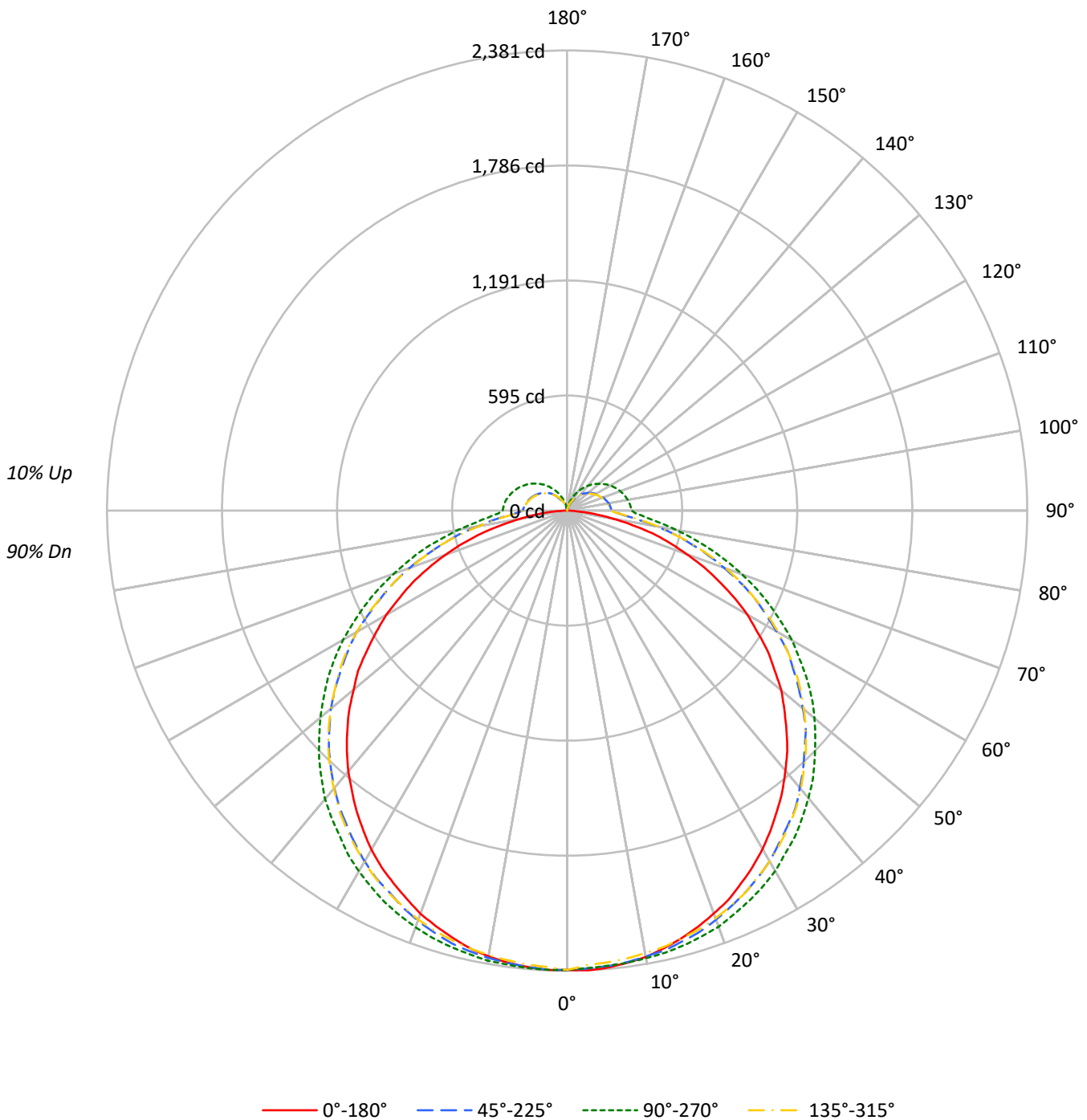
Lumens per Lamp: N/A
Luminaire Lumens: 8621.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.34 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.65' x L: 3.73' x H: 0.15')
CIE Type: Direct

Input Watts (W): 129.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	10621	10621	10621	10621
5°	10617	10403	10599	10450
10°	10570	10265	10556	10321
15°	10487	10163	10478	10193
20°	10404	10070	10409	10082
25°	10308	9938	10299	9973
30°	10203	9829	10223	9838
35°	10060	9690	10086	9672
40°	9920	9527	9948	9556
45°	9758	9338	9788	9358
50°	9609	9154	9570	9132
55°	9351	8915	9336	8903
60°	9016	8633	9049	8601
65°	8452	8232	8606	8190
70°	7724	7752	7909	7681
75°	6911	7144	6911	7181
80°	5119	6426	5306	6415
85°	2534	5894	2987	5880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	2.6
10°-20°	652.4	7.6
20°-30°	1006.5	11.7
30°-40°	1243.5	14.4
40°-50°	1334.2	15.5
50°-60°	1263.1	14.7
60°-70°	1032.3	12.0
70°-80°	678.6	7.9
80°-90°	323.4	3.8
90°-100°	215.3	2.5
100°-110°	194.1	2.3
110°-120°	162.7	1.9
120°-130°	125.3	1.5
130°-140°	86.2	1.0
140°-150°	50.0	0.6
150°-160°	22.2	0.3
160°-170°	5.6	0.1
170°-180°	0.3	0.0
0°-30°	1884.2	21.9
0°-40°	3127.7	36.3
0°-60°	5725.0	66.4
0°-90°	7759.3	90.0
90°-120°	572.1	6.6
90°-150°	833.6	9.7
90°-180°	862.0	10.0
0°-180°	8621.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2376	2376	2376	2376	2376	
5°	2374	2365	2370	2375	2374	226
15°	2290	2329	2288	2336	2290	646
25°	2128	2228	2126	2235	2128	982
35°	1894	2057	1899	2053	1894	1186
45°	1604	1811	1609	1815	1604	1239
55°	1267	1513	1265	1511	1267	1128
65°	866	1155	882	1150	866	859
75°	459	762	459	766	459	476
85°	72	412	84	411	72	97
90°	1	332	3	333	1	3
95°	1	327	1	328	1	1
105°	1	307	1	308	1	1
115°	1	276	1	278	1	1
125°	1	238	1	240	1	1
135°	2	192	1	194	2	1
145°	2	142	2	143	2	1
155°	2	88	2	90	2	1
165°	3	38	3	38	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°	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4
2.5°	2381.3	2384.3	2389.2	2393.1	2394.1	2394.1	2392.1	2391.1	2384.3	2378.4	2371.5
5°	2374.5	2376.4	2383.3	2386.2	2387.2	2386.2	2383.3	2383.3	2377.4	2369.6	2366.6
7.5°	2360.7	2366.6	2368.6	2370.5	2372.5	2374.5	2372.5	2370.5	2366.6	2360.7	2356.8
10°	2345.1	2346.0	2350.0	2355.8	2355.8	2357.8	2355.8	2356.8	2351.9	2348.0	2343.1
12.5°	2318.6	2321.5	2325.5	2332.3	2334.3	2336.2	2334.3	2336.2	2331.3	2328.4	2330.4
15°	2290.2	2296.1	2297.0	2302.9	2307.8	2308.8	2309.8	2313.7	2307.8	2308.8	2306.8
17.5°	2256.9	2257.8	2263.7	2266.7	2273.5	2279.4	2276.5	2282.3	2282.3	2282.3	2285.3
20°	2218.6	2217.7	2222.6	2233.3	2239.2	2241.2	2243.1	2250.0	2251.0	2252.9	2252.9
22.5°	2180.4	2177.5	2180.4	2192.2	2195.1	2200.0	2207.9	2212.8	2211.8	2214.7	2216.7
25°	2128.5	2129.5	2134.4	2149.1	2153.0	2158.9	2162.8	2170.6	2172.6	2177.5	2180.4
27.5°	2078.5	2078.5	2087.3	2095.2	2103.0	2107.9	2114.8	2126.5	2126.5	2134.4	2139.3
30°	2021.7	2020.7	2030.5	2039.3	2051.1	2057.9	2063.8	2075.6	2079.5	2085.4	2095.2
32.5°	1959.9	1964.8	1973.6	1981.5	1996.2	2005.0	2013.8	2024.6	2031.5	2035.4	2041.3
35°	1894.3	1897.2	1910.0	1920.7	1935.4	1943.3	1954.0	1962.9	1975.6	1980.5	1989.3
37.5°	1829.6	1834.5	1844.3	1858.0	1875.7	1886.4	1890.4	1906.0	1910.0	1919.7	1941.3
40°	1756.1	1762.0	1780.6	1789.4	1808.0	1817.8	1825.7	1841.4	1851.2	1863.9	1872.7
42.5°	1686.5	1693.4	1699.3	1721.8	1739.4	1747.3	1755.1	1769.8	1782.6	1793.3	1808.0
45°	1604.2	1609.1	1624.8	1649.3	1664.0	1676.7	1682.6	1698.3	1715.9	1725.7	1738.5
47.5°	1523.8	1531.7	1544.4	1563.0	1580.7	1593.4	1608.1	1625.8	1645.4	1650.3	1674.8
50°	1446.4	1450.3	1460.1	1484.6	1504.2	1516.0	1524.8	1544.4	1559.1	1575.8	1592.4
52.5°	1351.4	1353.3	1372.9	1395.5	1422.9	1432.7	1440.5	1465.0	1478.8	1496.4	1510.1
55°	1267.1	1266.1	1285.7	1305.3	1332.8	1345.5	1352.4	1373.9	1392.5	1413.1	1427.8
57.5°	1164.2	1173.0	1191.6	1220.1	1243.6	1249.5	1261.2	1285.7	1304.3	1326.9	1351.4
60°	1077.0	1077.0	1094.6	1121.1	1140.7	1160.3	1174.0	1195.6	1213.2	1231.8	1250.4
62.5°	973.1	974.1	997.6	1017.2	1044.6	1060.3	1072.1	1098.5	1121.1	1136.8	1156.4
65°	866.3	875.1	903.5	919.2	953.5	960.4	976.0	1000.5	1021.1	1041.7	1068.2
67.5°	767.3	775.2	790.8	816.3	851.6	859.4	875.1	900.6	930.0	937.8	968.2
70°	654.6	672.3	686.0	713.4	747.7	754.6	773.2	795.7	826.1	845.7	860.4
72.5°	557.6	565.4	588.0	606.6	632.1	649.7	675.2	692.8	720.3	737.9	763.4
75°	458.6	454.7	477.2	505.7	536.0	544.9	557.6	589.0	615.4	639.9	661.5
77.5°	342.0	348.9	377.3	410.6	439.0	444.9	461.6	487.0	514.5	540.0	570.3
80°	243.0	252.8	268.5	309.7	335.1	351.8	366.5	391.0	415.5	451.8	467.4
82.5°	152.9	161.7	185.2	216.6	243.0	258.7	277.3	301.8	327.3	358.7	376.3
85°	71.5	84.3	107.8	140.1	164.6	184.2	196.0	227.4	254.8	282.2	301.8
87.5°	21.6	30.4	55.9	83.3	113.7	128.4	143.1	173.5	203.8	229.3	250.9
90°	1.0	10.8	33.3	62.7	94.1	108.8	123.5	152.9	180.3	207.8	230.3
92.5°	1.0	9.8	32.3	60.8	91.1	105.8	121.5	149.9	177.4	203.8	227.4
95°	1.0	9.8	31.4	59.8	89.2	103.9	119.6	148.0	175.4	200.9	224.4
97.5°	1.0	9.8	30.4	57.8	87.2	101.9	116.6	145.0	172.5	198.0	221.5
100°	1.0	8.8	30.4	56.8	85.3	99.0	114.7	142.1	169.5	194.0	218.5
102.5°	1.0	8.8	29.4	54.9	83.3	97.0	111.7	139.2	164.6	190.1	212.7
105°	1.0	7.8	28.4	53.9	80.4	94.1	108.8	135.2	160.7	185.2	207.8
107.5°	1.0	7.8	27.4	51.9	78.4	92.1	105.8	131.3	156.8	180.3	202.9
110°	1.0	6.9	26.5	50.0	75.5	89.2	102.9	128.4	152.9	176.4	198.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.0	6.9	24.5	48.0	73.5	86.2	99.0	124.5	148.0	171.5	192.1
115°	1.0	5.9	23.5	46.1	70.6	83.3	95.1	119.6	143.1	164.6	185.2
117.5°	1.0	5.9	22.5	44.1	67.6	79.4	92.1	114.7	138.2	158.8	180.3
120°	1.0	4.9	21.6	42.1	64.7	76.4	88.2	110.7	132.3	152.9	172.5
122.5°	1.0	3.9	19.6	40.2	61.7	72.5	83.3	104.9	126.4	147.0	164.6
125°	1.0	2.9	18.6	37.2	57.8	68.6	79.4	100.9	120.5	140.1	157.8
127.5°	1.0	2.9	16.7	35.3	54.9	64.7	75.5	95.1	114.7	133.3	149.9
130°	1.0	2.0	14.7	31.4	51.0	60.8	70.6	90.2	107.8	126.4	142.1
132.5°	1.0	2.0	12.7	28.4	46.1	54.9	65.7	84.3	101.9	118.6	134.3
135°	2.0	2.0	10.8	25.5	41.2	50.0	58.8	76.4	94.1	110.7	125.4
137.5°	2.0	2.0	8.8	21.6	36.3	44.1	52.9	68.6	85.3	102.9	116.6
140°	2.0	2.0	7.8	18.6	31.4	39.2	46.1	60.8	75.5	91.1	106.8
142.5°	2.0	2.0	5.9	15.7	27.4	33.3	40.2	53.9	66.6	80.4	95.1
145°	2.0	2.0	4.9	13.7	23.5	29.4	34.3	46.1	57.8	70.6	84.3
147.5°	2.0	2.0	3.9	10.8	19.6	24.5	30.4	39.2	51.0	61.7	71.5
150°	2.0	2.0	2.9	8.8	16.7	20.6	25.5	33.3	43.1	52.9	61.7
152.5°	2.0	2.0	2.9	7.8	13.7	16.7	20.6	28.4	35.3	44.1	51.9
155°	2.0	2.0	2.9	5.9	10.8	13.7	17.6	23.5	29.4	36.3	43.1
157.5°	2.0	2.0	2.0	3.9	8.8	11.8	13.7	18.6	24.5	28.4	33.3
160°	2.0	2.0	2.0	2.9	6.9	8.8	10.8	14.7	18.6	22.5	27.4
162.5°	2.9	2.9	2.9	2.9	4.9	5.9	7.8	10.8	14.7	17.6	19.6
165°	2.9	2.9	2.9	2.9	2.9	3.9	4.9	7.8	9.8	12.7	14.7
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	3.9	4.9	6.9	7.8	9.8
170°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.9	2.9	3.9	4.9
172.5°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0
175°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	1.0	1.0
177.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4
2.5°	2366.6	2367.6	2370.5	2370.5	2370.5	2371.5	2370.5	2369.6	2367.6	2369.6	2366.6
5°	2361.7	2362.7	2364.7	2367.6	2367.6	2367.6	2369.6	2365.6	2365.6	2364.7	2363.7
7.5°	2353.9	2354.9	2358.8	2360.7	2360.7	2361.7	2362.7	2362.7	2359.8	2359.8	2357.8
10°	2342.1	2347.0	2349.0	2352.9	2350.9	2353.9	2354.9	2352.9	2350.9	2351.9	2351.9
12.5°	2328.4	2335.3	2335.3	2343.1	2342.1	2341.1	2343.1	2343.1	2342.1	2343.1	2343.1
15°	2310.8	2316.6	2320.6	2327.4	2326.4	2326.4	2331.3	2332.3	2329.4	2329.4	2327.4
17.5°	2287.2	2290.2	2300.0	2302.9	2304.9	2306.8	2309.8	2311.7	2310.8	2310.8	2307.8
20°	2257.8	2264.7	2275.5	2274.5	2285.3	2285.3	2285.3	2286.3	2288.2	2291.2	2286.3
22.5°	2222.6	2234.3	2243.1	2249.0	2251.0	2252.9	2256.9	2260.8	2259.8	2259.8	2260.8
25°	2186.3	2199.0	2205.9	2217.7	2221.6	2219.6	2227.5	2229.4	2229.4	2227.5	2229.4
27.5°	2146.1	2159.8	2171.6	2172.6	2178.5	2181.4	2185.3	2192.2	2192.2	2193.2	2190.2
30°	2102.0	2116.7	2124.6	2131.4	2135.3	2135.3	2146.1	2148.1	2147.1	2153.0	2152.0
32.5°	2054.0	2070.7	2077.5	2087.3	2092.2	2092.2	2098.1	2105.0	2102.0	2102.0	2104.0
35°	2000.1	2014.8	2023.6	2035.4	2037.3	2040.3	2047.1	2055.0	2057.9	2056.9	2054.0
37.5°	1951.1	1956.0	1971.7	1980.5	1981.5	1985.4	1993.2	1999.1	1997.2	2000.1	1999.1
40°	1886.4	1897.2	1910.9	1921.7	1927.6	1925.6	1933.5	1938.4	1941.3	1942.3	1946.2
42.5°	1825.7	1840.4	1849.2	1860.0	1863.9	1863.9	1868.8	1872.7	1877.6	1882.5	1877.6
45°	1757.1	1768.8	1781.6	1791.4	1799.2	1801.2	1805.1	1804.1	1809.0	1811.0	1817.8
47.5°	1684.6	1700.2	1710.0	1719.8	1723.8	1730.6	1738.5	1739.4	1746.3	1741.4	1747.3
50°	1613.0	1625.8	1638.5	1650.3	1654.2	1653.2	1657.1	1662.0	1666.9	1670.8	1667.9
52.5°	1529.7	1544.4	1557.2	1567.0	1575.8	1573.8	1585.6	1581.7	1592.4	1596.4	1590.5
55°	1443.5	1467.0	1476.8	1485.6	1486.6	1494.4	1511.1	1504.2	1508.2	1513.1	1509.1
57.5°	1358.2	1373.9	1387.6	1399.4	1402.3	1412.1	1416.0	1419.0	1423.9	1424.9	1429.8
60°	1276.9	1282.8	1300.4	1313.2	1318.1	1319.0	1336.7	1333.7	1340.6	1343.5	1339.6
62.5°	1176.9	1194.6	1209.3	1224.0	1224.0	1231.8	1238.7	1236.7	1244.6	1249.5	1252.4
65°	1079.9	1097.6	1112.3	1124.0	1128.9	1137.7	1140.7	1142.6	1151.5	1155.4	1155.4
67.5°	980.0	1004.5	1013.3	1024.1	1032.9	1035.8	1047.6	1051.5	1056.4	1062.3	1064.2
70°	882.0	909.4	918.2	929.0	931.9	940.8	948.6	956.4	954.5	961.3	966.2
72.5°	787.9	806.5	815.3	829.0	837.9	845.7	852.6	860.4	864.3	862.4	868.2
75°	686.0	705.6	714.4	734.0	736.0	743.8	756.5	761.4	763.4	762.4	764.4
77.5°	590.9	606.6	616.4	634.0	642.9	644.8	661.5	661.5	667.4	665.4	669.3
80°	487.0	507.6	530.2	542.9	551.7	550.7	559.6	566.4	569.4	569.4	572.3
82.5°	403.7	419.4	441.0	454.7	459.6	465.5	477.2	482.1	488.0	482.1	491.0
85°	331.2	348.9	365.5	376.3	381.2	391.0	400.8	402.8	411.6	411.6	410.6
87.5°	273.4	292.0	308.7	323.4	330.2	334.2	344.9	349.8	353.8	356.7	354.7
90°	251.9	271.5	288.1	301.8	308.7	313.6	322.4	328.3	331.2	332.2	331.2
92.5°	248.9	267.5	284.2	298.9	304.8	310.6	319.5	325.3	329.3	330.2	328.3
95°	246.0	265.6	282.2	295.9	301.8	307.7	316.5	322.4	326.3	327.3	325.3
97.5°	244.0	261.7	279.3	293.0	298.9	303.8	313.6	319.5	322.4	323.4	322.4
100°	240.1	257.7	274.4	288.1	294.0	298.9	307.7	314.6	317.5	318.5	317.5
102.5°	234.2	252.8	268.5	282.2	288.1	294.0	301.8	307.7	311.6	312.6	311.6
105°	229.3	247.9	263.6	276.3	282.2	288.1	295.9	301.8	305.7	306.7	304.8
107.5°	223.4	242.1	257.7	271.5	277.3	282.2	290.1	295.9	298.9	299.9	297.9
110°	217.6	236.2	251.9	264.6	270.5	274.4	283.2	288.1	292.0	293.0	291.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	210.7	228.3	244.0	256.8	261.7	267.5	274.4	280.3	284.2	285.2	283.2
115°	203.8	220.5	237.2	249.9	254.8	259.7	267.5	272.4	275.4	276.3	275.4
117.5°	198.0	213.6	228.3	241.1	246.0	250.9	258.7	263.6	267.5	267.5	266.6
120°	190.1	205.8	219.5	231.3	238.1	241.1	248.9	254.8	257.7	257.7	257.7
122.5°	183.3	198.0	212.7	223.4	228.3	232.3	240.1	246.0	248.9	248.9	247.0
125°	174.4	189.1	201.9	213.6	217.6	221.5	229.3	234.2	237.2	238.1	236.2
127.5°	165.6	180.3	193.1	202.9	208.7	212.7	218.5	223.4	227.4	227.4	225.4
130°	156.8	170.5	183.3	193.1	198.0	200.9	207.8	213.6	215.6	215.6	214.6
132.5°	148.0	161.7	173.5	182.3	187.2	190.1	196.0	200.9	203.8	204.8	202.9
135°	139.2	151.9	162.7	172.5	175.4	179.3	184.2	189.1	191.1	192.1	190.1
137.5°	130.3	142.1	151.9	160.7	164.6	167.6	173.5	177.4	179.3	180.3	178.4
140°	120.5	131.3	141.1	149.9	153.9	155.8	161.7	164.6	167.6	167.6	165.6
142.5°	110.7	121.5	130.3	138.2	141.1	144.1	149.0	152.9	153.9	153.9	153.9
145°	99.0	110.7	119.6	127.4	130.3	132.3	136.2	139.2	141.1	142.1	140.1
147.5°	86.2	97.0	107.8	114.7	117.6	120.5	123.5	127.4	128.4	128.4	126.4
150°	72.5	83.3	95.1	102.9	106.8	107.8	110.7	112.7	115.6	115.6	114.7
152.5°	60.8	70.6	81.3	91.1	93.1	96.0	98.0	100.9	101.9	101.9	100.9
155°	51.0	58.8	66.6	76.4	81.3	83.3	86.2	88.2	89.2	88.2	88.2
157.5°	40.2	47.0	53.9	61.7	68.6	70.6	73.5	75.5	76.4	75.5	75.5
160°	31.4	36.3	41.2	49.0	51.9	56.8	60.8	61.7	62.7	62.7	61.7
162.5°	23.5	27.4	30.4	35.3	39.2	42.1	48.0	50.0	50.0	51.0	49.0
165°	16.7	18.6	21.6	24.5	26.5	28.4	34.3	37.2	37.2	38.2	37.2
167.5°	10.8	11.8	13.7	15.7	16.7	18.6	20.6	24.5	26.5	26.5	25.5
170°	5.9	5.9	6.9	7.8	8.8	8.8	9.8	13.7	14.7	14.7	13.7
172.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	4.9	4.9	3.9
175°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4
2.5°	2368.6	2366.6	2369.6	2370.5	2368.6	2364.7	2360.7	2357.8	2353.9	2352.9	2352.9
5°	2363.7	2362.7	2364.7	2364.7	2364.7	2362.7	2356.8	2352.9	2347.0	2345.1	2347.0
7.5°	2357.8	2357.8	2359.8	2358.8	2356.8	2354.9	2348.0	2343.1	2338.2	2336.2	2336.2
10°	2349.0	2348.0	2349.0	2347.0	2347.0	2343.1	2338.2	2330.4	2325.5	2323.5	2323.5
12.5°	2340.2	2336.2	2335.3	2338.2	2335.3	2330.4	2320.6	2315.7	2312.7	2303.9	2302.9
15°	2325.5	2320.6	2321.5	2319.6	2322.5	2316.6	2305.9	2301.0	2290.2	2283.3	2282.3
17.5°	2304.9	2304.9	2303.9	2301.9	2300.0	2293.1	2286.3	2279.4	2271.6	2263.7	2252.9
20°	2281.4	2282.3	2280.4	2281.4	2280.4	2268.6	2261.8	2251.0	2245.1	2234.3	2226.5
22.5°	2256.9	2254.9	2252.0	2250.0	2251.0	2243.1	2233.3	2222.6	2213.7	2201.0	2193.2
25°	2227.5	2225.5	2220.6	2219.6	2219.6	2209.8	2201.0	2185.3	2181.4	2167.7	2154.0
27.5°	2187.3	2185.3	2183.4	2180.4	2178.5	2173.6	2164.7	2148.1	2137.3	2125.5	2111.8
30°	2143.2	2147.1	2140.2	2138.3	2133.4	2133.4	2121.6	2107.9	2096.1	2078.5	2065.8
32.5°	2099.1	2101.0	2099.1	2095.2	2088.3	2086.3	2072.6	2060.9	2048.1	2029.5	2013.8
35°	2051.1	2048.1	2050.1	2038.3	2043.2	2031.5	2018.7	2011.9	1996.2	1978.5	1962.9
37.5°	1998.1	1996.2	1990.3	1984.4	1981.5	1978.5	1962.9	1952.1	1944.2	1921.7	1903.1
40°	1935.4	1938.4	1934.4	1933.5	1924.6	1920.7	1903.1	1891.3	1880.6	1860.0	1842.3
42.5°	1876.6	1881.5	1866.8	1868.8	1863.9	1852.1	1842.3	1832.5	1812.9	1802.2	1774.7
45°	1812.0	1807.1	1804.1	1793.3	1793.3	1787.5	1772.8	1766.9	1747.3	1729.6	1706.1
47.5°	1737.5	1743.4	1729.6	1730.6	1728.7	1717.9	1701.2	1696.3	1673.8	1662.0	1633.6
50°	1667.9	1662.0	1658.1	1660.1	1647.3	1645.4	1632.6	1616.9	1599.3	1584.6	1563.0
52.5°	1586.6	1587.5	1587.5	1576.8	1576.8	1561.1	1547.4	1535.6	1521.9	1499.3	1484.6
55°	1510.1	1508.2	1502.3	1500.3	1486.6	1479.7	1467.0	1449.4	1440.5	1420.0	1403.3
57.5°	1429.8	1424.9	1418.0	1407.2	1404.3	1395.5	1381.7	1366.1	1350.4	1332.8	1321.0
60°	1339.6	1337.7	1327.9	1321.0	1317.1	1306.3	1297.5	1284.7	1262.2	1243.6	1225.0
62.5°	1246.5	1245.5	1240.6	1231.8	1229.9	1218.1	1202.4	1184.8	1169.1	1151.5	1129.9
65°	1150.5	1144.6	1136.8	1135.8	1127.0	1121.1	1113.2	1088.7	1069.1	1052.5	1032.9
67.5°	1061.3	1056.4	1040.7	1040.7	1033.9	1024.1	1009.4	999.6	971.1	954.5	931.9
70°	958.4	959.4	952.5	947.6	933.9	920.2	913.3	900.6	877.1	852.6	835.9
72.5°	859.4	854.5	844.7	840.8	837.9	828.1	808.5	788.9	771.2	754.6	723.2
75°	761.4	755.6	740.9	745.8	737.9	725.2	714.4	691.9	669.3	648.7	625.2
77.5°	662.5	651.7	646.8	645.8	643.8	626.2	608.6	589.0	568.4	559.6	521.3
80°	573.3	558.6	551.7	553.7	544.9	528.2	517.4	498.8	477.2	454.7	426.3
82.5°	480.2	478.2	465.5	460.6	453.7	443.9	427.3	407.7	385.1	363.6	338.1
85°	405.7	397.9	397.9	382.2	380.2	365.5	349.8	331.2	306.7	281.2	257.7
87.5°	352.8	343.0	336.1	328.3	323.4	311.6	292.0	272.4	249.9	232.3	200.9
90°	326.3	320.4	309.7	303.8	297.9	282.2	264.6	246.0	224.4	199.9	176.4
92.5°	323.4	316.5	306.7	300.8	295.0	279.3	261.7	243.0	220.5	197.0	171.5
95°	321.4	313.6	303.8	297.9	292.0	276.3	259.7	240.1	218.5	194.0	169.5
97.5°	317.5	310.6	300.8	295.0	288.1	273.4	256.8	237.2	215.6	191.1	166.6
100°	312.6	304.8	295.9	290.1	284.2	269.5	251.9	232.3	210.7	188.2	163.7
102.5°	306.7	300.8	290.1	284.2	278.3	263.6	247.0	227.4	206.8	184.2	159.7
105°	300.8	294.0	285.2	279.3	272.4	258.7	242.1	222.5	201.9	179.3	155.8
107.5°	295.9	288.1	278.3	272.4	266.6	252.8	236.2	217.6	197.0	174.4	151.9
110°	288.1	281.2	271.5	265.6	259.7	246.0	229.3	211.7	192.1	169.5	147.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	279.3	272.4	262.6	257.7	251.9	238.1	222.5	204.8	186.2	164.6	142.1
115°	271.5	264.6	255.8	250.9	245.0	231.3	215.6	198.0	180.3	158.8	137.2
117.5°	262.6	255.8	247.0	242.1	236.2	222.5	208.7	192.1	173.5	152.9	132.3
120°	252.8	246.0	238.1	233.2	227.4	214.6	200.9	184.2	166.6	147.0	126.4
122.5°	243.0	237.2	228.3	223.4	218.5	206.8	193.1	177.4	159.7	141.1	121.5
125°	232.3	226.4	218.5	213.6	208.7	198.0	184.2	169.5	151.9	134.3	114.7
127.5°	221.5	216.6	208.7	203.8	198.9	188.2	175.4	160.7	145.0	127.4	108.8
130°	210.7	204.8	198.0	194.0	188.2	178.4	166.6	151.9	137.2	120.5	102.9
132.5°	198.9	194.0	187.2	183.3	179.3	168.6	156.8	144.1	128.4	112.7	97.0
135°	187.2	182.3	177.4	172.5	167.6	158.8	147.0	134.3	120.5	105.8	90.2
137.5°	175.4	170.5	165.6	161.7	156.8	148.0	138.2	125.4	111.7	99.0	84.3
140°	163.7	158.8	153.9	149.9	146.0	138.2	127.4	116.6	103.9	90.2	76.4
142.5°	150.9	147.0	141.1	138.2	134.3	126.4	117.6	106.8	95.1	82.3	70.6
145°	138.2	134.3	129.4	126.4	122.5	115.6	107.8	97.0	86.2	75.5	63.7
147.5°	125.4	121.5	116.6	114.7	110.7	105.8	97.0	87.2	78.4	66.6	55.9
150°	111.7	109.8	104.9	101.9	100.0	93.1	86.2	77.4	69.6	59.8	50.0
152.5°	100.0	97.0	92.1	90.2	88.2	82.3	76.4	67.6	60.8	51.9	43.1
155°	86.2	84.3	80.4	78.4	76.4	70.6	65.7	58.8	51.9	44.1	36.3
157.5°	74.5	72.5	68.6	66.6	64.7	60.8	54.9	50.0	43.1	36.3	29.4
160°	60.8	58.8	56.8	54.9	53.9	50.0	44.1	40.2	35.3	29.4	22.5
162.5°	48.0	48.0	45.1	44.1	42.1	39.2	35.3	30.4	26.5	22.5	16.7
165°	36.3	35.3	33.3	32.3	31.4	28.4	25.5	23.5	19.6	15.7	10.8
167.5°	24.5	23.5	22.5	22.5	21.6	19.6	16.7	13.7	11.8	8.8	6.9
170°	13.7	12.7	12.7	11.8	11.8	9.8	8.8	6.9	5.9	3.9	2.9
172.5°	3.9	3.9	3.9	3.9	2.9	2.0	2.0	1.0	1.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4
2.5°	2353.9	2355.8	2355.8	2354.9	2363.7	2368.6	2373.5	2378.4	2383.3	2387.2	2392.1
5°	2345.1	2348.0	2347.0	2349.0	2352.9	2363.7	2367.6	2370.5	2375.4	2380.3	2386.2
7.5°	2335.3	2336.2	2335.3	2334.3	2343.1	2350.0	2353.9	2358.8	2364.7	2367.6	2372.5
10°	2320.6	2319.6	2319.6	2319.6	2325.5	2332.3	2337.2	2342.1	2346.0	2350.0	2352.9
12.5°	2300.0	2301.9	2297.0	2299.0	2300.0	2307.8	2313.7	2320.6	2321.5	2326.4	2328.4
15°	2278.4	2276.5	2276.5	2274.5	2274.5	2280.4	2284.3	2288.2	2294.1	2300.0	2303.9
17.5°	2250.0	2246.1	2244.1	2246.1	2243.1	2246.1	2252.0	2254.9	2260.8	2261.8	2272.5
20°	2217.7	2218.6	2211.8	2206.9	2205.9	2210.8	2211.8	2219.6	2223.5	2224.5	2232.4
22.5°	2182.4	2176.5	2172.6	2170.6	2169.6	2169.6	2169.6	2172.6	2178.5	2181.4	2189.2
25°	2144.2	2134.4	2131.4	2128.5	2121.6	2120.6	2123.6	2126.5	2130.4	2137.3	2143.2
27.5°	2099.1	2090.3	2087.3	2080.5	2071.6	2074.6	2074.6	2080.5	2079.5	2085.4	2093.2
30°	2048.1	2040.3	2033.4	2032.4	2016.8	2021.7	2015.8	2025.6	2023.6	2033.4	2042.2
32.5°	2002.1	1988.3	1977.6	1974.6	1961.9	1959.9	1958.9	1962.9	1962.9	1971.7	1987.4
35°	1946.2	1930.5	1917.8	1916.8	1898.2	1899.2	1892.3	1899.2	1901.1	1910.0	1925.6
37.5°	1882.5	1865.9	1859.0	1856.1	1835.5	1833.5	1828.6	1829.6	1834.5	1845.3	1857.0
40°	1818.8	1804.1	1795.3	1793.3	1774.7	1763.0	1755.1	1761.0	1760.0	1776.7	1790.4
42.5°	1755.1	1735.5	1724.7	1718.9	1706.1	1692.4	1684.6	1686.5	1691.4	1701.2	1721.8
45°	1690.4	1667.9	1655.2	1651.2	1626.7	1616.0	1608.1	1609.1	1613.0	1631.6	1642.4
47.5°	1614.0	1592.4	1580.7	1571.9	1550.3	1538.5	1526.8	1529.7	1533.6	1548.3	1568.9
50°	1536.6	1513.1	1501.3	1493.5	1476.8	1451.3	1441.5	1440.5	1446.4	1468.0	1491.5
52.5°	1461.1	1433.7	1422.9	1412.1	1386.6	1368.0	1360.2	1364.1	1367.1	1373.9	1401.3
55°	1378.8	1351.4	1336.7	1331.8	1299.4	1287.7	1273.0	1265.1	1272.0	1290.6	1318.1
57.5°	1294.5	1262.2	1248.5	1241.6	1209.3	1200.5	1178.9	1171.1	1177.9	1196.5	1223.0
60°	1197.5	1175.0	1155.4	1147.5	1122.1	1095.6	1080.9	1080.9	1090.7	1098.5	1126.0
62.5°	1106.4	1075.0	1070.1	1046.6	1021.1	1001.5	983.9	977.0	989.8	1008.4	1030.9
65°	1006.4	974.1	968.2	950.6	924.1	900.6	891.8	882.0	887.8	900.6	924.1
67.5°	911.4	878.0	863.3	847.7	830.0	799.7	777.1	775.2	780.1	808.5	823.2
70°	808.5	777.1	766.3	760.5	724.2	694.8	678.1	670.3	680.1	708.5	727.1
72.5°	700.7	681.1	659.5	648.7	619.3	588.0	569.4	566.4	576.2	593.9	619.3
75°	599.7	569.4	559.6	546.8	515.5	484.1	463.5	458.6	470.4	488.0	514.5
77.5°	499.8	467.4	457.6	442.0	413.5	385.1	359.6	349.8	367.5	386.1	417.5
80°	402.8	377.3	362.6	347.9	319.5	291.0	261.7	251.9	267.5	289.1	310.6
82.5°	308.7	281.2	261.7	249.9	223.4	197.0	174.4	168.6	179.3	200.9	223.4
85°	229.3	201.9	186.2	172.5	149.0	113.7	93.1	84.3	94.1	116.6	145.0
87.5°	176.4	146.0	130.3	118.6	85.3	60.8	35.3	28.4	39.2	58.8	90.2
90°	148.0	119.6	104.9	90.2	59.8	32.3	11.8	2.9	13.7	36.3	65.7
92.5°	144.1	115.6	100.9	86.2	56.8	29.4	8.8	1.0	10.8	32.3	60.8
95°	142.1	113.7	99.0	84.3	54.9	28.4	7.8	1.0	9.8	31.4	59.8
97.5°	140.1	110.7	97.0	82.3	53.9	28.4	7.8	1.0	9.8	30.4	57.8
100°	137.2	107.8	94.1	80.4	52.9	27.4	7.8	1.0	9.8	30.4	56.8
102.5°	133.3	105.8	92.1	78.4	51.0	26.5	6.9	1.0	8.8	29.4	55.9
105°	129.4	102.9	90.2	76.4	49.0	25.5	6.9	1.0	8.8	28.4	53.9
107.5°	126.4	100.0	87.2	73.5	47.0	24.5	5.9	1.0	7.8	27.4	51.9
110°	122.5	97.0	84.3	71.5	46.1	23.5	5.9	1.0	7.8	26.5	50.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	118.6	93.1	81.3	68.6	44.1	21.6	4.9	1.0	6.9	25.5	48.0
115°	113.7	90.2	78.4	65.7	42.1	20.6	4.9	1.0	6.9	24.5	47.0
117.5°	109.8	86.2	74.5	62.7	39.2	19.6	3.9	1.0	5.9	22.5	44.1
120°	104.9	81.3	70.6	58.8	37.2	18.6	2.9	1.0	5.9	21.6	42.1
122.5°	100.0	77.4	66.6	55.9	35.3	16.7	2.9	1.0	4.9	20.6	40.2
125°	95.1	73.5	62.7	52.9	33.3	15.7	2.0	1.0	4.9	18.6	38.2
127.5°	90.2	69.6	59.8	50.0	31.4	13.7	2.0	1.0	3.9	17.6	36.3
130°	84.3	64.7	55.9	46.1	28.4	12.7	2.0	1.0	2.9	15.7	32.3
132.5°	79.4	59.8	51.9	43.1	26.5	10.8	2.0	1.0	2.9	13.7	29.4
135°	73.5	55.9	48.0	40.2	23.5	9.8	1.0	1.0	2.0	11.8	25.5
137.5°	67.6	51.9	44.1	36.3	21.6	7.8	2.0	2.0	2.0	9.8	22.5
140°	61.7	47.0	39.2	32.3	18.6	6.9	2.0	2.0	2.0	8.8	19.6
142.5°	55.9	42.1	35.3	29.4	16.7	4.9	2.0	2.0	2.0	6.9	16.7
145°	51.0	38.2	31.4	25.5	13.7	3.9	2.0	2.0	2.0	5.9	13.7
147.5°	45.1	33.3	27.4	22.5	11.8	2.9	2.0	2.0	2.0	4.9	11.8
150°	39.2	28.4	23.5	18.6	8.8	2.0	2.0	2.0	2.0	3.9	10.8
152.5°	33.3	23.5	19.6	15.7	6.9	2.0	2.0	2.0	2.0	3.9	8.8
155°	27.4	19.6	15.7	11.8	4.9	2.0	2.0	2.0	2.0	2.9	6.9
157.5°	22.5	15.7	12.7	8.8	2.9	2.0	2.0	2.0	2.0	2.9	5.9
160°	17.6	10.8	8.8	5.9	2.0	2.0	2.0	2.0	2.0	2.9	3.9
162.5°	12.7	7.8	4.9	3.9	2.0	2.0	2.0	2.9	2.0	2.0	3.9
165°	7.8	3.9	2.9	2.0	2.0	2.0	2.0	2.9	2.9	2.0	2.9
167.5°	3.9	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9
170°	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9
172.5°	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9
175°	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4
2.5°	2392.1	2393.1	2393.1	2393.1	2388.2	2380.3	2377.4	2370.5	2372.5	2376.4	2376.4
5°	2387.2	2388.2	2386.2	2385.2	2380.3	2371.5	2369.6	2366.6	2364.7	2371.5	2371.5
7.5°	2374.5	2373.5	2374.5	2375.4	2371.5	2364.7	2360.7	2356.8	2359.8	2364.7	2365.6
10°	2356.8	2358.8	2358.8	2357.8	2355.8	2350.9	2350.0	2347.0	2350.0	2353.9	2357.8
12.5°	2334.3	2337.2	2337.2	2339.2	2337.2	2332.3	2335.3	2331.3	2337.2	2346.0	2347.0
15°	2308.8	2309.8	2309.8	2315.7	2315.7	2314.7	2316.6	2315.7	2322.5	2326.4	2328.4
17.5°	2278.4	2278.4	2283.3	2290.2	2291.2	2283.3	2289.2	2290.2	2294.1	2302.9	2308.8
20°	2240.2	2247.1	2245.1	2252.9	2252.9	2253.9	2257.8	2261.8	2267.6	2272.5	2284.3
22.5°	2198.1	2205.9	2205.9	2210.8	2217.7	2221.6	2222.6	2227.5	2235.3	2250.0	2249.0
25°	2157.9	2157.9	2164.7	2169.6	2171.6	2182.4	2178.5	2194.1	2200.0	2211.8	2213.7
27.5°	2108.9	2109.9	2118.7	2127.5	2129.5	2132.4	2143.2	2148.1	2160.8	2166.7	2177.5
30°	2055.0	2063.8	2066.7	2079.5	2083.4	2090.3	2096.1	2104.0	2118.7	2123.6	2131.4
32.5°	1998.1	2009.9	2012.8	2023.6	2027.5	2038.3	2043.2	2050.1	2065.8	2076.5	2086.3
35°	1935.4	1945.2	1953.1	1968.7	1974.6	1981.5	1988.3	2002.1	2018.7	2023.6	2032.4
37.5°	1873.7	1884.5	1892.3	1906.0	1913.9	1926.6	1935.4	1944.2	1958.0	1969.7	1976.6
40°	1810.0	1820.8	1823.7	1842.3	1850.2	1864.9	1873.7	1888.4	1899.2	1910.9	1926.6
42.5°	1738.5	1749.2	1754.1	1772.8	1786.5	1793.3	1810.0	1821.8	1838.4	1845.3	1855.1
45°	1666.9	1674.8	1682.6	1700.2	1714.9	1723.8	1743.4	1753.2	1764.9	1778.6	1786.5
47.5°	1586.6	1596.4	1604.2	1624.8	1639.5	1656.1	1668.9	1682.6	1698.3	1707.1	1723.8
50°	1508.2	1518.0	1524.8	1546.4	1561.1	1573.8	1595.4	1614.0	1622.8	1635.6	1645.4
52.5°	1422.9	1436.6	1445.4	1469.0	1484.6	1499.3	1512.1	1531.7	1538.5	1561.1	1570.9
55°	1331.8	1346.5	1360.2	1378.8	1392.5	1420.9	1425.8	1447.4	1465.0	1476.8	1481.7
57.5°	1242.6	1254.4	1271.0	1290.6	1313.2	1328.8	1342.6	1358.2	1369.0	1381.7	1398.4
60°	1150.5	1169.1	1170.1	1193.6	1212.2	1236.7	1257.3	1267.1	1286.7	1294.5	1306.3
62.5°	1055.4	1062.3	1082.9	1105.4	1118.1	1142.6	1156.4	1177.9	1190.7	1209.3	1222.0
65°	950.6	968.2	985.8	997.6	1024.1	1040.7	1058.4	1079.9	1090.7	1115.2	1121.1
67.5°	853.5	870.2	876.1	900.6	922.1	948.6	967.2	984.9	996.6	1012.3	1032.9
70°	757.5	768.3	776.1	802.6	826.1	845.7	866.3	889.8	903.5	915.3	925.1
72.5°	647.8	655.6	677.2	696.8	721.3	744.8	765.4	785.9	801.6	814.4	826.1
75°	540.0	551.7	576.2	601.7	622.3	651.7	663.4	684.0	696.8	719.3	727.1
77.5°	445.9	460.6	471.4	502.7	521.3	551.7	573.3	589.9	598.8	617.4	634.0
80°	345.9	362.6	372.4	402.8	427.3	446.9	466.5	487.0	511.5	529.2	534.1
82.5°	258.7	266.6	279.3	312.6	338.1	369.4	389.0	403.7	424.3	438.0	449.8
85°	179.3	187.2	207.8	232.3	258.7	287.1	308.7	332.2	346.9	364.5	378.3
87.5°	118.6	133.3	150.9	179.3	202.9	230.3	253.8	273.4	293.0	309.7	322.4
90°	95.1	109.8	125.4	153.9	181.3	206.8	230.3	251.9	270.5	288.1	300.8
92.5°	91.1	105.8	120.5	149.9	176.4	202.9	226.4	248.9	266.6	283.2	297.9
95°	89.2	103.9	118.6	147.0	174.4	199.9	223.4	246.0	264.6	281.2	295.0
97.5°	87.2	101.9	116.6	145.0	171.5	198.0	220.5	242.1	261.7	278.3	292.0
100°	85.3	99.0	113.7	141.1	168.6	194.0	217.6	239.1	257.7	274.4	288.1
102.5°	83.3	97.0	111.7	138.2	164.6	189.1	212.7	233.2	252.8	268.5	282.2
105°	80.4	94.1	108.8	135.2	160.7	184.2	207.8	228.3	247.9	262.6	276.3
107.5°	78.4	92.1	104.9	132.3	156.8	180.3	201.9	222.5	241.1	257.7	270.5
110°	75.5	89.2	101.9	127.4	152.9	175.4	197.0	217.6	235.2	251.9	264.6



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	73.5	86.2	99.0	123.5	147.0	170.5	191.1	210.7	229.3	244.0	256.8
115°	70.6	83.3	95.1	119.6	143.1	165.6	185.2	204.8	221.5	237.2	249.9
117.5°	67.6	79.4	92.1	114.7	138.2	158.8	179.3	197.0	213.6	228.3	241.1
120°	64.7	76.4	88.2	110.7	132.3	153.9	172.5	190.1	205.8	220.5	232.3
122.5°	61.7	72.5	84.3	105.8	126.4	147.0	165.6	182.3	198.0	210.7	223.4
125°	58.8	69.6	80.4	100.9	120.5	140.1	157.8	174.4	189.1	201.9	213.6
127.5°	55.9	65.7	75.5	96.0	115.6	133.3	150.9	166.6	180.3	193.1	203.8
130°	51.9	61.7	70.6	90.2	108.8	126.4	143.1	157.8	172.5	183.3	194.0
132.5°	46.1	55.9	65.7	84.3	102.9	119.6	135.2	149.9	162.7	173.5	184.2
135°	41.2	50.0	58.8	75.5	94.1	111.7	126.4	140.1	152.9	162.7	173.5
137.5°	36.3	44.1	51.9	67.6	84.3	100.9	118.6	131.3	143.1	152.9	161.7
140°	32.3	38.2	46.1	59.8	75.5	90.2	106.8	122.5	133.3	143.1	151.9
142.5°	27.4	34.3	41.2	52.9	65.7	79.4	95.1	109.8	123.5	131.3	140.1
145°	23.5	29.4	35.3	46.1	56.8	69.6	81.3	98.0	111.7	121.5	128.4
147.5°	20.6	24.5	30.4	40.2	49.0	59.8	71.5	84.3	97.0	109.8	116.6
150°	17.6	21.6	25.5	33.3	42.1	51.0	59.8	71.5	81.3	95.1	104.9
152.5°	14.7	18.6	21.6	28.4	35.3	43.1	51.0	60.8	69.6	79.4	92.1
155°	12.7	15.7	18.6	23.5	29.4	35.3	42.1	50.0	57.8	66.6	76.4
157.5°	9.8	12.7	15.7	19.6	24.5	28.4	34.3	39.2	47.0	51.9	60.8
160°	7.8	9.8	11.8	15.7	19.6	23.5	26.5	31.4	36.3	40.2	47.0
162.5°	5.9	7.8	9.8	12.7	15.7	18.6	20.6	23.5	26.5	30.4	35.3
165°	3.9	5.9	6.9	8.8	11.8	13.7	15.7	16.7	18.6	21.6	24.5
167.5°	2.9	3.9	4.9	5.9	7.8	9.8	10.8	11.8	12.7	13.7	15.7
170°	2.9	2.9	2.9	3.9	4.9	5.9	6.9	6.9	7.8	7.8	8.8
172.5°	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9
175°	2.9	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0
177.5°	2.9	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4
2.5°	2377.4	2379.4	2379.4	2379.4	2379.4	2378.4	2379.4	2379.4	2378.4	2378.4	2378.4
5°	2373.5	2373.5	2376.4	2375.4	2376.4	2375.4	2375.4	2373.5	2375.4	2374.5	2373.5
7.5°	2367.6	2368.6	2369.6	2371.5	2370.5	2369.6	2370.5	2368.6	2367.6	2367.6	2367.6
10°	2358.8	2361.7	2363.7	2365.6	2363.7	2364.7	2363.7	2362.7	2359.8	2360.7	2360.7
12.5°	2346.0	2348.0	2350.9	2350.9	2351.9	2350.0	2353.9	2350.9	2349.0	2350.9	2346.0
15°	2332.3	2330.4	2334.3	2338.2	2337.2	2336.2	2338.2	2335.3	2334.3	2331.3	2333.3
17.5°	2314.7	2313.7	2319.6	2318.6	2318.6	2317.6	2316.6	2315.7	2312.7	2311.7	2310.8
20°	2285.3	2290.2	2291.2	2294.1	2294.1	2294.1	2294.1	2289.2	2287.2	2286.3	2285.3
22.5°	2255.9	2257.8	2260.8	2263.7	2264.7	2265.7	2264.7	2265.7	2261.8	2259.8	2258.8
25°	2217.7	2226.5	2233.3	2237.3	2233.3	2235.3	2234.3	2231.4	2232.4	2224.5	2225.5
27.5°	2177.5	2183.4	2190.2	2195.1	2194.1	2196.1	2196.1	2195.1	2191.2	2190.2	2187.3
30°	2136.3	2141.2	2142.2	2149.1	2152.0	2154.9	2152.0	2151.0	2149.1	2142.2	2143.2
32.5°	2092.2	2091.2	2102.0	2101.0	2105.0	2109.9	2106.9	2105.9	2101.0	2098.1	2097.1
35°	2034.4	2040.3	2047.1	2051.1	2051.1	2053.0	2056.0	2052.0	2052.0	2046.2	2046.2
37.5°	1986.4	1986.4	1990.3	1996.2	1999.1	2003.0	2000.1	2002.1	1992.3	1994.2	1988.3
40°	1923.7	1927.6	1933.5	1936.4	1939.3	1948.2	1942.3	1936.4	1933.5	1935.4	1925.6
42.5°	1861.9	1861.0	1868.8	1873.7	1875.7	1880.6	1878.6	1877.6	1874.7	1867.8	1861.9
45°	1790.4	1798.2	1802.2	1805.1	1811.0	1814.9	1810.0	1812.0	1804.1	1797.3	1795.3
47.5°	1725.7	1727.7	1729.6	1738.5	1735.5	1740.4	1742.4	1744.3	1738.5	1730.6	1728.7
50°	1652.2	1649.3	1659.1	1665.0	1663.0	1666.9	1668.9	1667.9	1663.0	1651.2	1650.3
52.5°	1569.9	1570.9	1579.7	1587.5	1583.6	1587.5	1591.5	1590.5	1579.7	1578.7	1573.8
55°	1488.6	1491.5	1500.3	1501.3	1504.2	1511.1	1507.2	1503.3	1505.2	1496.4	1490.5
57.5°	1403.3	1403.3	1413.1	1419.0	1419.0	1425.8	1424.9	1420.0	1418.0	1416.0	1407.2
60°	1315.1	1318.1	1324.9	1328.8	1337.7	1338.6	1331.8	1335.7	1333.7	1321.0	1314.1
62.5°	1222.0	1221.0	1235.7	1239.7	1241.6	1242.6	1239.7	1244.6	1234.8	1228.9	1229.9
65°	1122.1	1126.0	1136.8	1152.4	1148.5	1149.5	1144.6	1145.6	1139.7	1132.8	1128.9
67.5°	1036.8	1039.7	1041.7	1052.5	1063.3	1055.4	1050.5	1048.6	1042.7	1042.7	1034.8
70°	929.0	933.9	954.5	952.5	955.5	952.5	958.4	959.4	943.7	934.9	941.7
72.5°	839.8	834.9	855.5	849.6	854.5	857.5	858.4	849.6	847.7	838.8	834.9
75°	733.0	744.8	751.6	752.6	753.6	766.3	763.4	758.5	747.7	734.0	737.9
77.5°	640.9	645.8	649.7	653.6	656.6	662.5	663.4	660.5	650.7	647.8	641.9
80°	543.9	550.7	560.5	561.5	563.5	568.4	570.3	565.4	557.6	542.9	537.0
82.5°	455.7	461.6	477.2	480.2	484.1	478.2	485.1	478.2	466.5	461.6	456.7
85°	381.2	390.0	395.9	400.8	404.7	410.6	404.7	403.7	395.9	388.1	379.2
87.5°	331.2	336.1	346.9	349.8	351.8	357.7	355.7	351.8	343.0	332.2	329.3
90°	307.7	313.6	323.4	329.3	333.2	333.2	332.2	328.3	321.4	312.6	305.7
92.5°	305.7	312.6	321.4	326.3	330.2	331.2	330.2	325.3	318.5	308.7	302.8
95°	301.8	307.7	317.5	323.4	326.3	328.3	326.3	323.4	316.5	305.7	300.8
97.5°	298.9	304.8	313.6	320.4	323.4	325.3	323.4	319.5	312.6	302.8	296.9
100°	293.0	299.9	308.7	315.5	318.5	320.4	319.5	314.6	307.7	298.9	293.0
102.5°	288.1	294.0	302.8	309.7	312.6	313.6	312.6	308.7	301.8	293.0	287.1
105°	283.2	288.1	296.9	302.8	306.7	307.7	306.7	303.8	296.9	287.1	281.2
107.5°	276.3	282.2	291.0	296.9	299.9	301.8	299.9	296.9	290.1	280.3	275.4
110°	270.5	274.4	283.2	289.1	293.0	294.0	293.0	289.1	282.2	273.4	267.5



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	262.6	267.5	276.3	281.2	284.2	286.1	285.2	280.3	274.4	264.6	259.7
115°	254.8	259.7	268.5	273.4	276.3	278.3	277.3	273.4	265.6	256.8	251.9
117.5°	246.0	251.9	259.7	263.6	267.5	268.5	267.5	263.6	257.7	249.9	243.0
120°	238.1	242.1	249.9	254.8	257.7	258.7	257.7	253.8	247.9	239.1	235.2
122.5°	228.3	233.2	241.1	247.0	248.9	249.9	248.9	246.0	239.1	230.3	225.4
125°	218.5	222.5	230.3	235.2	238.1	240.1	238.1	234.2	227.4	220.5	215.6
127.5°	207.8	212.7	220.5	224.4	227.4	229.3	227.4	222.5	217.6	210.7	205.8
130°	198.0	202.9	208.7	213.6	216.6	217.6	215.6	212.7	207.8	199.9	196.0
132.5°	188.2	192.1	198.0	202.9	204.8	205.8	203.8	200.9	196.0	189.1	184.2
135°	177.4	180.3	186.2	190.1	193.1	194.0	192.1	188.2	184.2	178.4	174.4
137.5°	165.6	169.5	174.4	179.3	181.3	182.3	180.3	177.4	172.5	166.6	162.7
140°	154.8	156.8	163.7	165.6	168.6	169.5	166.6	163.7	159.7	153.9	150.9
142.5°	143.1	146.0	150.9	153.9	156.8	156.8	154.8	151.9	148.0	142.1	140.1
145°	131.3	133.3	138.2	141.1	143.1	143.1	142.1	139.2	136.2	130.3	128.4
147.5°	119.6	121.5	125.4	128.4	130.3	131.3	129.4	127.4	123.5	118.6	115.6
150°	107.8	108.8	112.7	114.7	116.6	116.6	115.6	113.7	109.8	106.8	103.9
152.5°	95.1	96.0	100.0	101.9	102.9	104.9	102.9	100.0	98.0	94.1	92.1
155°	83.3	85.3	87.2	89.2	90.2	90.2	89.2	88.2	85.3	82.3	79.4
157.5°	66.6	72.5	75.5	76.4	76.4	77.4	76.4	74.5	73.5	70.6	68.6
160°	51.9	55.9	61.7	64.7	64.7	63.7	63.7	61.7	60.8	57.8	57.8
162.5°	38.2	41.2	49.0	50.0	51.9	51.0	51.0	51.0	49.0	48.0	45.1
165°	26.5	28.4	34.3	39.2	39.2	38.2	38.2	37.2	37.2	35.3	33.3
167.5°	16.7	17.6	20.6	27.4	27.4	26.5	26.5	26.5	25.5	23.5	23.5
170°	8.8	9.8	10.8	12.7	15.7	15.7	14.7	15.7	14.7	13.7	12.7
172.5°	2.9	2.9	2.0	2.9	5.9	5.9	5.9	5.9	5.9	4.9	4.9
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4	2376.4
2.5°	2378.4	2376.4	2373.5	2368.6	2363.7	2363.7	2363.7	2366.6	2368.6	2367.6	2368.6
5°	2373.5	2368.6	2366.6	2360.7	2357.8	2357.8	2355.8	2358.8	2363.7	2361.7	2362.7
7.5°	2367.6	2364.7	2359.8	2352.9	2347.0	2346.0	2346.0	2347.0	2349.0	2348.0	2347.0
10°	2357.8	2353.9	2350.9	2342.1	2335.3	2332.3	2331.3	2334.3	2332.3	2332.3	2331.3
12.5°	2347.0	2342.1	2336.2	2326.4	2320.6	2314.7	2314.7	2312.7	2313.7	2313.7	2311.7
15°	2327.4	2327.4	2318.6	2310.8	2301.0	2295.1	2291.2	2291.2	2290.2	2289.2	2285.3
17.5°	2308.8	2303.9	2295.1	2285.3	2279.4	2272.5	2267.6	2261.8	2260.8	2259.8	2253.9
20°	2285.3	2276.5	2271.6	2260.8	2252.0	2244.1	2235.3	2229.4	2228.4	2222.6	2218.6
22.5°	2255.9	2249.0	2241.2	2231.4	2217.7	2208.8	2203.0	2195.1	2188.3	2186.3	2182.4
25°	2223.5	2218.6	2212.8	2195.1	2183.4	2174.5	2163.8	2154.9	2146.1	2143.2	2138.3
27.5°	2185.3	2176.5	2170.6	2160.8	2145.1	2128.5	2119.7	2107.9	2102.0	2096.1	2094.2
30°	2138.3	2135.3	2123.6	2113.8	2099.1	2085.4	2076.5	2056.0	2053.0	2045.2	2036.4
32.5°	2094.2	2091.2	2076.5	2065.8	2050.1	2037.3	2023.6	2007.9	1994.2	1992.3	1982.5
35°	2039.3	2038.3	2024.6	2012.8	1998.1	1986.4	1967.8	1954.0	1936.4	1930.5	1924.6
37.5°	1982.5	1982.5	1967.8	1955.0	1942.3	1925.6	1910.0	1887.4	1880.6	1868.8	1862.9
40°	1921.7	1914.9	1907.0	1897.2	1877.6	1862.9	1845.3	1828.6	1812.9	1803.1	1797.3
42.5°	1857.0	1855.1	1848.2	1835.5	1814.9	1796.3	1782.6	1763.9	1742.4	1739.4	1727.7
45°	1792.4	1790.4	1775.7	1764.9	1747.3	1729.6	1712.0	1689.5	1672.8	1665.9	1654.2
47.5°	1717.9	1715.9	1708.1	1689.5	1674.8	1654.2	1638.5	1614.0	1593.4	1584.6	1573.8
50°	1647.3	1637.5	1627.7	1615.0	1595.4	1581.7	1563.0	1541.5	1522.9	1506.2	1501.3
52.5°	1570.9	1559.1	1546.4	1539.5	1514.0	1502.3	1480.7	1453.3	1437.6	1428.8	1414.1
55°	1485.6	1475.8	1471.9	1446.4	1434.7	1413.1	1399.4	1376.8	1357.3	1334.7	1330.8
57.5°	1401.3	1388.6	1377.8	1360.2	1352.4	1330.8	1312.2	1281.8	1264.2	1247.5	1234.8
60°	1312.2	1303.4	1286.7	1272.0	1256.3	1242.6	1220.1	1187.7	1166.2	1154.4	1153.4
62.5°	1217.1	1208.3	1203.4	1175.0	1166.2	1138.7	1119.1	1098.5	1066.2	1056.4	1044.6
65°	1122.1	1116.2	1097.6	1082.9	1061.3	1046.6	1027.0	1000.5	977.0	958.4	943.7
67.5°	1033.9	1022.1	1005.4	983.9	969.2	949.6	924.1	891.8	866.3	860.4	844.7
70°	930.0	913.3	905.5	880.0	862.4	847.7	819.3	796.7	767.3	748.7	735.0
72.5°	833.0	817.3	804.6	783.0	762.4	738.9	717.3	689.9	661.5	643.8	633.1
75°	733.0	718.3	707.5	685.0	667.4	640.9	609.5	585.0	565.4	541.9	526.2
77.5°	632.1	616.4	610.5	579.2	557.6	543.9	515.5	488.0	454.7	444.9	426.3
80°	532.1	519.4	510.6	481.2	463.5	437.1	416.5	389.0	360.6	342.0	330.2
82.5°	453.7	438.0	414.5	397.9	374.3	353.8	323.4	301.8	268.5	254.8	241.1
85°	375.3	357.7	344.9	319.5	304.8	283.2	254.8	223.4	196.0	180.3	165.6
87.5°	321.4	304.8	292.0	269.5	248.9	221.5	198.9	171.5	139.2	125.4	112.7
90°	299.9	284.2	267.5	247.9	226.4	201.9	176.4	149.0	119.6	104.9	90.2
92.5°	296.9	282.2	265.6	245.0	223.4	198.9	173.5	146.0	117.6	101.9	87.2
95°	294.0	279.3	262.6	242.1	220.5	197.0	171.5	144.1	115.6	100.0	85.3
97.5°	291.0	276.3	259.7	239.1	217.6	194.0	168.6	142.1	112.7	98.0	83.3
100°	286.1	271.5	254.8	235.2	213.6	190.1	165.6	139.2	110.7	96.0	82.3
102.5°	281.2	266.6	249.9	230.3	208.7	186.2	161.7	135.2	107.8	93.1	79.4
105°	274.4	259.7	244.0	225.4	204.8	182.3	156.8	132.3	104.9	91.1	77.4
107.5°	268.5	254.8	238.1	219.5	198.9	177.4	152.9	128.4	101.9	88.2	74.5
110°	261.7	247.9	232.3	213.6	194.0	172.5	149.0	124.5	99.0	85.3	72.5



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	253.8	240.1	225.4	207.8	188.2	166.6	144.1	120.5	95.1	82.3	69.6
115°	246.0	234.2	218.5	200.9	181.3	160.7	139.2	115.6	91.1	78.4	66.6
117.5°	238.1	225.4	210.7	194.0	175.4	154.8	133.3	110.7	87.2	75.5	63.7
120°	228.3	216.6	202.9	187.2	168.6	149.0	128.4	105.8	83.3	71.5	60.8
122.5°	220.5	208.7	195.0	179.3	161.7	142.1	122.5	101.9	79.4	67.6	56.8
125°	210.7	198.9	186.2	170.5	153.9	135.2	116.6	97.0	74.5	63.7	53.9
127.5°	201.9	191.1	177.4	162.7	146.0	129.4	110.7	92.1	70.6	60.8	51.0
130°	191.1	180.3	167.6	153.9	139.2	121.5	104.9	86.2	66.6	56.8	47.0
132.5°	181.3	170.5	158.8	146.0	131.3	114.7	98.0	80.4	61.7	52.9	44.1
135°	170.5	159.7	149.0	136.2	122.5	107.8	92.1	74.5	57.8	49.0	40.2
137.5°	158.8	149.9	139.2	127.4	114.7	100.0	85.3	69.6	52.9	45.1	37.2
140°	148.0	139.2	129.4	118.6	104.9	92.1	78.4	63.7	49.0	40.2	34.3
142.5°	136.2	128.4	118.6	108.8	96.0	85.3	71.5	57.8	44.1	36.3	30.4
145°	125.4	116.6	108.8	99.0	87.2	77.4	64.7	51.9	39.2	33.3	26.5
147.5°	113.7	106.8	98.0	89.2	79.4	68.6	57.8	46.1	34.3	28.4	23.5
150°	100.9	95.1	88.2	79.4	70.6	61.7	51.0	40.2	29.4	24.5	19.6
152.5°	90.2	83.3	78.4	69.6	61.7	52.9	44.1	34.3	25.5	20.6	16.7
155°	77.4	72.5	66.6	60.8	52.9	46.1	37.2	29.4	20.6	16.7	12.7
157.5°	66.6	62.7	56.8	51.0	44.1	37.2	31.4	23.5	16.7	12.7	9.8
160°	54.9	51.0	46.1	42.1	36.3	30.4	24.5	18.6	12.7	9.8	6.9
162.5°	44.1	41.2	36.3	32.3	28.4	23.5	18.6	13.7	8.8	5.9	3.9
165°	32.3	30.4	27.4	23.5	20.6	16.7	12.7	8.8	4.9	3.9	2.9
167.5°	22.5	20.6	17.6	15.7	13.7	9.8	7.8	4.9	2.9	2.9	2.0
170°	12.7	10.8	9.8	7.8	6.9	4.9	2.9	2.9	2.0	2.0	2.0
172.5°	3.9	2.9	2.9	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
175°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
177.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2376.4	2376.4	2376.4	2376.4
2.5°	2370.5	2376.4	2380.3	2381.3
5°	2362.7	2369.6	2370.5	2374.5
7.5°	2349.0	2356.8	2358.8	2360.7
10°	2331.3	2337.2	2343.1	2345.1
12.5°	2308.8	2316.6	2317.6	2318.6
15°	2284.3	2286.3	2291.2	2290.2
17.5°	2249.0	2252.9	2258.8	2256.9
20°	2214.7	2217.7	2222.6	2218.6
22.5°	2176.5	2172.6	2176.5	2180.4
25°	2128.5	2128.5	2131.4	2128.5
27.5°	2080.5	2076.5	2074.6	2078.5
30°	2028.5	2020.7	2017.7	2021.7
32.5°	1968.7	1959.9	1959.9	1959.9
35°	1914.9	1906.0	1896.2	1894.3
37.5°	1849.2	1835.5	1827.6	1829.6
40°	1782.6	1764.9	1763.9	1756.1
42.5°	1708.1	1694.4	1688.5	1686.5
45°	1635.6	1614.0	1607.1	1604.2
47.5°	1553.2	1537.6	1524.8	1523.8
50°	1473.9	1458.2	1446.4	1446.4
52.5°	1387.6	1370.0	1357.3	1351.4
55°	1304.3	1277.9	1262.2	1267.1
57.5°	1210.3	1184.8	1167.1	1164.2
60°	1120.1	1094.6	1076.0	1077.0
62.5°	1015.2	1001.5	977.0	973.1
65°	925.1	900.6	873.1	866.3
67.5°	813.4	797.7	773.2	767.3
70°	711.5	690.9	670.3	654.6
72.5°	606.6	580.1	567.4	557.6
75°	505.7	469.4	459.6	458.6
77.5°	400.8	370.4	356.7	342.0
80°	297.9	277.3	254.8	243.0
82.5°	210.7	182.3	157.8	152.9
85°	132.3	104.9	82.3	71.5
87.5°	79.4	51.9	32.3	21.6
90°	59.8	31.4	9.8	1.0
92.5°	57.8	30.4	8.8	1.0
95°	55.9	29.4	7.8	1.0
97.5°	54.9	28.4	7.8	1.0
100°	53.9	27.4	7.8	1.0
102.5°	51.9	26.5	6.9	1.0
105°	51.0	25.5	6.9	1.0
107.5°	49.0	24.5	6.9	1.0
110°	47.0	23.5	5.9	1.0



TEST NUMBER: P241630

CATALOG NUMBER: FVS8M-4-LD4-35-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	45.1	22.5	5.9	1.0
115°	43.1	21.6	4.9	1.0
117.5°	40.2	19.6	3.9	1.0
120°	38.2	18.6	3.9	1.0
122.5°	36.3	17.6	2.9	1.0
125°	34.3	15.7	2.9	1.0
127.5°	32.3	14.7	2.0	1.0
130°	29.4	12.7	2.0	1.0
132.5°	27.4	11.8	2.0	1.0
135°	24.5	10.8	2.0	2.0
137.5°	22.5	8.8	2.0	2.0
140°	19.6	7.8	2.0	2.0
142.5°	17.6	5.9	2.0	2.0
145°	14.7	4.9	2.0	2.0
147.5°	12.7	3.9	2.0	2.0
150°	9.8	2.9	2.0	2.0
152.5°	7.8	2.9	2.0	2.0
155°	5.9	2.0	2.0	2.0
157.5°	3.9	2.0	2.0	2.0
160°	2.9	2.0	2.0	2.0
162.5°	2.9	2.0	2.9	2.9
165°	2.0	2.0	2.9	2.9
167.5°	2.0	2.9	2.9	2.9
170°	2.0	2.9	2.9	2.9
172.5°	2.0	2.9	2.9	2.9
175°	2.9	2.9	2.9	2.9
177.5°	2.9	2.9	2.9	2.9
180°	1.0	1.0	1.0	1.0

(END OF REPORT)