

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: P241632

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P241632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-410-44)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FVS8M-4-LD4-50-3HI-O-UNV-EDC1  
Description: FAILSAFE FVS8M LED FIXTURE  
4FT LENGTH, 3-MODULE LED WITH OPAL LENS  
Light Source: (252) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

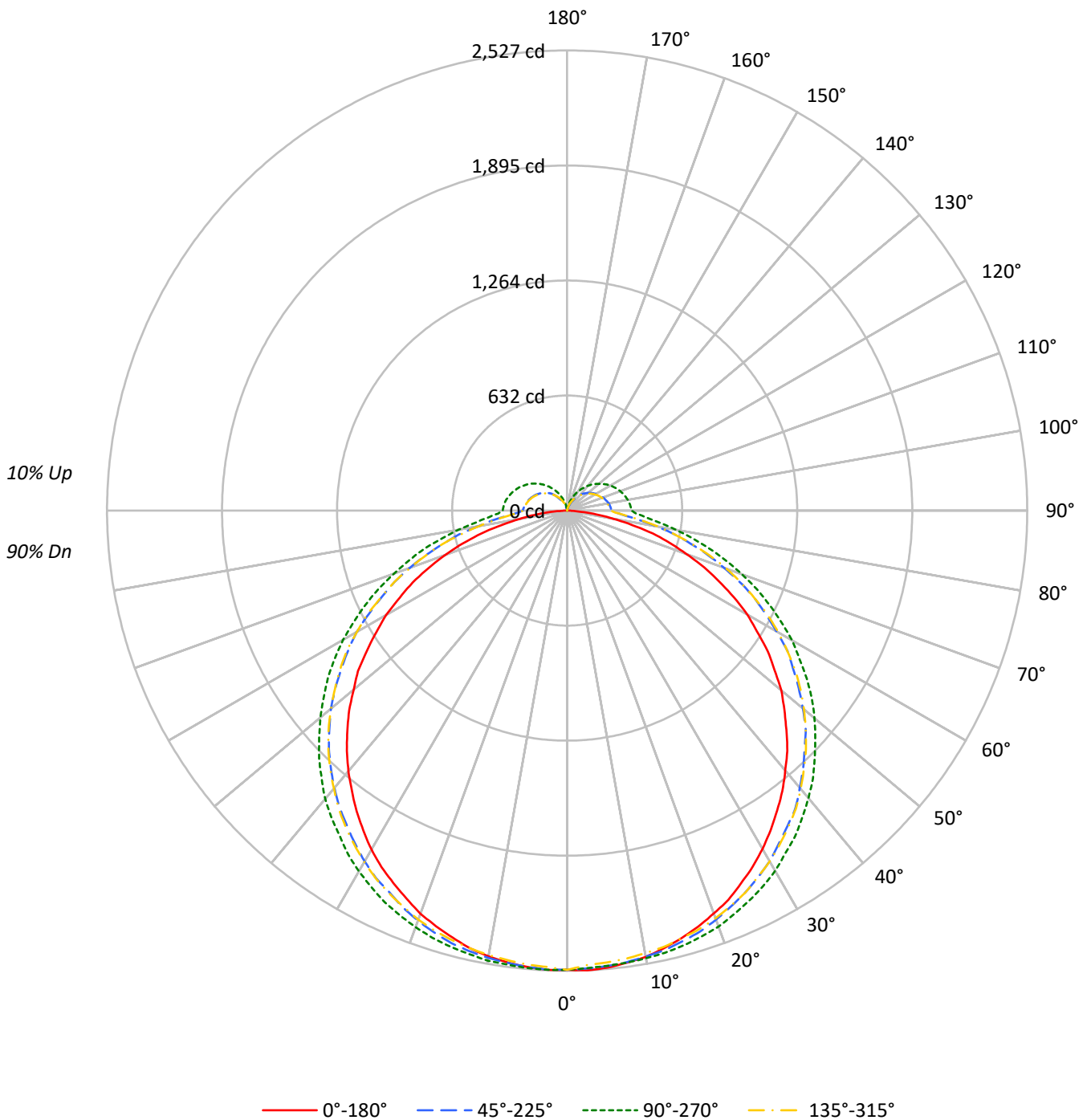
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9149.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 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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CATALOG NUMBER: FVS8M-4-LD4-50-3HI-O-UNV-EDC1

### 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°	11272	11272	11272	11272
5°	11267	11040	11248	11091
10°	11217	10894	11203	10953
15°	11129	10785	11120	10817
20°	11041	10686	11046	10700
25°	10939	10547	10930	10584
30°	10828	10431	10848	10441
35°	10676	10284	10703	10265
40°	10527	10110	10557	10141
45°	10356	9910	10387	9931
50°	10198	9715	10156	9692
55°	9924	9461	9908	9449
60°	9568	9161	9603	9128
65°	8970	8736	9133	8692
70°	8197	8227	8393	8152
75°	7334	7582	7334	7621
80°	5433	6819	5631	6807
85°	2690	6255	3168	6241



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.2	2.6
10°-20°	692.4	7.6
20°-30°	1068.1	11.7
30°-40°	1319.6	14.4
40°-50°	1415.9	15.5
50°-60°	1340.5	14.7
60°-70°	1095.5	12.0
70°-80°	720.2	7.9
80°-90°	343.2	3.8
90°-100°	228.5	2.5
100°-110°	206.0	2.3
110°-120°	172.7	1.9
120°-130°	133.0	1.5
130°-140°	91.4	1.0
140°-150°	53.1	0.6
150°-160°	23.5	0.3
160°-170°	6.0	0.1
170°-180°	0.3	0.0
0°-30°	1999.6	21.9
0°-40°	3319.2	36.3
0°-60°	6075.6	66.4
0°-90°	8234.5	90.0
90°-120°	607.2	6.6
90°-150°	884.7	9.7
90°-180°	914.0	10.0
0°-180°	9149.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2522	2522	2522	2522	2522	
5°	2520	2510	2516	2521	2520	239
15°	2430	2472	2428	2479	2430	686
25°	2259	2364	2257	2372	2259	1042
35°	2010	2183	2016	2179	2010	1259
45°	1702	1922	1708	1926	1702	1315
55°	1345	1606	1343	1604	1345	1197
65°	919	1226	936	1220	919	912
75°	487	809	487	813	487	505
85°	76	437	89	436	76	103
90°	1	353	3	354	1	4
95°	1	347	1	348	1	1
105°	1	326	1	327	1	1
115°	1	293	1	295	1	1
125°	1	253	1	255	1	1
135°	2	204	1	206	2	1
145°	2	151	2	152	2	1
155°	2	94	2	96	2	1
165°	3	41	3	41	3	1
175°	3	0	3	0	3	0
180°	1	1	1	1	1	



TEST NUMBER: P241632

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0
2.5°	2527.2	2530.3	2535.5	2539.6	2540.7	2540.7	2538.6	2537.6	2530.3	2524.0	2516.8
5°	2519.9	2522.0	2529.2	2532.4	2533.4	2532.4	2529.2	2529.2	2523.0	2514.7	2511.6
7.5°	2505.3	2511.6	2513.6	2515.7	2517.8	2519.9	2517.8	2515.7	2511.6	2505.3	2501.2
10°	2488.7	2489.7	2493.9	2500.1	2500.1	2502.2	2500.1	2501.2	2496.0	2491.8	2486.6
12.5°	2460.6	2463.7	2467.9	2475.2	2477.2	2479.3	2477.2	2479.3	2474.1	2471.0	2473.1
15°	2430.4	2436.7	2437.7	2444.0	2449.2	2450.2	2451.2	2455.4	2449.2	2450.2	2448.1
17.5°	2395.1	2396.1	2402.4	2405.5	2412.8	2419.0	2415.9	2422.1	2422.1	2422.1	2425.2
20°	2354.5	2353.5	2358.7	2370.1	2376.4	2378.4	2380.5	2387.8	2388.8	2390.9	2390.9
22.5°	2314.0	2310.8	2314.0	2326.4	2329.6	2334.8	2343.1	2348.3	2347.2	2350.4	2352.4
25°	2258.8	2259.9	2265.1	2280.7	2284.8	2291.1	2295.2	2303.6	2305.6	2310.8	2314.0
27.5°	2205.8	2205.8	2215.2	2223.5	2231.8	2237.0	2244.3	2256.8	2256.8	2265.1	2270.3
30°	2145.5	2144.4	2154.8	2164.2	2176.7	2184.0	2190.2	2202.7	2206.8	2213.1	2223.5
32.5°	2080.0	2085.2	2094.5	2102.8	2118.4	2127.8	2137.2	2148.6	2155.9	2160.0	2166.3
35°	2010.3	2013.4	2026.9	2038.4	2054.0	2062.3	2073.7	2083.1	2096.6	2101.8	2111.2
37.5°	1941.6	1946.8	1957.2	1971.8	1990.5	2002.0	2006.1	2022.8	2026.9	2037.3	2060.2
40°	1863.6	1869.9	1889.6	1899.0	1918.8	1929.2	1937.5	1954.1	1964.5	1978.0	1987.4
42.5°	1789.8	1797.1	1803.3	1827.2	1846.0	1854.3	1862.6	1878.2	1891.7	1903.2	1918.8
45°	1702.5	1707.7	1724.3	1750.3	1765.9	1779.4	1785.7	1802.3	1821.0	1831.4	1844.9
47.5°	1617.2	1625.5	1639.0	1658.8	1677.5	1691.0	1706.6	1725.3	1746.1	1751.3	1777.3
50°	1535.0	1539.2	1549.6	1575.6	1596.4	1608.9	1618.2	1639.0	1654.6	1672.3	1690.0
52.5°	1434.1	1436.2	1457.0	1480.9	1510.1	1520.5	1528.8	1554.8	1569.3	1588.1	1602.6
55°	1344.7	1343.7	1364.5	1385.3	1414.4	1427.9	1435.2	1458.1	1477.8	1499.7	1515.3
57.5°	1235.5	1244.9	1264.6	1294.8	1319.7	1326.0	1338.5	1364.5	1384.2	1408.1	1434.1
60°	1142.9	1142.9	1161.7	1189.7	1210.5	1231.3	1245.9	1268.8	1287.5	1307.3	1327.0
62.5°	1032.7	1033.7	1058.7	1079.5	1108.6	1125.3	1137.7	1165.8	1189.7	1206.4	1227.2
65°	919.3	928.7	958.9	975.5	1011.9	1019.2	1035.8	1061.8	1083.7	1105.5	1133.6
67.5°	814.3	822.6	839.3	866.3	903.7	912.1	928.7	955.7	986.9	995.3	1027.5
70°	694.7	713.4	728.0	757.1	793.5	800.8	820.5	844.5	876.7	897.5	913.1
72.5°	591.8	600.1	624.0	643.7	670.8	689.5	716.5	735.3	764.4	783.1	810.1
75°	486.7	482.6	506.5	536.6	568.9	578.2	591.8	625.0	653.1	679.1	702.0
77.5°	363.0	370.2	400.4	435.8	465.9	472.2	489.8	516.9	546.0	573.0	605.3
80°	257.9	268.3	285.0	328.6	355.7	373.4	389.0	415.0	441.0	479.4	496.1
82.5°	162.2	171.6	196.6	229.8	257.9	274.6	294.3	320.3	347.4	380.6	399.4
85°	75.9	89.4	114.4	148.7	174.7	195.5	208.0	241.3	270.4	299.5	320.3
87.5°	22.9	32.2	59.3	88.4	120.6	136.2	151.8	184.1	216.3	243.4	266.2
90°	1.0	11.4	35.4	66.6	99.8	115.4	131.0	162.2	191.4	220.5	244.4
92.5°	1.0	10.4	34.3	64.5	96.7	112.3	129.0	159.1	188.2	216.3	241.3
95°	1.0	10.4	33.3	63.4	94.6	110.2	126.9	157.0	186.2	213.2	238.2
97.5°	1.0	10.4	32.2	61.4	92.6	108.2	123.8	153.9	183.0	210.1	235.0
100°	1.0	9.4	32.2	60.3	90.5	105.0	121.7	150.8	179.9	205.9	231.9
102.5°	1.0	9.4	31.2	58.2	88.4	103.0	118.6	147.7	174.7	201.8	225.7
105°	1.0	8.3	30.2	57.2	85.3	99.8	115.4	143.5	170.6	196.6	220.5
107.5°	1.0	8.3	29.1	55.1	83.2	97.8	112.3	139.4	166.4	191.4	215.3
110°	1.0	7.3	28.1	53.0	80.1	94.6	109.2	136.2	162.2	187.2	210.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.0	7.3	26.0	51.0	78.0	91.5	105.0	132.1	157.0	182.0	203.8
115°	1.0	6.2	25.0	48.9	74.9	88.4	100.9	126.9	151.8	174.7	196.6
117.5°	1.0	6.2	23.9	46.8	71.8	84.2	97.8	121.7	146.6	168.5	191.4
120°	1.0	5.2	22.9	44.7	68.6	81.1	93.6	117.5	140.4	162.2	183.0
122.5°	1.0	4.2	20.8	42.6	65.5	77.0	88.4	111.3	134.2	156.0	174.7
125°	1.0	3.1	19.8	39.5	61.4	72.8	84.2	107.1	127.9	148.7	167.4
127.5°	1.0	3.1	17.7	37.4	58.2	68.6	80.1	100.9	121.7	141.4	159.1
130°	1.0	2.1	15.6	33.3	54.1	64.5	74.9	95.7	114.4	134.2	150.8
132.5°	1.0	2.1	13.5	30.2	48.9	58.2	69.7	89.4	108.2	125.8	142.5
135°	2.1	2.1	11.4	27.0	43.7	53.0	62.4	81.1	99.8	117.5	133.1
137.5°	2.1	2.1	9.4	22.9	38.5	46.8	56.2	72.8	90.5	109.2	123.8
140°	2.1	2.1	8.3	19.8	33.3	41.6	48.9	64.5	80.1	96.7	113.4
142.5°	2.1	2.1	6.2	16.6	29.1	35.4	42.6	57.2	70.7	85.3	100.9
145°	2.1	2.1	5.2	14.6	25.0	31.2	36.4	48.9	61.4	74.9	89.4
147.5°	2.1	2.1	4.2	11.4	20.8	26.0	32.2	41.6	54.1	65.5	75.9
150°	2.1	2.1	3.1	9.4	17.7	21.8	27.0	35.4	45.8	56.2	65.5
152.5°	2.1	2.1	3.1	8.3	14.6	17.7	21.8	30.2	37.4	46.8	55.1
155°	2.1	2.1	3.1	6.2	11.4	14.6	18.7	25.0	31.2	38.5	45.8
157.5°	2.1	2.1	2.1	4.2	9.4	12.5	14.6	19.8	26.0	30.2	35.4
160°	2.1	2.1	2.1	3.1	7.3	9.4	11.4	15.6	19.8	23.9	29.1
162.5°	3.1	3.1	3.1	3.1	5.2	6.2	8.3	11.4	15.6	18.7	20.8
165°	3.1	3.1	3.1	3.1	3.1	4.2	5.2	8.3	10.4	13.5	15.6
167.5°	3.1	3.1	3.1	3.1	3.1	3.1	4.2	5.2	7.3	8.3	10.4
170°	3.1	3.1	3.1	3.1	3.1	2.1	2.1	3.1	3.1	4.2	5.2
172.5°	3.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
175°	3.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	2.1	1.0	1.0
177.5°	3.1	3.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	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°	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0
2.5°	2511.6	2512.6	2515.7	2515.7	2515.7	2516.8	2515.7	2514.7	2512.6	2514.7	2511.6
5°	2506.4	2507.4	2509.5	2512.6	2512.6	2512.6	2514.7	2510.5	2510.5	2509.5	2508.4
7.5°	2498.0	2499.1	2503.2	2505.3	2505.3	2506.4	2507.4	2507.4	2504.3	2504.3	2502.2
10°	2485.6	2490.8	2492.8	2497.0	2494.9	2498.0	2499.1	2497.0	2494.9	2496.0	2496.0
12.5°	2471.0	2478.3	2478.3	2486.6	2485.6	2484.5	2486.6	2486.6	2485.6	2486.6	2486.6
15°	2452.3	2458.5	2462.7	2470.0	2468.9	2468.9	2474.1	2475.2	2472.0	2472.0	2470.0
17.5°	2427.3	2430.4	2440.8	2444.0	2446.0	2448.1	2451.2	2453.3	2452.3	2452.3	2449.2
20°	2396.1	2403.4	2414.8	2413.8	2425.2	2425.2	2425.2	2426.3	2428.4	2431.5	2426.3
22.5°	2358.7	2371.2	2380.5	2386.8	2388.8	2390.9	2395.1	2399.2	2398.2	2398.2	2399.2
25°	2320.2	2333.7	2341.0	2353.5	2357.6	2355.6	2363.9	2366.0	2366.0	2363.9	2366.0
27.5°	2277.6	2292.1	2304.6	2305.6	2311.9	2315.0	2319.2	2326.4	2326.4	2327.5	2324.4
30°	2230.8	2246.4	2254.7	2262.0	2266.1	2266.1	2277.6	2279.6	2278.6	2284.8	2283.8
32.5°	2179.8	2197.5	2204.8	2215.2	2220.4	2220.4	2226.6	2233.9	2230.8	2230.8	2232.8
35°	2122.6	2138.2	2147.6	2160.0	2162.1	2165.2	2172.5	2180.8	2184.0	2182.9	2179.8
37.5°	2070.6	2075.8	2092.4	2101.8	2102.8	2107.0	2115.3	2121.6	2119.5	2122.6	2121.6
40°	2002.0	2013.4	2028.0	2039.4	2045.6	2043.6	2051.9	2057.1	2060.2	2061.2	2065.4
42.5°	1937.5	1953.1	1962.4	1973.9	1978.0	1978.0	1983.2	1987.4	1992.6	1997.8	1992.6
45°	1864.7	1877.2	1890.7	1901.1	1909.4	1911.5	1915.6	1914.6	1919.8	1921.9	1929.2
47.5°	1787.7	1804.4	1814.8	1825.2	1829.3	1836.6	1844.9	1846.0	1853.2	1848.0	1854.3
50°	1711.8	1725.3	1738.9	1751.3	1755.5	1754.5	1758.6	1763.8	1769.0	1773.2	1770.1
52.5°	1623.4	1639.0	1652.5	1662.9	1672.3	1670.2	1682.7	1678.5	1690.0	1694.1	1687.9
55°	1531.9	1556.9	1567.3	1576.6	1577.7	1586.0	1603.7	1596.4	1600.5	1605.7	1601.6
57.5°	1441.4	1458.1	1472.6	1485.1	1488.2	1498.6	1502.8	1505.9	1511.1	1512.1	1517.3
60°	1355.1	1361.3	1380.1	1393.6	1398.8	1399.8	1418.5	1415.4	1422.7	1425.8	1421.7
62.5°	1249.0	1267.7	1283.3	1298.9	1298.9	1307.3	1314.5	1312.5	1320.8	1326.0	1329.1
65°	1146.1	1164.8	1180.4	1192.9	1198.1	1207.4	1210.5	1212.6	1222.0	1226.1	1226.1
67.5°	1040.0	1066.0	1075.3	1086.8	1096.1	1099.3	1111.7	1115.9	1121.1	1127.3	1129.4
70°	936.0	965.1	974.5	985.9	989.0	998.4	1006.7	1015.0	1012.9	1020.2	1025.4
72.5°	836.1	855.9	865.3	879.8	889.2	897.5	904.8	913.1	917.3	915.2	921.4
75°	728.0	748.8	758.1	778.9	781.0	789.3	802.9	808.1	810.1	809.1	811.2
77.5°	627.1	643.7	654.1	672.9	682.2	684.3	702.0	702.0	708.2	706.1	710.3
80°	516.9	538.7	562.6	576.2	585.5	584.5	593.8	601.1	604.2	604.2	607.4
82.5°	428.5	445.1	468.0	482.6	487.8	494.0	506.5	511.7	517.9	511.7	521.0
85°	351.5	370.2	387.9	399.4	404.6	415.0	425.4	427.4	436.8	436.8	435.8
87.5°	290.2	309.9	327.6	343.2	350.5	354.6	366.1	371.3	375.4	378.6	376.5
90°	267.3	288.1	305.8	320.3	327.6	332.8	342.2	348.4	351.5	352.6	351.5
92.5°	264.2	283.9	301.6	317.2	323.4	329.7	339.0	345.3	349.4	350.5	348.4
95°	261.0	281.8	299.5	314.1	320.3	326.6	335.9	342.2	346.3	347.4	345.3
97.5°	259.0	277.7	296.4	311.0	317.2	322.4	332.8	339.0	342.2	343.2	342.2
100°	254.8	273.5	291.2	305.8	312.0	317.2	326.6	333.8	337.0	338.0	337.0
102.5°	248.6	268.3	285.0	299.5	305.8	312.0	320.3	326.6	330.7	331.8	330.7
105°	243.4	263.1	279.8	293.3	299.5	305.8	314.1	320.3	324.5	325.5	323.4
107.5°	237.1	256.9	273.5	288.1	294.3	299.5	307.8	314.1	317.2	318.2	316.2
110°	230.9	250.6	267.3	280.8	287.0	291.2	300.6	305.8	309.9	311.0	308.9





TEST NUMBER: P241632

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	223.6	242.3	259.0	272.5	277.7	283.9	291.2	297.4	301.6	302.6	300.6
115°	216.3	234.0	251.7	265.2	270.4	275.6	283.9	289.1	292.2	293.3	292.2
117.5°	210.1	226.7	242.3	255.8	261.0	266.2	274.6	279.8	283.9	283.9	282.9
120°	201.8	218.4	233.0	245.4	252.7	255.8	264.2	270.4	273.5	273.5	273.5
122.5°	194.5	210.1	225.7	237.1	242.3	246.5	254.8	261.0	264.2	264.2	262.1
125°	185.1	200.7	214.2	226.7	230.9	235.0	243.4	248.6	251.7	252.7	250.6
127.5°	175.8	191.4	204.9	215.3	221.5	225.7	231.9	237.1	241.3	241.3	239.2
130°	166.4	181.0	194.5	204.9	210.1	213.2	220.5	226.7	228.8	228.8	227.8
132.5°	157.0	171.6	184.1	193.4	198.6	201.8	208.0	213.2	216.3	217.4	215.3
135°	147.7	161.2	172.6	183.0	186.2	190.3	195.5	200.7	202.8	203.8	201.8
137.5°	138.3	150.8	161.2	170.6	174.7	177.8	184.1	188.2	190.3	191.4	189.3
140°	127.9	139.4	149.8	159.1	163.3	165.4	171.6	174.7	177.8	177.8	175.8
142.5°	117.5	129.0	138.3	146.6	149.8	152.9	158.1	162.2	163.3	163.3	163.3
145°	105.0	117.5	126.9	135.2	138.3	140.4	144.6	147.7	149.8	150.8	148.7
147.5°	91.5	103.0	114.4	121.7	124.8	127.9	131.0	135.2	136.2	136.2	134.2
150°	77.0	88.4	100.9	109.2	113.4	114.4	117.5	119.6	122.7	122.7	121.7
152.5°	64.5	74.9	86.3	96.7	98.8	101.9	104.0	107.1	108.2	108.2	107.1
155°	54.1	62.4	70.7	81.1	86.3	88.4	91.5	93.6	94.6	93.6	93.6
157.5°	42.6	49.9	57.2	65.5	72.8	74.9	78.0	80.1	81.1	80.1	80.1
160°	33.3	38.5	43.7	52.0	55.1	60.3	64.5	65.5	66.6	66.6	65.5
162.5°	25.0	29.1	32.2	37.4	41.6	44.7	51.0	53.0	53.0	54.1	52.0
165°	17.7	19.8	22.9	26.0	28.1	30.2	36.4	39.5	39.5	40.6	39.5
167.5°	11.4	12.5	14.6	16.6	17.7	19.8	21.8	26.0	28.1	28.1	27.0
170°	6.2	6.2	7.3	8.3	9.4	9.4	10.4	14.6	15.6	15.6	14.6
172.5°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	5.2	5.2	4.2
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: P241632

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

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0
2.5°	2513.6	2511.6	2514.7	2515.7	2513.6	2509.5	2505.3	2502.2	2498.0	2497.0	2497.0
5°	2508.4	2507.4	2509.5	2509.5	2509.5	2507.4	2501.2	2497.0	2490.8	2488.7	2490.8
7.5°	2502.2	2502.2	2504.3	2503.2	2501.2	2499.1	2491.8	2486.6	2481.4	2479.3	2479.3
10°	2492.8	2491.8	2492.8	2490.8	2490.8	2486.6	2481.4	2473.1	2467.9	2465.8	2465.8
12.5°	2483.5	2479.3	2478.3	2481.4	2478.3	2473.1	2462.7	2457.5	2454.4	2445.0	2444.0
15°	2467.9	2462.7	2463.7	2461.6	2464.8	2458.5	2447.1	2441.9	2430.4	2423.2	2422.1
17.5°	2446.0	2446.0	2445.0	2442.9	2440.8	2433.6	2426.3	2419.0	2410.7	2402.4	2390.9
20°	2421.1	2422.1	2420.0	2421.1	2420.0	2407.6	2400.3	2388.8	2382.6	2371.2	2362.8
22.5°	2395.1	2393.0	2389.9	2387.8	2388.8	2380.5	2370.1	2358.7	2349.3	2335.8	2327.5
25°	2363.9	2361.8	2356.6	2355.6	2355.6	2345.2	2335.8	2319.2	2315.0	2300.4	2285.9
27.5°	2321.2	2319.2	2317.1	2314.0	2311.9	2306.7	2297.3	2279.6	2268.2	2255.7	2241.2
30°	2274.4	2278.6	2271.3	2269.2	2264.0	2264.0	2251.6	2237.0	2224.5	2205.8	2192.3
32.5°	2227.6	2229.7	2227.6	2223.5	2216.2	2214.1	2199.6	2187.1	2173.6	2153.8	2137.2
35°	2176.7	2173.6	2175.6	2163.2	2168.4	2155.9	2142.4	2135.1	2118.4	2099.7	2083.1
37.5°	2120.5	2118.4	2112.2	2106.0	2102.8	2099.7	2083.1	2071.6	2063.3	2039.4	2019.6
40°	2054.0	2057.1	2052.9	2051.9	2042.5	2038.4	2019.6	2007.2	1995.7	1973.9	1955.2
42.5°	1991.6	1996.8	1981.2	1983.2	1978.0	1965.6	1955.2	1944.8	1924.0	1912.5	1883.4
45°	1922.9	1917.7	1914.6	1903.2	1903.2	1896.9	1881.3	1875.1	1854.3	1835.6	1810.6
47.5°	1843.9	1850.1	1835.6	1836.6	1834.5	1823.1	1805.4	1800.2	1776.3	1763.8	1733.7
50°	1770.1	1763.8	1759.7	1761.7	1748.2	1746.1	1732.6	1716.0	1697.3	1681.7	1658.8
52.5°	1683.7	1684.8	1684.8	1673.3	1673.3	1656.7	1642.1	1629.7	1615.1	1591.2	1575.6
55°	1602.6	1600.5	1594.3	1592.2	1577.7	1570.4	1556.9	1538.1	1528.8	1506.9	1489.3
57.5°	1517.3	1512.1	1504.9	1493.4	1490.3	1480.9	1466.4	1449.7	1433.1	1414.4	1401.9
60°	1421.7	1419.6	1409.2	1401.9	1397.7	1386.3	1376.9	1363.4	1339.5	1319.7	1300.0
62.5°	1322.9	1321.8	1316.6	1307.3	1305.2	1292.7	1276.1	1257.3	1240.7	1222.0	1199.1
65°	1220.9	1214.7	1206.4	1205.3	1196.0	1189.7	1181.4	1155.4	1134.6	1116.9	1096.1
67.5°	1126.3	1121.1	1104.5	1104.5	1097.2	1086.8	1071.2	1060.8	1030.6	1012.9	989.0
70°	1017.1	1018.1	1010.9	1005.7	991.1	976.5	969.3	955.7	930.8	904.8	887.1
72.5°	912.1	906.9	896.5	892.3	889.2	878.8	858.0	837.2	818.5	800.8	767.5
75°	808.1	801.8	786.2	791.4	783.1	769.6	758.1	734.2	710.3	688.5	663.5
77.5°	703.0	691.6	686.4	685.3	683.3	664.5	645.8	625.0	603.2	593.8	553.3
80°	608.4	592.8	585.5	587.6	578.2	560.6	549.1	529.4	506.5	482.6	452.4
82.5°	509.6	507.5	494.0	488.8	481.5	471.1	453.4	432.6	408.7	385.8	358.8
85°	430.6	422.2	422.2	405.6	403.5	387.9	371.3	351.5	325.5	298.5	273.5
87.5°	374.4	364.0	356.7	348.4	343.2	330.7	309.9	289.1	265.2	246.5	213.2
90°	346.3	340.1	328.6	322.4	316.2	299.5	280.8	261.0	238.2	212.2	187.2
92.5°	343.2	335.9	325.5	319.3	313.0	296.4	277.7	257.9	234.0	209.0	182.0
95°	341.1	332.8	322.4	316.2	309.9	293.3	275.6	254.8	231.9	205.9	179.9
97.5°	337.0	329.7	319.3	313.0	305.8	290.2	272.5	251.7	228.8	202.8	176.8
100°	331.8	323.4	314.1	307.8	301.6	286.0	267.3	246.5	223.6	199.7	173.7
102.5°	325.5	319.3	307.8	301.6	295.4	279.8	262.1	241.3	219.4	195.5	169.5
105°	319.3	312.0	302.6	296.4	289.1	274.6	256.9	236.1	214.2	190.3	165.4
107.5°	314.1	305.8	295.4	289.1	282.9	268.3	250.6	230.9	209.0	185.1	161.2
110°	305.8	298.5	288.1	281.8	275.6	261.0	243.4	224.6	203.8	179.9	156.0



TEST NUMBER: P241632

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

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	296.4	289.1	278.7	273.5	267.3	252.7	236.1	217.4	197.6	174.7	150.8
115°	288.1	280.8	271.4	266.2	260.0	245.4	228.8	210.1	191.4	168.5	145.6
117.5°	278.7	271.4	262.1	256.9	250.6	236.1	221.5	203.8	184.1	162.2	140.4
120°	268.3	261.0	252.7	247.5	241.3	227.8	213.2	195.5	176.8	156.0	134.2
122.5°	257.9	251.7	242.3	237.1	231.9	219.4	204.9	188.2	169.5	149.8	129.0
125°	246.5	240.2	231.9	226.7	221.5	210.1	195.5	179.9	161.2	142.5	121.7
127.5°	235.0	229.8	221.5	216.3	211.1	199.7	186.2	170.6	153.9	135.2	115.4
130°	223.6	217.4	210.1	205.9	199.7	189.3	176.8	161.2	145.6	127.9	109.2
132.5°	211.1	205.9	198.6	194.5	190.3	178.9	166.4	152.9	136.2	119.6	103.0
135°	198.6	193.4	188.2	183.0	177.8	168.5	156.0	142.5	127.9	112.3	95.7
137.5°	186.2	181.0	175.8	171.6	166.4	157.0	146.6	133.1	118.6	105.0	89.4
140°	173.7	168.5	163.3	159.1	155.0	146.6	135.2	123.8	110.2	95.7	81.1
142.5°	160.2	156.0	149.8	146.6	142.5	134.2	124.8	113.4	100.9	87.4	74.9
145°	146.6	142.5	137.3	134.2	130.0	122.7	114.4	103.0	91.5	80.1	67.6
147.5°	133.1	129.0	123.8	121.7	117.5	112.3	103.0	92.6	83.2	70.7	59.3
150°	118.6	116.5	111.3	108.2	106.1	98.8	91.5	82.2	73.8	63.4	53.0
152.5°	106.1	103.0	97.8	95.7	93.6	87.4	81.1	71.8	64.5	55.1	45.8
155°	91.5	89.4	85.3	83.2	81.1	74.9	69.7	62.4	55.1	46.8	38.5
157.5°	79.0	77.0	72.8	70.7	68.6	64.5	58.2	53.0	45.8	38.5	31.2
160°	64.5	62.4	60.3	58.2	57.2	53.0	46.8	42.6	37.4	31.2	23.9
162.5°	51.0	51.0	47.8	46.8	44.7	41.6	37.4	32.2	28.1	23.9	17.7
165°	38.5	37.4	35.4	34.3	33.3	30.2	27.0	25.0	20.8	16.6	11.4
167.5°	26.0	25.0	23.9	23.9	22.9	20.8	17.7	14.6	12.5	9.4	7.3
170°	14.6	13.5	13.5	12.5	12.5	10.4	9.4	7.3	6.2	4.2	3.1
172.5°	4.2	4.2	4.2	4.2	3.1	2.1	2.1	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: P241632

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

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0
2.5°	2498.0	2500.1	2500.1	2499.1	2508.4	2513.6	2518.8	2524.0	2529.2	2533.4	2538.6
5°	2488.7	2491.8	2490.8	2492.8	2497.0	2508.4	2512.6	2515.7	2520.9	2526.1	2532.4
7.5°	2478.3	2479.3	2478.3	2477.2	2486.6	2493.9	2498.0	2503.2	2509.5	2512.6	2517.8
10°	2462.7	2461.6	2461.6	2461.6	2467.9	2475.2	2480.4	2485.6	2489.7	2493.9	2497.0
12.5°	2440.8	2442.9	2437.7	2439.8	2440.8	2449.2	2455.4	2462.7	2463.7	2468.9	2471.0
15°	2418.0	2415.9	2415.9	2413.8	2413.8	2420.0	2424.2	2428.4	2434.6	2440.8	2445.0
17.5°	2387.8	2383.6	2381.6	2383.6	2380.5	2383.6	2389.9	2393.0	2399.2	2400.3	2411.7
20°	2353.5	2354.5	2347.2	2342.0	2341.0	2346.2	2347.2	2355.6	2359.7	2360.8	2369.1
22.5°	2316.0	2309.8	2305.6	2303.6	2302.5	2302.5	2302.5	2305.6	2311.9	2315.0	2323.3
25°	2275.5	2265.1	2262.0	2258.8	2251.6	2250.5	2253.6	2256.8	2260.9	2268.2	2274.4
27.5°	2227.6	2218.3	2215.2	2207.9	2198.5	2201.6	2201.6	2207.9	2206.8	2213.1	2221.4
30°	2173.6	2165.2	2158.0	2156.9	2140.3	2145.5	2139.2	2149.6	2147.6	2158.0	2167.3
32.5°	2124.7	2110.1	2098.7	2095.6	2082.0	2080.0	2078.9	2083.1	2083.1	2092.4	2109.1
35°	2065.4	2048.8	2035.2	2034.2	2014.4	2015.5	2008.2	2015.5	2017.6	2026.9	2043.6
37.5°	1997.8	1980.1	1972.8	1969.7	1947.9	1945.8	1940.6	1941.6	1946.8	1958.3	1970.8
40°	1930.2	1914.6	1905.2	1903.2	1883.4	1870.9	1862.6	1868.8	1867.8	1885.5	1900.0
42.5°	1862.6	1841.8	1830.4	1824.1	1810.6	1796.1	1787.7	1789.8	1795.0	1805.4	1827.2
45°	1794.0	1770.1	1756.5	1752.4	1726.4	1714.9	1706.6	1707.7	1711.8	1731.6	1743.0
47.5°	1712.9	1690.0	1677.5	1668.1	1645.3	1632.8	1620.3	1623.4	1627.6	1643.2	1665.0
50°	1630.7	1605.7	1593.3	1584.9	1567.3	1540.2	1529.8	1528.8	1535.0	1557.9	1582.9
52.5°	1550.6	1521.5	1510.1	1498.6	1471.6	1451.8	1443.5	1447.7	1450.8	1458.1	1487.2
55°	1463.3	1434.1	1418.5	1413.3	1379.0	1366.5	1350.9	1342.6	1349.9	1369.7	1398.8
57.5°	1373.8	1339.5	1324.9	1317.7	1283.3	1274.0	1251.1	1242.8	1250.1	1269.8	1297.9
60°	1270.9	1246.9	1226.1	1217.8	1190.8	1162.7	1147.1	1147.1	1157.5	1165.8	1194.9
62.5°	1174.1	1140.9	1135.7	1110.7	1083.7	1062.9	1044.1	1036.9	1050.4	1070.1	1094.1
65°	1068.1	1033.7	1027.5	1008.8	980.7	955.7	946.4	936.0	942.2	955.7	980.7
67.5°	967.2	931.8	916.2	899.6	880.9	848.6	824.7	822.6	827.8	858.0	873.6
70°	858.0	824.7	813.3	807.0	768.5	737.3	719.7	711.3	721.7	751.9	771.7
72.5°	743.6	722.8	699.9	688.5	657.3	624.0	604.2	601.1	611.5	630.2	657.3
75°	636.5	604.2	593.8	580.3	547.0	513.8	491.9	486.7	499.2	517.9	546.0
77.5°	530.4	496.1	485.7	469.0	438.9	408.7	381.7	371.3	390.0	409.8	443.0
80°	427.4	400.4	384.8	369.2	339.0	308.9	277.7	267.3	283.9	306.8	329.7
82.5°	327.6	298.5	277.7	265.2	237.1	209.0	185.1	178.9	190.3	213.2	237.1
85°	243.4	214.2	197.6	183.0	158.1	120.6	98.8	89.4	99.8	123.8	153.9
87.5°	187.2	155.0	138.3	125.8	90.5	64.5	37.4	30.2	41.6	62.4	95.7
90°	157.0	126.9	111.3	95.7	63.4	34.3	12.5	3.1	14.6	38.5	69.7
92.5°	152.9	122.7	107.1	91.5	60.3	31.2	9.4	1.0	11.4	34.3	64.5
95°	150.8	120.6	105.0	89.4	58.2	30.2	8.3	1.0	10.4	33.3	63.4
97.5°	148.7	117.5	103.0	87.4	57.2	30.2	8.3	1.0	10.4	32.2	61.4
100°	145.6	114.4	99.8	85.3	56.2	29.1	8.3	1.0	10.4	32.2	60.3
102.5°	141.4	112.3	97.8	83.2	54.1	28.1	7.3	1.0	9.4	31.2	59.3
105°	137.3	109.2	95.7	81.1	52.0	27.0	7.3	1.0	9.4	30.2	57.2
107.5°	134.2	106.1	92.6	78.0	49.9	26.0	6.2	1.0	8.3	29.1	55.1
110°	130.0	103.0	89.4	75.9	48.9	25.0	6.2	1.0	8.3	28.1	53.0



TEST NUMBER: P241632

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

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	125.8	98.8	86.3	72.8	46.8	22.9	5.2	1.0	7.3	27.0	51.0
115°	120.6	95.7	83.2	69.7	44.7	21.8	5.2	1.0	7.3	26.0	49.9
117.5°	116.5	91.5	79.0	66.6	41.6	20.8	4.2	1.0	6.2	23.9	46.8
120°	111.3	86.3	74.9	62.4	39.5	19.8	3.1	1.0	6.2	22.9	44.7
122.5°	106.1	82.2	70.7	59.3	37.4	17.7	3.1	1.0	5.2	21.8	42.6
125°	100.9	78.0	66.6	56.2	35.4	16.6	2.1	1.0	5.2	19.8	40.6
127.5°	95.7	73.8	63.4	53.0	33.3	14.6	2.1	1.0	4.2	18.7	38.5
130°	89.4	68.6	59.3	48.9	30.2	13.5	2.1	1.0	3.1	16.6	34.3
132.5°	84.2	63.4	55.1	45.8	28.1	11.4	2.1	1.0	3.1	14.6	31.2
135°	78.0	59.3	51.0	42.6	25.0	10.4	1.0	1.0	2.1	12.5	27.0
137.5°	71.8	55.1	46.8	38.5	22.9	8.3	2.1	2.1	2.1	10.4	23.9
140°	65.5	49.9	41.6	34.3	19.8	7.3	2.1	2.1	2.1	9.4	20.8
142.5°	59.3	44.7	37.4	31.2	17.7	5.2	2.1	2.1	2.1	7.3	17.7
145°	54.1	40.6	33.3	27.0	14.6	4.2	2.1	2.1	2.1	6.2	14.6
147.5°	47.8	35.4	29.1	23.9	12.5	3.1	2.1	2.1	2.1	5.2	12.5
150°	41.6	30.2	25.0	19.8	9.4	2.1	2.1	2.1	2.1	4.2	11.4
152.5°	35.4	25.0	20.8	16.6	7.3	2.1	2.1	2.1	2.1	4.2	9.4
155°	29.1	20.8	16.6	12.5	5.2	2.1	2.1	2.1	2.1	3.1	7.3
157.5°	23.9	16.6	13.5	9.4	3.1	2.1	2.1	2.1	2.1	3.1	6.2
160°	18.7	11.4	9.4	6.2	2.1	2.1	2.1	2.1	2.1	3.1	4.2
162.5°	13.5	8.3	5.2	4.2	2.1	2.1	2.1	3.1	2.1	2.1	4.2
165°	8.3	4.2	3.1	2.1	2.1	2.1	2.1	3.1	3.1	2.1	3.1
167.5°	4.2	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
170°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
172.5°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
175°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
177.5°	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P241632

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

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0
2.5°	2538.6	2539.6	2539.6	2539.6	2534.4	2526.1	2523.0	2515.7	2517.8	2522.0	2522.0
5°	2533.4	2534.4	2532.4	2531.3	2526.1	2516.8	2514.7	2511.6	2509.5	2516.8	2516.8
7.5°	2519.9	2518.8	2519.9	2520.9	2516.8	2509.5	2505.3	2501.2	2504.3	2509.5	2510.5
10°	2501.2	2503.2	2503.2	2502.2	2500.1	2494.9	2493.9	2490.8	2493.9	2498.0	2502.2
12.5°	2477.2	2480.4	2480.4	2482.4	2480.4	2475.2	2478.3	2474.1	2480.4	2489.7	2490.8
15°	2450.2	2451.2	2451.2	2457.5	2457.5	2456.4	2458.5	2457.5	2464.8	2468.9	2471.0
17.5°	2418.0	2418.0	2423.2	2430.4	2431.5	2423.2	2429.4	2430.4	2434.6	2444.0	2450.2
20°	2377.4	2384.7	2382.6	2390.9	2390.9	2392.0	2396.1	2400.3	2406.5	2411.7	2424.2
22.5°	2332.7	2341.0	2341.0	2346.2	2353.5	2357.6	2358.7	2363.9	2372.2	2387.8	2386.8
25°	2290.0	2290.0	2297.3	2302.5	2304.6	2316.0	2311.9	2328.5	2334.8	2347.2	2349.3
27.5°	2238.0	2239.1	2248.4	2257.8	2259.9	2263.0	2274.4	2279.6	2293.2	2299.4	2310.8
30°	2180.8	2190.2	2193.3	2206.8	2211.0	2218.3	2224.5	2232.8	2248.4	2253.6	2262.0
32.5°	2120.5	2133.0	2136.1	2147.6	2151.7	2163.2	2168.4	2175.6	2192.3	2203.7	2214.1
35°	2054.0	2064.4	2072.7	2089.3	2095.6	2102.8	2110.1	2124.7	2142.4	2147.6	2156.9
37.5°	1988.4	1999.9	2008.2	2022.8	2031.1	2044.6	2054.0	2063.3	2077.9	2090.4	2097.6
40°	1920.8	1932.3	1935.4	1955.2	1963.5	1979.1	1988.4	2004.0	2015.5	2028.0	2044.6
42.5°	1844.9	1856.4	1861.6	1881.3	1895.9	1903.2	1920.8	1933.3	1951.0	1958.3	1968.7
45°	1769.0	1777.3	1785.7	1804.4	1820.0	1829.3	1850.1	1860.5	1873.0	1887.6	1895.9
47.5°	1683.7	1694.1	1702.5	1724.3	1739.9	1757.6	1771.1	1785.7	1802.3	1811.7	1829.3
50°	1600.5	1610.9	1618.2	1641.1	1656.7	1670.2	1693.1	1712.9	1722.2	1735.7	1746.1
52.5°	1510.1	1524.6	1534.0	1558.9	1575.6	1591.2	1604.7	1625.5	1632.8	1656.7	1667.1
55°	1413.3	1428.9	1443.5	1463.3	1477.8	1508.0	1513.2	1536.1	1554.8	1567.3	1572.5
57.5°	1318.7	1331.2	1348.9	1369.7	1393.6	1410.2	1424.8	1441.4	1452.9	1466.4	1484.1
60°	1220.9	1240.7	1241.7	1266.7	1286.5	1312.5	1334.3	1344.7	1365.5	1373.8	1386.3
62.5°	1120.1	1127.3	1149.2	1173.1	1186.6	1212.6	1227.2	1250.1	1263.6	1283.3	1296.9
65°	1008.8	1027.5	1046.2	1058.7	1086.8	1104.5	1123.2	1146.1	1157.5	1183.5	1189.7
67.5°	905.8	923.5	929.7	955.7	978.6	1006.7	1026.5	1045.2	1057.7	1074.3	1096.1
70°	803.9	815.3	823.7	851.7	876.7	897.5	919.3	944.3	958.9	971.3	981.7
72.5°	687.4	695.7	718.6	739.4	765.4	790.4	812.2	834.1	850.7	864.2	876.7
75°	573.0	585.5	611.5	638.5	660.4	691.6	704.1	725.9	739.4	763.3	771.7
77.5°	473.2	488.8	500.2	533.5	553.3	585.5	608.4	626.1	635.4	655.2	672.9
80°	367.1	384.8	395.2	427.4	453.4	474.2	495.0	516.9	542.9	561.6	566.8
82.5°	274.6	282.9	296.4	331.8	358.8	392.1	412.9	428.5	450.3	464.9	477.4
85°	190.3	198.6	220.5	246.5	274.6	304.7	327.6	352.6	368.2	386.9	401.4
87.5°	125.8	141.4	160.2	190.3	215.3	244.4	269.4	290.2	311.0	328.6	342.2
90°	100.9	116.5	133.1	163.3	192.4	219.4	244.4	267.3	287.0	305.8	319.3
92.5°	96.7	112.3	127.9	159.1	187.2	215.3	240.2	264.2	282.9	300.6	316.2
95°	94.6	110.2	125.8	156.0	185.1	212.2	237.1	261.0	280.8	298.5	313.0
97.5°	92.6	108.2	123.8	153.9	182.0	210.1	234.0	256.9	277.7	295.4	309.9
100°	90.5	105.0	120.6	149.8	178.9	205.9	230.9	253.8	273.5	291.2	305.8
102.5°	88.4	103.0	118.6	146.6	174.7	200.7	225.7	247.5	268.3	285.0	299.5
105°	85.3	99.8	115.4	143.5	170.6	195.5	220.5	242.3	263.1	278.7	293.3
107.5°	83.2	97.8	111.3	140.4	166.4	191.4	214.2	236.1	255.8	273.5	287.0
110°	80.1	94.6	108.2	135.2	162.2	186.2	209.0	230.9	249.6	267.3	280.8



TEST NUMBER: P241632

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

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	78.0	91.5	105.0	131.0	156.0	181.0	202.8	223.6	243.4	259.0	272.5
115°	74.9	88.4	100.9	126.9	151.8	175.8	196.6	217.4	235.0	251.7	265.2
117.5°	71.8	84.2	97.8	121.7	146.6	168.5	190.3	209.0	226.7	242.3	255.8
120°	68.6	81.1	93.6	117.5	140.4	163.3	183.0	201.8	218.4	234.0	246.5
122.5°	65.5	77.0	89.4	112.3	134.2	156.0	175.8	193.4	210.1	223.6	237.1
125°	62.4	73.8	85.3	107.1	127.9	148.7	167.4	185.1	200.7	214.2	226.7
127.5°	59.3	69.7	80.1	101.9	122.7	141.4	160.2	176.8	191.4	204.9	216.3
130°	55.1	65.5	74.9	95.7	115.4	134.2	151.8	167.4	183.0	194.5	205.9
132.5°	48.9	59.3	69.7	89.4	109.2	126.9	143.5	159.1	172.6	184.1	195.5
135°	43.7	53.0	62.4	80.1	99.8	118.6	134.2	148.7	162.2	172.6	184.1
137.5°	38.5	46.8	55.1	71.8	89.4	107.1	125.8	139.4	151.8	162.2	171.6
140°	34.3	40.6	48.9	63.4	80.1	95.7	113.4	130.0	141.4	151.8	161.2
142.5°	29.1	36.4	43.7	56.2	69.7	84.2	100.9	116.5	131.0	139.4	148.7
145°	25.0	31.2	37.4	48.9	60.3	73.8	86.3	104.0	118.6	129.0	136.2
147.5°	21.8	26.0	32.2	42.6	52.0	63.4	75.9	89.4	103.0	116.5	123.8
150°	18.7	22.9	27.0	35.4	44.7	54.1	63.4	75.9	86.3	100.9	111.3
152.5°	15.6	19.8	22.9	30.2	37.4	45.8	54.1	64.5	73.8	84.2	97.8
155°	13.5	16.6	19.8	25.0	31.2	37.4	44.7	53.0	61.4	70.7	81.1
157.5°	10.4	13.5	16.6	20.8	26.0	30.2	36.4	41.6	49.9	55.1	64.5
160°	8.3	10.4	12.5	16.6	20.8	25.0	28.1	33.3	38.5	42.6	49.9
162.5°	6.2	8.3	10.4	13.5	16.6	19.8	21.8	25.0	28.1	32.2	37.4
165°	4.2	6.2	7.3	9.4	12.5	14.6	16.6	17.7	19.8	22.9	26.0
167.5°	3.1	4.2	5.2	6.2	8.3	10.4	11.4	12.5	13.5	14.6	16.6
170°	3.1	3.1	3.1	4.2	5.2	6.2	7.3	7.3	8.3	8.3	9.4
172.5°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
175°	3.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0
177.5°	3.1	2.1	2.1	2.1	2.1	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: P241632

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0
2.5°	2523.0	2525.1	2525.1	2525.1	2525.1	2524.0	2525.1	2525.1	2524.0	2524.0	2524.0
5°	2518.8	2518.8	2522.0	2520.9	2522.0	2520.9	2520.9	2518.8	2520.9	2519.9	2518.8
7.5°	2512.6	2513.6	2514.7	2516.8	2515.7	2514.7	2515.7	2513.6	2512.6	2512.6	2512.6
10°	2503.2	2506.4	2508.4	2510.5	2508.4	2509.5	2508.4	2507.4	2504.3	2505.3	2505.3
12.5°	2489.7	2491.8	2494.9	2494.9	2496.0	2493.9	2498.0	2494.9	2492.8	2494.9	2489.7
15°	2475.2	2473.1	2477.2	2481.4	2480.4	2479.3	2481.4	2478.3	2477.2	2474.1	2476.2
17.5°	2456.4	2455.4	2461.6	2460.6	2460.6	2459.6	2458.5	2457.5	2454.4	2453.3	2452.3
20°	2425.2	2430.4	2431.5	2434.6	2434.6	2434.6	2434.6	2429.4	2427.3	2426.3	2425.2
22.5°	2394.0	2396.1	2399.2	2402.4	2403.4	2404.4	2403.4	2404.4	2400.3	2398.2	2397.2
25°	2353.5	2362.8	2370.1	2374.3	2370.1	2372.2	2371.2	2368.0	2369.1	2360.8	2361.8
27.5°	2310.8	2317.1	2324.4	2329.6	2328.5	2330.6	2330.6	2329.6	2325.4	2324.4	2321.2
30°	2267.2	2272.4	2273.4	2280.7	2283.8	2286.9	2283.8	2282.8	2280.7	2273.4	2274.4
32.5°	2220.4	2219.3	2230.8	2229.7	2233.9	2239.1	2236.0	2234.9	2229.7	2226.6	2225.6
35°	2159.0	2165.2	2172.5	2176.7	2176.7	2178.8	2181.9	2177.7	2177.7	2171.5	2171.5
37.5°	2108.0	2108.0	2112.2	2118.4	2121.6	2125.7	2122.6	2124.7	2114.3	2116.4	2110.1
40°	2041.5	2045.6	2051.9	2055.0	2058.1	2067.5	2061.2	2055.0	2051.9	2054.0	2043.6
42.5°	1976.0	1974.9	1983.2	1988.4	1990.5	1995.7	1993.6	1992.6	1989.5	1982.2	1976.0
45°	1900.0	1908.4	1912.5	1915.6	1921.9	1926.0	1920.8	1922.9	1914.6	1907.3	1905.2
47.5°	1831.4	1833.5	1835.6	1844.9	1841.8	1847.0	1849.1	1851.2	1844.9	1836.6	1834.5
50°	1753.4	1750.3	1760.7	1766.9	1764.9	1769.0	1771.1	1770.1	1764.9	1752.4	1751.3
52.5°	1666.1	1667.1	1676.5	1684.8	1680.6	1684.8	1688.9	1687.9	1676.5	1675.4	1670.2
55°	1579.7	1582.9	1592.2	1593.3	1596.4	1603.7	1599.5	1595.3	1597.4	1588.1	1581.8
57.5°	1489.3	1489.3	1499.7	1505.9	1505.9	1513.2	1512.1	1506.9	1504.9	1502.8	1493.4
60°	1395.7	1398.8	1406.1	1410.2	1419.6	1420.6	1413.3	1417.5	1415.4	1401.9	1394.6
62.5°	1296.9	1295.8	1311.4	1315.6	1317.7	1318.7	1315.6	1320.8	1310.4	1304.1	1305.2
65°	1190.8	1194.9	1206.4	1223.0	1218.9	1219.9	1214.7	1215.7	1209.5	1202.2	1198.1
67.5°	1100.3	1103.4	1105.5	1116.9	1128.4	1120.1	1114.9	1112.8	1106.5	1106.5	1098.2
70°	985.9	991.1	1012.9	1010.9	1014.0	1010.9	1017.1	1018.1	1001.5	992.1	999.4
72.5°	891.3	886.1	907.9	901.7	906.9	910.0	911.0	901.7	899.6	890.2	886.1
75°	777.9	790.4	797.7	798.7	799.7	813.3	810.1	804.9	793.5	778.9	783.1
77.5°	680.1	685.3	689.5	693.7	696.8	703.0	704.1	700.9	690.5	687.4	681.2
80°	577.2	584.5	594.9	595.9	598.0	603.2	605.3	600.1	591.8	576.2	569.9
82.5°	483.6	489.8	506.5	509.6	513.8	507.5	514.8	507.5	495.0	489.8	484.6
85°	404.6	413.9	420.2	425.4	429.5	435.8	429.5	428.5	420.2	411.8	402.5
87.5°	351.5	356.7	368.2	371.3	373.4	379.6	377.5	373.4	364.0	352.6	349.4
90°	326.6	332.8	343.2	349.4	353.6	353.6	352.6	348.4	341.1	331.8	324.5
92.5°	324.5	331.8	341.1	346.3	350.5	351.5	350.5	345.3	338.0	327.6	321.4
95°	320.3	326.6	337.0	343.2	346.3	348.4	346.3	343.2	335.9	324.5	319.3
97.5°	317.2	323.4	332.8	340.1	343.2	345.3	343.2	339.0	331.8	321.4	315.1
100°	311.0	318.2	327.6	334.9	338.0	340.1	339.0	333.8	326.6	317.2	311.0
102.5°	305.8	312.0	321.4	328.6	331.8	332.8	331.8	327.6	320.3	311.0	304.7
105°	300.6	305.8	315.1	321.4	325.5	326.6	325.5	322.4	315.1	304.7	298.5
107.5°	293.3	299.5	308.9	315.1	318.2	320.3	318.2	315.1	307.8	297.4	292.2
110°	287.0	291.2	300.6	306.8	311.0	312.0	311.0	306.8	299.5	290.2	283.9





TEST NUMBER: P241632

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	278.7	283.9	293.3	298.5	301.6	303.7	302.6	297.4	291.2	280.8	275.6
115°	270.4	275.6	285.0	290.2	293.3	295.4	294.3	290.2	281.8	272.5	267.3
117.5°	261.0	267.3	275.6	279.8	283.9	285.0	283.9	279.8	273.5	265.2	257.9
120°	252.7	256.9	265.2	270.4	273.5	274.6	273.5	269.4	263.1	253.8	249.6
122.5°	242.3	247.5	255.8	262.1	264.2	265.2	264.2	261.0	253.8	244.4	239.2
125°	231.9	236.1	244.4	249.6	252.7	254.8	252.7	248.6	241.3	234.0	228.8
127.5°	220.5	225.7	234.0	238.2	241.3	243.4	241.3	236.1	230.9	223.6	218.4
130°	210.1	215.3	221.5	226.7	229.8	230.9	228.8	225.7	220.5	212.2	208.0
132.5°	199.7	203.8	210.1	215.3	217.4	218.4	216.3	213.2	208.0	200.7	195.5
135°	188.2	191.4	197.6	201.8	204.9	205.9	203.8	199.7	195.5	189.3	185.1
137.5°	175.8	179.9	185.1	190.3	192.4	193.4	191.4	188.2	183.0	176.8	172.6
140°	164.3	166.4	173.7	175.8	178.9	179.9	176.8	173.7	169.5	163.3	160.2
142.5°	151.8	155.0	160.2	163.3	166.4	166.4	164.3	161.2	157.0	150.8	148.7
145°	139.4	141.4	146.6	149.8	151.8	151.8	150.8	147.7	144.6	138.3	136.2
147.5°	126.9	129.0	133.1	136.2	138.3	139.4	137.3	135.2	131.0	125.8	122.7
150°	114.4	115.4	119.6	121.7	123.8	123.8	122.7	120.6	116.5	113.4	110.2
152.5°	100.9	101.9	106.1	108.2	109.2	111.3	109.2	106.1	104.0	99.8	97.8
155°	88.4	90.5	92.6	94.6	95.7	95.7	94.6	93.6	90.5	87.4	84.2
157.5°	70.7	77.0	80.1	81.1	81.1	82.2	81.1	79.0	78.0	74.9	72.8
160°	55.1	59.3	65.5	68.6	68.6	67.6	67.6	65.5	64.5	61.4	61.4
162.5°	40.6	43.7	52.0	53.0	55.1	54.1	54.1	54.1	52.0	51.0	47.8
165°	28.1	30.2	36.4	41.6	41.6	40.6	40.6	39.5	39.5	37.4	35.4
167.5°	17.7	18.7	21.8	29.1	29.1	28.1	28.1	28.1	27.0	25.0	25.0
170°	9.4	10.4	11.4	13.5	16.6	16.6	15.6	16.6	15.6	14.6	13.5
172.5°	3.1	3.1	2.1	3.1	6.2	6.2	6.2	6.2	6.2	5.2	5.2
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: P241632

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

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0	2522.0
2.5°	2524.0	2522.0	2518.8	2513.6	2508.4	2508.4	2508.4	2511.6	2513.6	2512.6	2513.6
5°	2518.8	2513.6	2511.6	2505.3	2502.2	2502.2	2500.1	2503.2	2508.4	2506.4	2507.4
7.5°	2512.6	2509.5	2504.3	2497.0	2490.8	2489.7	2489.7	2490.8	2492.8	2491.8	2490.8
10°	2502.2	2498.0	2494.9	2485.6	2478.3	2475.2	2474.1	2477.2	2475.2	2475.2	2474.1
12.5°	2490.8	2485.6	2479.3	2468.9	2462.7	2456.4	2456.4	2454.4	2455.4	2455.4	2453.3
15°	2470.0	2470.0	2460.6	2452.3	2441.9	2435.6	2431.5	2431.5	2430.4	2429.4	2425.2
17.5°	2450.2	2445.0	2435.6	2425.2	2419.0	2411.7	2406.5	2400.3	2399.2	2398.2	2392.0
20°	2425.2	2415.9	2410.7	2399.2	2389.9	2381.6	2372.2	2366.0	2364.9	2358.7	2354.5
22.5°	2394.0	2386.8	2378.4	2368.0	2353.5	2344.1	2337.9	2329.6	2322.3	2320.2	2316.0
25°	2359.7	2354.5	2348.3	2329.6	2317.1	2307.7	2296.3	2286.9	2277.6	2274.4	2269.2
27.5°	2319.2	2309.8	2303.6	2293.2	2276.5	2258.8	2249.5	2237.0	2230.8	2224.5	2222.4
30°	2269.2	2266.1	2253.6	2243.2	2227.6	2213.1	2203.7	2181.9	2178.8	2170.4	2161.1
32.5°	2222.4	2219.3	2203.7	2192.3	2175.6	2162.1	2147.6	2130.9	2116.4	2114.3	2103.9
35°	2164.2	2163.2	2148.6	2136.1	2120.5	2108.0	2088.3	2073.7	2055.0	2048.8	2042.5
37.5°	2103.9	2103.9	2088.3	2074.8	2061.2	2043.6	2026.9	2003.0	1995.7	1983.2	1977.0
40°	2039.4	2032.1	2023.8	2013.4	1992.6	1977.0	1958.3	1940.6	1924.0	1913.6	1907.3
42.5°	1970.8	1968.7	1961.4	1947.9	1926.0	1906.3	1891.7	1872.0	1849.1	1846.0	1833.5
45°	1902.1	1900.0	1884.4	1873.0	1854.3	1835.6	1816.9	1792.9	1775.3	1768.0	1755.5
47.5°	1823.1	1821.0	1812.7	1792.9	1777.3	1755.5	1738.9	1712.9	1691.0	1681.7	1670.2
50°	1748.2	1737.8	1727.4	1713.9	1693.1	1678.5	1658.8	1635.9	1616.1	1598.5	1593.3
52.5°	1667.1	1654.6	1641.1	1633.8	1606.8	1594.3	1571.4	1542.3	1525.7	1516.3	1500.7
55°	1576.6	1566.2	1562.1	1535.0	1522.5	1499.7	1485.1	1461.2	1440.4	1416.5	1412.3
57.5°	1487.2	1473.7	1462.2	1443.5	1435.2	1412.3	1392.5	1360.3	1341.6	1323.9	1310.4
60°	1392.5	1383.2	1365.5	1349.9	1333.3	1318.7	1294.8	1260.5	1237.6	1225.1	1224.1
62.5°	1291.7	1282.3	1277.1	1246.9	1237.6	1208.5	1187.7	1165.8	1131.5	1121.1	1108.6
65°	1190.8	1184.5	1164.8	1149.2	1126.3	1110.7	1089.9	1061.8	1036.9	1017.1	1001.5
67.5°	1097.2	1084.7	1067.0	1044.1	1028.5	1007.7	980.7	946.4	919.3	913.1	896.5
70°	986.9	969.3	960.9	933.9	915.2	899.6	869.4	845.5	814.3	794.5	780.0
72.5°	884.0	867.3	853.8	830.9	809.1	784.1	761.3	732.1	702.0	683.3	671.8
75°	777.9	762.3	750.9	726.9	708.2	680.1	646.9	620.9	600.1	575.1	558.5
77.5°	670.8	654.1	647.9	614.6	591.8	577.2	547.0	517.9	482.6	472.2	452.4
80°	564.7	551.2	541.8	510.6	491.9	463.8	442.0	412.9	382.7	363.0	350.5
82.5°	481.5	464.9	439.9	422.2	397.3	375.4	343.2	320.3	285.0	270.4	255.8
85°	398.3	379.6	366.1	339.0	323.4	300.6	270.4	237.1	208.0	191.4	175.8
87.5°	341.1	323.4	309.9	286.0	264.2	235.0	211.1	182.0	147.7	133.1	119.6
90°	318.2	301.6	283.9	263.1	240.2	214.2	187.2	158.1	126.9	111.3	95.7
92.5°	315.1	299.5	281.8	260.0	237.1	211.1	184.1	155.0	124.8	108.2	92.6
95°	312.0	296.4	278.7	256.9	234.0	209.0	182.0	152.9	122.7	106.1	90.5
97.5°	308.9	293.3	275.6	253.8	230.9	205.9	178.9	150.8	119.6	104.0	88.4
100°	303.7	288.1	270.4	249.6	226.7	201.8	175.8	147.7	117.5	101.9	87.4
102.5°	298.5	282.9	265.2	244.4	221.5	197.6	171.6	143.5	114.4	98.8	84.2
105°	291.2	275.6	259.0	239.2	217.4	193.4	166.4	140.4	111.3	96.7	82.2
107.5°	285.0	270.4	252.7	233.0	211.1	188.2	162.2	136.2	108.2	93.6	79.0
110°	277.7	263.1	246.5	226.7	205.9	183.0	158.1	132.1	105.0	90.5	77.0



TEST NUMBER: P241632

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

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	269.4	254.8	239.2	220.5	199.7	176.8	152.9	127.9	100.9	87.4	73.8
115°	261.0	248.6	231.9	213.2	192.4	170.6	147.7	122.7	96.7	83.2	70.7
117.5°	252.7	239.2	223.6	205.9	186.2	164.3	141.4	117.5	92.6	80.1	67.6
120°	242.3	229.8	215.3	198.6	178.9	158.1	136.2	112.3	88.4	75.9	64.5
122.5°	234.0	221.5	207.0	190.3	171.6	150.8	130.0	108.2	84.2	71.8	60.3
125°	223.6	211.1	197.6	181.0	163.3	143.5	123.8	103.0	79.0	67.6	57.2
127.5°	214.2	202.8	188.2	172.6	155.0	137.3	117.5	97.8	74.9	64.5	54.1
130°	202.8	191.4	177.8	163.3	147.7	129.0	111.3	91.5	70.7	60.3	49.9
132.5°	192.4	181.0	168.5	155.0	139.4	121.7	104.0	85.3	65.5	56.2	46.8
135°	181.0	169.5	158.1	144.6	130.0	114.4	97.8	79.0	61.4	52.0	42.6
137.5°	168.5	159.1	147.7	135.2	121.7	106.1	90.5	73.8	56.2	47.8	39.5
140°	157.0	147.7	137.3	125.8	111.3	97.8	83.2	67.6	52.0	42.6	36.4
142.5°	144.6	136.2	125.8	115.4	101.9	90.5	75.9	61.4	46.8	38.5	32.2
145°	133.1	123.8	115.4	105.0	92.6	82.2	68.6	55.1	41.6	35.4	28.1
147.5°	120.6	113.4	104.0	94.6	84.2	72.8	61.4	48.9	36.4	30.2	25.0
150°	107.1	100.9	93.6	84.2	74.9	65.5	54.1	42.6	31.2	26.0	20.8
152.5°	95.7	88.4	83.2	73.8	65.5	56.2	46.8	36.4	27.0	21.8	17.7
155°	82.2	77.0	70.7	64.5	56.2	48.9	39.5	31.2	21.8	17.7	13.5
157.5°	70.7	66.6	60.3	54.1	46.8	39.5	33.3	25.0	17.7	13.5	10.4
160°	58.2	54.1	48.9	44.7	38.5	32.2	26.0	19.8	13.5	10.4	7.3
162.5°	46.8	43.7	38.5	34.3	30.2	25.0	19.8	14.6	9.4	6.2	4.2
165°	34.3	32.2	29.1	25.0	21.8	17.7	13.5	9.4	5.2	4.2	3.1
167.5°	23.9	21.8	18.7	16.6	14.6	10.4	8.3	5.2	3.1	3.1	2.1
170°	13.5	11.4	10.4	8.3	7.3	5.2	3.1	3.1	2.1	2.1	2.1
172.5°	4.2	3.1	3.1	2.1	2.1	1.0	1.0	2.1	2.1	2.1	2.1
175°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.1	2.1	2.1	2.1
177.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.1	2.1	2.1	2.1
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: P241632

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

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	2522.0	2522.0	2522.0	2522.0
2.5°	2515.7	2522.0	2526.1	2527.2
5°	2507.4	2514.7	2515.7	2519.9
7.5°	2492.8	2501.2	2503.2	2505.3
10°	2474.1	2480.4	2486.6	2488.7
12.5°	2450.2	2458.5	2459.6	2460.6
15°	2424.2	2426.3	2431.5	2430.4
17.5°	2386.8	2390.9	2397.2	2395.1
20°	2350.4	2353.5	2358.7	2354.5
22.5°	2309.8	2305.6	2309.8	2314.0
25°	2258.8	2258.8	2262.0	2258.8
27.5°	2207.9	2203.7	2201.6	2205.8
30°	2152.8	2144.4	2141.3	2145.5
32.5°	2089.3	2080.0	2080.0	2080.0
35°	2032.1	2022.8	2012.4	2010.3
37.5°	1962.4	1947.9	1939.6	1941.6
40°	1891.7	1873.0	1872.0	1863.6
42.5°	1812.7	1798.1	1791.9	1789.8
45°	1735.7	1712.9	1705.6	1702.5
47.5°	1648.4	1631.7	1618.2	1617.2
50°	1564.1	1547.5	1535.0	1535.0
52.5°	1472.6	1453.9	1440.4	1434.1
55°	1384.2	1356.1	1339.5	1344.7
57.5°	1284.4	1257.3	1238.6	1235.5
60°	1188.7	1161.7	1141.9	1142.9
62.5°	1077.4	1062.9	1036.9	1032.7
65°	981.7	955.7	926.6	919.3
67.5°	863.2	846.5	820.5	814.3
70°	755.0	733.2	711.3	694.7
72.5°	643.7	615.7	602.2	591.8
75°	536.6	498.2	487.8	486.7
77.5°	425.4	393.1	378.6	363.0
80°	316.2	294.3	270.4	257.9
82.5°	223.6	193.4	167.4	162.2
85°	140.4	111.3	87.4	75.9
87.5°	84.2	55.1	34.3	22.9
90°	63.4	33.3	10.4	1.0
92.5°	61.4	32.2	9.4	1.0
95°	59.3	31.2	8.3	1.0
97.5°	58.2	30.2	8.3	1.0
100°	57.2	29.1	8.3	1.0
102.5°	55.1	28.1	7.3	1.0
105°	54.1	27.0	7.3	1.0
107.5°	52.0	26.0	7.3	1.0
110°	49.9	25.0	6.2	1.0



TEST NUMBER: P241632

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

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
112.5°	47.8	23.9	6.2	1.0
115°	45.8	22.9	5.2	1.0
117.5°	42.6	20.8	4.2	1.0
120°	40.6	19.8	4.2	1.0
122.5°	38.5	18.7	3.1	1.0
125°	36.4	16.6	3.1	1.0
127.5°	34.3	15.6	2.1	1.0
130°	31.2	13.5	2.1	1.0
132.5°	29.1	12.5	2.1	1.0
135°	26.0	11.4	2.1	2.1
137.5°	23.9	9.4	2.1	2.1
140°	20.8	8.3	2.1	2.1
142.5°	18.7	6.2	2.1	2.1
145°	15.6	5.2	2.1	2.1
147.5°	13.5	4.2	2.1	2.1
150°	10.4	3.1	2.1	2.1
152.5°	8.3	3.1	2.1	2.1
155°	6.2	2.1	2.1	2.1
157.5°	4.2	2.1	2.1	2.1
160°	3.1	2.1	2.1	2.1
162.5°	3.1	2.1	3.1	3.1
165°	2.1	2.1	3.1	3.1
167.5°	2.1	3.1	3.1	3.1
170°	2.1	3.1	3.1	3.1
172.5°	2.1	3.1	3.1	3.1
175°	3.1	3.1	3.1	3.1
177.5°	3.1	3.1	3.1	3.1
180°	1.0	1.0	1.0	1.0

(END OF REPORT)