

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: P241622

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P241622  
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-LD4-35-3LO-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

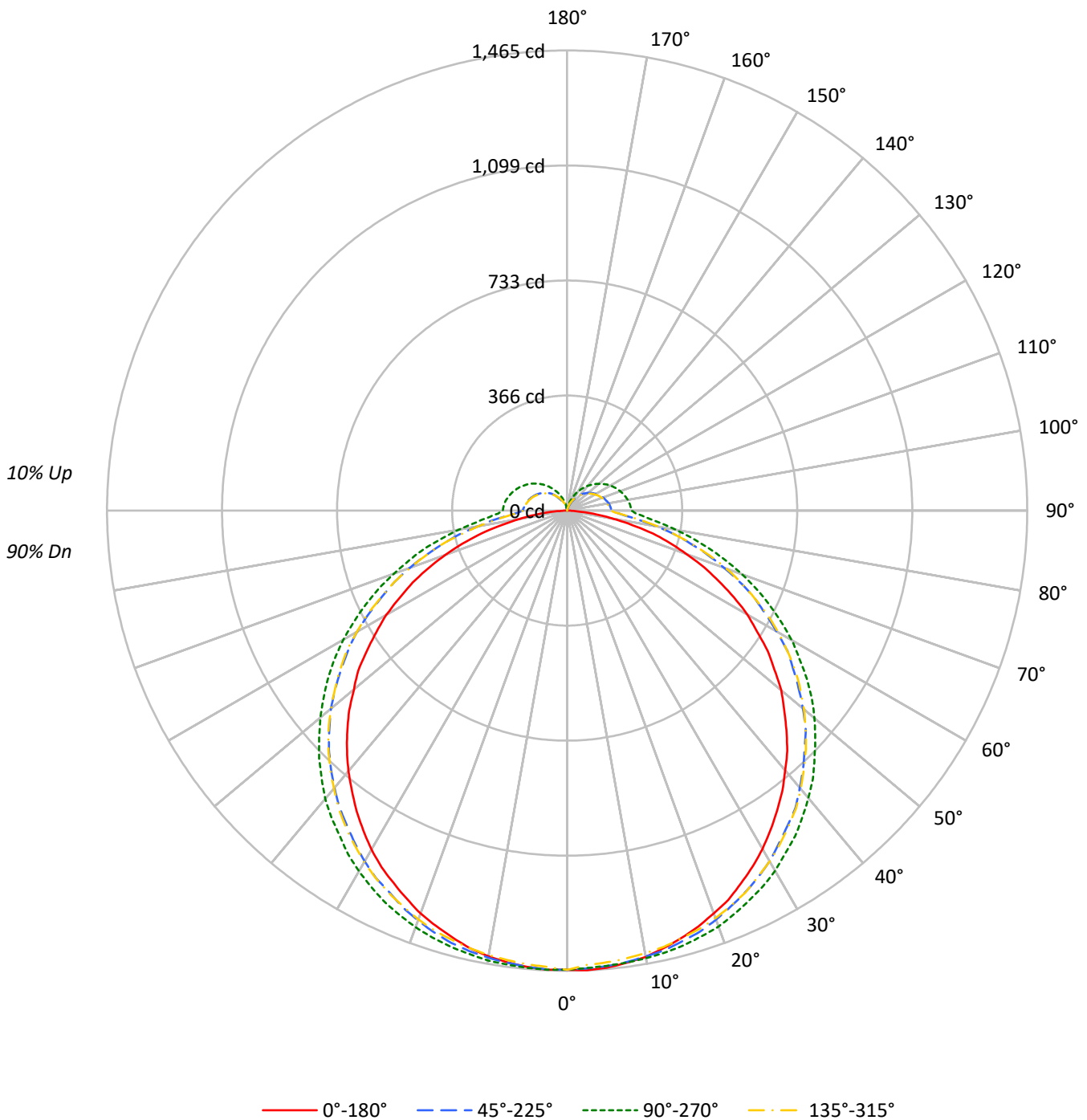
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5303.0 lumens  
Efficiency: N/A  
Efficacy: 158.3 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): 33.5  
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	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°	6533	6533	6533	6533
5°	6530	6399	6520	6428
10°	6502	6314	6493	6349
15°	6450	6252	6445	6270
20°	6400	6194	6402	6202
25°	6341	6113	6335	6135
30°	6276	6047	6288	6052
35°	6188	5961	6204	5950
40°	6102	5860	6119	5878
45°	6002	5744	6021	5756
50°	5911	5631	5887	5618
55°	5752	5484	5743	5477
60°	5546	5310	5566	5291
65°	5199	5064	5293	5038
70°	4752	4768	4865	4725
75°	4251	4395	4251	4417
80°	3149	3952	3263	3945
85°	1559	3626	1836	3617



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.6	2.6
10°-20°	401.3	7.6
20°-30°	619.1	11.7
30°-40°	764.9	14.4
40°-50°	820.7	15.5
50°-60°	777.0	14.7
60°-70°	635.0	12.0
70°-80°	417.4	7.9
80°-90°	198.9	3.8
90°-100°	132.4	2.5
100°-110°	119.4	2.3
110°-120°	100.1	1.9
120°-130°	77.1	1.5
130°-140°	53.0	1.0
140°-150°	30.8	0.6
150°-160°	13.6	0.3
160°-170°	3.5	0.1
170°-180°	0.2	0.0
0°-30°	1159.0	21.9
0°-40°	1923.9	36.3
0°-60°	3521.6	66.4
0°-90°	4772.9	90.0
90°-120°	351.9	6.6
90°-150°	512.8	9.7
90°-180°	530.0	10.0
0°-180°	5303.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1462	1462	1462	1462	1462	
5°	1461	1455	1458	1461	1461	139
15°	1409	1433	1408	1437	1409	398
25°	1309	1370	1308	1375	1309	604
35°	1165	1265	1168	1263	1165	730
45°	987	1114	990	1116	987	762
55°	779	931	778	930	779	694
65°	533	711	542	707	533	528
75°	282	469	282	471	282	293
85°	44	253	52	253	44	60
90°	1	204	2	205	1	2
95°	1	201	1	202	1	0
105°	1	189	1	189	1	1
115°	1	170	1	171	1	1
125°	1	146	1	148	1	1
135°	1	118	1	119	1	1
145°	1	87	1	88	1	1
155°	1	54	1	56	1	1
165°	2	24	2	24	2	0
175°	2	0	2	0	2	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1464.8	1466.6	1469.6	1472.0	1472.6	1472.6	1471.4	1470.8	1466.6	1463.0	1458.8
5°	1460.6	1461.8	1466.0	1467.8	1468.4	1467.8	1466.0	1466.0	1462.4	1457.6	1455.8
7.5°	1452.1	1455.8	1457.0	1458.2	1459.4	1460.6	1459.4	1458.2	1455.8	1452.1	1449.7
10°	1442.5	1443.1	1445.5	1449.1	1449.1	1450.3	1449.1	1449.7	1446.7	1444.3	1441.3
12.5°	1426.2	1428.0	1430.4	1434.7	1435.9	1437.1	1435.9	1437.1	1434.1	1432.3	1433.5
15°	1408.7	1412.4	1413.0	1416.6	1419.6	1420.2	1420.8	1423.2	1419.6	1420.2	1419.0
17.5°	1388.3	1388.9	1392.5	1394.3	1398.5	1402.1	1400.3	1403.9	1403.9	1403.9	1405.7
20°	1364.7	1364.1	1367.2	1373.8	1377.4	1378.6	1379.8	1384.0	1384.6	1385.8	1385.8
22.5°	1341.2	1339.4	1341.2	1348.5	1350.3	1353.3	1358.1	1361.1	1360.5	1362.3	1363.5
25°	1309.3	1309.9	1312.9	1321.9	1324.4	1328.0	1330.4	1335.2	1336.4	1339.4	1341.2
27.5°	1278.5	1278.5	1284.0	1288.8	1293.6	1296.6	1300.8	1308.1	1308.1	1312.9	1315.9
30°	1243.6	1243.0	1249.0	1254.4	1261.7	1265.9	1269.5	1276.7	1279.1	1282.8	1288.8
32.5°	1205.6	1208.6	1214.0	1218.9	1227.9	1233.3	1238.8	1245.4	1249.6	1252.0	1255.6
35°	1165.2	1167.0	1174.9	1181.5	1190.5	1195.4	1202.0	1207.4	1215.2	1218.3	1223.7
37.5°	1125.4	1128.4	1134.5	1142.9	1153.8	1160.4	1162.8	1172.4	1174.9	1180.9	1194.1
40°	1080.2	1083.8	1095.3	1100.7	1112.2	1118.2	1123.0	1132.7	1138.7	1146.5	1152.0
42.5°	1037.4	1041.6	1045.3	1059.1	1070.0	1074.8	1079.6	1088.7	1096.5	1103.1	1112.2
45°	986.8	989.8	999.4	1014.5	1023.6	1031.4	1035.0	1044.7	1055.5	1061.5	1069.4
47.5°	937.4	942.2	950.0	961.5	972.3	980.2	989.2	1000.0	1012.1	1015.1	1030.2
50°	889.7	892.1	898.2	913.2	925.3	932.5	938.0	950.0	959.1	969.3	979.6
52.5°	831.3	832.5	844.5	858.4	875.3	881.3	886.1	901.2	909.6	920.5	928.9
55°	779.4	778.8	790.9	802.9	819.8	827.6	831.9	845.1	856.6	869.2	878.3
57.5°	716.1	721.6	733.0	750.5	765.0	768.6	775.8	790.9	802.3	816.2	831.3
60°	662.5	662.5	673.3	689.6	701.7	713.7	722.2	735.4	746.3	757.7	769.2
62.5°	598.6	599.2	613.7	625.7	642.6	652.2	659.5	675.7	689.6	699.2	711.3
65°	532.9	538.3	555.8	565.4	586.5	590.7	600.4	615.5	628.1	640.8	657.1
67.5°	472.0	476.8	486.5	502.1	523.8	528.7	538.3	554.0	572.1	576.9	595.6
70°	402.7	413.5	422.0	438.8	459.9	464.2	475.6	489.5	508.2	520.2	529.3
72.5°	343.0	347.8	361.7	373.1	388.8	399.7	415.3	426.2	443.1	453.9	469.6
75°	282.1	279.7	293.6	311.0	329.7	335.2	343.0	362.3	378.6	393.6	406.9
77.5°	210.4	214.6	232.1	252.6	270.1	273.7	283.9	299.6	316.5	332.1	350.8
80°	149.5	155.5	165.2	190.5	206.2	216.4	225.4	240.5	255.6	277.9	287.5
82.5°	94.0	99.5	113.9	133.2	149.5	159.1	170.6	185.7	201.3	220.6	231.5
85°	44.0	51.8	66.3	86.2	101.3	113.3	120.6	139.8	156.7	173.6	185.7
87.5°	13.3	18.7	34.4	51.2	69.9	79.0	88.0	106.7	125.4	141.1	154.3
90°	0.6	6.6	20.5	38.6	57.9	66.9	76.0	94.0	110.9	127.8	141.7
92.5°	0.6	6.0	19.9	37.4	56.1	65.1	74.7	92.2	109.1	125.4	139.8
95°	0.6	6.0	19.3	36.8	54.9	63.9	73.5	91.0	107.9	123.6	138.0
97.5°	0.6	6.0	18.7	35.6	53.6	62.7	71.7	89.2	106.1	121.8	136.2
100°	0.6	5.4	18.7	35.0	52.4	60.9	70.5	87.4	104.3	119.4	134.4
102.5°	0.6	5.4	18.1	33.8	51.2	59.7	68.7	85.6	101.3	116.9	130.8
105°	0.6	4.8	17.5	33.2	49.4	57.9	66.9	83.2	98.9	113.9	127.8
107.5°	0.6	4.8	16.9	31.9	48.2	56.7	65.1	80.8	96.4	110.9	124.8
110°	0.6	4.2	16.3	30.7	46.4	54.9	63.3	79.0	94.0	108.5	121.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.6	4.2	15.1	29.5	45.2	53.0	60.9	76.6	91.0	105.5	118.1
115°	0.6	3.6	14.5	28.3	43.4	51.2	58.5	73.5	88.0	101.3	113.9
117.5°	0.6	3.6	13.9	27.1	41.6	48.8	56.7	70.5	85.0	97.7	110.9
120°	0.6	3.0	13.3	25.9	39.8	47.0	54.3	68.1	81.4	94.0	106.1
122.5°	0.6	2.4	12.1	24.7	38.0	44.6	51.2	64.5	77.8	90.4	101.3
125°	0.6	1.8	11.5	22.9	35.6	42.2	48.8	62.1	74.1	86.2	97.1
127.5°	0.6	1.8	10.2	21.7	33.8	39.8	46.4	58.5	70.5	82.0	92.2
130°	0.6	1.2	9.0	19.3	31.3	37.4	43.4	55.5	66.3	77.8	87.4
132.5°	0.6	1.2	7.8	17.5	28.3	33.8	40.4	51.8	62.7	72.9	82.6
135°	1.2	1.2	6.6	15.7	25.3	30.7	36.2	47.0	57.9	68.1	77.2
137.5°	1.2	1.2	5.4	13.3	22.3	27.1	32.6	42.2	52.4	63.3	71.7
140°	1.2	1.2	4.8	11.5	19.3	24.1	28.3	37.4	46.4	56.1	65.7
142.5°	1.2	1.2	3.6	9.6	16.9	20.5	24.7	33.2	41.0	49.4	58.5
145°	1.2	1.2	3.0	8.4	14.5	18.1	21.1	28.3	35.6	43.4	51.8
147.5°	1.2	1.2	2.4	6.6	12.1	15.1	18.7	24.1	31.3	38.0	44.0
150°	1.2	1.2	1.8	5.4	10.2	12.7	15.7	20.5	26.5	32.6	38.0
152.5°	1.2	1.2	1.8	4.8	8.4	10.2	12.7	17.5	21.7	27.1	31.9
155°	1.2	1.2	1.8	3.6	6.6	8.4	10.9	14.5	18.1	22.3	26.5
157.5°	1.2	1.2	1.2	2.4	5.4	7.2	8.4	11.5	15.1	17.5	20.5
160°	1.2	1.2	1.2	1.8	4.2	5.4	6.6	9.0	11.5	13.9	16.9
162.5°	1.8	1.8	1.8	1.8	3.0	3.6	4.8	6.6	9.0	10.9	12.1
165°	1.8	1.8	1.8	1.8	1.8	2.4	3.0	4.8	6.0	7.8	9.0
167.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	3.0	4.2	4.8	6.0
170°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.8	1.8	2.4	3.0
172.5°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.2
175°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	0.6	0.6
177.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1455.8	1456.4	1458.2	1458.2	1458.2	1458.8	1458.2	1457.6	1456.4	1457.6	1455.8
5°	1452.8	1453.4	1454.6	1456.4	1456.4	1456.4	1457.6	1455.2	1455.2	1454.6	1454.0
7.5°	1447.9	1448.5	1450.9	1452.1	1452.1	1452.8	1453.4	1453.4	1451.5	1451.5	1450.3
10°	1440.7	1443.7	1444.9	1447.3	1446.1	1447.9	1448.5	1447.3	1446.1	1446.7	1446.7
12.5°	1432.3	1436.5	1436.5	1441.3	1440.7	1440.1	1441.3	1441.3	1440.7	1441.3	1441.3
15°	1421.4	1425.0	1427.4	1431.7	1431.1	1431.1	1434.1	1434.7	1432.9	1432.9	1431.7
17.5°	1406.9	1408.7	1414.8	1416.6	1417.8	1419.0	1420.8	1422.0	1421.4	1421.4	1419.6
20°	1388.9	1393.1	1399.7	1399.1	1405.7	1405.7	1405.7	1406.3	1407.5	1409.3	1406.3
22.5°	1367.2	1374.4	1379.8	1383.4	1384.6	1385.8	1388.3	1390.7	1390.1	1390.1	1390.7
25°	1344.8	1352.7	1356.9	1364.1	1366.6	1365.3	1370.2	1371.4	1371.4	1370.2	1371.4
27.5°	1320.1	1328.6	1335.8	1336.4	1340.0	1341.8	1344.2	1348.5	1348.5	1349.1	1347.3
30°	1293.0	1302.1	1306.9	1311.1	1313.5	1313.5	1320.1	1321.3	1320.7	1324.4	1323.8
32.5°	1263.5	1273.7	1277.9	1284.0	1287.0	1287.0	1290.6	1294.8	1293.0	1293.0	1294.2
35°	1230.3	1239.4	1244.8	1252.0	1253.2	1255.0	1259.3	1264.1	1265.9	1265.3	1263.5
37.5°	1200.2	1203.2	1212.8	1218.3	1218.9	1221.3	1226.1	1229.7	1228.5	1230.3	1229.7
40°	1160.4	1167.0	1175.5	1182.1	1185.7	1184.5	1189.3	1192.3	1194.1	1194.8	1197.2
42.5°	1123.0	1132.1	1137.5	1144.1	1146.5	1146.5	1149.5	1152.0	1155.0	1158.0	1155.0
45°	1080.8	1088.1	1095.9	1101.9	1106.7	1107.9	1110.4	1109.8	1112.8	1114.0	1118.2
47.5°	1036.2	1045.9	1051.9	1057.9	1060.3	1064.5	1069.4	1070.0	1074.2	1071.2	1074.8
50°	992.2	1000.0	1007.9	1015.1	1017.5	1016.9	1019.3	1022.4	1025.4	1027.8	1026.0
52.5°	941.0	950.0	957.9	963.9	969.3	968.1	975.3	972.9	979.6	982.0	978.3
55°	887.9	902.4	908.4	913.8	914.4	919.3	929.5	925.3	927.7	930.7	928.3
57.5°	835.5	845.1	853.6	860.8	862.6	868.6	871.0	872.9	875.9	876.5	879.5
60°	785.5	789.1	799.9	807.8	810.8	811.4	822.2	820.4	824.6	826.4	824.0
62.5°	724.0	734.8	743.9	752.9	752.9	757.7	761.9	760.7	765.6	768.6	770.4
65°	664.3	675.1	684.2	691.4	694.4	699.9	701.7	702.9	708.3	710.7	710.7
67.5°	602.8	617.9	623.3	629.9	635.4	637.2	644.4	646.8	649.8	653.4	654.6
70°	542.5	559.4	564.8	571.5	573.3	578.7	583.5	588.3	587.1	591.3	594.4
72.5°	484.7	496.1	501.5	510.0	515.4	520.2	524.4	529.3	531.7	530.5	534.1
75°	422.0	434.0	439.4	451.5	452.7	457.5	465.4	468.4	469.6	469.0	470.2
77.5°	363.5	373.1	379.2	390.0	395.4	396.6	406.9	406.9	410.5	409.3	411.7
80°	299.6	312.3	326.1	334.0	339.4	338.8	344.2	348.4	350.2	350.2	352.0
82.5°	248.4	258.0	271.3	279.7	282.7	286.3	293.6	296.6	300.2	296.6	302.0
85°	203.7	214.6	224.8	231.5	234.5	240.5	246.5	247.8	253.2	253.2	252.6
87.5°	168.2	179.6	189.9	198.9	203.1	205.6	212.2	215.2	217.6	219.4	218.2
90°	154.9	167.0	177.2	185.7	189.9	192.9	198.3	201.9	203.7	204.3	203.7
92.5°	153.1	164.6	174.8	183.9	187.5	191.1	196.5	200.1	202.5	203.1	201.9
95°	151.3	163.4	173.6	182.0	185.7	189.3	194.7	198.3	200.7	201.3	200.1
97.5°	150.1	160.9	171.8	180.2	183.9	186.9	192.9	196.5	198.3	198.9	198.3
100°	147.7	158.5	168.8	177.2	180.8	183.9	189.3	193.5	195.3	195.9	195.3
102.5°	144.1	155.5	165.2	173.6	177.2	180.8	185.7	189.3	191.7	192.3	191.7
105°	141.1	152.5	162.2	170.0	173.6	177.2	182.0	185.7	188.1	188.7	187.5
107.5°	137.4	148.9	158.5	167.0	170.6	173.6	178.4	182.0	183.9	184.5	183.3
110°	133.8	145.3	154.9	162.8	166.4	168.8	174.2	177.2	179.6	180.2	179.0





TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	129.6	140.5	150.1	157.9	160.9	164.6	168.8	172.4	174.8	175.4	174.2
115°	125.4	135.6	145.9	153.7	156.7	159.7	164.6	167.6	169.4	170.0	169.4
117.5°	121.8	131.4	140.5	148.3	151.3	154.3	159.1	162.2	164.6	164.6	164.0
120°	116.9	126.6	135.0	142.3	146.5	148.3	153.1	156.7	158.5	158.5	158.5
122.5°	112.7	121.8	130.8	137.4	140.5	142.9	147.7	151.3	153.1	153.1	151.9
125°	107.3	116.3	124.2	131.4	133.8	136.2	141.1	144.1	145.9	146.5	145.3
127.5°	101.9	110.9	118.8	124.8	128.4	130.8	134.4	137.4	139.8	139.8	138.6
130°	96.4	104.9	112.7	118.8	121.8	123.6	127.8	131.4	132.6	132.6	132.0
132.5°	91.0	99.5	106.7	112.1	115.1	116.9	120.6	123.6	125.4	126.0	124.8
135°	85.6	93.4	100.1	106.1	107.9	110.3	113.3	116.3	117.5	118.1	116.9
137.5°	80.2	87.4	93.4	98.9	101.3	103.1	106.7	109.1	110.3	110.9	109.7
140°	74.1	80.8	86.8	92.2	94.6	95.8	99.5	101.3	103.1	103.1	101.9
142.5°	68.1	74.7	80.2	85.0	86.8	88.6	91.6	94.0	94.6	94.6	94.6
145°	60.9	68.1	73.5	78.4	80.2	81.4	83.8	85.6	86.8	87.4	86.2
147.5°	53.0	59.7	66.3	70.5	72.3	74.1	76.0	78.4	79.0	79.0	77.8
150°	44.6	51.2	58.5	63.3	65.7	66.3	68.1	69.3	71.1	71.1	70.5
152.5°	37.4	43.4	50.0	56.1	57.3	59.1	60.3	62.1	62.7	62.7	62.1
155°	31.3	36.2	41.0	47.0	50.0	51.2	53.0	54.3	54.9	54.3	54.3
157.5°	24.7	28.9	33.2	38.0	42.2	43.4	45.2	46.4	47.0	46.4	46.4
160°	19.3	22.3	25.3	30.1	31.9	35.0	37.4	38.0	38.6	38.6	38.0
162.5°	14.5	16.9	18.7	21.7	24.1	25.9	29.5	30.7	30.7	31.3	30.1
165°	10.2	11.5	13.3	15.1	16.3	17.5	21.1	22.9	22.9	23.5	22.9
167.5°	6.6	7.2	8.4	9.6	10.2	11.5	12.7	15.1	16.3	16.3	15.7
170°	3.6	3.6	4.2	4.8	5.4	5.4	6.0	8.4	9.0	9.0	8.4
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	3.0	3.0	2.4
175°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1457.0	1455.8	1457.6	1458.2	1457.0	1454.6	1452.1	1450.3	1447.9	1447.3	1447.3
5°	1454.0	1453.4	1454.6	1454.6	1454.6	1453.4	1449.7	1447.3	1443.7	1442.5	1443.7
7.5°	1450.3	1450.3	1451.5	1450.9	1449.7	1448.5	1444.3	1441.3	1438.3	1437.1	1437.1
10°	1444.9	1444.3	1444.9	1443.7	1443.7	1441.3	1438.3	1433.5	1430.4	1429.2	1429.2
12.5°	1439.5	1437.1	1436.5	1438.3	1436.5	1433.5	1427.4	1424.4	1422.6	1417.2	1416.6
15°	1430.4	1427.4	1428.0	1426.8	1428.6	1425.0	1418.4	1415.4	1408.7	1404.5	1403.9
17.5°	1417.8	1417.8	1417.2	1416.0	1414.8	1410.6	1406.3	1402.1	1397.3	1392.5	1385.8
20°	1403.3	1403.9	1402.7	1403.3	1402.7	1395.5	1391.3	1384.6	1381.0	1374.4	1369.6
22.5°	1388.3	1387.0	1385.2	1384.0	1384.6	1379.8	1373.8	1367.2	1361.7	1353.9	1349.1
25°	1370.2	1369.0	1365.9	1365.3	1365.3	1359.3	1353.9	1344.2	1341.8	1333.4	1325.0
27.5°	1345.5	1344.2	1343.0	1341.2	1340.0	1337.0	1331.6	1321.3	1314.7	1307.5	1299.0
30°	1318.3	1320.7	1316.5	1315.3	1312.3	1312.3	1305.1	1296.6	1289.4	1278.5	1270.7
32.5°	1291.2	1292.4	1291.2	1288.8	1284.6	1283.4	1274.9	1267.7	1259.9	1248.4	1238.8
35°	1261.7	1259.9	1261.1	1253.8	1256.8	1249.6	1241.8	1237.6	1227.9	1217.1	1207.4
37.5°	1229.1	1227.9	1224.3	1220.7	1218.9	1217.1	1207.4	1200.8	1196.0	1182.1	1170.6
40°	1190.5	1192.3	1189.9	1189.3	1183.9	1181.5	1170.6	1163.4	1156.8	1144.1	1133.3
42.5°	1154.4	1157.4	1148.3	1149.5	1146.5	1139.3	1133.3	1127.2	1115.2	1108.6	1091.7
45°	1114.6	1111.6	1109.8	1103.1	1103.1	1099.5	1090.5	1086.9	1074.8	1063.9	1049.5
47.5°	1068.8	1072.4	1063.9	1064.5	1063.3	1056.7	1046.5	1043.4	1029.6	1022.4	1004.9
50°	1026.0	1022.4	1019.9	1021.1	1013.3	1012.1	1004.3	994.6	983.8	974.7	961.5
52.5°	975.9	976.5	976.5	969.9	969.9	960.3	951.8	944.6	936.2	922.3	913.2
55°	928.9	927.7	924.1	922.9	914.4	910.2	902.4	891.5	886.1	873.5	863.2
57.5°	879.5	876.5	872.3	865.6	863.8	858.4	849.9	840.3	830.7	819.8	812.6
60°	824.0	822.8	816.8	812.6	810.2	803.5	798.1	790.3	776.4	765.0	753.5
62.5°	766.8	766.2	763.1	757.7	756.5	749.3	739.6	728.8	719.1	708.3	695.0
65°	707.7	704.1	699.2	698.6	693.2	689.6	684.8	669.7	657.7	647.4	635.4
67.5°	652.8	649.8	640.2	640.2	636.0	629.9	620.9	614.9	597.4	587.1	573.3
70°	589.5	590.1	585.9	582.9	574.5	566.0	561.8	554.0	539.5	524.4	514.2
72.5°	528.7	525.6	519.6	517.2	515.4	509.4	497.3	485.3	474.4	464.2	444.9
75°	468.4	464.8	455.7	458.7	453.9	446.1	439.4	425.6	411.7	399.1	384.6
77.5°	407.5	400.9	397.8	397.2	396.0	385.2	374.3	362.3	349.6	344.2	320.7
80°	352.6	343.6	339.4	340.6	335.2	324.9	318.3	306.8	293.6	279.7	262.2
82.5°	295.4	294.2	286.3	283.3	279.1	273.1	262.8	250.8	236.9	223.6	208.0
85°	249.6	244.7	244.7	235.1	233.9	224.8	215.2	203.7	188.7	173.0	158.5
87.5°	217.0	211.0	206.8	201.9	198.9	191.7	179.6	167.6	153.7	142.9	123.6
90°	200.7	197.1	190.5	186.9	183.3	173.6	162.8	151.3	138.0	123.0	108.5
92.5°	198.9	194.7	188.7	185.1	181.4	171.8	160.9	149.5	135.6	121.2	105.5
95°	197.7	192.9	186.9	183.3	179.6	170.0	159.7	147.7	134.4	119.4	104.3
97.5°	195.3	191.1	185.1	181.4	177.2	168.2	157.9	145.9	132.6	117.5	102.5
100°	192.3	187.5	182.0	178.4	174.8	165.8	154.9	142.9	129.6	115.7	100.7
102.5°	188.7	185.1	178.4	174.8	171.2	162.2	151.9	139.8	127.2	113.3	98.3
105°	185.1	180.8	175.4	171.8	167.6	159.1	148.9	136.8	124.2	110.3	95.8
107.5°	182.0	177.2	171.2	167.6	164.0	155.5	145.3	133.8	121.2	107.3	93.4
110°	177.2	173.0	167.0	163.4	159.7	151.3	141.1	130.2	118.1	104.3	90.4



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	171.8	167.6	161.6	158.5	154.9	146.5	136.8	126.0	114.5	101.3	87.4
115°	167.0	162.8	157.3	154.3	150.7	142.3	132.6	121.8	110.9	97.7	84.4
117.5°	161.6	157.3	151.9	148.9	145.3	136.8	128.4	118.1	106.7	94.0	81.4
120°	155.5	151.3	146.5	143.5	139.8	132.0	123.6	113.3	102.5	90.4	77.8
122.5°	149.5	145.9	140.5	137.4	134.4	127.2	118.8	109.1	98.3	86.8	74.7
125°	142.9	139.2	134.4	131.4	128.4	121.8	113.3	104.3	93.4	82.6	70.5
127.5°	136.2	133.2	128.4	125.4	122.4	115.7	107.9	98.9	89.2	78.4	66.9
130°	129.6	126.0	121.8	119.4	115.7	109.7	102.5	93.4	84.4	74.1	63.3
132.5°	122.4	119.4	115.1	112.7	110.3	103.7	96.4	88.6	79.0	69.3	59.7
135°	115.1	112.1	109.1	106.1	103.1	97.7	90.4	82.6	74.1	65.1	55.5
137.5°	107.9	104.9	101.9	99.5	96.4	91.0	85.0	77.2	68.7	60.9	51.8
140°	100.7	97.7	94.6	92.2	89.8	85.0	78.4	71.7	63.9	55.5	47.0
142.5°	92.8	90.4	86.8	85.0	82.6	77.8	72.3	65.7	58.5	50.6	43.4
145°	85.0	82.6	79.6	77.8	75.4	71.1	66.3	59.7	53.0	46.4	39.2
147.5°	77.2	74.7	71.7	70.5	68.1	65.1	59.7	53.6	48.2	41.0	34.4
150°	68.7	67.5	64.5	62.7	61.5	57.3	53.0	47.6	42.8	36.8	30.7
152.5°	61.5	59.7	56.7	55.5	54.3	50.6	47.0	41.6	37.4	31.9	26.5
155°	53.0	51.8	49.4	48.2	47.0	43.4	40.4	36.2	31.9	27.1	22.3
157.5°	45.8	44.6	42.2	41.0	39.8	37.4	33.8	30.7	26.5	22.3	18.1
160°	37.4	36.2	35.0	33.8	33.2	30.7	27.1	24.7	21.7	18.1	13.9
162.5°	29.5	29.5	27.7	27.1	25.9	24.1	21.7	18.7	16.3	13.9	10.2
165°	22.3	21.7	20.5	19.9	19.3	17.5	15.7	14.5	12.1	9.6	6.6
167.5°	15.1	14.5	13.9	13.9	13.3	12.1	10.2	8.4	7.2	5.4	4.2
170°	8.4	7.8	7.8	7.2	7.2	6.0	5.4	4.2	3.6	2.4	1.8
172.5°	2.4	2.4	2.4	2.4	1.8	1.2	1.2	0.6	0.6	0.6	0.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1447.9	1449.1	1449.1	1448.5	1454.0	1457.0	1460.0	1463.0	1466.0	1468.4	1471.4
5°	1442.5	1444.3	1443.7	1444.9	1447.3	1454.0	1456.4	1458.2	1461.2	1464.2	1467.8
7.5°	1436.5	1437.1	1436.5	1435.9	1441.3	1445.5	1447.9	1450.9	1454.6	1456.4	1459.4
10°	1427.4	1426.8	1426.8	1426.8	1430.4	1434.7	1437.7	1440.7	1443.1	1445.5	1447.3
12.5°	1414.8	1416.0	1413.0	1414.2	1414.8	1419.6	1423.2	1427.4	1428.0	1431.1	1432.3
15°	1401.5	1400.3	1400.3	1399.1	1399.1	1402.7	1405.1	1407.5	1411.2	1414.8	1417.2
17.5°	1384.0	1381.6	1380.4	1381.6	1379.8	1381.6	1385.2	1387.0	1390.7	1391.3	1397.9
20°	1364.1	1364.7	1360.5	1357.5	1356.9	1359.9	1360.5	1365.3	1367.8	1368.4	1373.2
22.5°	1342.4	1338.8	1336.4	1335.2	1334.6	1334.6	1334.6	1336.4	1340.0	1341.8	1346.7
25°	1318.9	1312.9	1311.1	1309.3	1305.1	1304.5	1306.3	1308.1	1310.5	1314.7	1318.3
27.5°	1291.2	1285.8	1284.0	1279.7	1274.3	1276.1	1276.1	1279.7	1279.1	1282.8	1287.6
30°	1259.9	1255.0	1250.8	1250.2	1240.6	1243.6	1240.0	1246.0	1244.8	1250.8	1256.2
32.5°	1231.5	1223.1	1216.5	1214.6	1206.8	1205.6	1205.0	1207.4	1207.4	1212.8	1222.5
35°	1197.2	1187.5	1179.7	1179.1	1167.6	1168.2	1164.0	1168.2	1169.4	1174.9	1184.5
37.5°	1158.0	1147.7	1143.5	1141.7	1129.0	1127.8	1124.8	1125.4	1128.4	1135.1	1142.3
40°	1118.8	1109.8	1104.3	1103.1	1091.7	1084.4	1079.6	1083.2	1082.6	1092.9	1101.3
42.5°	1079.6	1067.6	1060.9	1057.3	1049.5	1041.0	1036.2	1037.4	1040.4	1046.5	1059.1
45°	1039.8	1026.0	1018.1	1015.7	1000.7	994.0	989.2	989.8	992.2	1003.7	1010.3
47.5°	992.8	979.6	972.3	966.9	953.6	946.4	939.2	941.0	943.4	952.4	965.1
50°	945.2	930.7	923.5	918.7	908.4	892.7	886.7	886.1	889.7	903.0	917.5
52.5°	898.8	881.9	875.3	868.6	853.0	841.5	836.7	839.1	840.9	845.1	862.0
55°	848.1	831.3	822.2	819.2	799.3	792.1	783.0	778.2	782.4	793.9	810.8
57.5°	796.3	776.4	768.0	763.7	743.9	738.4	725.2	720.3	724.6	736.0	752.3
60°	736.6	722.8	710.7	705.9	690.2	673.9	664.9	664.9	670.9	675.7	692.6
62.5°	680.6	661.3	658.3	643.8	628.1	616.1	605.2	601.0	608.8	620.3	634.1
65°	619.1	599.2	595.6	584.7	568.4	554.0	548.5	542.5	546.1	554.0	568.4
67.5°	560.6	540.1	531.1	521.4	510.6	491.9	478.0	476.8	479.8	497.3	506.4
70°	497.3	478.0	471.4	467.8	445.5	427.4	417.1	412.3	418.3	435.8	447.3
72.5°	431.0	418.9	405.7	399.1	381.0	361.7	350.2	348.4	354.4	365.3	381.0
75°	368.9	350.2	344.2	336.4	317.1	297.8	285.1	282.1	289.3	300.2	316.5
77.5°	307.4	287.5	281.5	271.9	254.4	236.9	221.2	215.2	226.1	237.5	256.8
80°	247.8	232.1	223.0	214.0	196.5	179.0	160.9	154.9	164.6	177.8	191.1
82.5°	189.9	173.0	160.9	153.7	137.4	121.2	107.3	103.7	110.3	123.6	137.4
85°	141.1	124.2	114.5	106.1	91.6	69.9	57.3	51.8	57.9	71.7	89.2
87.5°	108.5	89.8	80.2	72.9	52.4	37.4	21.7	17.5	24.1	36.2	55.5
90°	91.0	73.5	64.5	55.5	36.8	19.9	7.2	1.8	8.4	22.3	40.4
92.5°	88.6	71.1	62.1	53.0	35.0	18.1	5.4	0.6	6.6	19.9	37.4
95°	87.4	69.9	60.9	51.8	33.8	17.5	4.8	0.6	6.0	19.3	36.8
97.5°	86.2	68.1	59.7	50.6	33.2	17.5	4.8	0.6	6.0	18.7	35.6
100°	84.4	66.3	57.9	49.4	32.6	16.9	4.8	0.6	6.0	18.7	35.0
102.5°	82.0	65.1	56.7	48.2	31.3	16.3	4.2	0.6	5.4	18.1	34.4
105°	79.6	63.3	55.5	47.0	30.1	15.7	4.2	0.6	5.4	17.5	33.2
107.5°	77.8	61.5	53.6	45.2	28.9	15.1	3.6	0.6	4.8	16.9	31.9
110°	75.4	59.7	51.8	44.0	28.3	14.5	3.6	0.6	4.8	16.3	30.7



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	72.9	57.3	50.0	42.2	27.1	13.3	3.0	0.6	4.2	15.7	29.5
115°	69.9	55.5	48.2	40.4	25.9	12.7	3.0	0.6	4.2	15.1	28.9
117.5°	67.5	53.0	45.8	38.6	24.1	12.1	2.4	0.6	3.6	13.9	27.1
120°	64.5	50.0	43.4	36.2	22.9	11.5	1.8	0.6	3.6	13.3	25.9
122.5°	61.5	47.6	41.0	34.4	21.7	10.2	1.8	0.6	3.0	12.7	24.7
125°	58.5	45.2	38.6	32.6	20.5	9.6	1.2	0.6	3.0	11.5	23.5
127.5°	55.5	42.8	36.8	30.7	19.3	8.4	1.2	0.6	2.4	10.9	22.3
130°	51.8	39.8	34.4	28.3	17.5	7.8	1.2	0.6	1.8	9.6	19.9
132.5°	48.8	36.8	31.9	26.5	16.3	6.6	1.2	0.6	1.8	8.4	18.1
135°	45.2	34.4	29.5	24.7	14.5	6.0	0.6	0.6	1.2	7.2	15.7
137.5°	41.6	31.9	27.1	22.3	13.3	4.8	1.2	1.2	1.2	6.0	13.9
140°	38.0	28.9	24.1	19.9	11.5	4.2	1.2	1.2	1.2	5.4	12.1
142.5°	34.4	25.9	21.7	18.1	10.2	3.0	1.2	1.2	1.2	4.2	10.2
145°	31.3	23.5	19.3	15.7	8.4	2.4	1.2	1.2	1.2	3.6	8.4
147.5°	27.7	20.5	16.9	13.9	7.2	1.8	1.2	1.2	1.2	3.0	7.2
150°	24.1	17.5	14.5	11.5	5.4	1.2	1.2	1.2	1.2	2.4	6.6
152.5°	20.5	14.5	12.1	9.6	4.2	1.2	1.2	1.2	1.2	2.4	5.4
155°	16.9	12.1	9.6	7.2	3.0	1.2	1.2	1.2	1.2	1.8	4.2
157.5°	13.9	9.6	7.8	5.4	1.8	1.2	1.2	1.2	1.2	1.8	3.6
160°	10.9	6.6	5.4	3.6	1.2	1.2	1.2	1.2	1.2	1.8	2.4
162.5°	7.8	4.8	3.0	2.4	1.2	1.2	1.2	1.8	1.2	1.2	2.4
165°	4.8	2.4	1.8	1.2	1.2	1.2	1.2	1.8	1.8	1.2	1.8
167.5°	2.4	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8
170°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8
172.5°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8
175°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8
177.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1471.4	1472.0	1472.0	1472.0	1469.0	1464.2	1462.4	1458.2	1459.4	1461.8	1461.8
5°	1468.4	1469.0	1467.8	1467.2	1464.2	1458.8	1457.6	1455.8	1454.6	1458.8	1458.8
7.5°	1460.6	1460.0	1460.6	1461.2	1458.8	1454.6	1452.1	1449.7	1451.5	1454.6	1455.2
10°	1449.7	1450.9	1450.9	1450.3	1449.1	1446.1	1445.5	1443.7	1445.5	1447.9	1450.3
12.5°	1435.9	1437.7	1437.7	1438.9	1437.7	1434.7	1436.5	1434.1	1437.7	1443.1	1443.7
15°	1420.2	1420.8	1420.8	1424.4	1424.4	1423.8	1425.0	1424.4	1428.6	1431.1	1432.3
17.5°	1401.5	1401.5	1404.5	1408.7	1409.3	1404.5	1408.1	1408.7	1411.2	1416.6	1420.2
20°	1378.0	1382.2	1381.0	1385.8	1385.8	1386.4	1388.9	1391.3	1394.9	1397.9	1405.1
22.5°	1352.1	1356.9	1356.9	1359.9	1364.1	1366.6	1367.2	1370.2	1375.0	1384.0	1383.4
25°	1327.4	1327.4	1331.6	1334.6	1335.8	1342.4	1340.0	1349.7	1353.3	1360.5	1361.7
27.5°	1297.2	1297.8	1303.3	1308.7	1309.9	1311.7	1318.3	1321.3	1329.2	1332.8	1339.4
30°	1264.1	1269.5	1271.3	1279.1	1281.6	1285.8	1289.4	1294.2	1303.3	1306.3	1311.1
32.5°	1229.1	1236.3	1238.2	1244.8	1247.2	1253.8	1256.8	1261.1	1270.7	1277.3	1283.4
35°	1190.5	1196.6	1201.4	1211.0	1214.6	1218.9	1223.1	1231.5	1241.8	1244.8	1250.2
37.5°	1152.6	1159.2	1164.0	1172.4	1177.3	1185.1	1190.5	1196.0	1204.4	1211.6	1215.9
40°	1113.4	1120.0	1121.8	1133.3	1138.1	1147.1	1152.6	1161.6	1168.2	1175.5	1185.1
42.5°	1069.4	1076.0	1079.0	1090.5	1098.9	1103.1	1113.4	1120.6	1130.9	1135.1	1141.1
45°	1025.4	1030.2	1035.0	1045.9	1054.9	1060.3	1072.4	1078.4	1085.6	1094.1	1098.9
47.5°	975.9	982.0	986.8	999.4	1008.5	1018.7	1026.6	1035.0	1044.7	1050.1	1060.3
50°	927.7	933.7	938.0	951.2	960.3	968.1	981.4	992.8	998.2	1006.1	1012.1
52.5°	875.3	883.7	889.1	903.6	913.2	922.3	930.1	942.2	946.4	960.3	966.3
55°	819.2	828.2	836.7	848.1	856.6	874.1	877.1	890.3	901.2	908.4	911.4
57.5°	764.4	771.6	781.8	793.9	807.8	817.4	825.8	835.5	842.1	849.9	860.2
60°	707.7	719.1	719.7	734.2	745.7	760.7	773.4	779.4	791.5	796.3	803.5
62.5°	649.2	653.4	666.1	680.0	687.8	702.9	711.3	724.6	732.4	743.9	751.7
65°	584.7	595.6	606.4	613.7	629.9	640.2	651.0	664.3	670.9	686.0	689.6
67.5°	525.0	535.3	538.9	554.0	567.2	583.5	595.0	605.8	613.0	622.7	635.4
70°	466.0	472.6	477.4	493.7	508.2	520.2	532.9	547.3	555.8	563.0	569.0
72.5°	398.5	403.3	416.5	428.6	443.7	458.1	470.8	483.4	493.1	500.9	508.2
75°	332.1	339.4	354.4	370.1	382.8	400.9	408.1	420.8	428.6	442.5	447.3
77.5°	274.3	283.3	289.9	309.2	320.7	339.4	352.6	362.9	368.3	379.8	390.0
80°	212.8	223.0	229.1	247.8	262.8	274.9	286.9	299.6	314.7	325.5	328.5
82.5°	159.1	164.0	171.8	192.3	208.0	227.3	239.3	248.4	261.0	269.5	276.7
85°	110.3	115.1	127.8	142.9	159.1	176.6	189.9	204.3	213.4	224.2	232.7
87.5°	72.9	82.0	92.8	110.3	124.8	141.7	156.1	168.2	180.2	190.5	198.3
90°	58.5	67.5	77.2	94.6	111.5	127.2	141.7	154.9	166.4	177.2	185.1
92.5°	56.1	65.1	74.1	92.2	108.5	124.8	139.2	153.1	164.0	174.2	183.3
95°	54.9	63.9	72.9	90.4	107.3	123.0	137.4	151.3	162.8	173.0	181.4
97.5°	53.6	62.7	71.7	89.2	105.5	121.8	135.6	148.9	160.9	171.2	179.6
100°	52.4	60.9	69.9	86.8	103.7	119.4	133.8	147.1	158.5	168.8	177.2
102.5°	51.2	59.7	68.7	85.0	101.3	116.3	130.8	143.5	155.5	165.2	173.6
105°	49.4	57.9	66.9	83.2	98.9	113.3	127.8	140.5	152.5	161.6	170.0
107.5°	48.2	56.7	64.5	81.4	96.4	110.9	124.2	136.8	148.3	158.5	166.4
110°	46.4	54.9	62.7	78.4	94.0	107.9	121.2	133.8	144.7	154.9	162.8



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	45.2	53.0	60.9	76.0	90.4	104.9	117.5	129.6	141.1	150.1	157.9
115°	43.4	51.2	58.5	73.5	88.0	101.9	113.9	126.0	136.2	145.9	153.7
117.5°	41.6	48.8	56.7	70.5	85.0	97.7	110.3	121.2	131.4	140.5	148.3
120°	39.8	47.0	54.3	68.1	81.4	94.6	106.1	116.9	126.6	135.6	142.9
122.5°	38.0	44.6	51.8	65.1	77.8	90.4	101.9	112.1	121.8	129.6	137.4
125°	36.2	42.8	49.4	62.1	74.1	86.2	97.1	107.3	116.3	124.2	131.4
127.5°	34.4	40.4	46.4	59.1	71.1	82.0	92.8	102.5	110.9	118.8	125.4
130°	31.9	38.0	43.4	55.5	66.9	77.8	88.0	97.1	106.1	112.7	119.4
132.5°	28.3	34.4	40.4	51.8	63.3	73.5	83.2	92.2	100.1	106.7	113.3
135°	25.3	30.7	36.2	46.4	57.9	68.7	77.8	86.2	94.0	100.1	106.7
137.5°	22.3	27.1	31.9	41.6	51.8	62.1	72.9	80.8	88.0	94.0	99.5
140°	19.9	23.5	28.3	36.8	46.4	55.5	65.7	75.4	82.0	88.0	93.4
142.5°	16.9	21.1	25.3	32.6	40.4	48.8	58.5	67.5	76.0	80.8	86.2
145°	14.5	18.1	21.7	28.3	35.0	42.8	50.0	60.3	68.7	74.7	79.0
147.5°	12.7	15.1	18.7	24.7	30.1	36.8	44.0	51.8	59.7	67.5	71.7
150°	10.9	13.3	15.7	20.5	25.9	31.3	36.8	44.0	50.0	58.5	64.5
152.5°	9.0	11.5	13.3	17.5	21.7	26.5	31.3	37.4	42.8	48.8	56.7
155°	7.8	9.6	11.5	14.5	18.1	21.7	25.9	30.7	35.6	41.0	47.0
157.5°	6.0	7.8	9.6	12.1	15.1	17.5	21.1	24.1	28.9	31.9	37.4
160°	4.8	6.0	7.2	9.6	12.1	14.5	16.3	19.3	22.3	24.7	28.9
162.5°	3.6	4.8	6.0	7.8	9.6	11.5	12.7	14.5	16.3	18.7	21.7
165°	2.4	3.6	4.2	5.4	7.2	8.4	9.6	10.2	11.5	13.3	15.1
167.5°	1.8	2.4	3.0	3.6	4.8	6.0	6.6	7.2	7.8	8.4	9.6
170°	1.8	1.8	1.8	2.4	3.0	3.6	4.2	4.2	4.8	4.8	5.4
172.5°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8
175°	1.8	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.0	0.0
177.5°	1.8	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1462.4	1463.6	1463.6	1463.6	1463.6	1463.0	1463.6	1463.6	1463.0	1463.0	1463.0
5°	1460.0	1460.0	1461.8	1461.2	1461.8	1461.2	1461.2	1460.0	1461.2	1460.6	1460.0
7.5°	1456.4	1457.0	1457.6	1458.8	1458.2	1457.6	1458.2	1457.0	1456.4	1456.4	1456.4
10°	1450.9	1452.8	1454.0	1455.2	1454.0	1454.6	1454.0	1453.4	1451.5	1452.1	1452.1
12.5°	1443.1	1444.3	1446.1	1446.1	1446.7	1445.5	1447.9	1446.1	1444.9	1446.1	1443.1
15°	1434.7	1433.5	1435.9	1438.3	1437.7	1437.1	1438.3	1436.5	1435.9	1434.1	1435.3
17.5°	1423.8	1423.2	1426.8	1426.2	1426.2	1425.6	1425.0	1424.4	1422.6	1422.0	1421.4
20°	1405.7	1408.7	1409.3	1411.2	1411.2	1411.2	1411.2	1408.1	1406.9	1406.3	1405.7
22.5°	1387.6	1388.9	1390.7	1392.5	1393.1	1393.7	1393.1	1393.7	1391.3	1390.1	1389.5
25°	1364.1	1369.6	1373.8	1376.2	1373.8	1375.0	1374.4	1372.6	1373.2	1368.4	1369.0
27.5°	1339.4	1343.0	1347.3	1350.3	1349.7	1350.9	1350.9	1350.3	1347.9	1347.3	1345.5
30°	1314.1	1317.1	1317.7	1321.9	1323.8	1325.6	1323.8	1323.1	1321.9	1317.7	1318.3
32.5°	1287.0	1286.4	1293.0	1292.4	1294.8	1297.8	1296.0	1295.4	1292.4	1290.6	1290.0
35°	1251.4	1255.0	1259.3	1261.7	1261.7	1262.9	1264.7	1262.3	1262.3	1258.6	1258.6
37.5°	1221.9	1221.9	1224.3	1227.9	1229.7	1232.1	1230.3	1231.5	1225.5	1226.7	1223.1
40°	1183.3	1185.7	1189.3	1191.1	1192.9	1198.4	1194.8	1191.1	1189.3	1190.5	1184.5
42.5°	1145.3	1144.7	1149.5	1152.6	1153.8	1156.8	1155.6	1155.0	1153.2	1148.9	1145.3
45°	1101.3	1106.1	1108.6	1110.4	1114.0	1116.4	1113.4	1114.6	1109.8	1105.5	1104.3
47.5°	1061.5	1062.7	1063.9	1069.4	1067.6	1070.6	1071.8	1073.0	1069.4	1064.5	1063.3
50°	1016.3	1014.5	1020.5	1024.2	1023.0	1025.4	1026.6	1026.0	1023.0	1015.7	1015.1
52.5°	965.7	966.3	971.7	976.5	974.1	976.5	978.9	978.3	971.7	971.1	968.1
55°	915.7	917.5	922.9	923.5	925.3	929.5	927.1	924.7	925.9	920.5	916.9
57.5°	863.2	863.2	869.2	872.9	872.9	877.1	876.5	873.5	872.3	871.0	865.6
60°	809.0	810.8	815.0	817.4	822.8	823.4	819.2	821.6	820.4	812.6	808.4
62.5°	751.7	751.1	760.1	762.5	763.7	764.4	762.5	765.6	759.5	755.9	756.5
65°	690.2	692.6	699.2	708.9	706.5	707.1	704.1	704.7	701.1	696.8	694.4
67.5°	637.8	639.6	640.8	647.4	654.0	649.2	646.2	645.0	641.4	641.4	636.6
70°	571.5	574.5	587.1	585.9	587.7	585.9	589.5	590.1	580.5	575.1	579.3
72.5°	516.6	513.6	526.2	522.6	525.6	527.5	528.1	522.6	521.4	516.0	513.6
75°	450.9	458.1	462.3	463.0	463.6	471.4	469.6	466.6	459.9	451.5	453.9
77.5°	394.2	397.2	399.7	402.1	403.9	407.5	408.1	406.3	400.3	398.5	394.8
80°	334.6	338.8	344.8	345.4	346.6	349.6	350.8	347.8	343.0	334.0	330.3
82.5°	280.3	283.9	293.6	295.4	297.8	294.2	298.4	294.2	286.9	283.9	280.9
85°	234.5	239.9	243.5	246.5	249.0	252.6	249.0	248.4	243.5	238.7	233.3
87.5°	203.7	206.8	213.4	215.2	216.4	220.0	218.8	216.4	211.0	204.3	202.5
90°	189.3	192.9	198.9	202.5	205.0	205.0	204.3	201.9	197.7	192.3	188.1
92.5°	188.1	192.3	197.7	200.7	203.1	203.7	203.1	200.1	195.9	189.9	186.3
95°	185.7	189.3	195.3	198.9	200.7	201.9	200.7	198.9	194.7	188.1	185.1
97.5°	183.9	187.5	192.9	197.1	198.9	200.1	198.9	196.5	192.3	186.3	182.6
100°	180.2	184.5	189.9	194.1	195.9	197.1	196.5	193.5	189.3	183.9	180.2
102.5°	177.2	180.8	186.3	190.5	192.3	192.9	192.3	189.9	185.7	180.2	176.6
105°	174.2	177.2	182.6	186.3	188.7	189.3	188.7	186.9	182.6	176.6	173.0
107.5°	170.0	173.6	179.0	182.6	184.5	185.7	184.5	182.6	178.4	172.4	169.4
110°	166.4	168.8	174.2	177.8	180.2	180.8	180.2	177.8	173.6	168.2	164.6





TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	161.6	164.6	170.0	173.0	174.8	176.0	175.4	172.4	168.8	162.8	159.7
115°	156.7	159.7	165.2	168.2	170.0	171.2	170.6	168.2	163.4	157.9	154.9
117.5°	151.3	154.9	159.7	162.2	164.6	165.2	164.6	162.2	158.5	153.7	149.5
120°	146.5	148.9	153.7	156.7	158.5	159.1	158.5	156.1	152.5	147.1	144.7
122.5°	140.5	143.5	148.3	151.9	153.1	153.7	153.1	151.3	147.1	141.7	138.6
125°	134.4	136.8	141.7	144.7	146.5	147.7	146.5	144.1	139.8	135.6	132.6
127.5°	127.8	130.8	135.6	138.0	139.8	141.1	139.8	136.8	133.8	129.6	126.6
130°	121.8	124.8	128.4	131.4	133.2	133.8	132.6	130.8	127.8	123.0	120.6
132.5°	115.7	118.1	121.8	124.8	126.0	126.6	125.4	123.6	120.6	116.3	113.3
135°	109.1	110.9	114.5	116.9	118.8	119.4	118.1	115.7	113.3	109.7	107.3
137.5°	101.9	104.3	107.3	110.3	111.5	112.1	110.9	109.1	106.1	102.5	100.1
140°	95.2	96.4	100.7	101.9	103.7	104.3	102.5	100.7	98.3	94.6	92.8
142.5°	88.0	89.8	92.8	94.6	96.4	96.4	95.2	93.4	91.0	87.4	86.2
145°	80.8	82.0	85.0	86.8	88.0	88.0	87.4	85.6	83.8	80.2	79.0
147.5°	73.5	74.7	77.2	79.0	80.2	80.8	79.6	78.4	76.0	72.9	71.1
150°	66.3	66.9	69.3	70.5	71.7	71.7	71.1	69.9	67.5	65.7	63.9
152.5°	58.5	59.1	61.5	62.7	63.3	64.5	63.3	61.5	60.3	57.9	56.7
155°	51.2	52.4	53.6	54.9	55.5	55.5	54.9	54.3	52.4	50.6	48.8
157.5°	41.0	44.6	46.4	47.0	47.0	47.6	47.0	45.8	45.2	43.4	42.2
160°	31.9	34.4	38.0	39.8	39.8	39.2	39.2	38.0	37.4	35.6	35.6
162.5°	23.5	25.3	30.1	30.7	31.9	31.3	31.3	31.3	30.1	29.5	27.7
165°	16.3	17.5	21.1	24.1	24.1	23.5	23.5	22.9	22.9	21.7	20.5
167.5°	10.2	10.9	12.7	16.9	16.9	16.3	16.3	16.3	15.7	14.5	14.5
170°	5.4	6.0	6.6	7.8	9.6	9.6	9.0	9.6	9.0	8.4	7.8
172.5°	1.8	1.8	1.2	1.8	3.6	3.6	3.6	3.6	3.6	3.0	3.0
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1463.0	1461.8	1460.0	1457.0	1454.0	1454.0	1454.0	1455.8	1457.0	1456.4	1457.0
5°	1460.0	1457.0	1455.8	1452.1	1450.3	1450.3	1449.1	1450.9	1454.0	1452.8	1453.4
7.5°	1456.4	1454.6	1451.5	1447.3	1443.7	1443.1	1443.1	1443.7	1444.9	1444.3	1443.7
10°	1450.3	1447.9	1446.1	1440.7	1436.5	1434.7	1434.1	1435.9	1434.7	1434.7	1434.1
12.5°	1443.7	1440.7	1437.1	1431.1	1427.4	1423.8	1423.8	1422.6	1423.2	1423.2	1422.0
15°	1431.7	1431.7	1426.2	1421.4	1415.4	1411.8	1409.3	1409.3	1408.7	1408.1	1405.7
17.5°	1420.2	1417.2	1411.8	1405.7	1402.1	1397.9	1394.9	1391.3	1390.7	1390.1	1386.4
20°	1405.7	1400.3	1397.3	1390.7	1385.2	1380.4	1375.0	1371.4	1370.8	1367.2	1364.7
22.5°	1387.6	1383.4	1378.6	1372.6	1364.1	1358.7	1355.1	1350.3	1346.1	1344.8	1342.4
25°	1367.8	1364.7	1361.1	1350.3	1343.0	1337.6	1331.0	1325.6	1320.1	1318.3	1315.3
27.5°	1344.2	1338.8	1335.2	1329.2	1319.5	1309.3	1303.9	1296.6	1293.0	1289.4	1288.2
30°	1315.3	1313.5	1306.3	1300.2	1291.2	1282.8	1277.3	1264.7	1262.9	1258.0	1252.6
32.5°	1288.2	1286.4	1277.3	1270.7	1261.1	1253.2	1244.8	1235.1	1226.7	1225.5	1219.5
35°	1254.4	1253.8	1245.4	1238.2	1229.1	1221.9	1210.4	1202.0	1191.1	1187.5	1183.9
37.5°	1219.5	1219.5	1210.4	1202.6	1194.8	1184.5	1174.9	1161.0	1156.8	1149.5	1145.9
40°	1182.1	1177.9	1173.1	1167.0	1155.0	1145.9	1135.1	1124.8	1115.2	1109.2	1105.5
42.5°	1142.3	1141.1	1136.9	1129.0	1116.4	1104.9	1096.5	1085.0	1071.8	1070.0	1062.7
45°	1102.5	1101.3	1092.3	1085.6	1074.8	1063.9	1053.1	1039.2	1029.0	1024.8	1017.5
47.5°	1056.7	1055.5	1050.7	1039.2	1030.2	1017.5	1007.9	992.8	980.2	974.7	968.1
50°	1013.3	1007.3	1001.3	993.4	981.4	972.9	961.5	948.2	936.8	926.5	923.5
52.5°	966.3	959.1	951.2	947.0	931.3	924.1	910.8	894.0	884.3	878.9	869.8
55°	913.8	907.8	905.4	889.7	882.5	869.2	860.8	846.9	834.9	821.0	818.6
57.5°	862.0	854.2	847.5	836.7	831.9	818.6	807.2	788.5	777.6	767.4	759.5
60°	807.2	801.7	791.5	782.4	772.8	764.4	750.5	730.6	717.3	710.1	709.5
62.5°	748.7	743.3	740.2	722.8	717.3	700.5	688.4	675.7	655.8	649.8	642.6
65°	690.2	686.6	675.1	666.1	652.8	643.8	631.7	615.5	601.0	589.5	580.5
67.5°	636.0	628.7	618.5	605.2	596.2	584.1	568.4	548.5	532.9	529.3	519.6
70°	572.1	561.8	557.0	541.3	530.5	521.4	503.9	490.1	472.0	460.5	452.1
72.5°	512.4	502.7	494.9	481.6	469.0	454.5	441.3	424.4	406.9	396.0	389.4
75°	450.9	441.9	435.2	421.4	410.5	394.2	374.9	359.9	347.8	333.3	323.7
77.5°	388.8	379.2	375.5	356.3	343.0	334.6	317.1	300.2	279.7	273.7	262.2
80°	327.3	319.5	314.1	296.0	285.1	268.8	256.2	239.3	221.8	210.4	203.1
82.5°	279.1	269.5	255.0	244.7	230.3	217.6	198.9	185.7	165.2	156.7	148.3
85°	230.9	220.0	212.2	196.5	187.5	174.2	156.7	137.4	120.6	110.9	101.9
87.5°	197.7	187.5	179.6	165.8	153.1	136.2	122.4	105.5	85.6	77.2	69.3
90°	184.5	174.8	164.6	152.5	139.2	124.2	108.5	91.6	73.5	64.5	55.5
92.5°	182.6	173.6	163.4	150.7	137.4	122.4	106.7	89.8	72.3	62.7	53.6
95°	180.8	171.8	161.6	148.9	135.6	121.2	105.5	88.6	71.1	61.5	52.4
97.5°	179.0	170.0	159.7	147.1	133.8	119.4	103.7	87.4	69.3	60.3	51.2
100°	176.0	167.0	156.7	144.7	131.4	116.9	101.9	85.6	68.1	59.1	50.6
102.5°	173.0	164.0	153.7	141.7	128.4	114.5	99.5	83.2	66.3	57.3	48.8
105°	168.8	159.7	150.1	138.6	126.0	112.1	96.4	81.4	64.5	56.1	47.6
107.5°	165.2	156.7	146.5	135.0	122.4	109.1	94.0	79.0	62.7	54.3	45.8
110°	160.9	152.5	142.9	131.4	119.4	106.1	91.6	76.6	60.9	52.4	44.6



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	156.1	147.7	138.6	127.8	115.7	102.5	88.6	74.1	58.5	50.6	42.8
115°	151.3	144.1	134.4	123.6	111.5	98.9	85.6	71.1	56.1	48.2	41.0
117.5°	146.5	138.6	129.6	119.4	107.9	95.2	82.0	68.1	53.6	46.4	39.2
120°	140.5	133.2	124.8	115.1	103.7	91.6	79.0	65.1	51.2	44.0	37.4
122.5°	135.6	128.4	120.0	110.3	99.5	87.4	75.4	62.7	48.8	41.6	35.0
125°	129.6	122.4	114.5	104.9	94.6	83.2	71.7	59.7	45.8	39.2	33.2
127.5°	124.2	117.5	109.1	100.1	89.8	79.6	68.1	56.7	43.4	37.4	31.3
130°	117.5	110.9	103.1	94.6	85.6	74.7	64.5	53.0	41.0	35.0	28.9
132.5°	111.5	104.9	97.7	89.8	80.8	70.5	60.3	49.4	38.0	32.6	27.1
135°	104.9	98.3	91.6	83.8	75.4	66.3	56.7	45.8	35.6	30.1	24.7
137.5°	97.7	92.2	85.6	78.4	70.5	61.5	52.4	42.8	32.6	27.7	22.9
140°	91.0	85.6	79.6	72.9	64.5	56.7	48.2	39.2	30.1	24.7	21.1
142.5°	83.8	79.0	72.9	66.9	59.1	52.4	44.0	35.6	27.1	22.3	18.7
145°	77.2	71.7	66.9	60.9	53.6	47.6	39.8	31.9	24.1	20.5	16.3
147.5°	69.9	65.7	60.3	54.9	48.8	42.2	35.6	28.3	21.1	17.5	14.5
150°	62.1	58.5	54.3	48.8	43.4	38.0	31.3	24.7	18.1	15.1	12.1
152.5°	55.5	51.2	48.2	42.8	38.0	32.6	27.1	21.1	15.7	12.7	10.2
155°	47.6	44.6	41.0	37.4	32.6	28.3	22.9	18.1	12.7	10.2	7.8
157.5°	41.0	38.6	35.0	31.3	27.1	22.9	19.3	14.5	10.2	7.8	6.0
160°	33.8	31.3	28.3	25.9	22.3	18.7	15.1	11.5	7.8	6.0	4.2
162.5°	27.1	25.3	22.3	19.9	17.5	14.5	11.5	8.4	5.4	3.6	2.4
165°	19.9	18.7	16.9	14.5	12.7	10.2	7.8	5.4	3.0	2.4	1.8
167.5°	13.9	12.7	10.9	9.6	8.4	6.0	4.8	3.0	1.8	1.8	1.2
170°	7.8	6.6	6.0	4.8	4.2	3.0	1.8	1.8	1.2	1.2	1.2
172.5°	2.4	1.8	1.8	1.2	1.2	0.6	0.6	1.2	1.2	1.2	1.2
175°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.2	1.2	1.2
177.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.2	1.2	1.2
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1461.8	1461.8	1461.8	1461.8
2.5°	1458.2	1461.8	1464.2	1464.8
5°	1453.4	1457.6	1458.2	1460.6
7.5°	1444.9	1449.7	1450.9	1452.1
10°	1434.1	1437.7	1441.3	1442.5
12.5°	1420.2	1425.0	1425.6	1426.2
15°	1405.1	1406.3	1409.3	1408.7
17.5°	1383.4	1385.8	1389.5	1388.3
20°	1362.3	1364.1	1367.2	1364.7
22.5°	1338.8	1336.4	1338.8	1341.2
25°	1309.3	1309.3	1311.1	1309.3
27.5°	1279.7	1277.3	1276.1	1278.5
30°	1247.8	1243.0	1241.2	1243.6
32.5°	1211.0	1205.6	1205.6	1205.6
35°	1177.9	1172.4	1166.4	1165.2
37.5°	1137.5	1129.0	1124.2	1125.4
40°	1096.5	1085.6	1085.0	1080.2
42.5°	1050.7	1042.2	1038.6	1037.4
45°	1006.1	992.8	988.6	986.8
47.5°	955.4	945.8	938.0	937.4
50°	906.6	897.0	889.7	889.7
52.5°	853.6	842.7	834.9	831.3
55°	802.3	786.1	776.4	779.4
57.5°	744.5	728.8	717.9	716.1
60°	689.0	673.3	661.9	662.5
62.5°	624.5	616.1	601.0	598.6
65°	569.0	554.0	537.1	532.9
67.5°	500.3	490.7	475.6	472.0
70°	437.6	425.0	412.3	402.7
72.5°	373.1	356.9	349.0	343.0
75°	311.0	288.7	282.7	282.1
77.5°	246.5	227.9	219.4	210.4
80°	183.3	170.6	156.7	149.5
82.5°	129.6	112.1	97.1	94.0
85°	81.4	64.5	50.6	44.0
87.5°	48.8	31.9	19.9	13.3
90°	36.8	19.3	6.0	0.6
92.5°	35.6	18.7	5.4	0.6
95°	34.4	18.1	4.8	0.6
97.5°	33.8	17.5	4.8	0.6
100°	33.2	16.9	4.8	0.6
102.5°	31.9	16.3	4.2	0.6
105°	31.3	15.7	4.2	0.6
107.5°	30.1	15.1	4.2	0.6
110°	28.9	14.5	3.6	0.6



TEST NUMBER: P241622

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

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
112.5°	27.7	13.9	3.6	0.6
115°	26.5	13.3	3.0	0.6
117.5°	24.7	12.1	2.4	0.6
120°	23.5	11.5	2.4	0.6
122.5°	22.3	10.9	1.8	0.6
125°	21.1	9.6	1.8	0.6
127.5°	19.9	9.0	1.2	0.6
130°	18.1	7.8	1.2	0.6
132.5°	16.9	7.2	1.2	0.6
135°	15.1	6.6	1.2	1.2
137.5°	13.9	5.4	1.2	1.2
140°	12.1	4.8	1.2	1.2
142.5°	10.9	3.6	1.2	1.2
145°	9.0	3.0	1.2	1.2
147.5°	7.8	2.4	1.2	1.2
150°	6.0	1.8	1.2	1.2
152.5°	4.8	1.8	1.2	1.2
155°	3.6	1.2	1.2	1.2
157.5°	2.4	1.2	1.2	1.2
160°	1.8	1.2	1.2	1.2
162.5°	1.8	1.2	1.8	1.8
165°	1.2	1.2	1.8	1.8
167.5°	1.2	1.8	1.8	1.8
170°	1.2	1.8	1.8	1.8
172.5°	1.2	1.8	1.8	1.8
175°	1.8	1.8	1.8	1.8
177.5°	1.8	1.8	1.8	1.8
180°	0.6	0.6	0.6	0.6

(END OF REPORT)