

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: P241621

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P241621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-410-44)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS8M-4-LD4-30-3LO-O-UNV-EDC1
Description: FAILSAFE FVS8M LED FIXTURE
4FT LENGTH, 3-MODULE LED WITH OPAL LENS
Light Source: (252) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

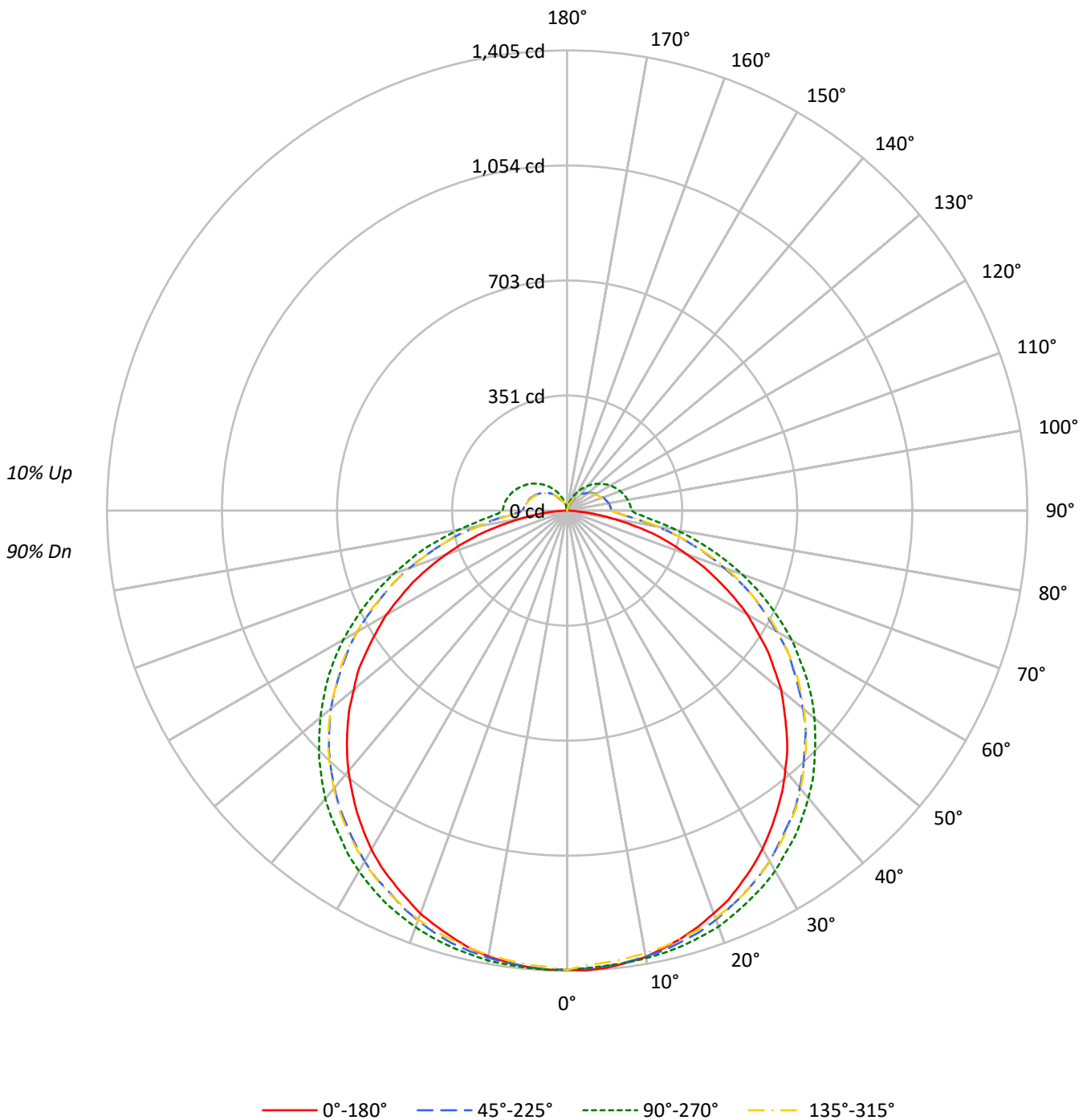
Lumens per Lamp: N/A
Luminaire Lumens: 5086.0 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.34 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.65' x L: 3.73' x H: 0.15')
CIE Type: Direct

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	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°	6266	6266	6266	6266
5°	6263	6137	6253	6165
10°	6236	6056	6228	6088
15°	6187	5996	6181	6013
20°	6138	5941	6141	5948
25°	6081	5863	6076	5883
30°	6019	5799	6031	5804
35°	5935	5717	5950	5706
40°	5852	5621	5869	5637
45°	5757	5509	5774	5521
50°	5669	5400	5646	5388
55°	5516	5259	5508	5253
60°	5319	5093	5339	5074
65°	4987	4856	5077	4832
70°	4557	4573	4666	4531
75°	4078	4215	4078	4237
80°	3021	3791	3130	3784
85°	1496	3477	1761	3468



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	2.6
10°-20°	384.9	7.6
20°-30°	593.8	11.7
30°-40°	733.6	14.4
40°-50°	787.1	15.5
50°-60°	745.2	14.7
60°-70°	609.0	12.0
70°-80°	400.3	7.9
80°-90°	190.8	3.8
90°-100°	127.0	2.5
100°-110°	114.5	2.3
110°-120°	96.0	1.9
120°-130°	73.9	1.5
130°-140°	50.8	1.0
140°-150°	29.5	0.6
150°-160°	13.1	0.3
160°-170°	3.3	0.1
170°-180°	0.2	0.0
0°-30°	1111.6	21.9
0°-40°	1845.2	36.3
0°-60°	3377.5	66.4
0°-90°	4577.6	90.0
90°-120°	337.5	6.6
90°-150°	491.8	9.7
90°-180°	508.0	10.0
0°-180°	5086.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1402	1402	1402	1402	1402	
5°	1401	1395	1398	1401	1401	133
15°	1351	1374	1350	1378	1351	381
25°	1256	1314	1255	1319	1256	579
35°	1118	1214	1120	1211	1118	700
45°	946	1068	949	1071	946	731
55°	748	893	746	892	748	666
65°	511	682	520	678	511	507
75°	271	450	271	452	271	281
85°	42	243	50	242	42	57
90°	1	196	2	197	1	2
95°	1	193	1	194	1	0
105°	1	181	1	182	1	1
115°	1	163	1	164	1	1
125°	1	140	1	142	1	1
135°	1	113	1	114	1	1
145°	1	84	1	84	1	1
155°	1	52	1	53	1	1
165°	2	22	2	22	2	0
175°	2	0	2	0	2	0
180°	1	1	1	1	1	



TEST NUMBER: P241621

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1404.9	1406.6	1409.5	1411.8	1412.4	1412.4	1411.2	1410.6	1406.6	1403.1	1399.1
5°	1400.8	1402.0	1406.0	1407.8	1408.3	1407.8	1406.0	1406.0	1402.6	1397.9	1396.2
7.5°	1392.7	1396.2	1397.4	1398.5	1399.7	1400.8	1399.7	1398.5	1396.2	1392.7	1390.4
10°	1383.5	1384.1	1386.4	1389.8	1389.8	1391.0	1389.8	1390.4	1387.5	1385.2	1382.3
12.5°	1367.9	1369.6	1371.9	1376.0	1377.1	1378.3	1377.1	1378.3	1375.4	1373.6	1374.8
15°	1351.1	1354.6	1355.1	1358.6	1361.5	1362.1	1362.7	1365.0	1361.5	1362.1	1360.9
17.5°	1331.4	1332.0	1335.5	1337.2	1341.3	1344.7	1343.0	1346.5	1346.5	1346.5	1348.2
20°	1308.9	1308.3	1311.2	1317.6	1321.0	1322.2	1323.3	1327.4	1328.0	1329.1	1329.1
22.5°	1286.3	1284.6	1286.3	1293.3	1295.0	1297.9	1302.5	1305.4	1304.8	1306.6	1307.7
25°	1255.7	1256.3	1259.2	1267.8	1270.2	1273.6	1275.9	1280.6	1281.7	1284.6	1286.3
27.5°	1226.2	1226.2	1231.4	1236.1	1240.7	1243.6	1247.6	1254.6	1254.6	1259.2	1262.1
30°	1192.7	1192.1	1197.9	1203.1	1210.0	1214.1	1217.6	1224.5	1226.8	1230.3	1236.1
32.5°	1156.3	1159.2	1164.4	1169.0	1177.7	1182.9	1188.1	1194.4	1198.5	1200.8	1204.3
35°	1117.5	1119.3	1126.8	1133.1	1141.8	1146.4	1152.8	1158.0	1165.5	1168.4	1173.6
37.5°	1079.4	1082.3	1088.0	1096.1	1106.5	1112.9	1115.2	1124.5	1126.8	1132.6	1145.3
40°	1036.0	1039.5	1050.5	1055.7	1066.7	1072.4	1077.1	1086.3	1092.1	1099.6	1104.8
42.5°	995.0	999.0	1002.5	1015.8	1026.2	1030.8	1035.4	1044.1	1051.6	1058.0	1066.7
45°	946.4	949.3	958.5	973.0	981.7	989.2	992.7	1001.9	1012.3	1018.1	1025.6
47.5°	899.0	903.6	911.1	922.1	932.5	940.0	948.7	959.1	970.7	973.6	988.0
50°	853.3	855.6	861.4	875.9	887.4	894.4	899.6	911.1	919.8	929.6	939.5
52.5°	797.2	798.4	810.0	823.3	839.5	845.2	849.9	864.3	872.4	882.8	890.9
55°	747.5	746.9	758.5	770.1	786.3	793.8	797.8	810.5	821.5	833.7	842.3
57.5°	686.8	692.0	703.0	719.8	733.7	737.1	744.1	758.5	769.5	782.8	797.2
60°	635.4	635.4	645.8	661.4	672.9	684.5	692.6	705.3	715.7	726.7	737.7
62.5°	574.1	574.7	588.5	600.1	616.3	625.5	632.5	648.1	661.4	670.6	682.2
65°	511.1	516.3	533.0	542.3	562.5	566.6	575.8	590.3	602.4	614.6	630.2
67.5°	452.7	457.3	466.6	481.6	502.4	507.0	516.3	531.3	548.6	553.3	571.2
70°	386.2	396.6	404.7	420.9	441.1	445.2	456.1	469.4	487.4	498.9	507.6
72.5°	329.0	333.6	346.9	357.9	372.9	383.3	398.3	408.7	424.9	435.3	450.4
75°	270.6	268.3	281.6	298.3	316.2	321.4	329.0	347.5	363.1	377.5	390.2
77.5°	201.8	205.8	222.6	242.2	259.0	262.5	272.3	287.3	303.5	318.6	336.5
80°	143.4	149.2	158.4	182.7	197.7	207.6	216.2	230.7	245.1	266.5	275.8
82.5°	90.2	95.4	109.3	127.8	143.4	152.6	163.6	178.1	193.1	211.6	222.0
85°	42.2	49.7	63.6	82.7	97.1	108.7	115.6	134.1	150.3	166.5	178.1
87.5°	12.7	17.9	33.0	49.1	67.1	75.7	84.4	102.3	120.3	135.3	148.0
90°	0.6	6.4	19.7	37.0	55.5	64.2	72.8	90.2	106.4	122.6	135.9
92.5°	0.6	5.8	19.1	35.8	53.8	62.4	71.7	88.5	104.6	120.3	134.1
95°	0.6	5.8	18.5	35.3	52.6	61.3	70.5	87.3	103.5	118.5	132.4
97.5°	0.6	5.8	17.9	34.1	51.5	60.1	68.8	85.6	101.8	116.8	130.7
100°	0.6	5.2	17.9	33.5	50.3	58.4	67.6	83.8	100.0	114.5	128.9
102.5°	0.6	5.2	17.3	32.4	49.1	57.2	65.9	82.1	97.1	112.2	125.5
105°	0.6	4.6	16.8	31.8	47.4	55.5	64.2	79.8	94.8	109.3	122.6
107.5°	0.6	4.6	16.2	30.6	46.3	54.3	62.4	77.5	92.5	106.4	119.7
110°	0.6	4.0	15.6	29.5	44.5	52.6	60.7	75.7	90.2	104.1	116.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.6	4.0	14.5	28.3	43.4	50.9	58.4	73.4	87.3	101.2	113.3
115°	0.6	3.5	13.9	27.2	41.6	49.1	56.1	70.5	84.4	97.1	109.3
117.5°	0.6	3.5	13.3	26.0	39.9	46.8	54.3	67.6	81.5	93.7	106.4
120°	0.6	2.9	12.7	24.9	38.2	45.1	52.0	65.3	78.0	90.2	101.8
122.5°	0.6	2.3	11.6	23.7	36.4	42.8	49.1	61.9	74.6	86.7	97.1
125°	0.6	1.7	11.0	22.0	34.1	40.5	46.8	59.5	71.1	82.7	93.1
127.5°	0.6	1.7	9.8	20.8	32.4	38.2	44.5	56.1	67.6	78.6	88.5
130°	0.6	1.2	8.7	18.5	30.1	35.8	41.6	53.2	63.6	74.6	83.8
132.5°	0.6	1.2	7.5	16.8	27.2	32.4	38.7	49.7	60.1	70.0	79.2
135°	1.2	1.2	6.4	15.0	24.3	29.5	34.7	45.1	55.5	65.3	74.0
137.5°	1.2	1.2	5.2	12.7	21.4	26.0	31.2	40.5	50.3	60.7	68.8
140°	1.2	1.2	4.6	11.0	18.5	23.1	27.2	35.8	44.5	53.8	63.0
142.5°	1.2	1.2	3.5	9.3	16.2	19.7	23.7	31.8	39.3	47.4	56.1
145°	1.2	1.2	2.9	8.1	13.9	17.3	20.2	27.2	34.1	41.6	49.7
147.5°	1.2	1.2	2.3	6.4	11.6	14.5	17.9	23.1	30.1	36.4	42.2
150°	1.2	1.2	1.7	5.2	9.8	12.1	15.0	19.7	25.4	31.2	36.4
152.5°	1.2	1.2	1.7	4.6	8.1	9.8	12.1	16.8	20.8	26.0	30.6
155°	1.2	1.2	1.7	3.5	6.4	8.1	10.4	13.9	17.3	21.4	25.4
157.5°	1.2	1.2	1.2	2.3	5.2	6.9	8.1	11.0	14.5	16.8	19.7
160°	1.2	1.2	1.2	1.7	4.0	5.2	6.4	8.7	11.0	13.3	16.2
162.5°	1.7	1.7	1.7	1.7	2.9	3.5	4.6	6.4	8.7	10.4	11.6
165°	1.7	1.7	1.7	1.7	1.7	2.3	2.9	4.6	5.8	7.5	8.7
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.9	4.0	4.6	5.8
170°	1.7	1.7	1.7	1.7	1.7	1.2	1.2	1.7	1.7	2.3	2.9
172.5°	1.7	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2	1.2	1.2
175°	1.7	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2	0.6	0.6
177.5°	1.7	1.7	1.7	1.7	1.7	1.7	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°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1396.2	1396.8	1398.5	1398.5	1398.5	1399.1	1398.5	1397.9	1396.8	1397.9	1396.2
5°	1393.3	1393.9	1395.0	1396.8	1396.8	1396.8	1397.9	1395.6	1395.6	1395.0	1394.5
7.5°	1388.7	1389.3	1391.6	1392.7	1392.7	1393.3	1393.9	1393.9	1392.1	1392.1	1391.0
10°	1381.7	1384.6	1385.8	1388.1	1386.9	1388.7	1389.3	1388.1	1386.9	1387.5	1387.5
12.5°	1373.6	1377.7	1377.7	1382.3	1381.7	1381.2	1382.3	1382.3	1381.7	1382.3	1382.3
15°	1363.2	1366.7	1369.0	1373.1	1372.5	1372.5	1375.4	1376.0	1374.2	1374.2	1373.1
17.5°	1349.4	1351.1	1356.9	1358.6	1359.8	1360.9	1362.7	1363.8	1363.2	1363.2	1361.5
20°	1332.0	1336.1	1342.4	1341.9	1348.2	1348.2	1348.2	1348.8	1349.9	1351.7	1348.8
22.5°	1311.2	1318.1	1323.3	1326.8	1328.0	1329.1	1331.4	1333.8	1333.2	1333.2	1333.8
25°	1289.8	1297.3	1301.4	1308.3	1310.6	1309.5	1314.1	1315.3	1315.3	1314.1	1315.3
27.5°	1266.1	1274.2	1281.1	1281.7	1285.2	1286.9	1289.2	1293.3	1293.3	1293.9	1292.1
30°	1240.1	1248.8	1253.4	1257.4	1259.8	1259.8	1266.1	1267.3	1266.7	1270.2	1269.6
32.5°	1211.8	1221.6	1225.6	1231.4	1234.3	1234.3	1237.8	1241.8	1240.1	1240.1	1241.3
35°	1180.0	1188.6	1193.8	1200.8	1201.9	1203.7	1207.7	1212.3	1214.1	1213.5	1211.8
37.5°	1151.1	1154.0	1163.2	1168.4	1169.0	1171.3	1175.9	1179.4	1178.2	1180.0	1179.4
40°	1112.9	1119.3	1127.4	1133.7	1137.2	1136.0	1140.7	1143.6	1145.3	1145.9	1148.2
42.5°	1077.1	1085.7	1090.9	1097.3	1099.6	1099.6	1102.5	1104.8	1107.7	1110.6	1107.7
45°	1036.6	1043.5	1051.0	1056.8	1061.5	1062.6	1064.9	1064.3	1067.2	1068.4	1072.4
47.5°	993.8	1003.1	1008.8	1014.6	1016.9	1021.0	1025.6	1026.2	1030.2	1027.3	1030.8
50°	951.6	959.1	966.6	973.6	975.9	975.3	977.6	980.5	983.4	985.7	984.0
52.5°	902.5	911.1	918.7	924.4	929.6	928.5	935.4	933.1	939.5	941.8	938.3
55°	851.6	865.5	871.2	876.5	877.0	881.7	891.5	887.4	889.7	892.6	890.3
57.5°	801.3	810.5	818.6	825.6	827.3	833.1	835.4	837.1	840.0	840.6	843.5
60°	753.3	756.8	767.2	774.7	777.6	778.2	788.6	786.8	790.9	792.6	790.3
62.5°	694.3	704.7	713.4	722.1	722.1	726.7	730.8	729.6	734.2	737.1	738.9
65°	637.1	647.5	656.2	663.1	666.0	671.2	672.9	674.1	679.3	681.6	681.6
67.5°	578.1	592.6	597.8	604.2	609.4	611.1	618.0	620.3	623.2	626.7	627.9
70°	520.3	536.5	541.7	548.1	549.8	555.0	559.6	564.3	563.1	567.1	570.0
72.5°	464.8	475.8	481.0	489.1	494.3	498.9	503.0	507.6	509.9	508.8	512.2
75°	404.7	416.3	421.5	433.0	434.2	438.8	446.3	449.2	450.4	449.8	450.9
77.5°	348.6	357.9	363.6	374.1	379.3	380.4	390.2	390.2	393.7	392.6	394.9
80°	287.3	299.5	312.8	320.3	325.5	324.9	330.1	334.2	335.9	335.9	337.6
82.5°	238.2	247.4	260.2	268.3	271.1	274.6	281.6	284.4	287.9	284.4	289.6
85°	195.4	205.8	215.6	222.0	224.9	230.7	236.5	237.6	242.8	242.8	242.2
87.5°	161.3	172.3	182.1	190.8	194.8	197.1	203.5	206.4	208.7	210.4	209.3
90°	148.6	160.1	170.0	178.1	182.1	185.0	190.2	193.7	195.4	196.0	195.4
92.5°	146.8	157.8	167.7	176.3	179.8	183.3	188.5	191.9	194.3	194.8	193.7
95°	145.1	156.7	166.5	174.6	178.1	181.5	186.7	190.2	192.5	193.1	191.9
97.5°	144.0	154.4	164.8	172.9	176.3	179.2	185.0	188.5	190.2	190.8	190.2
100°	141.6	152.0	161.9	170.0	173.4	176.3	181.5	185.6	187.3	187.9	187.3
102.5°	138.2	149.2	158.4	166.5	170.0	173.4	178.1	181.5	183.8	184.4	183.8
105°	135.3	146.3	155.5	163.0	166.5	170.0	174.6	178.1	180.4	181.0	179.8
107.5°	131.8	142.8	152.0	160.1	163.6	166.5	171.1	174.6	176.3	176.9	175.8
110°	128.3	139.3	148.6	156.1	159.6	161.9	167.1	170.0	172.3	172.9	171.7



TEST NUMBER: P241621

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	124.3	134.7	144.0	151.5	154.4	157.8	161.9	165.3	167.7	168.2	167.1
115°	120.3	130.1	139.9	147.4	150.3	153.2	157.8	160.7	162.5	163.0	162.5
117.5°	116.8	126.0	134.7	142.2	145.1	148.0	152.6	155.5	157.8	157.8	157.3
120°	112.2	121.4	129.5	136.4	140.5	142.2	146.8	150.3	152.0	152.0	152.0
122.5°	108.1	116.8	125.5	131.8	134.7	137.0	141.6	145.1	146.8	146.8	145.7
125°	102.9	111.6	119.1	126.0	128.3	130.7	135.3	138.2	139.9	140.5	139.3
127.5°	97.7	106.4	113.9	119.7	123.1	125.5	128.9	131.8	134.1	134.1	133.0
130°	92.5	100.6	108.1	113.9	116.8	118.5	122.6	126.0	127.2	127.2	126.6
132.5°	87.3	95.4	102.3	107.5	110.4	112.2	115.6	118.5	120.3	120.8	119.7
135°	82.1	89.6	96.0	101.8	103.5	105.8	108.7	111.6	112.7	113.3	112.2
137.5°	76.9	83.8	89.6	94.8	97.1	98.9	102.3	104.6	105.8	106.4	105.2
140°	71.1	77.5	83.3	88.5	90.8	91.9	95.4	97.1	98.9	98.9	97.7
142.5°	65.3	71.7	76.9	81.5	83.3	85.0	87.9	90.2	90.8	90.8	90.8
145°	58.4	65.3	70.5	75.2	76.9	78.0	80.4	82.1	83.3	83.8	82.7
147.5°	50.9	57.2	63.6	67.6	69.4	71.1	72.8	75.2	75.7	75.7	74.6
150°	42.8	49.1	56.1	60.7	63.0	63.6	65.3	66.5	68.2	68.2	67.6
152.5°	35.8	41.6	48.0	53.8	54.9	56.7	57.8	59.5	60.1	60.1	59.5
155°	30.1	34.7	39.3	45.1	48.0	49.1	50.9	52.0	52.6	52.0	52.0
157.5°	23.7	27.8	31.8	36.4	40.5	41.6	43.4	44.5	45.1	44.5	44.5
160°	18.5	21.4	24.3	28.9	30.6	33.5	35.8	36.4	37.0	37.0	36.4
162.5°	13.9	16.2	17.9	20.8	23.1	24.9	28.3	29.5	29.5	30.1	28.9
165°	9.8	11.0	12.7	14.5	15.6	16.8	20.2	22.0	22.0	22.5	22.0
167.5°	6.4	6.9	8.1	9.3	9.8	11.0	12.1	14.5	15.6	15.6	15.0
170°	3.5	3.5	4.0	4.6	5.2	5.2	5.8	8.1	8.7	8.7	8.1
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	2.9	2.9	2.3
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: P241621

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

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1397.4	1396.2	1397.9	1398.5	1397.4	1395.0	1392.7	1391.0	1388.7	1388.1	1388.1
5°	1394.5	1393.9	1395.0	1395.0	1395.0	1393.9	1390.4	1388.1	1384.6	1383.5	1384.6
7.5°	1391.0	1391.0	1392.1	1391.6	1390.4	1389.3	1385.2	1382.3	1379.4	1378.3	1378.3
10°	1385.8	1385.2	1385.8	1384.6	1384.6	1382.3	1379.4	1374.8	1371.9	1370.8	1370.8
12.5°	1380.6	1378.3	1377.7	1379.4	1377.7	1374.8	1369.0	1366.1	1364.4	1359.2	1358.6
15°	1371.9	1369.0	1369.6	1368.4	1370.2	1366.7	1360.4	1357.5	1351.1	1347.1	1346.5
17.5°	1359.8	1359.8	1359.2	1358.0	1356.9	1352.8	1348.8	1344.7	1340.1	1335.5	1329.1
20°	1345.9	1346.5	1345.3	1345.9	1345.3	1338.4	1334.3	1328.0	1324.5	1318.1	1313.5
22.5°	1331.4	1330.3	1328.6	1327.4	1328.0	1323.3	1317.6	1311.2	1306.0	1298.5	1293.9
25°	1314.1	1312.9	1310.1	1309.5	1309.5	1303.7	1298.5	1289.2	1286.9	1278.8	1270.7
27.5°	1290.4	1289.2	1288.1	1286.3	1285.2	1282.3	1277.1	1267.3	1260.9	1254.0	1245.9
30°	1264.4	1266.7	1262.6	1261.5	1258.6	1258.6	1251.7	1243.6	1236.6	1226.2	1218.7
32.5°	1238.4	1239.5	1238.4	1236.1	1232.0	1230.8	1222.8	1215.8	1208.3	1197.3	1188.1
35°	1210.0	1208.3	1209.5	1202.5	1205.4	1198.5	1191.0	1186.9	1177.7	1167.3	1158.0
37.5°	1178.8	1177.7	1174.2	1170.7	1169.0	1167.3	1158.0	1151.6	1147.0	1133.7	1122.7
40°	1141.8	1143.6	1141.2	1140.7	1135.5	1133.1	1122.7	1115.8	1109.4	1097.3	1086.9
42.5°	1107.1	1110.0	1101.3	1102.5	1099.6	1092.7	1086.9	1081.1	1069.5	1063.2	1047.0
45°	1069.0	1066.1	1064.3	1058.0	1058.0	1054.5	1045.8	1042.4	1030.8	1020.4	1006.5
47.5°	1025.0	1028.5	1020.4	1021.0	1019.8	1013.5	1003.6	1000.8	987.5	980.5	963.8
50°	984.0	980.5	978.2	979.4	971.8	970.7	963.2	953.9	943.5	934.8	922.1
52.5°	936.0	936.6	936.6	930.2	930.2	921.0	912.9	905.9	897.8	884.5	875.9
55°	890.9	889.7	886.3	885.1	877.0	873.0	865.5	855.1	849.9	837.7	827.9
57.5°	843.5	840.6	836.6	830.2	828.5	823.3	815.2	805.9	796.7	786.3	779.3
60°	790.3	789.2	783.4	779.3	777.0	770.7	765.5	757.9	744.6	733.7	722.7
62.5°	735.4	734.8	731.9	726.7	725.6	718.6	709.4	699.0	689.7	679.3	666.6
65°	678.7	675.3	670.6	670.1	664.9	661.4	656.8	642.3	630.7	620.9	609.4
67.5°	626.1	623.2	614.0	614.0	609.9	604.2	595.5	589.7	572.9	563.1	549.8
70°	565.4	566.0	561.9	559.1	551.0	542.9	538.8	531.3	517.4	503.0	493.1
72.5°	507.0	504.1	498.4	496.0	494.3	488.5	477.0	465.4	455.0	445.2	426.7
75°	449.2	445.7	437.1	440.0	435.3	427.8	421.5	408.2	394.9	382.7	368.8
77.5°	390.8	384.5	381.6	381.0	379.8	369.4	359.0	347.5	335.3	330.1	307.6
80°	338.2	329.5	325.5	326.6	321.4	311.6	305.3	294.3	281.6	268.3	251.5
82.5°	283.3	282.1	274.6	271.7	267.7	261.9	252.1	240.5	227.2	214.5	199.5
85°	239.3	234.7	234.7	225.5	224.3	215.6	206.4	195.4	181.0	165.9	152.0
87.5°	208.1	202.3	198.3	193.7	190.8	183.8	172.3	160.7	147.4	137.0	118.5
90°	192.5	189.0	182.7	179.2	175.8	166.5	156.1	145.1	132.4	117.9	104.1
92.5°	190.8	186.7	181.0	177.5	174.0	164.8	154.4	143.4	130.1	116.2	101.2
95°	189.6	185.0	179.2	175.8	172.3	163.0	153.2	141.6	128.9	114.5	100.0
97.5°	187.3	183.3	177.5	174.0	170.0	161.3	151.5	139.9	127.2	112.7	98.3
100°	184.4	179.8	174.6	171.1	167.7	159.0	148.6	137.0	124.3	111.0	96.5
102.5°	181.0	177.5	171.1	167.7	164.2	155.5	145.7	134.1	122.0	108.7	94.2
105°	177.5	173.4	168.2	164.8	160.7	152.6	142.8	131.2	119.1	105.8	91.9
107.5°	174.6	170.0	164.2	160.7	157.3	149.2	139.3	128.3	116.2	102.9	89.6
110°	170.0	165.9	160.1	156.7	153.2	145.1	135.3	124.9	113.3	100.0	86.7



TEST NUMBER: P241621

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

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	164.8	160.7	154.9	152.0	148.6	140.5	131.2	120.8	109.8	97.1	83.8
115°	160.1	156.1	150.9	148.0	144.5	136.4	127.2	116.8	106.4	93.7	80.9
117.5°	154.9	150.9	145.7	142.8	139.3	131.2	123.1	113.3	102.3	90.2	78.0
120°	149.2	145.1	140.5	137.6	134.1	126.6	118.5	108.7	98.3	86.7	74.6
122.5°	143.4	139.9	134.7	131.8	128.9	122.0	113.9	104.6	94.2	83.3	71.7
125°	137.0	133.5	128.9	126.0	123.1	116.8	108.7	100.0	89.6	79.2	67.6
127.5°	130.7	127.8	123.1	120.3	117.4	111.0	103.5	94.8	85.6	75.2	64.2
130°	124.3	120.8	116.8	114.5	111.0	105.2	98.3	89.6	80.9	71.1	60.7
132.5°	117.4	114.5	110.4	108.1	105.8	99.4	92.5	85.0	75.7	66.5	57.2
135°	110.4	107.5	104.6	101.8	98.9	93.7	86.7	79.2	71.1	62.4	53.2
137.5°	103.5	100.6	97.7	95.4	92.5	87.3	81.5	74.0	65.9	58.4	49.7
140°	96.5	93.7	90.8	88.5	86.1	81.5	75.2	68.8	61.3	53.2	45.1
142.5°	89.0	86.7	83.3	81.5	79.2	74.6	69.4	63.0	56.1	48.6	41.6
145°	81.5	79.2	76.3	74.6	72.3	68.2	63.6	57.2	50.9	44.5	37.6
147.5°	74.0	71.7	68.8	67.6	65.3	62.4	57.2	51.5	46.3	39.3	33.0
150°	65.9	64.8	61.9	60.1	59.0	54.9	50.9	45.7	41.0	35.3	29.5
152.5°	59.0	57.2	54.3	53.2	52.0	48.6	45.1	39.9	35.8	30.6	25.4
155°	50.9	49.7	47.4	46.3	45.1	41.6	38.7	34.7	30.6	26.0	21.4
157.5°	43.9	42.8	40.5	39.3	38.2	35.8	32.4	29.5	25.4	21.4	17.3
160°	35.8	34.7	33.5	32.4	31.8	29.5	26.0	23.7	20.8	17.3	13.3
162.5°	28.3	28.3	26.6	26.0	24.9	23.1	20.8	17.9	15.6	13.3	9.8
165°	21.4	20.8	19.7	19.1	18.5	16.8	15.0	13.9	11.6	9.3	6.4
167.5°	14.5	13.9	13.3	13.3	12.7	11.6	9.8	8.1	6.9	5.2	4.0
170°	8.1	7.5	7.5	6.9	6.9	5.8	5.2	4.0	3.5	2.3	1.7
172.5°	2.3	2.3	2.3	2.3	1.7	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: P241621

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

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1388.7	1389.8	1389.8	1389.3	1394.5	1397.4	1400.2	1403.1	1406.0	1408.3	1411.2
5°	1383.5	1385.2	1384.6	1385.8	1388.1	1394.5	1396.8	1398.5	1401.4	1404.3	1407.8
7.5°	1377.7	1378.3	1377.7	1377.1	1382.3	1386.4	1388.7	1391.6	1395.0	1396.8	1399.7
10°	1369.0	1368.4	1368.4	1368.4	1371.9	1376.0	1378.9	1381.7	1384.1	1386.4	1388.1
12.5°	1356.9	1358.0	1355.1	1356.3	1356.9	1361.5	1365.0	1369.0	1369.6	1372.5	1373.6
15°	1344.2	1343.0	1343.0	1341.9	1341.9	1345.3	1347.6	1349.9	1353.4	1356.9	1359.2
17.5°	1327.4	1325.1	1323.9	1325.1	1323.3	1325.1	1328.6	1330.3	1333.8	1334.3	1340.7
20°	1308.3	1308.9	1304.8	1302.0	1301.4	1304.3	1304.8	1309.5	1311.8	1312.4	1317.0
22.5°	1287.5	1284.0	1281.7	1280.6	1280.0	1280.0	1280.0	1281.7	1285.2	1286.9	1291.6
25°	1265.0	1259.2	1257.4	1255.7	1251.7	1251.1	1252.8	1254.6	1256.9	1260.9	1264.4
27.5°	1238.4	1233.2	1231.4	1227.4	1222.2	1223.9	1223.9	1227.4	1226.8	1230.3	1234.9
30°	1208.3	1203.7	1199.6	1199.1	1189.8	1192.7	1189.2	1195.0	1193.8	1199.6	1204.8
32.5°	1181.1	1173.0	1166.7	1164.9	1157.4	1156.3	1155.7	1158.0	1158.0	1163.2	1172.5
35°	1148.2	1138.9	1131.4	1130.8	1119.8	1120.4	1116.4	1120.4	1121.6	1126.8	1136.0
37.5°	1110.6	1100.8	1096.7	1095.0	1082.8	1081.7	1078.8	1079.4	1082.3	1088.6	1095.6
40°	1073.0	1064.3	1059.1	1058.0	1047.0	1040.1	1035.4	1038.9	1038.3	1048.2	1056.3
42.5°	1035.4	1023.9	1017.5	1014.0	1006.5	998.4	993.8	995.0	997.9	1003.6	1015.8
45°	997.3	984.0	976.5	974.2	959.7	953.3	948.7	949.3	951.6	962.6	969.0
47.5°	952.2	939.5	932.5	927.3	914.6	907.7	900.7	902.5	904.8	913.5	925.6
50°	906.5	892.6	885.7	881.1	871.2	856.2	850.4	849.9	853.3	866.0	879.9
52.5°	862.0	845.8	839.5	833.1	818.1	807.1	802.5	804.8	806.5	810.5	826.7
55°	813.4	797.2	788.6	785.7	766.6	759.7	751.0	746.4	750.4	761.4	777.6
57.5°	763.7	744.6	736.5	732.5	713.4	708.2	695.5	690.9	694.9	705.9	721.5
60°	706.5	693.2	681.6	677.0	662.0	646.4	637.7	637.7	643.5	648.1	664.3
62.5°	652.7	634.2	631.3	617.4	602.4	590.9	580.4	576.4	583.9	594.9	608.2
65°	593.7	574.7	571.2	560.8	545.2	531.3	526.1	520.3	523.8	531.3	545.2
67.5°	537.7	518.0	509.3	500.1	489.7	471.8	458.5	457.3	460.2	477.0	485.6
70°	477.0	458.5	452.1	448.6	427.2	409.9	400.1	395.4	401.2	418.0	429.0
72.5°	413.4	401.8	389.1	382.7	365.4	346.9	335.9	334.2	339.9	350.3	365.4
75°	353.8	335.9	330.1	322.6	304.1	285.6	273.5	270.6	277.5	287.9	303.5
77.5°	294.8	275.8	270.0	260.7	244.0	227.2	212.2	206.4	216.8	227.8	246.3
80°	237.6	222.6	213.9	205.2	188.5	171.7	154.4	148.6	157.8	170.5	183.3
82.5°	182.1	165.9	154.4	147.4	131.8	116.2	102.9	99.4	105.8	118.5	131.8
85°	135.3	119.1	109.8	101.8	87.9	67.1	54.9	49.7	55.5	68.8	85.6
87.5°	104.1	86.1	76.9	70.0	50.3	35.8	20.8	16.8	23.1	34.7	53.2
90°	87.3	70.5	61.9	53.2	35.3	19.1	6.9	1.7	8.1	21.4	38.7
92.5°	85.0	68.2	59.5	50.9	33.5	17.3	5.2	0.6	6.4	19.1	35.8
95°	83.8	67.1	58.4	49.7	32.4	16.8	4.6	0.6	5.8	18.5	35.3
97.5°	82.7	65.3	57.2	48.6	31.8	16.8	4.6	0.6	5.8	17.9	34.1
100°	80.9	63.6	55.5	47.4	31.2	16.2	4.6	0.6	5.8	17.9	33.5
102.5°	78.6	62.4	54.3	46.3	30.1	15.6	4.0	0.6	5.2	17.3	33.0
105°	76.3	60.7	53.2	45.1	28.9	15.0	4.0	0.6	5.2	16.8	31.8
107.5°	74.6	59.0	51.5	43.4	27.8	14.5	3.5	0.6	4.6	16.2	30.6
110°	72.3	57.2	49.7	42.2	27.2	13.9	3.5	0.6	4.6	15.6	29.5



TEST NUMBER: P241621

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

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	70.0	54.9	48.0	40.5	26.0	12.7	2.9	0.6	4.0	15.0	28.3
115°	67.1	53.2	46.3	38.7	24.9	12.1	2.9	0.6	4.0	14.5	27.8
117.5°	64.8	50.9	43.9	37.0	23.1	11.6	2.3	0.6	3.5	13.3	26.0
120°	61.9	48.0	41.6	34.7	22.0	11.0	1.7	0.6	3.5	12.7	24.9
122.5°	59.0	45.7	39.3	33.0	20.8	9.8	1.7	0.6	2.9	12.1	23.7
125°	56.1	43.4	37.0	31.2	19.7	9.3	1.2	0.6	2.9	11.0	22.5
127.5°	53.2	41.0	35.3	29.5	18.5	8.1	1.2	0.6	2.3	10.4	21.4
130°	49.7	38.2	33.0	27.2	16.8	7.5	1.2	0.6	1.7	9.3	19.1
132.5°	46.8	35.3	30.6	25.4	15.6	6.4	1.2	0.6	1.7	8.1	17.3
135°	43.4	33.0	28.3	23.7	13.9	5.8	0.6	0.6	1.2	6.9	15.0
137.5°	39.9	30.6	26.0	21.4	12.7	4.6	1.2	1.2	1.2	5.8	13.3
140°	36.4	27.8	23.1	19.1	11.0	4.0	1.2	1.2	1.2	5.2	11.6
142.5°	33.0	24.9	20.8	17.3	9.8	2.9	1.2	1.2	1.2	4.0	9.8
145°	30.1	22.5	18.5	15.0	8.1	2.3	1.2	1.2	1.2	3.5	8.1
147.5°	26.6	19.7	16.2	13.3	6.9	1.7	1.2	1.2	1.2	2.9	6.9
150°	23.1	16.8	13.9	11.0	5.2	1.2	1.2	1.2	1.2	2.3	6.4
152.5°	19.7	13.9	11.6	9.3	4.0	1.2	1.2	1.2	1.2	2.3	5.2
155°	16.2	11.6	9.3	6.9	2.9	1.2	1.2	1.2	1.2	1.7	4.0
157.5°	13.3	9.3	7.5	5.2	1.7	1.2	1.2	1.2	1.2	1.7	3.5
160°	10.4	6.4	5.2	3.5	1.2	1.2	1.2	1.2	1.2	1.7	2.3
162.5°	7.5	4.6	2.9	2.3	1.2	1.2	1.2	1.7	1.2	1.2	2.3
165°	4.6	2.3	1.7	1.2	1.2	1.2	1.2	1.7	1.7	1.2	1.7
167.5°	2.3	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7
170°	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7
175°	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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: P241621

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

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1411.2	1411.8	1411.8	1411.8	1408.9	1404.3	1402.6	1398.5	1399.7	1402.0	1402.0
5°	1408.3	1408.9	1407.8	1407.2	1404.3	1399.1	1397.9	1396.2	1395.0	1399.1	1399.1
7.5°	1400.8	1400.2	1400.8	1401.4	1399.1	1395.0	1392.7	1390.4	1392.1	1395.0	1395.6
10°	1390.4	1391.6	1391.6	1391.0	1389.8	1386.9	1386.4	1384.6	1386.4	1388.7	1391.0
12.5°	1377.1	1378.9	1378.9	1380.0	1378.9	1376.0	1377.7	1375.4	1378.9	1384.1	1384.6
15°	1362.1	1362.7	1362.7	1366.1	1366.1	1365.6	1366.7	1366.1	1370.2	1372.5	1373.6
17.5°	1344.2	1344.2	1347.1	1351.1	1351.7	1347.1	1350.5	1351.1	1353.4	1358.6	1362.1
20°	1321.6	1325.7	1324.5	1329.1	1329.1	1329.7	1332.0	1334.3	1337.8	1340.7	1347.6
22.5°	1296.8	1301.4	1301.4	1304.3	1308.3	1310.6	1311.2	1314.1	1318.7	1327.4	1326.8
25°	1273.1	1273.1	1277.1	1280.0	1281.1	1287.5	1285.2	1294.4	1297.9	1304.8	1306.0
27.5°	1244.1	1244.7	1249.9	1255.1	1256.3	1258.0	1264.4	1267.3	1274.8	1278.3	1284.6
30°	1212.3	1217.6	1219.3	1226.8	1229.1	1233.2	1236.6	1241.3	1249.9	1252.8	1257.4
32.5°	1178.8	1185.8	1187.5	1193.8	1196.2	1202.5	1205.4	1209.5	1218.7	1225.1	1230.8
35°	1141.8	1147.6	1152.2	1161.5	1164.9	1169.0	1173.0	1181.1	1191.0	1193.8	1199.1
37.5°	1105.4	1111.8	1116.4	1124.5	1129.1	1136.6	1141.8	1147.0	1155.1	1162.1	1166.1
40°	1067.8	1074.2	1075.9	1086.9	1091.5	1100.2	1105.4	1114.1	1120.4	1127.4	1136.6
42.5°	1025.6	1032.0	1034.9	1045.8	1053.9	1058.0	1067.8	1074.8	1084.6	1088.6	1094.4
45°	983.4	988.0	992.7	1003.1	1011.7	1016.9	1028.5	1034.3	1041.2	1049.3	1053.9
47.5°	936.0	941.8	946.4	958.5	967.2	977.0	984.6	992.7	1001.9	1007.1	1016.9
50°	889.7	895.5	899.6	912.3	921.0	928.5	941.2	952.2	957.4	964.9	970.7
52.5°	839.5	847.5	852.7	866.6	875.9	884.5	892.1	903.6	907.7	921.0	926.7
55°	785.7	794.4	802.5	813.4	821.5	838.3	841.2	853.9	864.3	871.2	874.1
57.5°	733.1	740.0	749.8	761.4	774.7	784.0	792.0	801.3	807.7	815.2	825.0
60°	678.7	689.7	690.3	704.2	715.2	729.6	741.7	747.5	759.1	763.7	770.7
62.5°	622.7	626.7	638.8	652.1	659.7	674.1	682.2	694.9	702.4	713.4	720.9
65°	560.8	571.2	581.6	588.5	604.2	614.0	624.4	637.1	643.5	657.9	661.4
67.5°	503.6	513.4	516.9	531.3	544.0	559.6	570.6	581.0	588.0	597.2	609.4
70°	446.9	453.3	457.9	473.5	487.4	498.9	511.1	524.9	533.0	540.0	545.8
72.5°	382.1	386.8	399.5	411.1	425.5	439.4	451.5	463.7	472.9	480.4	487.4
75°	318.6	325.5	339.9	355.0	367.1	384.5	391.4	403.5	411.1	424.4	429.0
77.5°	263.1	271.7	278.1	296.6	307.6	325.5	338.2	348.0	353.2	364.2	374.1
80°	204.1	213.9	219.7	237.6	252.1	263.6	275.2	287.3	301.8	312.2	315.1
82.5°	152.6	157.3	164.8	184.4	199.5	218.0	229.5	238.2	250.3	258.4	265.4
85°	105.8	110.4	122.6	137.0	152.6	169.4	182.1	196.0	204.7	215.1	223.2
87.5°	70.0	78.6	89.0	105.8	119.7	135.9	149.7	161.3	172.9	182.7	190.2
90°	56.1	64.8	74.0	90.8	107.0	122.0	135.9	148.6	159.6	170.0	177.5
92.5°	53.8	62.4	71.1	88.5	104.1	119.7	133.5	146.8	157.3	167.1	175.8
95°	52.6	61.3	70.0	86.7	102.9	117.9	131.8	145.1	156.1	165.9	174.0
97.5°	51.5	60.1	68.8	85.6	101.2	116.8	130.1	142.8	154.4	164.2	172.3
100°	50.3	58.4	67.1	83.3	99.4	114.5	128.3	141.1	152.0	161.9	170.0
102.5°	49.1	57.2	65.9	81.5	97.1	111.6	125.5	137.6	149.2	158.4	166.5
105°	47.4	55.5	64.2	79.8	94.8	108.7	122.6	134.7	146.3	154.9	163.0
107.5°	46.3	54.3	61.9	78.0	92.5	106.4	119.1	131.2	142.2	152.0	159.6
110°	44.5	52.6	60.1	75.2	90.2	103.5	116.2	128.3	138.8	148.6	156.1



TEST NUMBER: P241621

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

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	43.4	50.9	58.4	72.8	86.7	100.6	112.7	124.3	135.3	144.0	151.5
115°	41.6	49.1	56.1	70.5	84.4	97.7	109.3	120.8	130.7	139.9	147.4
117.5°	39.9	46.8	54.3	67.6	81.5	93.7	105.8	116.2	126.0	134.7	142.2
120°	38.2	45.1	52.0	65.3	78.0	90.8	101.8	112.2	121.4	130.1	137.0
122.5°	36.4	42.8	49.7	62.4	74.6	86.7	97.7	107.5	116.8	124.3	131.8
125°	34.7	41.0	47.4	59.5	71.1	82.7	93.1	102.9	111.6	119.1	126.0
127.5°	33.0	38.7	44.5	56.7	68.2	78.6	89.0	98.3	106.4	113.9	120.3
130°	30.6	36.4	41.6	53.2	64.2	74.6	84.4	93.1	101.8	108.1	114.5
132.5°	27.2	33.0	38.7	49.7	60.7	70.5	79.8	88.5	96.0	102.3	108.7
135°	24.3	29.5	34.7	44.5	55.5	65.9	74.6	82.7	90.2	96.0	102.3
137.5°	21.4	26.0	30.6	39.9	49.7	59.5	70.0	77.5	84.4	90.2	95.4
140°	19.1	22.5	27.2	35.3	44.5	53.2	63.0	72.3	78.6	84.4	89.6
142.5°	16.2	20.2	24.3	31.2	38.7	46.8	56.1	64.8	72.8	77.5	82.7
145°	13.9	17.3	20.8	27.2	33.5	41.0	48.0	57.8	65.9	71.7	75.7
147.5°	12.1	14.5	17.9	23.7	28.9	35.3	42.2	49.7	57.2	64.8	68.8
150°	10.4	12.7	15.0	19.7	24.9	30.1	35.3	42.2	48.0	56.1	61.9
152.5°	8.7	11.0	12.7	16.8	20.8	25.4	30.1	35.8	41.0	46.8	54.3
155°	7.5	9.3	11.0	13.9	17.3	20.8	24.9	29.5	34.1	39.3	45.1
157.5°	5.8	7.5	9.3	11.6	14.5	16.8	20.2	23.1	27.8	30.6	35.8
160°	4.6	5.8	6.9	9.3	11.6	13.9	15.6	18.5	21.4	23.7	27.8
162.5°	3.5	4.6	5.8	7.5	9.3	11.0	12.1	13.9	15.6	17.9	20.8
165°	2.3	3.5	4.0	5.2	6.9	8.1	9.3	9.8	11.0	12.7	14.5
167.5°	1.7	2.3	2.9	3.5	4.6	5.8	6.4	6.9	7.5	8.1	9.3
170°	1.7	1.7	1.7	2.3	2.9	3.5	4.0	4.0	4.6	4.6	5.2
172.5°	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7
175°	1.7	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.0	0.0
177.5°	1.7	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: P241621

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1402.6	1403.7	1403.7	1403.7	1403.7	1403.1	1403.7	1403.7	1403.1	1403.1	1403.1
5°	1400.2	1400.2	1402.0	1401.4	1402.0	1401.4	1401.4	1400.2	1401.4	1400.8	1400.2
7.5°	1396.8	1397.4	1397.9	1399.1	1398.5	1397.9	1398.5	1397.4	1396.8	1396.8	1396.8
10°	1391.6	1393.3	1394.5	1395.6	1394.5	1395.0	1394.5	1393.9	1392.1	1392.7	1392.7
12.5°	1384.1	1385.2	1386.9	1386.9	1387.5	1386.4	1388.7	1386.9	1385.8	1386.9	1384.1
15°	1376.0	1374.8	1377.1	1379.4	1378.9	1378.3	1379.4	1377.7	1377.1	1375.4	1376.5
17.5°	1365.6	1365.0	1368.4	1367.9	1367.9	1367.3	1366.7	1366.1	1364.4	1363.8	1363.2
20°	1348.2	1351.1	1351.7	1353.4	1353.4	1353.4	1353.4	1350.5	1349.4	1348.8	1348.2
22.5°	1330.9	1332.0	1333.8	1335.5	1336.1	1336.6	1336.1	1336.6	1334.3	1333.2	1332.6
25°	1308.3	1313.5	1317.6	1319.9	1317.6	1318.7	1318.1	1316.4	1317.0	1312.4	1312.9
27.5°	1284.6	1288.1	1292.1	1295.0	1294.4	1295.6	1295.6	1295.0	1292.7	1292.1	1290.4
30°	1260.3	1263.2	1263.8	1267.8	1269.6	1271.3	1269.6	1269.0	1267.8	1263.8	1264.4
32.5°	1234.3	1233.7	1240.1	1239.5	1241.8	1244.7	1243.0	1242.4	1239.5	1237.8	1237.2
35°	1200.2	1203.7	1207.7	1210.0	1210.0	1211.2	1212.9	1210.6	1210.6	1207.1	1207.1
37.5°	1171.9	1171.9	1174.2	1177.7	1179.4	1181.7	1180.0	1181.1	1175.3	1176.5	1173.0
40°	1134.9	1137.2	1140.7	1142.4	1144.1	1149.3	1145.9	1142.4	1140.7	1141.8	1136.0
42.5°	1098.5	1097.9	1102.5	1105.4	1106.5	1109.4	1108.3	1107.7	1106.0	1101.9	1098.5
45°	1056.3	1060.9	1063.2	1064.9	1068.4	1070.7	1067.8	1069.0	1064.3	1060.3	1059.1
47.5°	1018.1	1019.3	1020.4	1025.6	1023.9	1026.8	1027.9	1029.1	1025.6	1021.0	1019.8
50°	974.7	973.0	978.8	982.3	981.1	983.4	984.6	984.0	981.1	974.2	973.6
52.5°	926.2	926.7	932.0	936.6	934.3	936.6	938.9	938.3	932.0	931.4	928.5
55°	878.2	879.9	885.1	885.7	887.4	891.5	889.2	886.9	888.0	882.8	879.3
57.5°	827.9	827.9	833.7	837.1	837.1	841.2	840.6	837.7	836.6	835.4	830.2
60°	775.9	777.6	781.6	784.0	789.2	789.7	785.7	788.0	786.8	779.3	775.3
62.5°	720.9	720.4	729.0	731.3	732.5	733.1	731.3	734.2	728.4	725.0	725.6
65°	662.0	664.3	670.6	679.9	677.6	678.2	675.3	675.8	672.4	668.3	666.0
67.5°	611.7	613.4	614.6	620.9	627.3	622.7	619.8	618.6	615.1	615.1	610.5
70°	548.1	551.0	563.1	561.9	563.7	561.9	565.4	566.0	556.7	551.5	555.6
72.5°	495.5	492.6	504.7	501.2	504.1	505.9	506.4	501.2	500.1	494.9	492.6
75°	432.4	439.4	443.4	444.0	444.6	452.1	450.4	447.5	441.1	433.0	435.3
77.5°	378.1	381.0	383.3	385.6	387.4	390.8	391.4	389.7	383.9	382.1	378.7
80°	320.9	324.9	330.7	331.3	332.4	335.3	336.5	333.6	329.0	320.3	316.8
82.5°	268.8	272.3	281.6	283.3	285.6	282.1	286.2	282.1	275.2	272.3	269.4
85°	224.9	230.1	233.6	236.5	238.8	242.2	238.8	238.2	233.6	228.9	223.7
87.5°	195.4	198.3	204.7	206.4	207.6	211.0	209.9	207.6	202.3	196.0	194.3
90°	181.5	185.0	190.8	194.3	196.6	196.6	196.0	193.7	189.6	184.4	180.4
92.5°	180.4	184.4	189.6	192.5	194.8	195.4	194.8	191.9	187.9	182.1	178.6
95°	178.1	181.5	187.3	190.8	192.5	193.7	192.5	190.8	186.7	180.4	177.5
97.5°	176.3	179.8	185.0	189.0	190.8	191.9	190.8	188.5	184.4	178.6	175.2
100°	172.9	176.9	182.1	186.2	187.9	189.0	188.5	185.6	181.5	176.3	172.9
102.5°	170.0	173.4	178.6	182.7	184.4	185.0	184.4	182.1	178.1	172.9	169.4
105°	167.1	170.0	175.2	178.6	181.0	181.5	181.0	179.2	175.2	169.4	165.9
107.5°	163.0	166.5	171.7	175.2	176.9	178.1	176.9	175.2	171.1	165.3	162.5
110°	159.6	161.9	167.1	170.5	172.9	173.4	172.9	170.5	166.5	161.3	157.8



TEST NUMBER: P241621

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	154.9	157.8	163.0	165.9	167.7	168.8	168.2	165.3	161.9	156.1	153.2
115°	150.3	153.2	158.4	161.3	163.0	164.2	163.6	161.3	156.7	151.5	148.6
117.5°	145.1	148.6	153.2	155.5	157.8	158.4	157.8	155.5	152.0	147.4	143.4
120°	140.5	142.8	147.4	150.3	152.0	152.6	152.0	149.7	146.3	141.1	138.8
122.5°	134.7	137.6	142.2	145.7	146.8	147.4	146.8	145.1	141.1	135.9	133.0
125°	128.9	131.2	135.9	138.8	140.5	141.6	140.5	138.2	134.1	130.1	127.2
127.5°	122.6	125.5	130.1	132.4	134.1	135.3	134.1	131.2	128.3	124.3	121.4
130°	116.8	119.7	123.1	126.0	127.8	128.3	127.2	125.5	122.6	117.9	115.6
132.5°	111.0	113.3	116.8	119.7	120.8	121.4	120.3	118.5	115.6	111.6	108.7
135°	104.6	106.4	109.8	112.2	113.9	114.5	113.3	111.0	108.7	105.2	102.9
137.5°	97.7	100.0	102.9	105.8	107.0	107.5	106.4	104.6	101.8	98.3	96.0
140°	91.3	92.5	96.5	97.7	99.4	100.0	98.3	96.5	94.2	90.8	89.0
142.5°	84.4	86.1	89.0	90.8	92.5	92.5	91.3	89.6	87.3	83.8	82.7
145°	77.5	78.6	81.5	83.3	84.4	84.4	83.8	82.1	80.4	76.9	75.7
147.5°	70.5	71.7	74.0	75.7	76.9	77.5	76.3	75.2	72.8	70.0	68.2
150°	63.6	64.2	66.5	67.6	68.8	68.8	68.2	67.1	64.8	63.0	61.3
152.5°	56.1	56.7	59.0	60.1	60.7	61.9	60.7	59.0	57.8	55.5	54.3
155°	49.1	50.3	51.5	52.6	53.2	53.2	52.6	52.0	50.3	48.6	46.8
157.5°	39.3	42.8	44.5	45.1	45.1	45.7	45.1	43.9	43.4	41.6	40.5
160°	30.6	33.0	36.4	38.2	38.2	37.6	37.6	36.4	35.8	34.1	34.1
162.5°	22.5	24.3	28.9	29.5	30.6	30.1	30.1	30.1	28.9	28.3	26.6
165°	15.6	16.8	20.2	23.1	23.1	22.5	22.5	22.0	22.0	20.8	19.7
167.5°	9.8	10.4	12.1	16.2	16.2	15.6	15.6	15.6	15.0	13.9	13.9
170°	5.2	5.8	6.4	7.5	9.3	9.3	8.7	9.3	8.7	8.1	7.5
172.5°	1.7	1.7	1.2	1.7	3.5	3.5	3.5	3.5	3.5	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P241621

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

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1403.1	1402.0	1400.2	1397.4	1394.5	1394.5	1394.5	1396.2	1397.4	1396.8	1397.4
5°	1400.2	1397.4	1396.2	1392.7	1391.0	1391.0	1389.8	1391.6	1394.5	1393.3	1393.9
7.5°	1396.8	1395.0	1392.1	1388.1	1384.6	1384.1	1384.1	1384.6	1385.8	1385.2	1384.6
10°	1391.0	1388.7	1386.9	1381.7	1377.7	1376.0	1375.4	1377.1	1376.0	1376.0	1375.4
12.5°	1384.6	1381.7	1378.3	1372.5	1369.0	1365.6	1365.6	1364.4	1365.0	1365.0	1363.8
15°	1373.1	1373.1	1367.9	1363.2	1357.5	1354.0	1351.7	1351.7	1351.1	1350.5	1348.2
17.5°	1362.1	1359.2	1354.0	1348.2	1344.7	1340.7	1337.8	1334.3	1333.8	1333.2	1329.7
20°	1348.2	1343.0	1340.1	1333.8	1328.6	1323.9	1318.7	1315.3	1314.7	1311.2	1308.9
22.5°	1330.9	1326.8	1322.2	1316.4	1308.3	1303.1	1299.6	1295.0	1291.0	1289.8	1287.5
25°	1311.8	1308.9	1305.4	1295.0	1288.1	1282.9	1276.5	1271.3	1266.1	1264.4	1261.5
27.5°	1289.2	1284.0	1280.6	1274.8	1265.5	1255.7	1250.5	1243.6	1240.1	1236.6	1235.5
30°	1261.5	1259.8	1252.8	1247.0	1238.4	1230.3	1225.1	1212.9	1211.2	1206.6	1201.4
32.5°	1235.5	1233.7	1225.1	1218.7	1209.5	1201.9	1193.8	1184.6	1176.5	1175.3	1169.6
35°	1203.1	1202.5	1194.4	1187.5	1178.8	1171.9	1160.9	1152.8	1142.4	1138.9	1135.5
37.5°	1169.6	1169.6	1160.9	1153.4	1145.9	1136.0	1126.8	1113.5	1109.4	1102.5	1099.0
40°	1133.7	1129.7	1125.0	1119.3	1107.7	1099.0	1088.6	1078.8	1069.5	1063.8	1060.3
42.5°	1095.6	1094.4	1090.4	1082.8	1070.7	1059.7	1051.6	1040.6	1027.9	1026.2	1019.3
45°	1057.4	1056.3	1047.6	1041.2	1030.8	1020.4	1010.0	996.7	986.9	982.8	975.9
47.5°	1013.5	1012.3	1007.7	996.7	988.0	975.9	966.6	952.2	940.0	934.8	928.5
50°	971.8	966.1	960.3	952.8	941.2	933.1	922.1	909.4	898.4	888.6	885.7
52.5°	926.7	919.8	912.3	908.2	893.2	886.3	873.6	857.4	848.1	842.9	834.2
55°	876.5	870.7	868.4	853.3	846.4	833.7	825.6	812.3	800.7	787.4	785.1
57.5°	826.7	819.2	812.9	802.5	797.8	785.1	774.1	756.2	745.8	736.0	728.4
60°	774.1	768.9	759.1	750.4	741.2	733.1	719.8	700.7	688.0	681.0	680.5
62.5°	718.0	712.8	709.9	693.2	688.0	671.8	660.2	648.1	629.0	623.2	616.3
65°	662.0	658.5	647.5	638.8	626.1	617.4	605.9	590.3	576.4	565.4	556.7
67.5°	609.9	603.0	593.2	580.4	571.8	560.2	545.2	526.1	511.1	507.6	498.4
70°	548.6	538.8	534.2	519.2	508.8	500.1	483.3	470.0	452.7	441.7	433.6
72.5°	491.4	482.2	474.6	461.9	449.8	435.9	423.2	407.0	390.2	379.8	373.5
75°	432.4	423.8	417.4	404.1	393.7	378.1	359.6	345.1	333.6	319.7	310.5
77.5°	372.9	363.6	360.2	341.7	329.0	320.9	304.1	287.9	268.3	262.5	251.5
80°	313.9	306.4	301.2	283.9	273.5	257.8	245.7	229.5	212.8	201.8	194.8
82.5°	267.7	258.4	244.6	234.7	220.8	208.7	190.8	178.1	158.4	150.3	142.2
85°	221.4	211.0	203.5	188.5	179.8	167.1	150.3	131.8	115.6	106.4	97.7
87.5°	189.6	179.8	172.3	159.0	146.8	130.7	117.4	101.2	82.1	74.0	66.5
90°	176.9	167.7	157.8	146.3	133.5	119.1	104.1	87.9	70.5	61.9	53.2
92.5°	175.2	166.5	156.7	144.5	131.8	117.4	102.3	86.1	69.4	60.1	51.5
95°	173.4	164.8	154.9	142.8	130.1	116.2	101.2	85.0	68.2	59.0	50.3
97.5°	171.7	163.0	153.2	141.1	128.3	114.5	99.4	83.8	66.5	57.8	49.1
100°	168.8	160.1	150.3	138.8	126.0	112.2	97.7	82.1	65.3	56.7	48.6
102.5°	165.9	157.3	147.4	135.9	123.1	109.8	95.4	79.8	63.6	54.9	46.8
105°	161.9	153.2	144.0	133.0	120.8	107.5	92.5	78.0	61.9	53.8	45.7
107.5°	158.4	150.3	140.5	129.5	117.4	104.6	90.2	75.7	60.1	52.0	43.9
110°	154.4	146.3	137.0	126.0	114.5	101.8	87.9	73.4	58.4	50.3	42.8



TEST NUMBER: P241621

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

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	149.7	141.6	133.0	122.6	111.0	98.3	85.0	71.1	56.1	48.6	41.0
115°	145.1	138.2	128.9	118.5	107.0	94.8	82.1	68.2	53.8	46.3	39.3
117.5°	140.5	133.0	124.3	114.5	103.5	91.3	78.6	65.3	51.5	44.5	37.6
120°	134.7	127.8	119.7	110.4	99.4	87.9	75.7	62.4	49.1	42.2	35.8
122.5°	130.1	123.1	115.0	105.8	95.4	83.8	72.3	60.1	46.8	39.9	33.5
125°	124.3	117.4	109.8	100.6	90.8	79.8	68.8	57.2	43.9	37.6	31.8
127.5°	119.1	112.7	104.6	96.0	86.1	76.3	65.3	54.3	41.6	35.8	30.1
130°	112.7	106.4	98.9	90.8	82.1	71.7	61.9	50.9	39.3	33.5	27.8
132.5°	107.0	100.6	93.7	86.1	77.5	67.6	57.8	47.4	36.4	31.2	26.0
135°	100.6	94.2	87.9	80.4	72.3	63.6	54.3	43.9	34.1	28.9	23.7
137.5°	93.7	88.5	82.1	75.2	67.6	59.0	50.3	41.0	31.2	26.6	22.0
140°	87.3	82.1	76.3	70.0	61.9	54.3	46.3	37.6	28.9	23.7	20.2
142.5°	80.4	75.7	70.0	64.2	56.7	50.3	42.2	34.1	26.0	21.4	17.9
145°	74.0	68.8	64.2	58.4	51.5	45.7	38.2	30.6	23.1	19.7	15.6
147.5°	67.1	63.0	57.8	52.6	46.8	40.5	34.1	27.2	20.2	16.8	13.9
150°	59.5	56.1	52.0	46.8	41.6	36.4	30.1	23.7	17.3	14.5	11.6
152.5°	53.2	49.1	46.3	41.0	36.4	31.2	26.0	20.2	15.0	12.1	9.8
155°	45.7	42.8	39.3	35.8	31.2	27.2	22.0	17.3	12.1	9.8	7.5
157.5°	39.3	37.0	33.5	30.1	26.0	22.0	18.5	13.9	9.8	7.5	5.8
160°	32.4	30.1	27.2	24.9	21.4	17.9	14.5	11.0	7.5	5.8	4.0
162.5°	26.0	24.3	21.4	19.1	16.8	13.9	11.0	8.1	5.2	3.5	2.3
165°	19.1	17.9	16.2	13.9	12.1	9.8	7.5	5.2	2.9	2.3	1.7
167.5°	13.3	12.1	10.4	9.3	8.1	5.8	4.6	2.9	1.7	1.7	1.2
170°	7.5	6.4	5.8	4.6	4.0	2.9	1.7	1.7	1.2	1.2	1.2
172.5°	2.3	1.7	1.7	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: P241621

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

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1402.0	1402.0	1402.0	1402.0
2.5°	1398.5	1402.0	1404.3	1404.9
5°	1393.9	1397.9	1398.5	1400.8
7.5°	1385.8	1390.4	1391.6	1392.7
10°	1375.4	1378.9	1382.3	1383.5
12.5°	1362.1	1366.7	1367.3	1367.9
15°	1347.6	1348.8	1351.7	1351.1
17.5°	1326.8	1329.1	1332.6	1331.4
20°	1306.6	1308.3	1311.2	1308.9
22.5°	1284.0	1281.7	1284.0	1286.3
25°	1255.7	1255.7	1257.4	1255.7
27.5°	1227.4	1225.1	1223.9	1226.2
30°	1196.7	1192.1	1190.4	1192.7
32.5°	1161.5	1156.3	1156.3	1156.3
35°	1129.7	1124.5	1118.7	1117.5
37.5°	1090.9	1082.8	1078.2	1079.4
40°	1051.6	1041.2	1040.6	1036.0
42.5°	1007.7	999.6	996.1	995.0
45°	964.9	952.2	948.1	946.4
47.5°	916.3	907.1	899.6	899.0
50°	869.5	860.3	853.3	853.3
52.5°	818.6	808.2	800.7	797.2
55°	769.5	753.9	744.6	747.5
57.5°	714.0	699.0	688.6	686.8
60°	660.8	645.8	634.8	635.4
62.5°	598.9	590.9	576.4	574.1
65°	545.8	531.3	515.1	511.1
67.5°	479.9	470.6	456.1	452.7
70°	419.7	407.6	395.4	386.2
72.5°	357.9	342.3	334.7	329.0
75°	298.3	276.9	271.1	270.6
77.5°	236.5	218.5	210.4	201.8
80°	175.8	163.6	150.3	143.4
82.5°	124.3	107.5	93.1	90.2
85°	78.0	61.9	48.6	42.2
87.5°	46.8	30.6	19.1	12.7
90°	35.3	18.5	5.8	0.6
92.5°	34.1	17.9	5.2	0.6
95°	33.0	17.3	4.6	0.6
97.5°	32.4	16.8	4.6	0.6
100°	31.8	16.2	4.6	0.6
102.5°	30.6	15.6	4.0	0.6
105°	30.1	15.0	4.0	0.6
107.5°	28.9	14.5	4.0	0.6
110°	27.8	13.9	3.5	0.6



TEST NUMBER: P241621

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

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	26.6	13.3	3.5	0.6
115°	25.4	12.7	2.9	0.6
117.5°	23.7	11.6	2.3	0.6
120°	22.5	11.0	2.3	0.6
122.5°	21.4	10.4	1.7	0.6
125°	20.2	9.3	1.7	0.6
127.5°	19.1	8.7	1.2	0.6
130°	17.3	7.5	1.2	0.6
132.5°	16.2	6.9	1.2	0.6
135°	14.5	6.4	1.2	1.2
137.5°	13.3	5.2	1.2	1.2
140°	11.6	4.6	1.2	1.2
142.5°	10.4	3.5	1.2	1.2
145°	8.7	2.9	1.2	1.2
147.5°	7.5	2.3	1.2	1.2
150°	5.8	1.7	1.2	1.2
152.5°	4.6	1.7	1.2	1.2
155°	3.5	1.2	1.2	1.2
157.5°	2.3	1.2	1.2	1.2
160°	1.7	1.2	1.2	1.2
162.5°	1.7	1.2	1.7	1.7
165°	1.2	1.2	1.7	1.7
167.5°	1.2	1.7	1.7	1.7
170°	1.2	1.7	1.7	1.7
172.5°	1.2	1.7	1.7	1.7
175°	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	1.7	1.7
180°	0.6	0.6	0.6	0.6

(END OF REPORT)