

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: P241624

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

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P241624
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-LD4-50-3LO-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

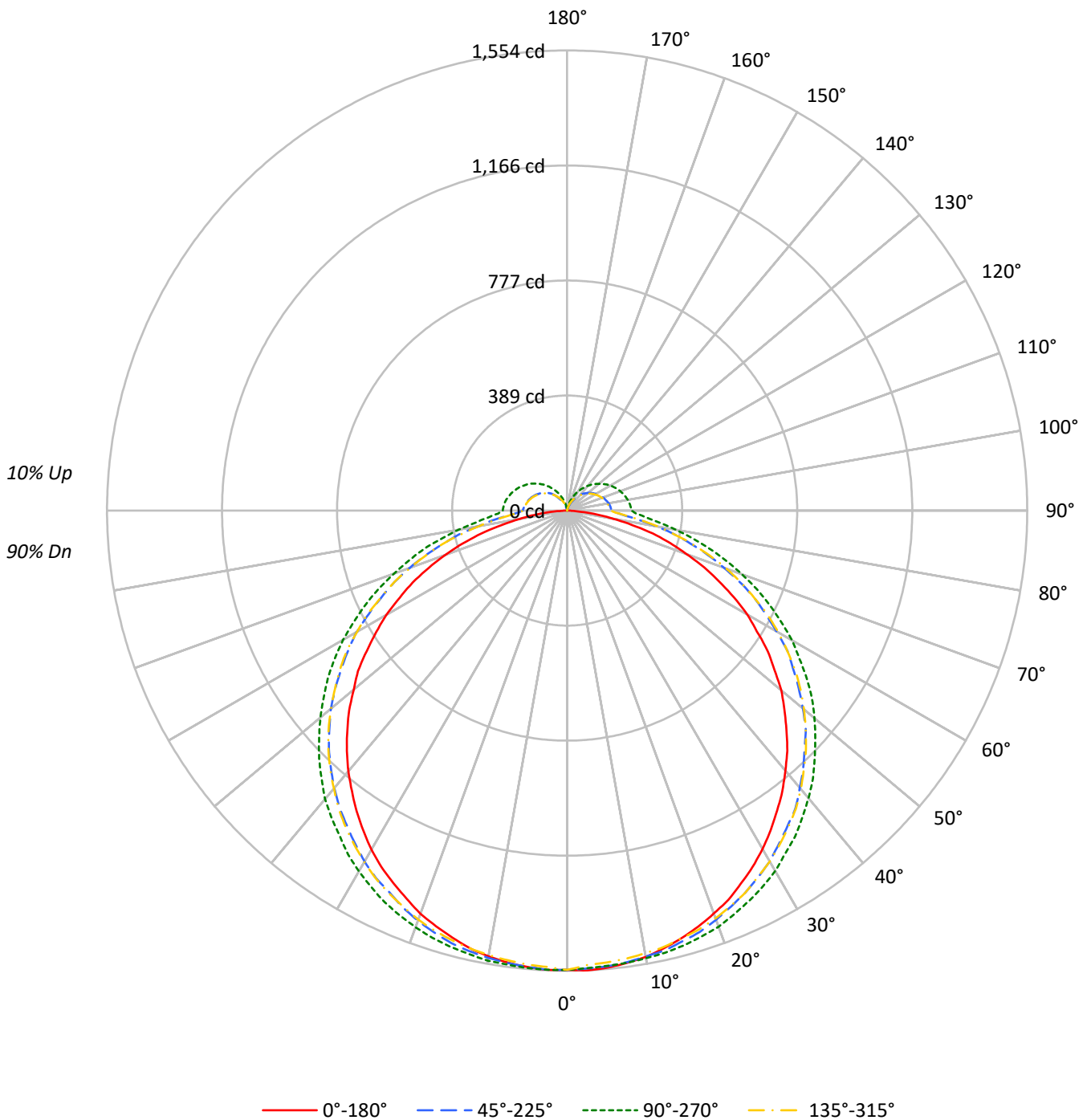
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5627.0 lumens
Efficiency: N/A
Efficacy: 168.0 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

TEST NUMBER: P241624
CATALOG NUMBER: FVS8M-4-LD4-50-3LO-O-UNV-EDC1

Luminous Intensity Polar Plot





TEST NUMBER: P241624

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

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°	6932	6932	6932	6932
5°	6929	6790	6918	6821
10°	6899	6700	6890	6736
15°	6845	6633	6839	6653
20°	6791	6573	6794	6581
25°	6728	6487	6722	6509
30°	6660	6416	6672	6421
35°	6566	6325	6583	6313
40°	6475	6218	6493	6237
45°	6369	6095	6389	6108
50°	6272	5975	6247	5961
55°	6103	5819	6094	5811
60°	5885	5635	5906	5614
65°	5517	5373	5617	5346
70°	5042	5060	5162	5014
75°	4510	4663	4510	4687
80°	3341	4194	3463	4187
85°	1655	3846	1949	3838



TEST NUMBER: P241624

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	2.6
10°-20°	425.8	7.6
20°-30°	656.9	11.7
30°-40°	811.6	14.4
40°-50°	870.8	15.5
50°-60°	824.4	14.7
60°-70°	673.8	12.0
70°-80°	442.9	7.9
80°-90°	211.1	3.8
90°-100°	140.5	2.5
100°-110°	126.7	2.3
110°-120°	106.2	1.9
120°-130°	81.8	1.5
130°-140°	56.2	1.0
140°-150°	32.7	0.6
150°-160°	14.5	0.3
160°-170°	3.7	0.1
170°-180°	0.2	0.0
0°-30°	1229.8	21.9
0°-40°	2041.5	36.3
0°-60°	3736.7	66.4
0°-90°	5064.6	90.0
90°-120°	373.4	6.6
90°-150°	544.1	9.7
90°-180°	562.0	10.0
0°-180°	5627.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1551	1551	1551	1551	1551	
5°	1550	1543	1547	1550	1550	147
15°	1495	1520	1494	1525	1495	422
25°	1389	1454	1388	1459	1389	641
35°	1236	1343	1240	1340	1236	774
45°	1047	1182	1050	1185	1047	809
55°	827	988	826	986	827	736
65°	565	754	576	750	565	561
75°	299	498	299	500	299	311
85°	47	269	55	268	47	63
90°	1	217	2	218	1	2
95°	1	214	1	214	1	0
105°	1	200	1	201	1	1
115°	1	180	1	182	1	1
125°	1	155	1	157	1	1
135°	1	125	1	127	1	1
145°	1	93	1	93	1	1
155°	1	58	1	59	1	1
165°	2	25	2	25	2	1
175°	2	0	2	0	2	0
180°	1	1	1	1	1	



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1554.3	1556.2	1559.4	1562.0	1562.6	1562.6	1561.3	1560.7	1556.2	1552.4	1547.9
5°	1549.8	1551.1	1555.6	1557.5	1558.1	1557.5	1555.6	1555.6	1551.7	1546.6	1544.7
7.5°	1540.9	1544.7	1546.0	1547.3	1548.5	1549.8	1548.5	1547.3	1544.7	1540.9	1538.3
10°	1530.6	1531.3	1533.8	1537.7	1537.7	1539.0	1537.7	1538.3	1535.1	1532.6	1529.4
12.5°	1513.4	1515.3	1517.8	1522.3	1523.6	1524.9	1523.6	1524.9	1521.7	1519.8	1521.0
15°	1494.8	1498.7	1499.3	1503.1	1506.3	1507.0	1507.6	1510.2	1506.3	1507.0	1505.7
17.5°	1473.1	1473.7	1477.5	1479.5	1483.9	1487.8	1485.9	1489.7	1489.7	1489.7	1491.6
20°	1448.1	1447.5	1450.7	1457.7	1461.6	1462.8	1464.1	1468.6	1469.2	1470.5	1470.5
22.5°	1423.2	1421.3	1423.2	1430.9	1432.8	1436.0	1441.1	1444.3	1443.6	1445.6	1446.8
25°	1389.3	1389.9	1393.1	1402.7	1405.3	1409.1	1411.7	1416.8	1418.1	1421.3	1423.2
27.5°	1356.7	1356.7	1362.4	1367.5	1372.6	1375.8	1380.3	1388.0	1388.0	1393.1	1396.3
30°	1319.6	1318.9	1325.3	1331.1	1338.7	1343.2	1347.1	1354.7	1357.3	1361.1	1367.5
32.5°	1279.3	1282.5	1288.2	1293.3	1302.9	1308.7	1314.4	1321.5	1326.0	1328.5	1332.4
35°	1236.4	1238.3	1246.6	1253.7	1263.3	1268.4	1275.4	1281.2	1289.5	1292.7	1298.5
37.5°	1194.2	1197.4	1203.8	1212.7	1224.3	1231.3	1233.8	1244.1	1246.6	1253.0	1267.1
40°	1146.2	1150.1	1162.2	1168.0	1180.1	1186.5	1191.6	1201.9	1208.3	1216.6	1222.3
42.5°	1100.8	1105.3	1109.1	1123.8	1135.3	1140.5	1145.6	1155.2	1163.5	1170.5	1180.1
45°	1047.1	1050.3	1060.5	1076.5	1086.1	1094.4	1098.2	1108.5	1120.0	1126.4	1134.7
47.5°	994.6	999.7	1008.1	1020.2	1031.7	1040.0	1049.6	1061.1	1073.9	1077.1	1093.1
50°	944.1	946.7	953.1	969.0	981.8	989.5	995.3	1008.1	1017.7	1028.5	1039.4
52.5°	882.1	883.3	896.1	910.8	928.7	935.1	940.3	956.2	965.2	976.7	985.7
55°	827.0	826.4	839.2	852.0	869.9	878.2	882.7	896.8	908.9	922.3	931.9
57.5°	759.9	765.6	777.8	796.3	811.7	815.5	823.2	839.2	851.3	866.1	882.1
60°	703.0	703.0	714.5	731.7	744.5	757.3	766.3	780.3	791.9	804.0	816.2
62.5°	635.2	635.8	651.1	663.9	681.8	692.1	699.8	717.0	731.7	742.0	754.8
65°	565.4	571.2	589.7	600.0	622.4	626.8	637.1	653.1	666.5	679.9	697.2
67.5°	500.8	505.9	516.2	532.8	555.8	561.0	571.2	587.8	607.0	612.1	632.0
70°	427.3	438.8	447.7	465.7	488.0	492.5	504.7	519.4	539.2	552.0	561.6
72.5°	364.0	369.1	383.8	395.9	412.6	424.1	440.7	452.2	470.1	481.6	498.3
75°	299.3	296.8	311.5	330.0	349.9	355.6	364.0	384.4	401.7	417.7	431.8
77.5°	223.2	227.7	246.3	268.0	286.6	290.4	301.3	317.9	335.8	352.4	372.3
80°	158.6	165.0	175.3	202.1	218.8	229.6	239.2	255.2	271.2	294.9	305.1
82.5°	99.8	105.5	120.9	141.4	158.6	168.9	181.0	197.0	213.6	234.1	245.6
85°	46.7	55.0	70.4	91.5	107.5	120.3	127.9	148.4	166.3	184.2	197.0
87.5°	14.1	19.8	36.5	54.4	74.2	83.8	93.4	113.2	133.0	149.7	163.7
90°	0.6	7.0	21.7	40.9	61.4	71.0	80.6	99.8	117.7	135.6	150.3
92.5°	0.6	6.4	21.1	39.7	59.5	69.1	79.3	97.9	115.8	133.0	148.4
95°	0.6	6.4	20.5	39.0	58.2	67.8	78.0	96.6	114.5	131.1	146.5
97.5°	0.6	6.4	19.8	37.7	56.9	66.5	76.1	94.7	112.6	129.2	144.6
100°	0.6	5.8	19.8	37.1	55.6	64.6	74.8	92.7	110.7	126.6	142.6
102.5°	0.6	5.8	19.2	35.8	54.4	63.3	72.9	90.8	107.5	124.1	138.8
105°	0.6	5.1	18.5	35.2	52.4	61.4	71.0	88.3	104.9	120.9	135.6
107.5°	0.6	5.1	17.9	33.9	51.2	60.1	69.1	85.7	102.3	117.7	132.4
110°	0.6	4.5	17.3	32.6	49.3	58.2	67.2	83.8	99.8	115.1	129.2



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.6	4.5	16.0	31.3	48.0	56.3	64.6	81.2	96.6	111.9	125.4
115°	0.6	3.8	15.4	30.1	46.1	54.4	62.0	78.0	93.4	107.5	120.9
117.5°	0.6	3.8	14.7	28.8	44.1	51.8	60.1	74.8	90.2	103.6	117.7
120°	0.6	3.2	14.1	27.5	42.2	49.9	57.6	72.3	86.4	99.8	112.6
122.5°	0.6	2.6	12.8	26.2	40.3	47.3	54.4	68.4	82.5	95.9	107.5
125°	0.6	1.9	12.2	24.3	37.7	44.8	51.8	65.9	78.7	91.5	103.0
127.5°	0.6	1.9	10.9	23.0	35.8	42.2	49.3	62.0	74.8	87.0	97.9
130°	0.6	1.3	9.6	20.5	33.3	39.7	46.1	58.8	70.4	82.5	92.7
132.5°	0.6	1.3	8.3	18.5	30.1	35.8	42.9	55.0	66.5	77.4	87.6
135°	1.3	1.3	7.0	16.6	26.9	32.6	38.4	49.9	61.4	72.3	81.9
137.5°	1.3	1.3	5.8	14.1	23.7	28.8	34.5	44.8	55.6	67.2	76.1
140°	1.3	1.3	5.1	12.2	20.5	25.6	30.1	39.7	49.3	59.5	69.7
142.5°	1.3	1.3	3.8	10.2	17.9	21.7	26.2	35.2	43.5	52.4	62.0
145°	1.3	1.3	3.2	9.0	15.4	19.2	22.4	30.1	37.7	46.1	55.0
147.5°	1.3	1.3	2.6	7.0	12.8	16.0	19.8	25.6	33.3	40.3	46.7
150°	1.3	1.3	1.9	5.8	10.9	13.4	16.6	21.7	28.1	34.5	40.3
152.5°	1.3	1.3	1.9	5.1	9.0	10.9	13.4	18.5	23.0	28.8	33.9
155°	1.3	1.3	1.9	3.8	7.0	9.0	11.5	15.4	19.2	23.7	28.1
157.5°	1.3	1.3	1.3	2.6	5.8	7.7	9.0	12.2	16.0	18.5	21.7
160°	1.3	1.3	1.3	1.9	4.5	5.8	7.0	9.6	12.2	14.7	17.9
162.5°	1.9	1.9	1.9	1.9	3.2	3.8	5.1	7.0	9.6	11.5	12.8
165°	1.9	1.9	1.9	1.9	1.9	2.6	3.2	5.1	6.4	8.3	9.6
167.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.6	3.2	4.5	5.1	6.4
170°	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.9	1.9	2.6	3.2
172.5°	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.3
175°	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3	0.6	0.6
177.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	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: P241624

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1544.7	1545.3	1547.3	1547.3	1547.3	1547.9	1547.3	1546.6	1545.3	1546.6	1544.7
5°	1541.5	1542.2	1543.4	1545.3	1545.3	1545.3	1546.6	1544.1	1544.1	1543.4	1542.8
7.5°	1536.4	1537.0	1539.6	1540.9	1540.9	1541.5	1542.2	1542.2	1540.2	1540.2	1539.0
10°	1528.7	1531.9	1533.2	1535.8	1534.5	1536.4	1537.0	1535.8	1534.5	1535.1	1535.1
12.5°	1519.8	1524.2	1524.2	1529.4	1528.7	1528.1	1529.4	1529.4	1528.7	1529.4	1529.4
15°	1508.2	1512.1	1514.6	1519.1	1518.5	1518.5	1521.7	1522.3	1520.4	1520.4	1519.1
17.5°	1492.9	1494.8	1501.2	1503.1	1504.4	1505.7	1507.6	1508.9	1508.2	1508.2	1506.3
20°	1473.7	1478.2	1485.2	1484.6	1491.6	1491.6	1491.6	1492.3	1493.5	1495.5	1492.3
22.5°	1450.7	1458.4	1464.1	1468.0	1469.2	1470.5	1473.1	1475.6	1475.0	1475.0	1475.6
25°	1427.0	1435.3	1439.8	1447.5	1450.0	1448.8	1453.9	1455.2	1455.2	1453.9	1455.2
27.5°	1400.8	1409.7	1417.4	1418.1	1421.9	1423.8	1426.4	1430.9	1430.9	1431.5	1429.6
30°	1372.0	1381.6	1386.7	1391.2	1393.8	1393.8	1400.8	1402.1	1401.4	1405.3	1404.6
32.5°	1340.7	1351.5	1356.0	1362.4	1365.6	1365.6	1369.4	1373.9	1372.0	1372.0	1373.3
35°	1305.5	1315.1	1320.8	1328.5	1329.8	1331.7	1336.2	1341.3	1343.2	1342.6	1340.7
37.5°	1273.5	1276.7	1286.9	1292.7	1293.3	1295.9	1301.0	1304.8	1303.6	1305.5	1304.8
40°	1231.3	1238.3	1247.3	1254.3	1258.2	1256.9	1262.0	1265.2	1267.1	1267.7	1270.3
42.5°	1191.6	1201.2	1207.0	1214.0	1216.6	1216.6	1219.8	1222.3	1225.5	1228.7	1225.5
45°	1146.9	1154.5	1162.8	1169.2	1174.4	1175.6	1178.2	1177.6	1180.8	1182.0	1186.5
47.5°	1099.5	1109.8	1116.2	1122.6	1125.1	1129.6	1134.7	1135.3	1139.8	1136.6	1140.5
50°	1052.8	1061.1	1069.5	1077.1	1079.7	1079.1	1081.6	1084.8	1088.0	1090.6	1088.7
52.5°	998.5	1008.1	1016.4	1022.8	1028.5	1027.2	1034.9	1032.4	1039.4	1042.0	1038.1
55°	942.2	957.5	963.9	969.7	970.3	975.4	986.3	981.8	984.4	987.6	985.0
57.5°	886.5	896.8	905.7	913.4	915.3	921.7	924.3	926.2	929.4	930.0	933.2
60°	833.4	837.3	848.8	857.1	860.3	860.9	872.5	870.5	875.0	876.9	874.4
62.5°	768.2	779.7	789.3	798.9	798.9	804.0	808.5	807.2	812.3	815.5	817.4
65°	704.9	716.4	726.0	733.7	736.9	742.6	744.5	745.8	751.6	754.1	754.1
67.5°	639.6	655.6	661.4	668.4	674.2	676.1	683.8	686.3	689.5	693.4	694.6
70°	575.7	593.6	599.3	606.4	608.3	614.0	619.2	624.3	623.0	627.5	630.7
72.5°	514.3	526.4	532.2	541.1	546.9	552.0	556.5	561.6	564.2	562.9	566.7
75°	447.7	460.5	466.3	479.1	480.4	485.5	493.8	497.0	498.3	497.6	498.9
77.5°	385.7	395.9	402.3	413.8	419.6	420.9	431.8	431.8	435.6	434.3	436.9
80°	317.9	331.3	346.0	354.4	360.1	359.5	365.2	369.7	371.6	371.6	373.5
82.5°	263.5	273.8	287.8	296.8	300.0	303.8	311.5	314.7	318.5	314.7	320.5
85°	216.2	227.7	238.6	245.6	248.8	255.2	261.6	262.9	268.6	268.6	268.0
87.5°	178.5	190.6	201.5	211.1	215.6	218.1	225.2	228.3	230.9	232.8	231.5
90°	164.4	177.2	188.1	197.0	201.5	204.7	210.4	214.3	216.2	216.8	216.2
92.5°	162.5	174.6	185.5	195.1	198.9	202.8	208.5	212.4	214.9	215.6	214.3
95°	160.5	173.3	184.2	193.2	197.0	200.8	206.6	210.4	213.0	213.6	212.4
97.5°	159.3	170.8	182.3	191.2	195.1	198.3	204.7	208.5	210.4	211.1	210.4
100°	156.7	168.2	179.1	188.1	191.9	195.1	200.8	205.3	207.2	207.9	207.2
102.5°	152.9	165.0	175.3	184.2	188.1	191.9	197.0	200.8	203.4	204.0	203.4
105°	149.7	161.8	172.1	180.4	184.2	188.1	193.2	197.0	199.6	200.2	198.9
107.5°	145.8	158.0	168.2	177.2	181.0	184.2	189.3	193.2	195.1	195.7	194.4
110°	142.0	154.2	164.4	172.7	176.5	179.1	184.9	188.1	190.6	191.2	190.0



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	137.5	149.0	159.3	167.6	170.8	174.6	179.1	182.9	185.5	186.1	184.9
115°	133.0	143.9	154.8	163.1	166.3	169.5	174.6	177.8	179.7	180.4	179.7
117.5°	129.2	139.4	149.0	157.3	160.5	163.7	168.9	172.1	174.6	174.6	174.0
120°	124.1	134.3	143.3	151.0	155.4	157.3	162.5	166.3	168.2	168.2	168.2
122.5°	119.6	129.2	138.8	145.8	149.0	151.6	156.7	160.5	162.5	162.5	161.2
125°	113.9	123.4	131.8	139.4	142.0	144.6	149.7	152.9	154.8	155.4	154.2
127.5°	108.1	117.7	126.0	132.4	136.2	138.8	142.6	145.8	148.4	148.4	147.1
130°	102.3	111.3	119.6	126.0	129.2	131.1	135.6	139.4	140.7	140.7	140.1
132.5°	96.6	105.5	113.2	119.0	122.2	124.1	127.9	131.1	133.0	133.7	132.4
135°	90.8	99.1	106.2	112.6	114.5	117.1	120.3	123.4	124.7	125.4	124.1
137.5°	85.1	92.7	99.1	104.9	107.5	109.4	113.2	115.8	117.1	117.7	116.4
140°	78.7	85.7	92.1	97.9	100.4	101.7	105.5	107.5	109.4	109.4	108.1
142.5°	72.3	79.3	85.1	90.2	92.1	94.0	97.2	99.8	100.4	100.4	100.4
145°	64.6	72.3	78.0	83.2	85.1	86.4	88.9	90.8	92.1	92.7	91.5
147.5°	56.3	63.3	70.4	74.8	76.8	78.7	80.6	83.2	83.8	83.8	82.5
150°	47.3	54.4	62.0	67.2	69.7	70.4	72.3	73.6	75.5	75.5	74.8
152.5°	39.7	46.1	53.1	59.5	60.8	62.7	64.0	65.9	66.5	66.5	65.9
155°	33.3	38.4	43.5	49.9	53.1	54.4	56.3	57.6	58.2	57.6	57.6
157.5°	26.2	30.7	35.2	40.3	44.8	46.1	48.0	49.3	49.9	49.3	49.3
160°	20.5	23.7	26.9	32.0	33.9	37.1	39.7	40.3	40.9	40.9	40.3
162.5°	15.4	17.9	19.8	23.0	25.6	27.5	31.3	32.6	32.6	33.3	32.0
165°	10.9	12.2	14.1	16.0	17.3	18.5	22.4	24.3	24.3	24.9	24.3
167.5°	7.0	7.7	9.0	10.2	10.9	12.2	13.4	16.0	17.3	17.3	16.6
170°	3.8	3.8	4.5	5.1	5.8	5.8	6.4	9.0	9.6	9.6	9.0
172.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9	3.2	3.2	2.6
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: P241624

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

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1546.0	1544.7	1546.6	1547.3	1546.0	1543.4	1540.9	1539.0	1536.4	1535.8	1535.8
5°	1542.8	1542.2	1543.4	1543.4	1543.4	1542.2	1538.3	1535.8	1531.9	1530.6	1531.9
7.5°	1539.0	1539.0	1540.2	1539.6	1538.3	1537.0	1532.6	1529.4	1526.2	1524.9	1524.9
10°	1533.2	1532.6	1533.2	1531.9	1531.9	1529.4	1526.2	1521.0	1517.8	1516.6	1516.6
12.5°	1527.4	1524.9	1524.2	1526.2	1524.2	1521.0	1514.6	1511.4	1509.5	1503.8	1503.1
15°	1517.8	1514.6	1515.3	1514.0	1515.9	1512.1	1505.1	1501.9	1494.8	1490.3	1489.7
17.5°	1504.4	1504.4	1503.8	1502.5	1501.2	1496.7	1492.3	1487.8	1482.7	1477.5	1470.5
20°	1489.1	1489.7	1488.4	1489.1	1488.4	1480.7	1476.3	1469.2	1465.4	1458.4	1453.2
22.5°	1473.1	1471.8	1469.9	1468.6	1469.2	1464.1	1457.7	1450.7	1444.9	1436.6	1431.5
25°	1453.9	1452.6	1449.4	1448.8	1448.8	1442.4	1436.6	1426.4	1423.8	1414.9	1405.9
27.5°	1427.7	1426.4	1425.1	1423.2	1421.9	1418.7	1412.9	1402.1	1395.0	1387.4	1378.4
30°	1398.9	1401.4	1397.0	1395.7	1392.5	1392.5	1384.8	1375.8	1368.2	1356.7	1348.3
32.5°	1370.1	1371.4	1370.1	1367.5	1363.1	1361.8	1352.8	1345.1	1336.8	1324.7	1314.4
35°	1338.7	1336.8	1338.1	1330.4	1333.6	1326.0	1317.6	1313.2	1302.9	1291.4	1281.2
37.5°	1304.2	1302.9	1299.1	1295.3	1293.3	1291.4	1281.2	1274.1	1269.0	1254.3	1242.2
40°	1263.3	1265.2	1262.6	1262.0	1256.2	1253.7	1242.2	1234.5	1227.5	1214.0	1202.5
42.5°	1224.9	1228.1	1218.5	1219.8	1216.6	1208.9	1202.5	1196.1	1183.3	1176.3	1158.4
45°	1182.7	1179.5	1177.6	1170.5	1170.5	1166.7	1157.1	1153.3	1140.5	1128.9	1113.6
47.5°	1134.1	1137.9	1128.9	1129.6	1128.3	1121.3	1110.4	1107.2	1092.5	1084.8	1066.3
50°	1088.7	1084.8	1082.3	1083.5	1075.2	1073.9	1065.6	1055.4	1043.9	1034.3	1020.2
52.5°	1035.6	1036.2	1036.2	1029.2	1029.2	1018.9	1010.0	1002.3	993.3	978.6	969.0
55°	985.7	984.4	980.6	979.3	970.3	965.8	957.5	946.0	940.3	926.8	916.0
57.5°	933.2	930.0	925.5	918.5	916.6	910.8	901.9	891.6	881.4	869.9	862.2
60°	874.4	873.1	866.7	862.2	859.7	852.6	846.9	838.6	823.8	811.7	799.5
62.5°	813.6	813.0	809.8	804.0	802.7	795.1	784.8	773.3	763.1	751.6	737.5
65°	750.9	747.1	742.0	741.3	735.6	731.7	726.6	710.6	697.8	687.0	674.2
67.5°	692.7	689.5	679.3	679.3	674.8	668.4	658.8	652.4	633.9	623.0	608.3
70°	625.6	626.2	621.7	618.5	609.6	600.6	596.1	587.8	572.5	556.5	545.6
72.5°	561.0	557.8	551.4	548.8	546.9	540.5	527.7	514.9	503.4	492.5	472.0
75°	497.0	493.2	483.6	486.8	481.6	473.3	466.3	451.6	436.9	423.4	408.1
77.5°	432.4	425.4	422.2	421.5	420.2	408.7	397.2	384.4	371.0	365.2	340.3
80°	374.2	364.6	360.1	361.4	355.6	344.8	337.7	325.6	311.5	296.8	278.2
82.5°	313.4	312.1	303.8	300.6	296.1	289.8	278.9	266.1	251.4	237.3	220.7
85°	264.8	259.7	259.7	249.5	248.2	238.6	228.3	216.2	200.2	183.6	168.2
87.5°	230.3	223.9	219.4	214.3	211.1	203.4	190.6	177.8	163.1	151.6	131.1
90°	213.0	209.2	202.1	198.3	194.4	184.2	172.7	160.5	146.5	130.5	115.1
92.5°	211.1	206.6	200.2	196.4	192.5	182.3	170.8	158.6	143.9	128.6	111.9
95°	209.8	204.7	198.3	194.4	190.6	180.4	169.5	156.7	142.6	126.6	110.7
97.5°	207.2	202.8	196.4	192.5	188.1	178.5	167.6	154.8	140.7	124.7	108.7
100°	204.0	198.9	193.2	189.3	185.5	175.9	164.4	151.6	137.5	122.8	106.8
102.5°	200.2	196.4	189.3	185.5	181.7	172.1	161.2	148.4	135.0	120.3	104.3
105°	196.4	191.9	186.1	182.3	177.8	168.9	158.0	145.2	131.8	117.1	101.7
107.5°	193.2	188.1	181.7	177.8	174.0	165.0	154.2	142.0	128.6	113.9	99.1
110°	188.1	183.6	177.2	173.3	169.5	160.5	149.7	138.2	125.4	110.7	95.9



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	182.3	177.8	171.4	168.2	164.4	155.4	145.2	133.7	121.5	107.5	92.7
115°	177.2	172.7	166.9	163.7	159.9	151.0	140.7	129.2	117.7	103.6	89.5
117.5°	171.4	166.9	161.2	158.0	154.2	145.2	136.2	125.4	113.2	99.8	86.4
120°	165.0	160.5	155.4	152.2	148.4	140.1	131.1	120.3	108.7	95.9	82.5
122.5°	158.6	154.8	149.0	145.8	142.6	135.0	126.0	115.8	104.3	92.1	79.3
125°	151.6	147.8	142.6	139.4	136.2	129.2	120.3	110.7	99.1	87.6	74.8
127.5°	144.6	141.4	136.2	133.0	129.8	122.8	114.5	104.9	94.7	83.2	71.0
130°	137.5	133.7	129.2	126.6	122.8	116.4	108.7	99.1	89.5	78.7	67.2
132.5°	129.8	126.6	122.2	119.6	117.1	110.0	102.3	94.0	83.8	73.6	63.3
135°	122.2	119.0	115.8	112.6	109.4	103.6	95.9	87.6	78.7	69.1	58.8
137.5°	114.5	111.3	108.1	105.5	102.3	96.6	90.2	81.9	72.9	64.6	55.0
140°	106.8	103.6	100.4	97.9	95.3	90.2	83.2	76.1	67.8	58.8	49.9
142.5°	98.5	95.9	92.1	90.2	87.6	82.5	76.8	69.7	62.0	53.7	46.1
145°	90.2	87.6	84.4	82.5	80.0	75.5	70.4	63.3	56.3	49.3	41.6
147.5°	81.9	79.3	76.1	74.8	72.3	69.1	63.3	56.9	51.2	43.5	36.5
150°	72.9	71.6	68.4	66.5	65.2	60.8	56.3	50.5	45.4	39.0	32.6
152.5°	65.2	63.3	60.1	58.8	57.6	53.7	49.9	44.1	39.7	33.9	28.1
155°	56.3	55.0	52.4	51.2	49.9	46.1	42.9	38.4	33.9	28.8	23.7
157.5°	48.6	47.3	44.8	43.5	42.2	39.7	35.8	32.6	28.1	23.7	19.2
160°	39.7	38.4	37.1	35.8	35.2	32.6	28.8	26.2	23.0	19.2	14.7
162.5°	31.3	31.3	29.4	28.8	27.5	25.6	23.0	19.8	17.3	14.7	10.9
165°	23.7	23.0	21.7	21.1	20.5	18.5	16.6	15.4	12.8	10.2	7.0
167.5°	16.0	15.4	14.7	14.7	14.1	12.8	10.9	9.0	7.7	5.8	4.5
170°	9.0	8.3	8.3	7.7	7.7	6.4	5.8	4.5	3.8	2.6	1.9
172.5°	2.6	2.6	2.6	2.6	1.9	1.3	1.3	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: P241624

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

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1536.4	1537.7	1537.7	1537.0	1542.8	1546.0	1549.2	1552.4	1555.6	1558.1	1561.3
5°	1530.6	1532.6	1531.9	1533.2	1535.8	1542.8	1545.3	1547.3	1550.5	1553.7	1557.5
7.5°	1524.2	1524.9	1524.2	1523.6	1529.4	1533.8	1536.4	1539.6	1543.4	1545.3	1548.5
10°	1514.6	1514.0	1514.0	1514.0	1517.8	1522.3	1525.5	1528.7	1531.3	1533.8	1535.8
12.5°	1501.2	1502.5	1499.3	1500.6	1501.2	1506.3	1510.2	1514.6	1515.3	1518.5	1519.8
15°	1487.1	1485.9	1485.9	1484.6	1484.6	1488.4	1491.0	1493.5	1497.4	1501.2	1503.8
17.5°	1468.6	1466.0	1464.8	1466.0	1464.1	1466.0	1469.9	1471.8	1475.6	1476.3	1483.3
20°	1447.5	1448.1	1443.6	1440.4	1439.8	1443.0	1443.6	1448.8	1451.3	1452.0	1457.1
22.5°	1424.5	1420.6	1418.1	1416.8	1416.1	1416.1	1416.1	1418.1	1421.9	1423.8	1428.9
25°	1399.5	1393.1	1391.2	1389.3	1384.8	1384.2	1386.1	1388.0	1390.6	1395.0	1398.9
27.5°	1370.1	1364.3	1362.4	1357.9	1352.2	1354.1	1354.1	1357.9	1357.3	1361.1	1366.3
30°	1336.8	1331.7	1327.2	1326.6	1316.4	1319.6	1315.7	1322.1	1320.8	1327.2	1333.0
32.5°	1306.8	1297.8	1290.8	1288.9	1280.5	1279.3	1278.6	1281.2	1281.2	1286.9	1297.2
35°	1270.3	1260.1	1251.8	1251.1	1239.0	1239.6	1235.1	1239.6	1240.9	1246.6	1256.9
37.5°	1228.7	1217.9	1213.4	1211.5	1198.0	1196.7	1193.6	1194.2	1197.4	1204.4	1212.1
40°	1187.2	1177.6	1171.8	1170.5	1158.4	1150.7	1145.6	1149.4	1148.8	1159.7	1168.6
42.5°	1145.6	1132.8	1125.8	1121.9	1113.6	1104.6	1099.5	1100.8	1104.0	1110.4	1123.8
45°	1103.4	1088.7	1080.3	1077.8	1061.8	1054.8	1049.6	1050.3	1052.8	1065.0	1072.0
47.5°	1053.5	1039.4	1031.7	1026.0	1011.9	1004.2	996.5	998.5	1001.0	1010.6	1024.0
50°	1002.9	987.6	979.9	974.8	963.9	947.3	940.9	940.3	944.1	958.2	973.5
52.5°	953.7	935.8	928.7	921.7	905.1	892.9	887.8	890.4	892.3	896.8	914.7
55°	900.0	882.1	872.5	869.3	848.2	840.5	830.9	825.8	830.2	842.4	860.3
57.5°	845.0	823.8	814.9	810.4	789.3	783.5	769.5	764.4	768.8	781.0	798.3
60°	781.6	766.9	754.1	749.0	732.4	715.1	705.5	705.5	711.9	717.0	734.9
62.5°	722.1	701.7	698.5	683.1	666.5	653.7	642.2	637.7	646.0	658.2	672.9
65°	656.9	635.8	632.0	620.4	603.2	587.8	582.1	575.7	579.5	587.8	603.2
67.5°	594.9	573.1	563.5	553.3	541.8	521.9	507.2	505.9	509.1	527.7	537.3
70°	527.7	507.2	500.2	496.4	472.7	453.5	442.6	437.5	443.9	462.5	474.6
72.5°	457.3	444.5	430.5	423.4	404.2	383.8	371.6	369.7	376.1	387.6	404.2
75°	391.5	371.6	365.2	356.9	336.4	316.0	302.5	299.3	307.0	318.5	335.8
77.5°	326.2	305.1	298.7	288.5	269.9	251.4	234.7	228.3	239.9	252.0	272.5
80°	262.9	246.3	236.7	227.1	208.5	190.0	170.8	164.4	174.6	188.7	202.8
82.5°	201.5	183.6	170.8	163.1	145.8	128.6	113.9	110.0	117.1	131.1	145.8
85°	149.7	131.8	121.5	112.6	97.2	74.2	60.8	55.0	61.4	76.1	94.7
87.5°	115.1	95.3	85.1	77.4	55.6	39.7	23.0	18.5	25.6	38.4	58.8
90°	96.6	78.0	68.4	58.8	39.0	21.1	7.7	1.9	9.0	23.7	42.9
92.5°	94.0	75.5	65.9	56.3	37.1	19.2	5.8	0.6	7.0	21.1	39.7
95°	92.7	74.2	64.6	55.0	35.8	18.5	5.1	0.6	6.4	20.5	39.0
97.5°	91.5	72.3	63.3	53.7	35.2	18.5	5.1	0.6	6.4	19.8	37.7
100°	89.5	70.4	61.4	52.4	34.5	17.9	5.1	0.6	6.4	19.8	37.1
102.5°	87.0	69.1	60.1	51.2	33.3	17.3	4.5	0.6	5.8	19.2	36.5
105°	84.4	67.2	58.8	49.9	32.0	16.6	4.5	0.6	5.8	18.5	35.2
107.5°	82.5	65.2	56.9	48.0	30.7	16.0	3.8	0.6	5.1	17.9	33.9
110°	80.0	63.3	55.0	46.7	30.1	15.4	3.8	0.6	5.1	17.3	32.6



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	77.4	60.8	53.1	44.8	28.8	14.1	3.2	0.6	4.5	16.6	31.3
115°	74.2	58.8	51.2	42.9	27.5	13.4	3.2	0.6	4.5	16.0	30.7
117.5°	71.6	56.3	48.6	40.9	25.6	12.8	2.6	0.6	3.8	14.7	28.8
120°	68.4	53.1	46.1	38.4	24.3	12.2	1.9	0.6	3.8	14.1	27.5
122.5°	65.2	50.5	43.5	36.5	23.0	10.9	1.9	0.6	3.2	13.4	26.2
125°	62.0	48.0	40.9	34.5	21.7	10.2	1.3	0.6	3.2	12.2	24.9
127.5°	58.8	45.4	39.0	32.6	20.5	9.0	1.3	0.6	2.6	11.5	23.7
130°	55.0	42.2	36.5	30.1	18.5	8.3	1.3	0.6	1.9	10.2	21.1
132.5°	51.8	39.0	33.9	28.1	17.3	7.0	1.3	0.6	1.9	9.0	19.2
135°	48.0	36.5	31.3	26.2	15.4	6.4	0.6	0.6	1.3	7.7	16.6
137.5°	44.1	33.9	28.8	23.7	14.1	5.1	1.3	1.3	1.3	6.4	14.7
140°	40.3	30.7	25.6	21.1	12.2	4.5	1.3	1.3	1.3	5.8	12.8
142.5°	36.5	27.5	23.0	19.2	10.9	3.2	1.3	1.3	1.3	4.5	10.9
145°	33.3	24.9	20.5	16.6	9.0	2.6	1.3	1.3	1.3	3.8	9.0
147.5°	29.4	21.7	17.9	14.7	7.7	1.9	1.3	1.3	1.3	3.2	7.7
150°	25.6	18.5	15.4	12.2	5.8	1.3	1.3	1.3	1.3	2.6	7.0
152.5°	21.7	15.4	12.8	10.2	4.5	1.3	1.3	1.3	1.3	2.6	5.8
155°	17.9	12.8	10.2	7.7	3.2	1.3	1.3	1.3	1.3	1.9	4.5
157.5°	14.7	10.2	8.3	5.8	1.9	1.3	1.3	1.3	1.3	1.9	3.8
160°	11.5	7.0	5.8	3.8	1.3	1.3	1.3	1.3	1.3	1.9	2.6
162.5°	8.3	5.1	3.2	2.6	1.3	1.3	1.3	1.9	1.3	1.3	2.6
165°	5.1	2.6	1.9	1.3	1.3	1.3	1.3	1.9	1.9	1.3	1.9
167.5°	2.6	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9
170°	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9
172.5°	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9
175°	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9
177.5°	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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: P241624

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

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1561.3	1562.0	1562.0	1562.0	1558.8	1553.7	1551.7	1547.3	1548.5	1551.1	1551.1
5°	1558.1	1558.8	1557.5	1556.9	1553.7	1547.9	1546.6	1544.7	1543.4	1547.9	1547.9
7.5°	1549.8	1549.2	1549.8	1550.5	1547.9	1543.4	1540.9	1538.3	1540.2	1543.4	1544.1
10°	1538.3	1539.6	1539.6	1539.0	1537.7	1534.5	1533.8	1531.9	1533.8	1536.4	1539.0
12.5°	1523.6	1525.5	1525.5	1526.8	1525.5	1522.3	1524.2	1521.7	1525.5	1531.3	1531.9
15°	1507.0	1507.6	1507.6	1511.4	1511.4	1510.8	1512.1	1511.4	1515.9	1518.5	1519.8
17.5°	1487.1	1487.1	1490.3	1494.8	1495.5	1490.3	1494.2	1494.8	1497.4	1503.1	1507.0
20°	1462.2	1466.7	1465.4	1470.5	1470.5	1471.2	1473.7	1476.3	1480.1	1483.3	1491.0
22.5°	1434.7	1439.8	1439.8	1443.0	1447.5	1450.0	1450.7	1453.9	1459.0	1468.6	1468.0
25°	1408.5	1408.5	1412.9	1416.1	1417.4	1424.5	1421.9	1432.1	1436.0	1443.6	1444.9
27.5°	1376.5	1377.1	1382.9	1388.6	1389.9	1391.8	1398.9	1402.1	1410.4	1414.2	1421.3
30°	1341.3	1347.1	1349.0	1357.3	1359.9	1364.3	1368.2	1373.3	1382.9	1386.1	1391.2
32.5°	1304.2	1311.9	1313.8	1320.8	1323.4	1330.4	1333.6	1338.1	1348.3	1355.4	1361.8
35°	1263.3	1269.7	1274.8	1285.0	1288.9	1293.3	1297.8	1306.8	1317.6	1320.8	1326.6
37.5°	1223.0	1230.0	1235.1	1244.1	1249.2	1257.5	1263.3	1269.0	1278.0	1285.7	1290.1
40°	1181.4	1188.4	1190.4	1202.5	1207.6	1217.2	1223.0	1232.6	1239.6	1247.3	1257.5
42.5°	1134.7	1141.7	1144.9	1157.1	1166.0	1170.5	1181.4	1189.1	1199.9	1204.4	1210.8
45°	1088.0	1093.1	1098.2	1109.8	1119.4	1125.1	1137.9	1144.3	1152.0	1160.9	1166.0
47.5°	1035.6	1042.0	1047.1	1060.5	1070.1	1081.0	1089.3	1098.2	1108.5	1114.2	1125.1
50°	984.4	990.8	995.3	1009.3	1018.9	1027.2	1041.3	1053.5	1059.2	1067.5	1073.9
52.5°	928.7	937.7	943.5	958.8	969.0	978.6	987.0	999.7	1004.2	1018.9	1025.3
55°	869.3	878.9	887.8	900.0	908.9	927.5	930.7	944.7	956.2	963.9	967.1
57.5°	811.1	818.7	829.6	842.4	857.1	867.3	876.3	886.5	893.6	901.9	912.8
60°	750.9	763.1	763.7	779.1	791.2	807.2	820.6	827.0	839.8	845.0	852.6
62.5°	688.9	693.4	706.8	721.5	729.8	745.8	754.8	768.8	777.2	789.3	797.6
65°	620.4	632.0	643.5	651.1	668.4	679.3	690.8	704.9	711.9	727.9	731.7
67.5°	557.1	568.0	571.8	587.8	601.9	619.2	631.3	642.8	650.5	660.7	674.2
70°	494.4	501.5	506.6	523.9	539.2	552.0	565.4	580.8	589.7	597.4	603.8
72.5°	422.8	427.9	442.0	454.8	470.8	486.1	499.6	513.0	523.2	531.5	539.2
75°	352.4	360.1	376.1	392.7	406.2	425.4	433.0	446.5	454.8	469.5	474.6
77.5°	291.0	300.6	307.7	328.1	340.3	360.1	374.2	385.1	390.8	403.0	413.8
80°	225.8	236.7	243.1	262.9	278.9	291.7	304.5	317.9	333.9	345.4	348.6
82.5°	168.9	174.0	182.3	204.0	220.7	241.1	253.9	263.5	277.0	285.9	293.6
85°	117.1	122.2	135.6	151.6	168.9	187.4	201.5	216.8	226.4	237.9	246.9
87.5°	77.4	87.0	98.5	117.1	132.4	150.3	165.7	178.5	191.2	202.1	210.4
90°	62.0	71.6	81.9	100.4	118.3	135.0	150.3	164.4	176.5	188.1	196.4
92.5°	59.5	69.1	78.7	97.9	115.1	132.4	147.8	162.5	174.0	184.9	194.4
95°	58.2	67.8	77.4	95.9	113.9	130.5	145.8	160.5	172.7	183.6	192.5
97.5°	56.9	66.5	76.1	94.7	111.9	129.2	143.9	158.0	170.8	181.7	190.6
100°	55.6	64.6	74.2	92.1	110.0	126.6	142.0	156.1	168.2	179.1	188.1
102.5°	54.4	63.3	72.9	90.2	107.5	123.4	138.8	152.2	165.0	175.3	184.2
105°	52.4	61.4	71.0	88.3	104.9	120.3	135.6	149.0	161.8	171.4	180.4
107.5°	51.2	60.1	68.4	86.4	102.3	117.7	131.8	145.2	157.3	168.2	176.5
110°	49.3	58.2	66.5	83.2	99.8	114.5	128.6	142.0	153.5	164.4	172.7



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	48.0	56.3	64.6	80.6	95.9	111.3	124.7	137.5	149.7	159.3	167.6
115°	46.1	54.4	62.0	78.0	93.4	108.1	120.9	133.7	144.6	154.8	163.1
117.5°	44.1	51.8	60.1	74.8	90.2	103.6	117.1	128.6	139.4	149.0	157.3
120°	42.2	49.9	57.6	72.3	86.4	100.4	112.6	124.1	134.3	143.9	151.6
122.5°	40.3	47.3	55.0	69.1	82.5	95.9	108.1	119.0	129.2	137.5	145.8
125°	38.4	45.4	52.4	65.9	78.7	91.5	103.0	113.9	123.4	131.8	139.4
127.5°	36.5	42.9	49.3	62.7	75.5	87.0	98.5	108.7	117.7	126.0	133.0
130°	33.9	40.3	46.1	58.8	71.0	82.5	93.4	103.0	112.6	119.6	126.6
132.5°	30.1	36.5	42.9	55.0	67.2	78.0	88.3	97.9	106.2	113.2	120.3
135°	26.9	32.6	38.4	49.3	61.4	72.9	82.5	91.5	99.8	106.2	113.2
137.5°	23.7	28.8	33.9	44.1	55.0	65.9	77.4	85.7	93.4	99.8	105.5
140°	21.1	24.9	30.1	39.0	49.3	58.8	69.7	80.0	87.0	93.4	99.1
142.5°	17.9	22.4	26.9	34.5	42.9	51.8	62.0	71.6	80.6	85.7	91.5
145°	15.4	19.2	23.0	30.1	37.1	45.4	53.1	64.0	72.9	79.3	83.8
147.5°	13.4	16.0	19.8	26.2	32.0	39.0	46.7	55.0	63.3	71.6	76.1
150°	11.5	14.1	16.6	21.7	27.5	33.3	39.0	46.7	53.1	62.0	68.4
152.5°	9.6	12.2	14.1	18.5	23.0	28.1	33.3	39.7	45.4	51.8	60.1
155°	8.3	10.2	12.2	15.4	19.2	23.0	27.5	32.6	37.7	43.5	49.9
157.5°	6.4	8.3	10.2	12.8	16.0	18.5	22.4	25.6	30.7	33.9	39.7
160°	5.1	6.4	7.7	10.2	12.8	15.4	17.3	20.5	23.7	26.2	30.7
162.5°	3.8	5.1	6.4	8.3	10.2	12.2	13.4	15.4	17.3	19.8	23.0
165°	2.6	3.8	4.5	5.8	7.7	9.0	10.2	10.9	12.2	14.1	16.0
167.5°	1.9	2.6	3.2	3.8	5.1	6.4	7.0	7.7	8.3	9.0	10.2
170°	1.9	1.9	1.9	2.6	3.2	3.8	4.5	4.5	5.1	5.1	5.8
172.5°	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9
175°	1.9	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.0	0.0
177.5°	1.9	1.3	1.3	1.3	1.3	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: P241624

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1551.7	1553.0	1553.0	1553.0	1553.0	1552.4	1553.0	1553.0	1552.4	1552.4	1552.4
5°	1549.2	1549.2	1551.1	1550.5	1551.1	1550.5	1550.5	1549.2	1550.5	1549.8	1549.2
7.5°	1545.3	1546.0	1546.6	1547.9	1547.3	1546.6	1547.3	1546.0	1545.3	1545.3	1545.3
10°	1539.6	1541.5	1542.8	1544.1	1542.8	1543.4	1542.8	1542.2	1540.2	1540.9	1540.9
12.5°	1531.3	1532.6	1534.5	1534.5	1535.1	1533.8	1536.4	1534.5	1533.2	1534.5	1531.3
15°	1522.3	1521.0	1523.6	1526.2	1525.5	1524.9	1526.2	1524.2	1523.6	1521.7	1523.0
17.5°	1510.8	1510.2	1514.0	1513.4	1513.4	1512.7	1512.1	1511.4	1509.5	1508.9	1508.2
20°	1491.6	1494.8	1495.5	1497.4	1497.4	1497.4	1497.4	1494.2	1492.9	1492.3	1491.6
22.5°	1472.4	1473.7	1475.6	1477.5	1478.2	1478.8	1478.2	1478.8	1476.3	1475.0	1474.3
25°	1447.5	1453.2	1457.7	1460.3	1457.7	1459.0	1458.4	1456.4	1457.1	1452.0	1452.6
27.5°	1421.3	1425.1	1429.6	1432.8	1432.1	1433.4	1433.4	1432.8	1430.2	1429.6	1427.7
30°	1394.4	1397.6	1398.2	1402.7	1404.6	1406.5	1404.6	1404.0	1402.7	1398.2	1398.9
32.5°	1365.6	1365.0	1372.0	1371.4	1373.9	1377.1	1375.2	1374.6	1371.4	1369.4	1368.8
35°	1327.9	1331.7	1336.2	1338.7	1338.7	1340.0	1341.9	1339.4	1339.4	1335.5	1335.5
37.5°	1296.5	1296.5	1299.1	1302.9	1304.8	1307.4	1305.5	1306.8	1300.4	1301.6	1297.8
40°	1255.6	1258.2	1262.0	1263.9	1265.8	1271.6	1267.7	1263.9	1262.0	1263.3	1256.9
42.5°	1215.3	1214.7	1219.8	1223.0	1224.3	1227.5	1226.2	1225.5	1223.6	1219.1	1215.3
45°	1168.6	1173.7	1176.3	1178.2	1182.0	1184.6	1181.4	1182.7	1177.6	1173.1	1171.8
47.5°	1126.4	1127.7	1128.9	1134.7	1132.8	1136.0	1137.3	1138.5	1134.7	1129.6	1128.3
50°	1078.4	1076.5	1082.9	1086.7	1085.5	1088.0	1089.3	1088.7	1085.5	1077.8	1077.1
52.5°	1024.7	1025.3	1031.1	1036.2	1033.6	1036.2	1038.8	1038.1	1031.1	1030.4	1027.2
55°	971.6	973.5	979.3	979.9	981.8	986.3	983.8	981.2	982.5	976.7	972.9
57.5°	916.0	916.0	922.3	926.2	926.2	930.7	930.0	926.8	925.5	924.3	918.5
60°	858.4	860.3	864.8	867.3	873.1	873.7	869.3	871.8	870.5	862.2	857.7
62.5°	797.6	797.0	806.6	809.1	810.4	811.1	809.1	812.3	805.9	802.1	802.7
65°	732.4	734.9	742.0	752.2	749.6	750.3	747.1	747.7	743.9	739.4	736.9
67.5°	676.7	678.6	679.9	687.0	694.0	688.9	685.7	684.4	680.6	680.6	675.5
70°	606.4	609.6	623.0	621.7	623.6	621.7	625.6	626.2	616.0	610.2	614.7
72.5°	548.2	545.0	558.4	554.6	557.8	559.7	560.3	554.6	553.3	547.5	545.0
75°	478.4	486.1	490.6	491.2	491.9	500.2	498.3	495.1	488.0	479.1	481.6
77.5°	418.3	421.5	424.1	426.6	428.6	432.4	433.0	431.1	424.7	422.8	419.0
80°	355.0	359.5	365.9	366.5	367.8	371.0	372.3	369.1	364.0	354.4	350.5
82.5°	297.4	301.3	311.5	313.4	316.0	312.1	316.6	312.1	304.5	301.3	298.1
85°	248.8	254.6	258.4	261.6	264.2	268.0	264.2	263.5	258.4	253.3	247.5
87.5°	216.2	219.4	226.4	228.3	229.6	233.5	232.2	229.6	223.9	216.8	214.9
90°	200.8	204.7	211.1	214.9	217.5	217.5	216.8	214.3	209.8	204.0	199.6
92.5°	199.6	204.0	209.8	213.0	215.6	216.2	215.6	212.4	207.9	201.5	197.6
95°	197.0	200.8	207.2	211.1	213.0	214.3	213.0	211.1	206.6	199.6	196.4
97.5°	195.1	198.9	204.7	209.2	211.1	212.4	211.1	208.5	204.0	197.6	193.8
100°	191.2	195.7	201.5	206.0	207.9	209.2	208.5	205.3	200.8	195.1	191.2
102.5°	188.1	191.9	197.6	202.1	204.0	204.7	204.0	201.5	197.0	191.2	187.4
105°	184.9	188.1	193.8	197.6	200.2	200.8	200.2	198.3	193.8	187.4	183.6
107.5°	180.4	184.2	190.0	193.8	195.7	197.0	195.7	193.8	189.3	182.9	179.7
110°	176.5	179.1	184.9	188.7	191.2	191.9	191.2	188.7	184.2	178.5	174.6



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	171.4	174.6	180.4	183.6	185.5	186.8	186.1	182.9	179.1	172.7	169.5
115°	166.3	169.5	175.3	178.5	180.4	181.7	181.0	178.5	173.3	167.6	164.4
117.5°	160.5	164.4	169.5	172.1	174.6	175.3	174.6	172.1	168.2	163.1	158.6
120°	155.4	158.0	163.1	166.3	168.2	168.9	168.2	165.7	161.8	156.1	153.5
122.5°	149.0	152.2	157.3	161.2	162.5	163.1	162.5	160.5	156.1	150.3	147.1
125°	142.6	145.2	150.3	153.5	155.4	156.7	155.4	152.9	148.4	143.9	140.7
127.5°	135.6	138.8	143.9	146.5	148.4	149.7	148.4	145.2	142.0	137.5	134.3
130°	129.2	132.4	136.2	139.4	141.4	142.0	140.7	138.8	135.6	130.5	127.9
132.5°	122.8	125.4	129.2	132.4	133.7	134.3	133.0	131.1	127.9	123.4	120.3
135°	115.8	117.7	121.5	124.1	126.0	126.6	125.4	122.8	120.3	116.4	113.9
137.5°	108.1	110.7	113.9	117.1	118.3	119.0	117.7	115.8	112.6	108.7	106.2
140°	101.1	102.3	106.8	108.1	110.0	110.7	108.7	106.8	104.3	100.4	98.5
142.5°	93.4	95.3	98.5	100.4	102.3	102.3	101.1	99.1	96.6	92.7	91.5
145°	85.7	87.0	90.2	92.1	93.4	93.4	92.7	90.8	88.9	85.1	83.8
147.5°	78.0	79.3	81.9	83.8	85.1	85.7	84.4	83.2	80.6	77.4	75.5
150°	70.4	71.0	73.6	74.8	76.1	76.1	75.5	74.2	71.6	69.7	67.8
152.5°	62.0	62.7	65.2	66.5	67.2	68.4	67.2	65.2	64.0	61.4	60.1
155°	54.4	55.6	56.9	58.2	58.8	58.8	58.2	57.6	55.6	53.7	51.8
157.5°	43.5	47.3	49.3	49.9	49.9	50.5	49.9	48.6	48.0	46.1	44.8
160°	33.9	36.5	40.3	42.2	42.2	41.6	41.6	40.3	39.7	37.7	37.7
162.5°	24.9	26.9	32.0	32.6	33.9	33.3	33.3	33.3	32.0	31.3	29.4
165°	17.3	18.5	22.4	25.6	25.6	24.9	24.9	24.3	24.3	23.0	21.7
167.5°	10.9	11.5	13.4	17.9	17.9	17.3	17.3	17.3	16.6	15.4	15.4
170°	5.8	6.4	7.0	8.3	10.2	10.2	9.6	10.2	9.6	9.0	8.3
172.5°	1.9	1.9	1.3	1.9	3.8	3.8	3.8	3.8	3.8	3.2	3.2
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1552.4	1551.1	1549.2	1546.0	1542.8	1542.8	1542.8	1544.7	1546.0	1545.3	1546.0
5°	1549.2	1546.0	1544.7	1540.9	1539.0	1539.0	1537.7	1539.6	1542.8	1541.5	1542.2
7.5°	1545.3	1543.4	1540.2	1535.8	1531.9	1531.3	1531.3	1531.9	1533.2	1532.6	1531.9
10°	1539.0	1536.4	1534.5	1528.7	1524.2	1522.3	1521.7	1523.6	1522.3	1522.3	1521.7
12.5°	1531.9	1528.7	1524.9	1518.5	1514.6	1510.8	1510.8	1509.5	1510.2	1510.2	1508.9
15°	1519.1	1519.1	1513.4	1508.2	1501.9	1498.0	1495.5	1495.5	1494.8	1494.2	1491.6
17.5°	1507.0	1503.8	1498.0	1491.6	1487.8	1483.3	1480.1	1476.3	1475.6	1475.0	1471.2
20°	1491.6	1485.9	1482.7	1475.6	1469.9	1464.8	1459.0	1455.2	1454.5	1450.7	1448.1
22.5°	1472.4	1468.0	1462.8	1456.4	1447.5	1441.7	1437.9	1432.8	1428.3	1427.0	1424.5
25°	1451.3	1448.1	1444.3	1432.8	1425.1	1419.3	1412.3	1406.5	1400.8	1398.9	1395.7
27.5°	1426.4	1420.6	1416.8	1410.4	1400.2	1389.3	1383.5	1375.8	1372.0	1368.2	1366.9
30°	1395.7	1393.8	1386.1	1379.7	1370.1	1361.1	1355.4	1341.9	1340.0	1334.9	1329.2
32.5°	1366.9	1365.0	1355.4	1348.3	1338.1	1329.8	1320.8	1310.6	1301.6	1300.4	1294.0
35°	1331.1	1330.4	1321.5	1313.8	1304.2	1296.5	1284.4	1275.4	1263.9	1260.1	1256.2
37.5°	1294.0	1294.0	1284.4	1276.1	1267.7	1256.9	1246.6	1231.9	1227.5	1219.8	1215.9
40°	1254.3	1249.8	1244.7	1238.3	1225.5	1215.9	1204.4	1193.6	1183.3	1176.9	1173.1
42.5°	1212.1	1210.8	1206.3	1198.0	1184.6	1172.4	1163.5	1151.3	1137.3	1135.3	1127.7
45°	1169.9	1168.6	1159.0	1152.0	1140.5	1128.9	1117.4	1102.7	1091.9	1087.4	1079.7
47.5°	1121.3	1120.0	1114.9	1102.7	1093.1	1079.7	1069.5	1053.5	1040.0	1034.3	1027.2
50°	1075.2	1068.8	1062.4	1054.1	1041.3	1032.4	1020.2	1006.1	994.0	983.1	979.9
52.5°	1025.3	1017.7	1009.3	1004.9	988.2	980.6	966.5	948.6	938.3	932.6	923.0
55°	969.7	963.3	960.7	944.1	936.4	922.3	913.4	898.7	885.9	871.2	868.6
57.5°	914.7	906.4	899.3	887.8	882.7	868.6	856.5	836.6	825.1	814.3	805.9
60°	856.5	850.7	839.8	830.2	820.0	811.1	796.3	775.2	761.2	753.5	752.8
62.5°	794.4	788.7	785.5	766.9	761.2	743.3	730.5	717.0	695.9	689.5	681.8
65°	732.4	728.5	716.4	706.8	692.7	683.1	670.3	653.1	637.7	625.6	616.0
67.5°	674.8	667.1	656.3	642.2	632.6	619.8	603.2	582.1	565.4	561.6	551.4
70°	607.0	596.1	591.0	574.4	562.9	553.3	534.7	520.0	500.8	488.7	479.7
72.5°	543.7	533.5	525.1	511.1	497.6	482.3	468.2	450.3	431.8	420.2	413.2
75°	478.4	468.8	461.8	447.1	435.6	418.3	397.9	381.9	369.1	353.7	343.5
77.5°	412.6	402.3	398.5	378.0	364.0	355.0	336.4	318.5	296.8	290.4	278.2
80°	347.3	339.0	333.2	314.1	302.5	285.3	271.8	253.9	235.4	223.2	215.6
82.5°	296.1	285.9	270.6	259.7	244.3	230.9	211.1	197.0	175.3	166.3	157.3
85°	245.0	233.5	225.2	208.5	198.9	184.9	166.3	145.8	127.9	117.7	108.1
87.5°	209.8	198.9	190.6	175.9	162.5	144.6	129.8	111.9	90.8	81.9	73.6
90°	195.7	185.5	174.6	161.8	147.8	131.8	115.1	97.2	78.0	68.4	58.8
92.5°	193.8	184.2	173.3	159.9	145.8	129.8	113.2	95.3	76.8	66.5	56.9
95°	191.9	182.3	171.4	158.0	143.9	128.6	111.9	94.0	75.5	65.2	55.6
97.5°	190.0	180.4	169.5	156.1	142.0	126.6	110.0	92.7	73.6	64.0	54.4
100°	186.8	177.2	166.3	153.5	139.4	124.1	108.1	90.8	72.3	62.7	53.7
102.5°	183.6	174.0	163.1	150.3	136.2	121.5	105.5	88.3	70.4	60.8	51.8
105°	179.1	169.5	159.3	147.1	133.7	119.0	102.3	86.4	68.4	59.5	50.5
107.5°	175.3	166.3	155.4	143.3	129.8	115.8	99.8	83.8	66.5	57.6	48.6
110°	170.8	161.8	151.6	139.4	126.6	112.6	97.2	81.2	64.6	55.6	47.3



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	165.7	156.7	147.1	135.6	122.8	108.7	94.0	78.7	62.0	53.7	45.4
115°	160.5	152.9	142.6	131.1	118.3	104.9	90.8	75.5	59.5	51.2	43.5
117.5°	155.4	147.1	137.5	126.6	114.5	101.1	87.0	72.3	56.9	49.3	41.6
120°	149.0	141.4	132.4	122.2	110.0	97.2	83.8	69.1	54.4	46.7	39.7
122.5°	143.9	136.2	127.3	117.1	105.5	92.7	80.0	66.5	51.8	44.1	37.1
125°	137.5	129.8	121.5	111.3	100.4	88.3	76.1	63.3	48.6	41.6	35.2
127.5°	131.8	124.7	115.8	106.2	95.3	84.4	72.3	60.1	46.1	39.7	33.3
130°	124.7	117.7	109.4	100.4	90.8	79.3	68.4	56.3	43.5	37.1	30.7
132.5°	118.3	111.3	103.6	95.3	85.7	74.8	64.0	52.4	40.3	34.5	28.8
135°	111.3	104.3	97.2	88.9	80.0	70.4	60.1	48.6	37.7	32.0	26.2
137.5°	103.6	97.9	90.8	83.2	74.8	65.2	55.6	45.4	34.5	29.4	24.3
140°	96.6	90.8	84.4	77.4	68.4	60.1	51.2	41.6	32.0	26.2	22.4
142.5°	88.9	83.8	77.4	71.0	62.7	55.6	46.7	37.7	28.8	23.7	19.8
145°	81.9	76.1	71.0	64.6	56.9	50.5	42.2	33.9	25.6	21.7	17.3
147.5°	74.2	69.7	64.0	58.2	51.8	44.8	37.7	30.1	22.4	18.5	15.4
150°	65.9	62.0	57.6	51.8	46.1	40.3	33.3	26.2	19.2	16.0	12.8
152.5°	58.8	54.4	51.2	45.4	40.3	34.5	28.8	22.4	16.6	13.4	10.9
155°	50.5	47.3	43.5	39.7	34.5	30.1	24.3	19.2	13.4	10.9	8.3
157.5°	43.5	40.9	37.1	33.3	28.8	24.3	20.5	15.4	10.9	8.3	6.4
160°	35.8	33.3	30.1	27.5	23.7	19.8	16.0	12.2	8.3	6.4	4.5
162.5°	28.8	26.9	23.7	21.1	18.5	15.4	12.2	9.0	5.8	3.8	2.6
165°	21.1	19.8	17.9	15.4	13.4	10.9	8.3	5.8	3.2	2.6	1.9
167.5°	14.7	13.4	11.5	10.2	9.0	6.4	5.1	3.2	1.9	1.9	1.3
170°	8.3	7.0	6.4	5.1	4.5	3.2	1.9	1.9	1.3	1.3	1.3
172.5°	2.6	1.9	1.9	1.3	1.3	0.6	0.6	1.3	1.3	1.3	1.3
175°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3	1.3	1.3	1.3
177.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3	1.3	1.3	1.3
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: P241624

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

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1551.1	1551.1	1551.1	1551.1
2.5°	1547.3	1551.1	1553.7	1554.3
5°	1542.2	1546.6	1547.3	1549.8
7.5°	1533.2	1538.3	1539.6	1540.9
10°	1521.7	1525.5	1529.4	1530.6
12.5°	1507.0	1512.1	1512.7	1513.4
15°	1491.0	1492.3	1495.5	1494.8
17.5°	1468.0	1470.5	1474.3	1473.1
20°	1445.6	1447.5	1450.7	1448.1
22.5°	1420.6	1418.1	1420.6	1423.2
25°	1389.3	1389.3	1391.2	1389.3
27.5°	1357.9	1355.4	1354.1	1356.7
30°	1324.0	1318.9	1317.0	1319.6
32.5°	1285.0	1279.3	1279.3	1279.3
35°	1249.8	1244.1	1237.7	1236.4
37.5°	1207.0	1198.0	1192.9	1194.2
40°	1163.5	1152.0	1151.3	1146.2
42.5°	1114.9	1105.9	1102.1	1100.8
45°	1067.5	1053.5	1049.0	1047.1
47.5°	1013.8	1003.6	995.3	994.6
50°	962.0	951.8	944.1	944.1
52.5°	905.7	894.2	885.9	882.1
55°	851.3	834.1	823.8	827.0
57.5°	789.9	773.3	761.8	759.9
60°	731.1	714.5	702.3	703.0
62.5°	662.7	653.7	637.7	635.2
65°	603.8	587.8	569.9	565.4
67.5°	530.9	520.7	504.7	500.8
70°	464.4	450.9	437.5	427.3
72.5°	395.9	378.7	370.3	364.0
75°	330.0	306.4	300.0	299.3
77.5°	261.6	241.8	232.8	223.2
80°	194.4	181.0	166.3	158.6
82.5°	137.5	119.0	103.0	99.8
85°	86.4	68.4	53.7	46.7
87.5°	51.8	33.9	21.1	14.1
90°	39.0	20.5	6.4	0.6
92.5°	37.7	19.8	5.8	0.6
95°	36.5	19.2	5.1	0.6
97.5°	35.8	18.5	5.1	0.6
100°	35.2	17.9	5.1	0.6
102.5°	33.9	17.3	4.5	0.6
105°	33.3	16.6	4.5	0.6
107.5°	32.0	16.0	4.5	0.6
110°	30.7	15.4	3.8	0.6



TEST NUMBER: P241624

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

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	29.4	14.7	3.8	0.6
115°	28.1	14.1	3.2	0.6
117.5°	26.2	12.8	2.6	0.6
120°	24.9	12.2	2.6	0.6
122.5°	23.7	11.5	1.9	0.6
125°	22.4	10.2	1.9	0.6
127.5°	21.1	9.6	1.3	0.6
130°	19.2	8.3	1.3	0.6
132.5°	17.9	7.7	1.3	0.6
135°	16.0	7.0	1.3	1.3
137.5°	14.7	5.8	1.3	1.3
140°	12.8	5.1	1.3	1.3
142.5°	11.5	3.8	1.3	1.3
145°	9.6	3.2	1.3	1.3
147.5°	8.3	2.6	1.3	1.3
150°	6.4	1.9	1.3	1.3
152.5°	5.1	1.9	1.3	1.3
155°	3.8	1.3	1.3	1.3
157.5°	2.6	1.3	1.3	1.3
160°	1.9	1.3	1.3	1.3
162.5°	1.9	1.3	1.9	1.9
165°	1.3	1.3	1.9	1.9
167.5°	1.3	1.9	1.9	1.9
170°	1.3	1.9	1.9	1.9
172.5°	1.3	1.9	1.9	1.9
175°	1.9	1.9	1.9	1.9
177.5°	1.9	1.9	1.9	1.9
180°	0.6	0.6	0.6	0.6

(END OF REPORT)