

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: METALUX

Report Number: P201356

Luminaire Tested: **4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P201356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28228)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U
Description: 4 ft. Low Bay Linear, 6000 lm, Wht Asym lens, 5K
Light Source: (308) 5000K CCT, 80 CRI LEDS
2UT217098A8504C, 2UT217056A8504B
Ballast/Driver: OSRAM
OT50W0620CC, OT30W0400CC

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6415.9 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 2.07 / 1.2 / 1.84
Luminous Opening: Rectangular w/ Sides (W: 4' x L: 0.17' x H: 0.21')
CIE Type: Semi-Direct

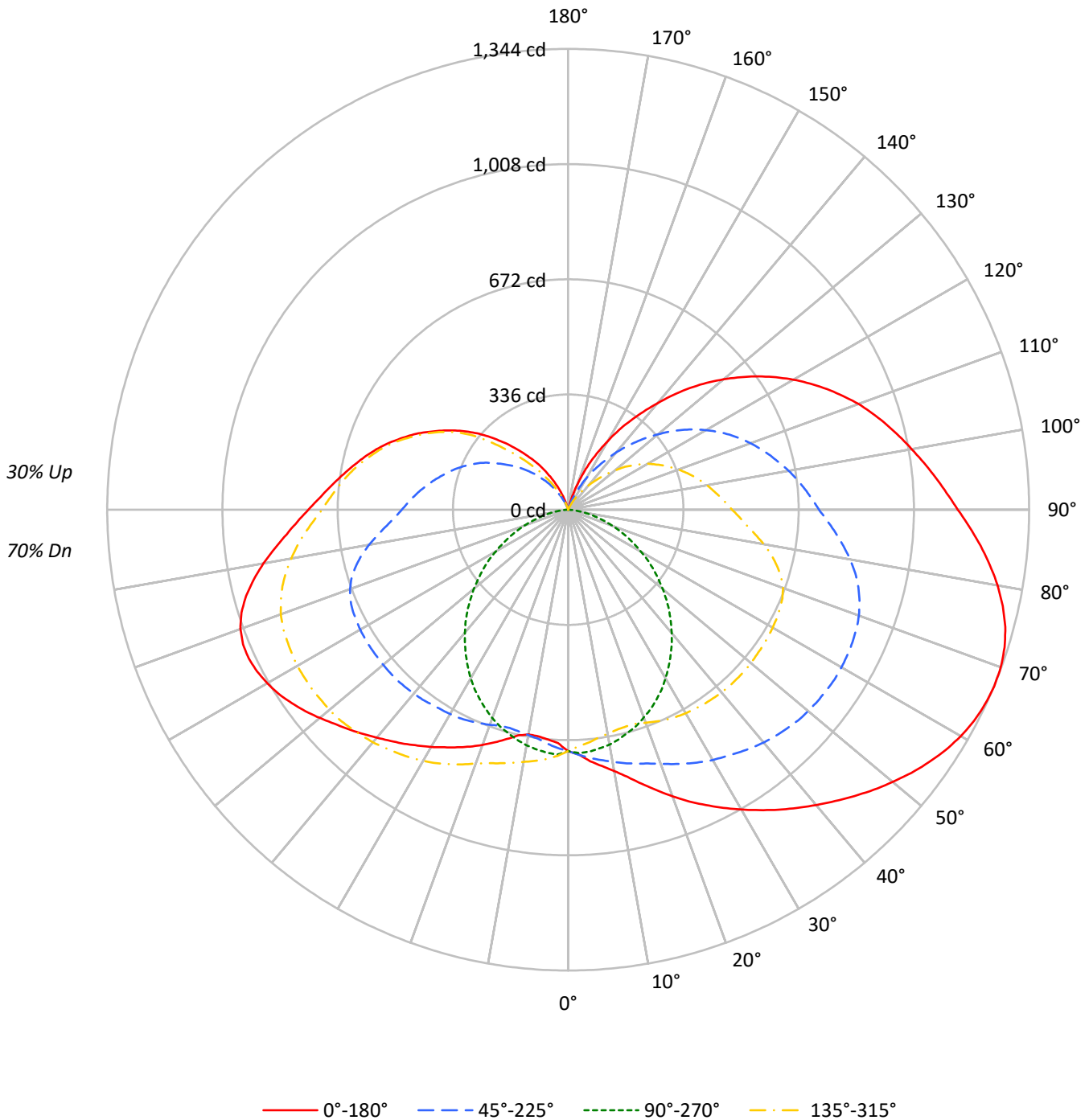
Input Watts (W): 46.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

Luminous Intensity Polar Plot





TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	70
1	97	90	84	79	91	85	80	75	75	71	67	66	63	60	58	55	53	48
2	86	76	68	60	81	72	64	57	63	57	51	55	50	46	48	44	40	36
3	78	65	56	48	72	61	53	46	54	47	41	47	41	36	41	36	32	28
4	70	57	47	39	65	53	44	37	47	39	33	41	35	30	35	30	26	23
5	64	50	40	33	60	47	38	31	41	34	28	36	30	25	31	26	22	19
6	59	44	35	28	55	42	33	26	37	29	24	32	26	21	28	23	19	16
7	54	40	30	24	50	37	29	23	33	26	21	29	23	18	25	20	16	14
8	50	36	27	21	47	34	26	20	30	23	18	27	21	16	23	18	14	12
9	47	33	24	18	44	31	23	18	27	21	16	24	18	14	21	16	13	10
10	44	30	22	16	41	28	21	16	25	19	14	22	17	13	20	15	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11344	11344	11344	11344
5°	10741	11403	9813	11453
10°	10383	11280	8928	11314
15°	10345	11069	8663	11102
20°	10498	10848	8614	10883
25°	10687	10592	8598	10592
30°	10928	10250	8648	10269
35°	11223	9879	8757	9858
40°	11565	9461	8926	9439
45°	11982	9016	9187	8992
50°	12461	8493	9536	8470
55°	12981	7937	9944	7882
60°	13489	7246	10338	7217
65°	13931	6548	10671	6476
70°	14302	5676	10835	5631
75°	14543	4625	10715	4567
80°	14632	3289	10382	3361
85°	14644	1577	9999	1809



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	1.0
10°-20°	202.5	3.2
20°-30°	341.1	5.3
30°-40°	473.7	7.4
40°-50°	592.9	9.2
50°-60°	689.5	10.7
60°-70°	747.3	11.6
70°-80°	736.0	11.5
80°-90°	652.2	10.2
90°-100°	562.4	8.8
100°-110°	473.5	7.4
110°-120°	370.7	5.8
120°-130°	259.8	4.0
130°-140°	153.4	2.4
140°-150°	70.6	1.1
150°-160°	21.2	0.3
160°-170°	1.9	0.0
170°-180°	0.0	0.0
0°-30°	610.9	9.5
0°-40°	1084.5	16.9
0°-60°	2366.9	36.9
0°-90°	4502.4	70.2
90°-120°	1406.6	21.9
90°-150°	1890.4	29.5
90°-180°	1914.0	29.8
0°-180°	6415.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	704	704	704	704	704	
5°	736	708	673	711	736	71
15°	827	673	693	675	827	237
25°	950	610	764	610	950	441
35°	1068	520	833	519	1068	672
45°	1181	416	905	415	1181	915
55°	1284	304	984	301	1284	1151
65°	1341	191	1027	189	1341	1328
75°	1319	89	972	88	1319	1390
85°	1207	14	824	16	1207	999
90°	1136	0	757	0	1136	623
95°	1075	0	702	0	1075	867
105°	961	0	609	0	961	1016
115°	832	0	511	0	832	826
125°	678	0	403	1	678	609
135°	502	0	286	1	502	389
145°	317	0	176	1	317	202
155°	152	0	76	1	152	73
165°	24	0	4	1	24	10
175°	0	0	0	1	0	0
180°	0	0	0	0	0	



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	714.5	714.4	714.3	714.1	714.0	713.9	713.8	713.6	713.5	713.4	713.6
5°	736.4	735.6	734.8	734.0	733.2	732.3	731.5	730.7	729.9	729.1	728.9
7.5°	754.1	753.1	752.0	751.0	749.9	748.9	747.8	746.8	745.7	744.7	743.8
10°	773.9	772.4	770.9	769.4	767.9	766.4	764.9	763.4	761.9	760.4	758.9
12.5°	797.9	795.9	794.0	792.0	790.0	788.1	786.1	784.1	782.2	780.2	777.6
15°	827.1	824.6	822.0	819.5	816.9	814.4	811.8	809.3	806.7	804.2	800.0
17.5°	857.4	854.6	851.8	849.0	846.2	843.5	840.7	837.9	835.1	832.3	826.0
20°	889.7	886.1	882.5	878.9	875.3	871.8	868.2	864.6	861.0	857.4	849.7
22.5°	921.0	916.8	912.6	908.5	904.3	900.1	895.9	891.8	887.6	883.4	874.5
25°	950.2	945.7	941.2	936.6	932.1	927.6	923.1	918.5	914.0	909.5	899.2
27.5°	980.4	975.3	970.2	965.1	960.0	955.0	949.9	944.8	939.7	934.6	923.0
30°	1009.7	1004.1	998.6	993.0	987.4	981.9	976.3	970.7	965.2	959.6	946.6
32.5°	1038.9	1032.8	1026.6	1020.5	1014.3	1008.2	1002.0	995.9	989.7	983.6	969.1
35°	1068.1	1061.4	1054.7	1047.9	1041.2	1034.5	1027.8	1021.0	1014.3	1007.6	991.7
37.5°	1096.2	1088.9	1081.6	1074.3	1067.0	1059.7	1052.4	1045.1	1037.8	1030.5	1013.3
40°	1124.4	1116.5	1108.6	1100.8	1092.9	1085.0	1077.1	1069.3	1061.4	1053.5	1035.0
42.5°	1152.5	1144.0	1135.6	1127.1	1118.7	1110.2	1101.8	1093.3	1084.9	1076.4	1056.2
45°	1180.7	1171.5	1162.4	1153.2	1144.1	1134.9	1125.8	1116.6	1107.5	1098.3	1076.5
47.5°	1208.9	1198.9	1189.0	1179.0	1169.0	1159.1	1149.1	1139.1	1129.2	1119.2	1095.9
50°	1234.9	1224.5	1214.1	1203.6	1193.2	1182.8	1172.4	1161.9	1151.5	1141.1	1115.8
52.5°	1261.0	1249.8	1238.5	1227.3	1216.0	1204.8	1193.5	1182.3	1171.0	1159.8	1132.8
55°	1284.0	1272.4	1260.8	1249.2	1237.6	1226.1	1214.5	1202.9	1191.3	1179.7	1150.7
57.5°	1304.8	1292.8	1280.7	1268.7	1256.6	1244.6	1232.5	1220.5	1208.4	1196.4	1165.8
60°	1321.5	1309.1	1296.7	1284.3	1271.9	1259.5	1247.1	1234.7	1222.3	1209.9	1177.7
62.5°	1334.0	1321.3	1308.5	1295.8	1283.0	1270.3	1257.5	1244.8	1232.0	1219.3	1185.8
65°	1341.3	1328.4	1315.6	1302.7	1289.9	1277.0	1264.2	1251.3	1238.5	1225.6	1191.1
67.5°	1344.5	1331.5	1318.5	1305.5	1292.5	1279.6	1266.6	1253.6	1240.6	1227.6	1192.3
70°	1342.4	1329.4	1316.4	1303.5	1290.5	1277.5	1264.5	1251.6	1238.6	1225.6	1189.7
72.5°	1334.0	1320.9	1307.8	1294.7	1281.6	1268.6	1255.5	1242.4	1229.3	1216.2	1180.0
75°	1319.4	1306.7	1293.9	1281.2	1268.4	1255.7	1242.9	1230.2	1217.4	1204.7	1168.2
77.5°	1297.5	1284.9	1272.2	1259.6	1247.0	1234.3	1221.7	1209.1	1196.4	1183.8	1147.5
80°	1271.5	1258.7	1246.0	1233.2	1220.5	1207.7	1195.0	1182.2	1169.5	1156.7	1120.9
82.5°	1240.2	1227.8	1215.4	1203.0	1190.6	1178.2	1165.8	1153.4	1141.0	1128.6	1093.1
85°	1206.8	1194.5	1182.2	1169.9	1157.6	1145.4	1133.1	1120.8	1108.5	1096.2	1061.4
87.5°	1171.3	1159.2	1147.2	1135.1	1123.1	1111.0	1099.0	1086.9	1074.9	1062.8	1028.7
90°	1135.9	1124.1	1112.3	1100.4	1088.6	1076.8	1065.0	1053.1	1041.3	1029.5	996.4
92.5°	1104.6	1093.1	1081.6	1070.2	1058.7	1047.2	1035.7	1024.3	1012.8	1001.3	969.1
95°	1075.4	1064.3	1053.1	1042.0	1030.9	1019.7	1008.6	997.5	986.3	975.2	943.8
97.5°	1046.2	1035.3	1024.4	1013.5	1002.6	991.7	980.8	969.9	959.0	948.1	917.5
100°	1017.0	1006.3	995.7	985.0	974.3	963.7	953.0	942.3	931.7	921.0	891.2
102.5°	988.8	978.4	967.9	957.5	947.1	936.6	926.2	915.8	905.3	894.9	865.6
105°	960.6	950.4	940.2	930.0	919.8	909.6	899.4	889.2	879.0	868.8	840.1
107.5°	931.4	921.3	911.2	901.2	891.1	881.0	870.9	860.9	850.8	840.7	812.7
110°	901.2	891.2	881.3	871.3	861.3	851.4	841.4	831.4	821.5	811.5	784.3



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	866.8	857.1	847.3	837.6	827.8	818.1	808.3	798.6	788.8	779.1	752.8
115°	832.3	822.8	813.3	803.8	794.3	784.8	775.3	765.8	756.3	746.8	721.4
117.5°	795.8	786.6	777.5	768.3	759.2	750.0	740.9	731.7	722.6	713.4	688.7
120°	758.3	749.4	740.5	731.5	722.6	713.7	704.8	695.8	686.9	678.0	654.2
122.5°	718.6	710.0	701.5	692.9	684.3	675.8	667.2	658.6	650.1	641.5	618.7
125°	678.0	669.8	661.5	653.3	645.1	636.8	628.6	620.4	612.1	603.9	581.9
127.5°	635.2	627.4	619.7	611.9	604.1	596.4	588.6	580.8	573.1	565.3	544.1
130°	591.4	584.1	576.8	569.5	562.2	554.9	547.6	540.3	533.0	525.7	505.3
132.5°	547.6	540.6	533.7	526.7	519.8	512.8	505.9	498.9	492.0	485.0	465.6
135°	501.7	495.1	488.5	481.9	475.3	468.6	462.0	455.4	448.8	442.2	424.1
137.5°	453.7	447.6	441.4	435.3	429.1	423.0	416.8	410.7	404.5	398.4	381.7
140°	405.7	400.1	394.6	389.0	383.5	377.9	372.4	366.8	361.3	355.7	340.4
142.5°	359.8	354.9	350.1	345.2	340.3	335.5	330.6	325.7	320.9	316.0	301.6
145°	317.1	312.7	308.3	303.9	299.5	295.0	290.6	286.2	281.8	277.4	264.2
147.5°	275.4	271.1	266.8	262.5	258.2	254.0	249.7	245.4	241.1	236.8	225.2
150°	231.6	228.1	224.6	221.2	217.7	214.2	210.7	207.3	203.8	200.3	189.7
152.5°	190.9	187.9	184.9	181.9	178.9	175.8	172.8	169.8	166.8	163.8	154.6
155°	152.3	149.6	147.0	144.3	141.6	139.0	136.3	133.6	131.0	128.3	120.4
157.5°	114.7	112.5	110.3	108.1	105.9	103.7	101.5	99.3	97.1	94.9	88.4
160°	79.3	77.6	75.8	74.1	72.3	70.6	68.8	67.1	65.3	63.6	58.9
162.5°	48.0	46.8	45.7	44.5	43.3	42.2	41.0	39.8	38.7	37.5	34.4
165°	24.0	23.3	22.6	21.9	21.2	20.5	19.8	19.1	18.4	17.7	16.1
167.5°	7.3	7.1	6.8	6.6	6.4	6.1	5.9	5.7	5.4	5.2	4.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLELD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	713.9	714.1	714.3	714.6	714.8	715.0	715.3	715.5	714.3	713.2	712.0
5°	728.6	728.4	728.2	727.9	727.7	727.5	727.2	727.0	725.0	723.1	721.1
7.5°	742.9	741.9	741.0	740.1	739.2	738.2	737.3	736.4	733.6	730.8	728.0
10°	757.4	755.9	754.4	752.8	751.3	749.8	748.3	746.8	742.9	738.9	735.0
12.5°	775.1	772.5	770.0	767.4	764.9	762.3	759.8	757.2	752.0	746.8	741.6
15°	795.8	791.7	787.5	783.3	779.1	775.0	770.8	766.6	760.0	753.4	746.8
17.5°	819.8	813.5	807.3	801.0	794.8	788.5	782.3	776.0	767.9	759.8	751.7
20°	842.1	834.4	826.8	819.1	811.5	803.8	796.2	788.5	778.3	768.1	757.9
22.5°	865.6	856.6	847.7	838.8	829.9	820.9	812.0	803.1	790.5	777.8	765.2
25°	888.9	878.6	868.3	857.9	847.6	837.3	827.0	816.7	801.7	786.8	771.8
27.5°	911.4	899.8	888.2	876.6	865.0	853.4	841.8	830.2	812.8	795.4	778.1
30°	933.6	920.7	907.7	894.7	881.7	868.8	855.8	842.8	823.0	803.2	783.3
32.5°	954.6	940.1	925.6	911.2	896.7	882.2	867.7	853.2	831.4	809.6	787.8
35°	975.8	960.0	944.1	928.2	912.3	896.5	880.6	864.7	840.7	816.7	792.7
37.5°	996.2	979.0	961.9	944.7	927.6	910.4	893.3	876.1	850.1	824.2	798.2
40°	1016.4	997.9	979.3	960.8	942.2	923.7	905.1	886.6	858.8	831.0	803.1
42.5°	1036.1	1015.9	995.7	975.6	955.4	935.2	915.1	894.9	865.2	835.6	805.9
45°	1054.7	1032.9	1011.1	989.4	967.6	945.8	924.0	902.2	870.8	839.4	808.0
47.5°	1072.6	1049.3	1026.0	1002.7	979.4	956.1	932.8	909.5	876.2	843.0	809.7
50°	1090.6	1065.3	1040.0	1014.8	989.5	964.2	939.0	913.7	878.8	843.9	809.0
52.5°	1105.8	1078.8	1051.8	1024.8	997.8	970.8	943.8	916.8	880.3	843.8	807.3
55°	1121.7	1092.8	1063.8	1034.8	1005.8	976.9	947.9	918.9	880.9	842.9	804.9
57.5°	1135.2	1104.6	1074.0	1043.4	1012.8	982.2	951.6	921.0	881.2	841.5	801.7
60°	1145.5	1113.3	1081.1	1048.8	1016.6	984.4	952.2	920.0	879.0	837.9	796.9
62.5°	1152.3	1118.8	1085.3	1051.9	1018.4	984.9	951.4	917.9	875.5	833.1	790.6
65°	1156.5	1122.0	1087.4	1052.9	1018.3	983.8	949.2	914.7	871.0	827.3	783.6
67.5°	1156.9	1121.6	1086.2	1050.9	1015.5	980.2	944.8	909.5	864.5	819.6	774.6
70°	1153.7	1117.8	1081.9	1045.9	1010.0	974.1	938.1	902.2	856.1	810.0	763.8
72.5°	1143.9	1107.7	1071.5	1035.4	999.2	963.0	926.9	890.7	843.9	797.1	750.3
75°	1131.7	1095.2	1058.7	1022.1	985.6	949.1	912.6	876.1	828.7	781.3	733.9
77.5°	1111.3	1075.0	1038.7	1002.5	966.2	929.9	893.7	857.4	809.9	762.4	714.8
80°	1085.1	1049.3	1013.5	977.6	941.8	906.0	870.2	834.4	787.2	740.1	692.9
82.5°	1057.7	1022.2	986.7	951.3	915.8	880.3	844.9	809.4	762.7	716.0	669.3
85°	1026.7	991.9	957.1	922.4	887.6	852.8	818.1	783.3	737.3	691.3	645.3
87.5°	994.7	960.6	926.5	892.5	858.4	824.3	790.3	756.2	711.1	666.0	621.0
90°	963.2	930.1	896.9	863.8	830.6	797.5	764.3	731.2	686.9	642.6	598.4
92.5°	936.9	904.6	872.4	840.2	808.0	775.7	743.5	711.3	668.0	624.6	581.3
95°	912.4	881.0	849.6	818.2	786.8	755.4	724.0	692.6	649.9	607.3	564.6
97.5°	886.9	856.3	825.7	795.2	764.6	734.0	703.4	672.8	631.0	589.1	547.3
100°	861.4	831.6	801.8	772.1	742.3	712.5	682.7	652.9	611.9	570.9	529.8
102.5°	836.3	806.9	777.6	748.3	719.0	689.6	660.3	631.0	590.7	550.4	510.0
105°	811.3	782.6	753.9	725.1	696.4	667.7	638.9	610.2	570.4	530.7	490.9
107.5°	784.6	756.6	728.5	700.5	672.4	644.4	616.3	588.3	549.4	510.4	471.5
110°	757.0	729.8	702.6	675.3	648.1	620.9	593.6	566.4	528.3	490.1	452.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	726.5	700.2	673.9	647.6	621.3	595.0	568.7	542.4	505.2	468.0	430.8
115°	696.0	670.7	645.3	619.9	594.5	569.2	543.8	518.4	482.1	445.8	409.6
117.5°	664.0	639.4	614.7	590.0	565.3	540.7	516.0	491.3	456.2	421.1	385.9
120°	630.5	606.7	582.9	559.2	535.4	511.6	487.9	464.1	430.0	396.0	361.9
122.5°	595.8	573.0	550.2	527.3	504.5	481.7	458.8	436.0	403.3	370.6	338.0
125°	559.9	537.8	515.8	493.8	471.8	449.7	427.7	405.7	374.8	343.8	312.9
127.5°	522.9	501.7	480.5	459.2	438.0	416.8	395.6	374.4	345.2	316.0	286.8
130°	484.9	464.5	444.1	423.7	403.3	382.9	362.5	342.1	314.9	287.6	260.4
132.5°	446.3	426.9	407.6	388.2	368.9	349.5	330.2	310.8	285.4	260.0	234.7
135°	406.0	388.0	369.9	351.8	333.7	315.7	297.6	279.5	256.1	232.7	209.3
137.5°	365.0	348.3	331.6	315.0	298.3	281.6	264.9	248.2	226.8	205.3	183.9
140°	325.1	309.8	294.5	279.2	263.9	248.6	233.3	218.0	198.6	179.3	159.9
142.5°	287.3	272.9	258.5	244.2	229.8	215.4	201.1	186.7	169.5	152.4	135.2
145°	251.0	237.8	224.6	211.3	198.1	184.9	171.7	158.5	143.4	128.4	113.3
147.5°	213.6	202.0	190.4	178.9	167.3	155.7	144.1	132.5	119.4	106.3	93.2
150°	179.2	168.6	158.1	147.5	137.0	126.4	115.9	105.3	94.5	83.7	73.0
152.5°	145.5	136.3	127.2	118.0	108.9	99.7	90.6	81.4	72.8	64.2	55.7
155°	112.5	104.7	96.8	88.9	81.0	73.2	65.3	57.4	51.3	45.1	39.0
157.5°	81.9	75.4	68.9	62.5	56.0	49.5	43.0	36.5	32.4	28.4	24.3
160°	54.1	49.4	44.6	39.9	35.1	30.4	25.6	20.9	18.6	16.3	13.9
162.5°	31.3	28.1	25.0	21.9	18.8	15.6	12.5	9.4	8.4	7.3	6.3
165°	14.5	12.8	11.2	9.6	8.0	6.3	4.7	3.1	2.8	2.4	2.1
167.5°	4.0	3.5	2.9	2.3	1.7	1.2	0.6	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLELD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	710.9	709.7	708.6	707.4	706.3	705.1	705.7	706.3	706.8	707.4	708.0
5°	719.1	717.2	715.2	713.2	711.3	709.3	709.2	709.1	708.9	708.8	708.7
7.5°	725.2	722.5	719.7	716.9	714.1	711.3	710.3	709.2	708.2	707.2	706.1
10°	731.0	727.1	723.1	719.2	715.2	711.3	709.6	707.8	706.1	704.4	702.6
12.5°	736.4	731.1	725.9	720.7	715.5	710.3	707.5	704.7	702.0	699.2	696.4
15°	740.2	733.6	727.0	720.4	713.8	707.2	703.4	699.6	695.7	691.9	688.1
17.5°	743.6	735.4	727.3	719.2	711.1	703.0	698.4	693.7	689.1	684.5	679.8
20°	747.7	737.5	727.3	717.1	706.9	696.7	690.9	685.1	679.3	673.5	667.8
22.5°	752.6	739.9	727.3	714.7	702.0	689.4	682.7	676.0	669.2	662.5	655.8
25°	756.9	741.9	727.0	712.0	697.1	682.1	674.1	666.1	658.1	650.1	642.2
27.5°	760.7	743.3	725.9	708.6	691.2	673.8	664.5	655.3	646.0	636.7	627.5
30°	763.5	743.7	723.9	704.0	684.2	664.4	653.6	642.8	632.1	621.3	610.5
32.5°	766.0	744.3	722.5	700.7	678.9	657.1	644.6	632.1	619.6	607.1	594.5
35°	768.7	744.8	720.8	696.8	672.8	648.8	634.5	620.3	606.0	591.8	577.5
37.5°	772.3	746.3	720.4	694.4	668.5	642.5	626.2	609.8	593.5	577.1	560.8
40°	775.3	747.5	719.7	691.8	664.0	636.2	617.7	599.1	580.6	562.1	543.5
42.5°	776.2	746.6	716.9	687.2	657.6	627.9	607.3	586.6	566.0	545.4	524.7
45°	776.6	745.2	713.8	682.4	651.0	619.6	597.0	574.4	551.8	529.2	506.6
47.5°	776.5	743.2	710.0	676.7	643.5	610.2	585.5	560.8	536.1	511.4	486.8
50°	774.1	739.3	704.4	669.5	634.6	599.7	573.0	546.4	519.7	493.1	466.4
52.5°	770.8	734.3	697.8	661.3	624.8	588.3	559.7	531.0	502.4	473.8	445.1
55°	766.9	728.8	690.8	652.8	614.8	576.8	546.4	516.1	485.7	455.3	425.0
57.5°	762.0	722.2	682.5	642.7	603.0	563.2	531.2	499.2	467.3	435.3	403.3
60°	755.9	714.8	673.8	632.8	591.7	550.7	516.7	482.8	448.8	414.9	380.9
62.5°	748.2	705.8	663.4	620.9	578.5	536.1	500.6	465.2	429.7	394.2	358.8
65°	739.9	696.3	652.6	608.9	565.2	521.5	484.8	448.0	411.3	374.6	337.8
67.5°	729.6	684.7	639.7	594.7	549.8	504.8	466.9	429.0	391.1	353.2	315.4
70°	717.7	671.6	625.5	579.3	533.2	487.1	448.3	409.5	370.6	331.8	293.0
72.5°	703.5	656.6	609.8	563.0	516.2	469.4	429.8	390.1	350.5	310.8	271.2
75°	686.5	639.1	591.7	544.3	496.9	449.5	409.4	369.3	329.2	289.1	249.1
77.5°	667.3	619.8	572.3	524.7	477.2	429.7	389.3	348.8	308.4	267.9	227.5
80°	645.7	598.6	551.4	504.2	457.1	409.9	369.5	329.0	288.6	248.1	207.7
82.5°	622.6	575.8	529.1	482.4	435.7	389.0	348.9	308.8	268.7	228.6	188.6
85°	599.3	553.2	507.2	461.2	415.2	369.2	329.7	290.2	250.7	211.2	171.6
87.5°	575.9	530.8	485.7	440.7	395.6	350.5	311.9	273.3	234.7	196.1	157.5
90°	554.1	509.8	465.5	421.3	377.0	332.7	295.7	258.8	221.8	184.8	147.9
92.5°	538.0	494.6	451.3	408.0	364.6	321.3	285.6	249.9	214.2	178.5	142.8
95°	522.0	479.3	436.7	394.0	351.4	308.7	274.4	240.1	205.8	171.5	137.2
97.5°	505.4	463.6	421.7	379.9	338.0	296.2	263.3	230.4	197.5	164.6	131.6
100°	488.8	447.8	406.8	365.7	324.7	283.7	252.2	220.7	189.1	157.6	126.1
102.5°	469.7	429.4	389.1	348.7	308.4	268.1	238.3	208.5	178.7	148.9	119.2
105°	451.2	411.4	371.7	331.9	292.2	252.4	224.4	196.3	168.3	140.2	112.2
107.5°	432.5	393.6	354.6	315.7	276.7	237.8	211.4	185.0	158.5	132.1	105.7
110°	413.9	375.7	337.6	299.5	261.3	223.2	198.4	173.6	148.8	124.0	99.2



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	393.6	356.4	319.2	282.0	244.8	207.6	184.5	161.5	138.4	115.3	92.3
115°	373.3	337.0	300.7	264.5	228.2	191.9	170.6	149.3	127.9	106.6	85.3
117.5°	350.8	315.7	280.6	245.4	210.3	175.2	155.7	136.3	116.8	97.3	77.9
120°	327.8	293.8	259.7	225.6	191.6	157.5	140.0	122.5	105.0	87.5	70.0
122.5°	305.3	272.6	239.9	207.3	174.6	141.9	126.1	110.4	94.6	78.8	63.1
125°	281.9	251.0	220.0	189.1	158.1	127.2	113.1	98.9	84.8	70.7	56.5
127.5°	257.6	228.4	199.2	170.0	140.8	111.6	99.2	86.8	74.4	62.0	49.6
130°	233.2	205.9	178.7	151.5	124.2	97.0	86.2	75.4	64.7	53.9	43.1
132.5°	209.3	183.9	158.5	133.2	107.8	82.4	73.2	64.1	54.9	45.8	36.6
135°	185.9	162.4	139.0	115.6	92.2	68.8	61.2	53.5	45.9	38.2	30.6
137.5°	162.5	141.0	119.6	98.2	76.7	55.3	49.2	43.0	36.9	30.7	24.6
140°	140.6	121.2	101.9	82.5	63.2	43.8	38.9	34.1	29.2	24.3	19.5
142.5°	118.1	100.9	83.8	66.6	49.5	32.3	28.7	25.1	21.5	17.9	14.4
145°	98.2	83.2	68.1	53.0	38.0	22.9	20.4	17.8	15.3	12.7	10.2
147.5°	80.1	67.0	53.9	40.8	27.7	14.6	13.0	11.4	9.7	8.1	6.5
150°	62.2	51.4	40.6	29.9	19.1	8.3	7.4	6.5	5.5	4.6	3.7
152.5°	47.1	38.5	29.9	21.4	12.8	4.2	3.7	3.3	2.8	2.3	1.9
155°	32.8	26.7	20.5	14.4	8.2	2.1	1.9	1.6	1.4	1.2	0.9
157.5°	20.3	16.2	12.2	8.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	11.6	9.3	7.0	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	5.2	4.2	3.1	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.7	1.4	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	708.6	709.1	709.7	710.3	708.8	707.3	705.8	704.3	702.7	701.2	699.7
5°	708.6	708.4	708.3	708.2	706.0	703.8	701.6	699.4	697.2	695.0	692.8
7.5°	705.1	704.1	703.0	702.0	699.4	696.9	694.3	691.8	689.2	686.7	684.1
10°	700.9	699.2	697.4	695.7	692.7	689.7	686.7	683.7	680.6	677.6	674.6
12.5°	693.6	690.9	688.1	685.3	682.2	679.0	675.9	672.8	669.6	666.5	663.4
15°	684.3	680.4	676.6	672.8	669.7	666.5	663.4	660.3	657.1	654.0	650.9
17.5°	675.2	670.6	665.9	661.3	658.1	654.8	651.6	648.3	645.1	641.8	638.6
20°	662.0	656.2	650.4	644.6	641.8	639.0	636.3	633.5	630.7	627.9	625.2
22.5°	649.1	642.3	635.6	628.9	626.4	623.8	621.3	618.7	616.2	613.6	611.1
25°	634.2	626.2	618.2	610.2	608.3	606.5	604.6	602.8	600.9	599.1	597.2
27.5°	618.2	608.9	599.7	590.4	589.4	588.3	587.3	586.2	585.2	584.1	583.1
30°	599.7	589.0	578.2	567.4	567.5	567.6	567.8	567.9	568.0	568.1	568.3
32.5°	582.0	569.5	557.0	544.5	546.1	547.7	549.4	551.0	552.6	554.2	555.9
35°	563.3	549.0	534.8	520.5	523.7	527.0	530.2	533.5	536.7	540.0	543.2
37.5°	544.4	528.1	511.7	495.4	500.4	505.4	510.4	515.4	520.3	525.3	530.3
40°	525.0	506.5	487.9	469.4	476.0	482.6	489.2	495.8	502.4	509.0	515.6
42.5°	504.1	483.5	462.8	442.2	450.5	458.9	467.2	475.6	483.9	492.3	500.6
45°	484.0	461.4	438.8	416.2	426.0	435.9	445.7	455.6	465.4	475.3	485.1
47.5°	462.1	437.4	412.7	388.0	399.6	411.2	422.8	434.4	445.9	457.5	469.1
50°	439.8	413.1	386.5	359.8	373.1	386.5	399.8	413.1	426.5	439.8	453.1
52.5°	416.5	387.9	359.2	330.6	345.6	360.5	375.5	390.4	405.4	420.3	435.3
55°	394.6	364.2	333.9	303.5	320.0	336.4	352.9	369.3	385.8	402.2	418.7
57.5°	371.3	339.4	307.4	275.4	293.4	311.3	329.3	347.2	365.2	383.1	401.1
60°	347.0	313.0	279.1	245.1	264.8	284.5	304.2	323.9	343.6	363.3	383.0
62.5°	323.3	287.8	252.4	216.9	238.0	259.1	280.2	301.3	322.4	343.5	364.6
65°	301.1	264.4	227.6	190.9	213.1	235.4	257.6	279.9	302.1	324.4	346.6
67.5°	277.5	239.6	201.7	163.8	187.0	210.2	233.3	256.5	279.7	302.9	326.0
70°	254.2	215.3	176.5	137.7	161.8	185.9	210.0	234.1	258.2	282.3	306.4
72.5°	231.5	191.9	152.2	112.6	137.3	162.0	186.7	211.4	236.0	260.7	285.4
75°	209.0	168.9	128.8	88.7	113.8	139.0	164.1	189.3	214.4	239.6	264.7
77.5°	187.0	146.6	106.1	65.7	91.2	116.7	142.2	167.7	193.2	218.7	244.2
80°	167.2	126.8	86.3	45.9	71.4	96.9	122.4	147.9	173.4	198.9	224.4
82.5°	148.5	108.4	68.3	28.2	53.2	78.3	103.3	128.3	153.4	178.4	203.4
85°	132.1	92.6	53.1	13.6	38.2	62.7	87.3	111.9	136.4	161.0	185.6
87.5°	118.9	80.3	41.7	3.1	27.1	51.1	75.1	99.1	123.0	147.0	171.0
90°	110.9	73.9	37.0	0.0	22.9	45.9	68.8	91.8	114.7	137.7	160.6
92.5°	107.1	71.4	35.7	0.0	21.9	43.8	65.7	87.6	109.5	131.4	153.3
95°	102.9	68.6	34.3	0.0	20.9	41.7	62.6	83.4	104.3	125.1	146.0
97.5°	98.7	65.8	32.9	0.0	19.7	39.4	59.1	78.8	98.5	118.2	137.9
100°	94.6	63.0	31.5	0.0	18.5	37.1	55.6	74.2	92.7	111.3	129.8
102.5°	89.4	59.6	29.8	0.0	17.4	34.8	52.2	69.6	86.9	104.3	121.7
105°	84.1	56.1	28.0	0.0	16.2	32.4	48.7	64.9	81.1	97.3	113.6
107.5°	79.3	52.8	26.4	0.0	15.1	30.1	45.2	60.3	75.3	90.4	105.5
110°	74.4	49.6	24.8	0.0	13.8	27.6	41.4	55.2	68.9	82.7	96.5



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	69.2	46.1	23.1	0.0	12.6	25.3	37.9	50.5	63.2	75.8	88.4
115°	64.0	42.6	21.3	0.0	11.4	22.7	34.1	45.4	56.8	68.1	79.5
117.5°	58.4	38.9	19.5	0.0	10.2	20.4	30.6	40.8	51.0	61.2	71.4
120°	52.5	35.0	17.5	0.0	9.0	18.1	27.1	36.2	45.2	54.3	63.3
122.5°	47.3	31.5	15.8	0.0	7.9	15.8	23.6	31.5	39.4	47.3	55.1
125°	42.4	28.3	14.1	0.0	6.7	13.4	20.2	26.9	33.6	40.3	47.1
127.5°	37.2	24.8	12.4	0.0	5.4	10.9	16.3	21.8	27.2	32.7	38.1
130°	32.3	21.6	10.8	0.0	4.3	8.6	12.9	17.2	21.4	25.7	30.0
132.5°	27.5	18.3	9.2	0.0	3.2	6.5	9.7	13.0	16.2	19.5	22.7
135°	22.9	15.3	7.6	0.0	2.3	4.6	7.0	9.3	11.6	13.9	16.3
137.5°	18.4	12.3	6.1	0.0	1.6	3.2	4.9	6.5	8.1	9.7	11.4
140°	14.6	9.7	4.9	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.5
142.5°	10.8	7.2	3.6	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.3
145°	7.6	5.1	2.5	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6
147.5°	4.9	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	698.2	696.7	696.0	695.3	694.6	693.9	693.3	692.6	691.9	691.2	690.5
5°	690.6	688.4	687.7	687.0	686.3	685.6	684.9	684.2	683.5	682.8	682.1
7.5°	681.6	679.0	678.1	677.2	676.2	675.3	674.4	673.5	672.5	671.6	670.7
10°	671.6	668.6	668.0	667.4	666.9	666.3	665.7	665.1	664.6	664.0	663.4
12.5°	660.2	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1
15°	647.7	644.6	645.6	646.7	647.7	648.8	649.8	650.9	651.9	653.0	654.0
17.5°	635.3	632.1	634.6	637.2	639.7	642.3	644.8	647.4	649.9	652.5	655.0
20°	622.4	619.6	624.2	628.9	633.5	638.1	642.8	647.4	652.0	656.7	661.3
22.5°	608.5	606.0	613.0	619.9	626.9	633.8	640.8	647.7	654.7	661.6	668.6
25°	595.4	593.5	602.7	611.8	621.0	630.1	639.3	648.4	657.6	666.7	675.9
27.5°	582.0	581.0	592.1	603.2	614.4	625.5	636.6	647.7	658.9	670.0	681.1
30°	568.4	568.5	581.5	594.5	607.4	620.4	633.4	646.4	659.3	672.3	685.3
32.5°	557.5	559.1	573.5	587.8	602.2	616.6	630.9	645.3	659.7	674.0	688.4
35°	546.5	549.7	565.5	581.2	597.0	612.7	628.5	644.2	660.0	675.7	691.5
37.5°	535.3	540.3	557.3	574.4	591.4	608.4	625.5	642.5	659.5	676.6	693.6
40°	522.2	528.8	547.3	565.9	584.4	603.0	621.5	640.1	658.6	677.2	695.7
42.5°	509.0	517.3	537.2	557.2	577.1	597.0	617.0	636.9	656.8	676.8	696.7
45°	495.0	504.8	526.1	547.4	568.8	590.1	611.4	632.7	654.1	675.4	696.7
47.5°	480.7	492.3	515.0	537.7	560.4	583.1	605.9	628.6	651.3	674.0	696.7
50°	466.5	479.8	503.8	527.8	551.8	575.8	599.7	623.7	647.7	671.7	695.7
52.5°	450.2	465.2	490.6	516.0	541.3	566.7	592.1	617.5	642.8	668.2	693.6
55°	435.1	451.6	478.4	505.2	531.9	558.7	585.5	612.3	639.0	665.8	692.6
57.5°	419.0	437.0	465.2	493.3	521.5	549.7	577.8	606.0	634.2	662.3	690.5
60°	402.7	422.4	452.0	481.5	511.1	540.6	570.2	599.7	629.3	658.8	688.4
62.5°	385.7	406.8	437.7	468.7	499.6	530.6	561.5	592.5	623.4	654.4	685.3
65°	368.9	391.1	423.3	455.5	487.8	520.0	552.2	584.4	616.7	648.9	681.1
67.5°	349.2	372.4	406.1	439.8	473.6	507.3	541.0	574.7	608.5	642.2	675.9
70°	330.5	354.6	389.3	423.9	458.6	493.2	527.9	562.5	597.2	631.8	666.5
72.5°	310.1	334.8	369.9	405.0	440.1	475.2	510.4	545.5	580.6	615.7	650.8
75°	289.9	315.0	350.0	385.0	420.0	455.0	490.0	525.0	560.0	595.0	630.0
77.5°	269.7	295.2	329.7	364.3	398.8	433.3	467.9	502.4	536.9	571.5	606.0
80°	249.9	275.4	309.1	342.8	376.6	410.3	444.0	477.7	511.5	545.2	578.9
82.5°	228.5	253.5	286.4	319.3	352.2	385.1	418.1	451.0	483.9	516.8	549.7
85°	210.1	234.7	266.7	298.7	330.7	362.7	394.6	426.6	458.6	490.6	522.6
87.5°	195.0	219.0	250.2	281.4	312.5	343.7	374.9	406.1	437.2	468.4	499.6
90°	183.6	206.5	236.6	266.8	296.9	327.0	357.2	387.3	417.4	447.6	477.7
92.5°	175.2	197.1	226.3	255.5	284.7	313.9	343.2	372.4	401.6	430.8	460.0
95°	166.8	187.7	216.1	244.5	272.9	301.3	329.7	358.1	386.5	414.9	443.3
97.5°	157.6	177.3	205.0	232.7	260.4	288.1	315.8	343.5	371.2	398.9	426.6
100°	148.4	166.9	194.0	221.1	248.3	275.4	302.5	329.6	356.8	383.9	411.0
102.5°	139.1	156.5	182.9	209.3	235.8	262.2	288.6	315.0	341.5	367.9	394.3
105°	129.8	146.0	171.7	197.5	223.2	248.9	274.7	300.4	326.1	351.9	377.6
107.5°	120.5	135.6	160.5	185.4	210.3	235.2	260.2	285.1	310.0	334.9	359.8
110°	110.3	124.1	148.3	172.5	196.8	221.0	245.2	269.4	293.7	317.9	342.1



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	101.1	113.7	137.0	160.3	183.6	206.9	230.1	253.4	276.7	300.0	323.3
115°	90.8	102.2	124.8	147.4	170.0	192.6	215.2	237.8	260.4	283.0	305.6
117.5°	81.6	91.8	113.4	134.9	156.5	178.0	199.6	221.1	242.7	264.2	285.8
120°	72.4	81.4	102.1	122.9	143.6	164.4	185.1	205.9	226.6	247.4	268.1
122.5°	63.0	70.9	90.3	109.6	129.0	148.3	167.7	187.0	206.4	225.7	245.1
125°	53.8	60.5	78.7	96.9	115.1	133.3	151.5	169.7	187.9	206.1	224.3
127.5°	43.6	49.0	66.2	83.3	100.5	117.6	134.8	151.9	169.1	186.2	203.4
130°	34.3	38.6	54.1	69.7	85.2	100.7	116.3	131.8	147.3	162.9	178.4
132.5°	26.0	29.2	43.2	57.2	71.3	85.3	99.3	113.3	127.4	141.4	155.4
135°	18.6	20.9	33.3	45.7	58.1	70.5	82.9	95.3	107.7	120.1	132.5
137.5°	13.0	14.6	25.4	36.2	46.9	57.7	68.5	79.3	90.0	100.8	111.6
140°	7.4	8.3	17.7	27.1	36.5	45.9	55.2	64.6	74.0	83.4	92.8
142.5°	3.7	4.2	12.1	20.0	27.8	35.7	43.6	51.5	59.3	67.2	75.1
145°	1.9	2.1	8.4	14.6	20.9	27.1	33.4	39.6	45.9	52.1	58.4
147.5°	0.0	0.0	5.0	10.0	15.0	20.0	24.9	29.9	34.9	39.9	44.9
150°	0.0	0.0	3.5	7.0	10.4	13.9	17.4	20.9	24.3	27.8	31.3
152.5°	0.0	0.0	2.2	4.4	6.6	8.8	11.0	13.2	15.4	17.6	19.8
155°	0.0	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.1	9.2	10.4
157.5°	0.0	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.3	3.7	4.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	690.0	689.6	689.1	688.6	688.2	687.7	687.2	686.8	686.3	685.7	685.1
5°	681.3	680.5	679.7	678.9	678.0	677.2	676.4	675.6	674.8	674.6	674.4
7.5°	670.3	670.0	669.6	669.3	668.9	668.6	668.2	667.9	667.5	667.4	667.3
10°	663.6	663.9	664.1	664.3	664.6	664.8	665.0	665.3	665.5	665.5	665.5
12.5°	658.4	659.7	660.9	662.2	663.5	664.8	666.0	667.3	668.6	669.2	669.8
15°	657.0	660.0	663.0	666.0	669.1	672.1	675.1	678.1	681.1	682.4	683.7
17.5°	659.8	664.5	669.3	674.0	678.8	683.5	688.3	693.0	697.8	699.3	700.8
20°	667.1	672.9	678.7	684.5	690.2	696.0	701.8	707.6	713.4	715.3	717.1
22.5°	675.1	681.6	688.1	694.6	701.0	707.5	714.0	720.5	727.0	729.3	731.6
25°	683.2	690.5	697.8	705.1	712.4	719.7	727.0	734.3	741.6	744.1	746.7
27.5°	689.2	697.3	705.4	713.5	721.7	729.8	737.9	746.0	754.1	757.1	760.1
30°	694.3	703.4	712.4	721.4	730.5	739.5	748.5	757.6	766.6	770.2	773.8
32.5°	698.6	708.8	719.0	729.2	739.4	749.6	759.8	770.0	780.2	784.1	788.1
35°	702.7	714.0	725.2	736.5	747.7	759.0	770.2	781.5	792.7	797.2	801.7
37.5°	705.8	717.9	730.1	742.3	754.4	766.6	778.8	790.9	803.1	808.3	813.5
40°	709.0	722.3	735.7	749.0	762.3	775.6	789.0	802.3	815.6	821.4	827.2
42.5°	711.3	725.9	740.5	755.1	769.8	784.4	799.0	813.6	828.2	834.7	841.2
45°	712.8	728.9	745.0	761.1	777.3	793.4	809.5	825.6	841.7	848.8	855.8
47.5°	714.2	731.7	749.2	766.7	784.2	801.7	819.2	836.7	854.2	862.0	869.7
50°	714.8	733.9	753.1	772.2	791.3	810.4	829.6	848.7	867.8	876.4	885.0
52.5°	714.5	735.3	756.2	777.1	797.9	818.8	839.7	860.5	881.4	890.8	900.2
55°	715.0	737.3	759.7	782.1	804.4	826.8	849.2	871.5	893.9	903.9	913.8
57.5°	714.6	738.7	762.8	786.9	811.0	835.1	859.2	883.3	907.4	917.7	928.0
60°	713.9	739.4	764.9	790.4	815.9	841.4	866.9	892.4	917.9	928.4	939.0
62.5°	712.0	738.6	765.3	791.9	818.6	845.2	871.9	898.5	925.2	936.0	946.8
65°	708.7	736.3	763.8	791.4	819.0	846.6	874.1	901.7	929.3	940.2	951.1
67.5°	703.9	732.0	760.0	788.1	816.1	844.2	872.2	900.3	928.3	939.2	950.1
70°	694.8	723.1	751.3	779.6	807.9	836.2	864.4	892.7	921.0	931.7	942.3
72.5°	679.0	707.1	735.3	763.5	791.6	819.8	848.0	876.1	904.3	914.8	925.4
75°	657.8	685.6	713.4	741.2	769.1	796.9	824.7	852.5	880.3	890.5	900.7
77.5°	633.1	660.2	687.4	714.5	741.6	768.7	795.9	823.0	850.1	859.9	869.8
80°	605.1	631.3	657.5	683.7	709.8	736.0	762.2	788.4	814.6	824.3	834.1
82.5°	575.0	600.2	625.5	650.8	676.0	701.3	726.6	751.8	777.1	786.6	796.1
85°	546.9	571.3	595.6	619.9	644.3	668.6	692.9	717.3	741.6	750.8	759.9
87.5°	522.7	545.7	568.8	591.9	614.9	638.0	661.1	684.1	707.2	716.4	725.5
90°	500.1	522.4	544.8	567.2	589.5	611.9	634.3	656.6	679.0	687.7	696.4
92.5°	481.6	503.1	524.7	546.2	567.8	589.3	610.9	632.4	654.0	662.2	670.4
95°	464.0	484.8	505.5	526.3	547.0	567.8	588.5	609.3	630.0	638.0	646.0
97.5°	446.8	466.9	487.1	507.3	527.4	547.6	567.8	587.9	608.1	615.7	623.4
100°	430.6	450.2	469.7	489.3	508.9	528.5	548.0	567.6	587.2	594.6	602.0
102.5°	413.4	432.5	451.7	470.8	489.9	509.0	528.2	547.3	566.4	573.6	580.8
105°	396.3	414.9	433.6	452.2	470.9	489.5	508.2	526.8	545.5	552.6	559.6
107.5°	378.0	396.2	414.4	432.6	450.8	469.0	487.2	505.4	523.6	530.6	537.5
110°	359.7	377.3	395.0	412.6	430.2	447.8	465.5	483.1	500.7	507.5	514.4



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	340.3	357.4	374.4	391.5	408.5	425.6	442.6	459.7	476.7	483.3	489.9
115°	321.9	338.3	354.6	371.0	387.3	403.7	420.0	436.4	452.7	459.2	465.7
117.5°	301.7	317.6	333.4	349.3	365.2	381.1	396.9	412.8	428.7	435.0	441.2
120°	283.3	298.5	313.6	328.8	344.0	359.2	374.3	389.5	404.7	410.4	416.1
122.5°	259.9	274.8	289.6	304.4	319.3	334.1	348.9	363.8	378.6	384.3	390.0
125°	238.7	253.0	267.4	281.8	296.1	310.5	324.9	339.2	353.6	359.0	364.5
127.5°	217.1	230.8	244.4	258.1	271.8	285.5	299.1	312.8	326.5	331.8	337.1
130°	192.0	205.5	219.1	232.6	246.2	259.7	273.3	286.8	300.4	305.5	310.6
132.5°	168.5	181.6	194.7	207.8	220.9	234.0	247.1	260.2	273.3	278.0	282.8
135°	144.9	157.3	169.7	182.1	194.5	206.9	219.3	231.7	244.1	248.7	253.4
137.5°	123.2	134.8	146.4	158.0	169.5	181.1	192.7	204.3	215.9	220.5	225.2
140°	103.2	113.7	124.1	134.5	145.0	155.4	165.8	176.3	186.7	191.3	196.0
142.5°	84.3	93.4	102.6	111.7	120.9	130.0	139.2	148.3	157.5	162.3	167.0
145°	66.4	74.4	82.4	90.4	98.4	106.4	114.4	122.4	130.4	135.5	140.6
147.5°	51.6	58.3	65.0	71.7	78.5	85.2	91.9	98.6	105.3	110.3	115.3
150°	36.9	42.4	48.0	53.6	59.1	64.7	70.3	75.8	81.4	86.1	90.9
152.5°	24.3	28.8	33.4	37.9	42.4	46.9	51.5	56.0	60.5	64.9	69.3
155°	13.9	17.4	20.8	24.3	27.8	31.3	34.7	38.2	41.7	45.5	49.3
157.5°	6.6	9.1	11.5	13.9	16.4	18.8	21.2	23.7	26.1	29.2	32.3
160°	1.4	2.8	4.2	5.6	6.9	8.3	9.7	11.1	12.5	14.8	17.1
162.5°	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	4.5	5.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	684.6	684.0	683.4	682.8	682.3	681.7	681.1	681.6	682.0	682.5	683.0
5°	674.1	673.9	673.7	673.5	673.2	673.0	672.8	672.9	673.0	673.1	673.2
7.5°	667.2	667.1	666.9	666.8	666.7	666.6	666.5	666.5	666.5	666.5	666.5
10°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.1	664.8	664.4	664.1
12.5°	670.3	670.9	671.5	672.1	672.6	673.2	673.8	672.9	672.0	671.0	670.1
15°	684.9	686.2	687.5	688.8	690.0	691.3	692.6	691.2	689.8	688.4	687.0
17.5°	702.3	703.8	705.3	706.8	708.3	709.8	711.3	709.5	707.6	705.8	703.9
20°	719.0	720.8	722.7	724.5	726.4	728.2	730.1	727.9	725.7	723.5	721.3
22.5°	734.0	736.3	738.6	740.9	743.3	745.6	747.9	745.1	742.3	739.5	736.7
25°	749.2	751.8	754.3	756.9	759.4	762.0	764.5	761.5	758.5	755.5	752.5
27.5°	763.1	766.1	769.2	772.2	775.2	778.2	781.2	777.8	774.5	771.1	767.8
30°	777.4	781.0	784.6	788.2	791.8	795.4	799.0	795.1	791.1	787.2	783.2
32.5°	792.0	795.9	799.9	803.8	807.7	811.7	815.6	811.3	807.0	802.8	798.5
35°	806.3	810.8	815.3	819.8	824.4	828.9	833.4	828.6	823.9	819.1	814.4
37.5°	818.8	824.0	829.2	834.4	839.7	844.9	850.1	844.9	839.7	834.4	829.2
40°	833.0	838.8	844.6	850.4	856.2	862.0	867.8	862.0	856.2	850.4	844.6
42.5°	847.7	854.2	860.6	867.1	873.6	880.1	886.6	880.3	874.1	867.8	861.5
45°	862.9	870.0	877.0	884.1	891.2	898.2	905.3	898.5	891.6	884.8	878.0
47.5°	877.5	885.3	893.0	900.8	908.6	916.3	924.1	916.8	909.5	902.2	894.9
50°	893.5	902.1	910.7	919.3	927.8	936.4	945.0	937.0	929.0	921.0	913.0
52.5°	909.5	918.9	928.3	937.7	947.0	956.4	965.8	957.1	948.4	939.7	931.0
55°	923.8	933.8	943.7	953.7	963.7	973.6	983.6	974.7	965.8	956.8	947.9
57.5°	938.4	948.7	959.0	969.3	979.7	990.0	1000.3	991.0	981.7	972.5	963.2
60°	949.5	960.1	970.6	981.2	991.7	1002.3	1012.8	1003.4	994.0	984.6	975.2
62.5°	957.5	968.3	979.1	989.9	1000.6	1011.4	1022.2	1012.5	1002.7	993.0	983.3
65°	962.0	972.9	983.8	994.7	1005.6	1016.5	1027.4	1017.8	1008.2	998.5	988.9
67.5°	961.0	971.9	982.7	993.6	1004.5	1015.4	1026.3	1016.6	1006.8	997.1	987.4
70°	953.0	963.7	974.3	985.0	995.7	1006.3	1017.0	1007.4	997.8	988.1	978.5
72.5°	935.9	946.5	957.0	967.6	978.1	988.7	999.2	989.7	980.2	970.7	961.2
75°	910.9	921.1	931.3	941.5	951.7	961.9	972.1	962.9	953.8	944.6	935.5
77.5°	879.6	889.5	899.3	909.2	919.0	928.9	938.7	929.7	920.6	911.6	902.6
80°	843.8	853.5	863.3	873.0	882.7	892.5	902.2	893.4	884.6	875.8	867.0
82.5°	805.6	815.1	824.6	834.1	843.6	853.1	862.6	853.9	845.2	836.5	827.8
85°	769.1	778.2	787.4	796.5	805.7	814.8	824.0	815.5	807.1	798.6	790.2
87.5°	734.7	743.8	753.0	762.1	771.3	780.4	789.6	781.1	772.7	764.2	755.7
90°	705.1	713.8	722.4	731.1	739.8	748.5	757.2	749.1	741.0	732.9	724.8
92.5°	678.7	686.9	695.1	703.3	711.6	719.8	728.0	720.4	712.7	705.1	697.4
95°	654.0	662.0	670.0	678.0	686.0	694.0	702.0	694.7	687.4	680.1	672.8
97.5°	631.0	638.7	646.3	654.0	661.6	669.3	676.9	669.9	663.0	656.0	649.1
100°	609.5	616.9	624.3	631.7	639.2	646.6	654.0	647.2	640.3	633.5	626.6
102.5°	587.9	595.1	602.3	609.5	616.6	623.8	631.0	624.3	617.6	610.8	604.1
105°	566.7	573.8	580.8	587.9	595.0	602.0	609.1	602.5	595.9	589.3	582.7
107.5°	544.5	551.4	558.4	565.3	572.3	579.2	586.2	579.7	573.2	566.7	560.2
110°	521.2	528.0	534.9	541.7	548.5	555.4	562.2	555.8	549.4	543.1	536.7



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	496.5	503.1	509.7	516.3	522.9	529.5	536.1	530.0	523.8	517.7	511.5
115°	472.2	478.7	485.1	491.6	498.1	504.6	511.1	505.1	499.0	493.0	487.0
117.5°	447.5	453.7	460.0	466.2	472.5	478.7	485.0	479.2	473.4	467.6	461.8
120°	421.7	427.4	433.1	438.8	444.4	450.1	455.8	450.5	445.1	439.8	434.5
122.5°	395.6	401.3	407.0	412.7	418.3	424.0	429.7	424.6	419.5	414.4	409.3
125°	369.9	375.4	380.8	386.3	391.7	397.2	402.6	397.6	392.6	387.7	382.7
127.5°	342.5	347.8	353.1	358.4	363.8	369.1	374.4	369.8	365.1	360.5	355.9
130°	315.7	320.8	325.9	331.0	336.1	341.2	346.3	341.8	337.3	332.7	328.2
132.5°	287.5	292.3	297.0	301.8	306.5	311.3	316.0	311.8	307.7	303.5	299.3
135°	258.0	262.6	267.3	271.9	276.5	281.2	285.8	281.9	277.9	274.0	270.0
137.5°	229.8	234.4	239.1	243.7	248.3	253.0	257.6	253.9	250.2	246.5	242.8
140°	200.6	205.2	209.9	214.5	219.1	223.8	228.4	225.3	222.2	219.0	215.9
142.5°	171.8	176.5	181.3	186.0	190.8	195.5	200.3	197.5	194.7	191.9	189.1
145°	145.7	150.8	155.9	161.0	166.1	171.2	176.3	173.5	170.7	167.9	165.1
147.5°	120.3	125.3	130.2	135.2	140.2	145.2	150.2	147.6	145.1	142.5	140.0
150°	95.6	100.4	105.1	109.9	114.6	119.4	124.1	122.0	119.9	117.8	115.7
152.5°	73.7	78.1	82.5	86.9	91.3	95.7	100.1	98.1	96.2	94.2	92.2
155°	53.2	57.0	60.8	64.6	68.5	72.3	76.1	74.5	72.9	71.2	69.6
157.5°	35.5	38.6	41.7	44.8	48.0	51.1	54.2	52.8	51.4	50.0	48.6
160°	19.5	21.8	24.1	26.4	28.8	31.1	33.4	32.5	31.5	30.6	29.7
162.5°	7.3	8.7	10.0	11.4	12.8	14.2	15.6	15.1	14.7	14.2	13.8
165°	1.4	1.9	2.3	2.8	3.3	3.7	4.2	4.2	4.2	4.2	4.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	683.4	683.9	684.4	684.8	685.3	686.5	687.6	688.8	689.9	691.1	692.2
5°	673.4	673.5	673.6	673.7	673.8	675.1	676.4	677.6	678.9	680.2	681.5
7.5°	666.5	666.5	666.5	666.5	666.5	667.3	668.1	668.9	669.7	670.6	671.4
10°	663.7	663.4	663.0	662.7	662.3	662.9	663.5	664.0	664.6	665.2	665.8
12.5°	669.2	668.3	667.3	666.4	665.5	665.1	664.8	664.4	664.1	663.7	663.4
15°	685.7	684.3	682.9	681.5	680.1	677.8	675.5	673.1	670.8	668.5	666.2
17.5°	702.1	700.2	698.4	696.5	694.7	690.9	687.0	683.2	679.4	675.5	671.7
20°	719.1	716.9	714.7	712.5	710.3	705.5	700.8	696.0	691.3	686.5	681.8
22.5°	734.0	731.2	728.4	725.6	722.8	717.4	711.9	706.5	701.0	695.6	690.1
25°	749.4	746.4	743.4	740.4	737.4	731.0	724.7	718.3	711.9	705.6	699.2
27.5°	764.4	761.1	757.7	754.4	751.0	743.7	736.4	729.1	721.8	714.5	707.2
30°	779.3	775.3	771.4	767.4	763.5	755.2	746.8	738.5	730.1	721.8	713.4
32.5°	794.2	789.9	785.7	781.4	777.1	767.5	757.9	748.2	738.6	729.0	719.4
35°	809.6	804.9	800.1	795.4	790.6	779.8	769.0	758.3	747.5	736.7	725.9
37.5°	824.0	818.8	813.5	808.3	803.1	791.4	779.7	768.0	756.3	744.6	732.9
40°	838.8	833.0	827.2	821.4	815.6	802.7	789.9	777.0	764.2	751.3	738.5
42.5°	855.3	849.0	842.7	836.5	830.2	816.0	801.7	787.5	773.2	759.0	744.7
45°	871.1	864.3	857.5	850.6	843.8	828.3	812.7	797.2	781.7	766.1	750.6
47.5°	887.6	880.3	873.0	865.7	858.4	841.2	824.1	806.9	789.8	772.6	755.5
50°	905.0	897.0	889.0	881.0	873.0	854.2	835.4	816.7	797.9	779.1	760.3
52.5°	922.4	913.7	905.0	896.3	887.6	867.1	846.6	826.1	805.6	785.0	764.5
55°	939.0	930.1	921.1	912.2	903.3	881.0	858.8	836.5	814.3	792.0	769.8
57.5°	953.9	944.6	935.4	926.1	916.8	892.9	869.1	845.2	821.3	797.5	773.6
60°	965.9	956.5	947.1	937.7	928.3	902.9	877.5	852.2	826.8	801.4	776.0
62.5°	973.5	963.8	954.1	944.3	934.6	908.2	881.7	855.3	828.9	802.4	776.0
65°	979.3	969.7	960.0	950.4	940.8	913.3	885.9	858.4	830.9	803.5	776.0
67.5°	977.6	967.9	958.2	948.4	938.7	910.8	882.9	854.9	827.0	799.1	771.2
70°	968.9	959.3	949.6	940.0	930.4	902.2	874.1	845.9	817.7	789.6	761.4
72.5°	951.7	942.2	932.7	923.2	913.7	885.8	857.8	829.9	802.0	774.0	746.1
75°	926.3	917.2	908.0	898.9	889.7	862.1	834.5	807.0	779.4	751.8	724.2
77.5°	893.5	884.5	875.5	866.4	857.4	830.7	804.1	777.4	750.8	724.1	697.5
80°	858.1	849.3	840.5	831.7	822.9	796.9	771.0	745.0	719.1	693.1	667.2
82.5°	819.2	810.5	801.8	793.1	784.4	759.4	734.3	709.3	684.3	659.2	634.2
85°	781.7	773.3	764.8	756.4	747.9	723.8	699.7	675.6	651.5	627.3	603.2
87.5°	747.3	738.8	730.3	721.9	713.4	690.2	667.0	643.9	620.7	597.5	574.3
90°	716.6	708.5	700.4	692.3	684.2	662.1	639.9	617.8	595.7	573.5	551.4
92.5°	689.8	682.1	674.5	666.8	659.2	637.9	616.6	595.2	573.9	552.6	531.3
95°	665.4	658.1	650.8	643.5	636.2	615.6	595.0	574.3	553.7	533.1	512.5
97.5°	642.1	635.2	628.2	621.3	614.3	594.3	574.2	554.2	534.1	514.1	494.0
100°	619.8	612.9	606.1	599.2	592.4	572.8	553.2	533.7	514.1	494.5	474.9
102.5°	597.4	590.7	583.9	577.2	570.5	551.5	532.5	513.5	494.5	475.5	456.5
105°	576.1	569.5	562.9	556.3	549.7	531.0	512.4	493.7	475.0	456.4	437.7
107.5°	553.8	547.3	540.8	534.3	527.8	509.7	491.6	473.6	455.5	437.4	419.3
110°	530.3	523.9	517.6	511.2	504.8	487.4	470.0	452.7	435.3	417.9	400.5



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	505.4	499.2	493.1	486.9	480.8	464.1	447.4	430.7	414.0	397.4	380.7
115°	480.9	474.9	468.9	462.8	456.8	440.8	424.8	408.8	392.8	376.9	360.9
117.5°	456.1	450.3	444.5	438.7	432.9	417.5	402.1	386.6	371.2	355.8	340.4
120°	429.1	423.8	418.5	413.1	407.8	393.0	378.1	363.3	348.5	333.6	318.8
122.5°	404.2	399.1	394.0	388.9	383.8	369.1	354.4	339.7	325.0	310.2	295.5
125°	377.7	372.7	367.8	362.8	357.8	343.8	329.8	315.7	301.7	287.7	273.7
127.5°	351.2	346.6	342.0	337.3	332.7	319.3	305.8	292.4	278.9	265.5	252.0
130°	323.7	319.2	314.6	310.1	305.6	293.3	281.0	268.7	256.4	244.2	231.9
132.5°	295.2	291.0	286.8	282.7	278.5	266.9	255.3	243.7	232.1	220.6	209.0
135°	266.1	262.1	258.2	254.2	250.3	239.8	229.2	218.7	208.1	197.6	187.0
137.5°	239.1	235.4	231.7	228.0	224.3	214.7	205.1	195.4	185.8	176.2	166.6
140°	212.8	209.7	206.5	203.4	200.3	191.1	182.0	172.8	163.7	154.5	145.4
142.5°	186.4	183.6	180.8	178.0	175.2	167.0	158.8	150.5	142.3	134.1	125.9
145°	162.4	159.6	156.8	154.0	151.2	143.7	136.1	128.6	121.1	113.5	106.0
147.5°	137.4	134.9	132.3	129.8	127.2	120.5	113.8	107.1	100.4	93.6	86.9
150°	113.7	111.6	109.5	107.4	105.3	99.3	93.3	87.2	81.2	75.2	69.2
152.5°	90.3	88.3	86.3	84.4	82.4	77.3	72.2	67.1	62.0	56.9	51.8
155°	68.0	66.4	64.7	63.1	61.5	57.2	52.9	48.6	44.3	40.1	35.8
157.5°	47.3	45.9	44.5	43.1	41.7	38.6	35.5	32.3	29.2	26.1	23.0
160°	28.7	27.8	26.9	25.9	25.0	22.9	20.8	18.8	16.7	14.6	12.5
162.5°	13.3	12.9	12.4	12.0	11.5	10.6	9.6	8.7	7.8	6.8	5.9
165°	4.2	4.2	4.2	4.2	4.2	3.8	3.5	3.1	2.8	2.4	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	693.4	694.5	695.7	695.9	696.2	696.4	696.6	696.9	697.1	697.3	697.6
5°	682.7	684.0	685.3	685.8	686.2	686.7	687.1	687.6	688.0	688.5	688.9
7.5°	672.2	673.0	673.8	674.4	675.0	675.5	676.1	676.7	677.3	677.8	678.4
10°	666.3	666.9	667.5	667.6	667.7	667.9	668.0	668.1	668.2	668.4	668.5
12.5°	663.0	662.7	662.3	661.7	661.1	660.6	660.0	659.4	658.8	658.3	657.7
15°	663.8	661.5	659.2	657.6	656.0	654.3	652.7	651.1	649.5	647.8	646.2
17.5°	667.9	664.0	660.2	657.0	653.7	650.5	647.2	644.0	640.7	637.5	634.2
20°	677.0	672.3	667.5	662.1	656.6	651.2	645.7	640.3	634.8	629.4	623.9
22.5°	684.7	679.2	673.8	666.2	658.5	650.9	643.2	635.6	627.9	620.3	612.6
25°	692.8	686.5	680.1	670.4	660.6	650.9	641.1	631.4	621.6	611.9	602.1
27.5°	699.9	692.6	685.3	673.6	661.9	650.2	638.5	626.7	615.0	603.3	591.6
30°	705.1	696.7	688.4	675.1	661.8	648.4	635.1	621.8	608.5	595.1	581.8
32.5°	709.7	700.1	690.5	675.9	661.3	646.7	632.1	617.5	602.9	588.3	573.7
35°	715.2	704.4	693.6	677.7	661.8	646.0	630.1	614.2	598.3	582.5	566.6
37.5°	721.2	709.5	697.8	680.4	663.0	645.6	628.2	610.9	593.5	576.1	558.7
40°	725.6	712.8	699.9	681.2	662.6	643.9	625.2	606.6	587.9	569.2	550.6
42.5°	730.5	716.2	702.0	681.9	661.9	641.8	621.8	601.7	581.7	561.6	541.6
45°	735.1	719.5	704.0	682.4	660.9	639.3	617.8	596.2	574.7	553.1	531.6
47.5°	738.3	721.2	704.0	681.2	658.4	635.5	612.7	589.9	567.1	544.2	521.4
50°	741.6	722.8	704.0	679.7	655.3	631.0	606.7	582.3	558.0	533.7	509.3
52.5°	744.0	723.5	703.0	677.4	651.8	626.2	600.6	574.9	549.3	523.7	498.1
55°	747.5	725.3	703.0	675.9	648.8	621.6	594.5	567.4	540.3	513.1	486.0
57.5°	749.7	725.9	702.0	673.5	645.0	616.5	588.0	559.4	530.9	502.4	473.9
60°	750.7	725.3	699.9	670.1	640.3	610.5	580.7	551.0	521.2	491.4	461.6
62.5°	749.6	723.1	696.7	665.5	634.4	603.2	572.0	540.9	509.7	478.5	447.4
65°	748.5	721.1	693.6	660.9	628.2	595.6	562.9	530.2	497.5	464.9	432.2
67.5°	743.2	715.3	687.4	653.6	619.7	585.9	552.0	518.2	484.3	450.5	416.6
70°	733.2	705.1	676.9	642.3	607.6	573.0	538.3	503.7	469.0	434.4	399.7
72.5°	718.2	690.2	662.3	627.1	591.8	556.6	521.4	486.1	450.9	415.7	380.4
75°	696.7	669.1	641.5	606.4	571.3	536.1	501.0	465.9	430.8	395.6	360.5
77.5°	670.8	644.2	617.5	582.8	548.2	513.5	478.9	444.2	409.6	374.9	340.3
80°	641.2	615.3	589.3	555.5	521.6	487.8	453.9	420.1	386.2	352.4	318.5
82.5°	609.2	584.1	559.1	526.5	494.0	461.4	428.8	396.3	363.7	331.1	298.6
85°	579.1	555.0	530.9	499.1	467.4	435.6	403.9	372.1	340.4	308.6	276.9
87.5°	551.2	528.0	504.8	474.2	443.6	413.0	382.4	351.9	321.3	290.7	260.1
90°	529.3	507.1	485.0	455.2	425.4	395.6	365.8	336.1	306.3	276.5	246.7
92.5°	509.9	488.6	467.3	438.4	409.6	380.7	351.9	323.0	294.2	265.3	236.5
95°	491.8	471.2	450.6	422.6	394.5	366.5	338.4	310.4	282.3	254.3	226.2
97.5°	474.0	453.9	433.9	406.5	379.2	351.8	324.5	297.1	269.8	242.4	215.1
100°	455.4	435.8	416.2	389.7	363.1	336.6	310.0	283.5	256.9	230.4	203.8
102.5°	437.5	418.5	399.5	373.5	347.6	321.6	295.6	269.7	243.7	217.7	191.8
105°	419.0	400.4	381.7	356.6	331.4	306.3	281.1	256.0	230.8	205.7	180.5
107.5°	401.3	383.2	365.1	340.5	315.9	291.4	266.8	242.2	217.6	193.1	168.5
110°	383.2	365.8	348.4	324.5	300.6	276.8	252.9	229.0	205.1	181.3	157.4



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	364.0	347.3	330.6	307.4	284.2	261.1	237.9	214.7	191.5	168.4	145.2
115°	344.9	328.9	312.9	290.5	268.2	245.8	223.4	201.1	178.7	156.3	134.0
117.5°	324.9	309.5	294.1	272.7	251.2	229.8	208.4	186.9	165.5	144.1	122.6
120°	304.0	289.1	274.3	253.9	233.5	213.1	192.7	172.3	151.9	131.5	111.1
122.5°	280.8	266.1	251.4	232.4	213.4	194.4	175.4	156.3	137.3	118.3	99.3
125°	259.6	245.6	231.6	213.6	195.7	177.7	159.7	141.8	123.8	105.8	87.9
127.5°	238.6	225.1	211.7	194.9	178.1	161.3	144.5	127.7	110.9	94.1	77.3
130°	219.6	207.3	195.0	179.0	163.0	147.0	131.0	115.1	99.1	83.1	67.1
132.5°	197.4	185.8	174.2	159.5	144.8	130.0	115.3	100.6	85.9	71.1	56.4
135°	176.5	165.9	155.4	141.8	128.3	114.7	101.2	87.6	74.1	60.5	47.0
137.5°	156.9	147.3	137.7	125.2	112.7	100.1	87.6	75.1	62.6	50.0	37.5
140°	136.2	127.1	117.9	106.8	95.6	84.5	73.4	62.2	51.1	40.0	28.8
142.5°	117.6	109.4	101.2	91.3	81.5	71.6	61.8	51.9	42.1	32.2	22.4
145°	98.5	90.9	83.4	75.1	66.7	58.4	50.0	41.7	33.3	25.0	16.6
147.5°	80.2	73.5	66.8	60.1	53.4	46.6	39.9	33.2	26.5	19.7	13.0
150°	63.1	57.1	51.1	45.9	40.7	35.5	30.3	25.0	19.8	14.6	9.4
152.5°	46.7	41.6	36.5	32.8	29.1	25.4	21.7	17.9	14.2	10.5	6.8
155°	31.5	27.2	22.9	20.6	18.3	16.0	13.7	11.3	9.0	6.7	4.4
157.5°	19.8	16.7	13.6	12.2	10.8	9.4	8.0	6.6	5.2	3.8	2.4
160°	10.5	8.4	6.3	5.7	5.1	4.5	3.9	3.4	2.8	2.2	1.6
162.5°	5.0	4.0	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7	0.3
165°	1.7	1.4	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2	0.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9
175°	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	697.8	699.7	701.5	703.4	705.2	707.1	708.9	710.8	712.6	714.5	714.4
5°	689.4	691.8	694.3	696.7	699.1	701.6	704.0	706.4	708.9	711.3	712.1
7.5°	679.0	681.9	684.8	687.7	690.6	693.5	696.4	699.3	702.2	705.1	706.7
10°	668.6	671.8	675.1	678.3	681.6	684.8	688.1	691.3	694.6	697.8	700.2
12.5°	657.1	660.5	663.8	667.2	670.6	673.9	677.3	680.7	684.0	687.4	690.8
15°	644.6	648.0	651.3	654.7	658.0	661.4	664.7	668.1	671.4	674.8	679.2
17.5°	631.0	634.5	638.0	641.4	644.9	648.4	651.9	655.3	658.8	662.3	667.5
20°	618.5	621.6	624.8	627.9	631.0	634.2	637.3	640.4	643.6	646.7	653.1
22.5°	605.0	607.7	610.3	613.0	615.6	618.3	620.9	623.6	626.2	628.9	636.4
25°	592.4	594.4	596.4	598.3	600.3	602.3	604.3	606.2	608.2	610.2	618.8
27.5°	579.9	581.1	582.2	583.4	584.6	585.7	586.9	588.1	589.2	590.4	600.2
30°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	579.9
32.5°	559.1	557.5	555.9	554.2	552.6	551.0	549.4	547.7	546.1	544.5	557.5
35°	550.7	547.2	543.7	540.3	536.8	533.3	529.8	526.4	522.9	519.4	534.2
37.5°	541.3	536.1	530.9	525.7	520.5	515.2	510.0	504.8	499.6	494.4	511.1
40°	531.9	524.8	517.8	510.7	503.6	496.6	489.5	482.4	475.4	468.3	487.0
42.5°	521.5	512.7	503.9	495.1	486.3	477.4	468.6	459.8	451.0	442.2	462.8
45°	510.0	499.5	488.9	478.4	467.8	457.3	446.7	436.2	425.6	415.1	437.7
47.5°	498.6	486.1	473.6	461.0	448.5	436.0	423.5	410.9	398.4	385.9	410.6
50°	485.0	471.0	457.0	442.9	428.9	414.9	400.9	386.8	372.8	358.8	385.2
52.5°	472.5	456.6	440.7	424.9	409.0	393.1	377.2	361.4	345.5	329.6	358.0
55°	458.9	441.4	423.9	406.4	388.9	371.4	353.9	336.4	318.9	301.4	331.5
57.5°	445.4	426.4	407.4	388.4	369.4	350.3	331.3	312.3	293.3	274.3	305.9
60°	431.8	410.9	390.1	369.2	348.4	327.5	306.7	285.8	265.0	244.1	277.6
62.5°	416.2	393.9	371.7	349.4	327.2	304.9	282.7	260.4	238.2	215.9	250.7
65°	399.5	376.1	352.7	329.3	305.9	282.4	259.0	235.6	212.2	188.8	224.8
67.5°	382.8	358.3	333.9	309.4	285.0	260.5	236.1	211.6	187.2	162.7	199.8
70°	365.1	339.7	314.3	288.9	263.5	238.2	212.8	187.4	162.0	136.6	174.6
72.5°	345.2	319.2	293.3	267.3	241.4	215.4	189.5	163.5	137.6	111.6	150.3
75°	325.4	299.0	272.6	246.1	219.7	193.3	166.9	140.4	114.0	87.6	126.8
77.5°	305.6	278.9	252.3	225.6	199.0	172.3	145.7	119.0	92.4	65.7	105.1
80°	284.7	258.3	231.9	205.4	179.0	152.6	126.2	99.7	73.3	46.9	86.3
82.5°	266.0	239.7	213.4	187.1	160.8	134.4	108.1	81.8	55.5	29.2	68.1
85°	245.1	219.6	194.1	168.6	143.1	117.6	92.1	66.6	41.1	15.6	53.8
87.5°	229.5	204.6	179.7	154.7	129.8	104.9	80.0	55.0	30.1	5.2	42.5
90°	216.9	192.8	168.7	144.6	120.5	96.4	72.3	48.2	24.1	0.0	36.0
92.5°	207.6	184.5	161.5	138.4	115.3	92.3	69.2	46.1	23.1	0.0	34.5
95°	198.2	176.2	154.2	132.1	110.1	88.1	66.1	44.0	22.0	0.0	33.3
97.5°	187.7	166.8	146.0	125.1	104.3	83.4	62.6	41.7	20.9	0.0	31.8
100°	177.3	157.6	137.9	118.2	98.5	78.8	59.1	39.4	19.7	0.0	30.4
102.5°	165.8	147.4	129.0	110.5	92.1	73.7	55.3	36.8	18.4	0.0	28.5
105°	155.4	138.1	120.9	103.6	86.3	69.1	51.8	34.5	17.3	0.0	27.0
107.5°	143.9	127.9	111.9	95.9	79.9	64.0	48.0	32.0	16.0	0.0	25.5
110°	133.5	118.7	103.8	89.0	74.2	59.3	44.5	29.7	14.8	0.0	23.9



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	122.0	108.4	94.9	81.3	67.8	54.2	40.7	27.1	13.6	0.0	22.3
115°	111.6	99.2	86.8	74.4	62.0	49.6	37.2	24.8	12.4	0.0	20.4
117.5°	101.2	90.1	78.9	67.8	56.7	45.5	34.4	23.3	12.1	1.0	19.5
120°	90.7	80.7	70.8	60.8	50.8	40.9	30.9	20.9	11.0	1.0	17.8
122.5°	80.3	71.4	62.5	53.5	44.6	35.7	26.8	17.8	8.9	0.0	15.2
125°	69.9	62.2	54.6	46.9	39.3	31.6	24.0	16.3	8.7	1.0	14.2
127.5°	60.5	53.9	47.3	40.7	34.1	27.4	20.8	14.2	7.6	1.0	12.1
130°	51.1	45.5	40.0	34.4	28.8	23.3	17.7	12.1	6.6	1.0	10.0
132.5°	41.7	37.2	32.7	28.1	23.6	19.1	14.6	10.0	5.5	1.0	8.3
135°	33.4	29.8	26.2	22.6	19.0	15.4	11.8	8.2	4.6	1.0	6.7
137.5°	25.0	22.3	19.7	17.0	14.3	11.7	9.0	6.3	3.7	1.0	5.3
140°	17.7	15.8	14.0	12.1	10.3	8.4	6.6	4.7	2.9	1.0	4.0
142.5°	12.5	11.2	9.9	8.7	7.4	6.1	4.8	3.6	2.3	1.0	3.1
145°	8.3	7.5	6.7	5.9	5.1	4.2	3.4	2.6	1.8	1.0	2.5
147.5°	6.3	5.7	5.1	4.5	3.9	3.4	2.8	2.2	1.6	1.0	1.9
150°	4.2	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	1.7
152.5°	3.1	2.9	2.6	2.4	2.2	1.9	1.7	1.5	1.2	1.0	1.5
155°	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.2	1.1	1.0	1.2
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
162.5°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.0
165°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	0.9
167.5°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	0.9
170°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	0.9
172.5°	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.9	2.0	2.1	1.9
175°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	714.3	714.1	714.0	713.9	713.8	713.6	713.5	713.4	714.0	714.6	715.1
5°	712.9	713.7	714.5	715.4	716.2	717.0	717.8	718.6	719.9	721.2	722.4
7.5°	708.3	710.0	711.6	713.2	714.8	716.5	718.1	719.7	721.8	723.9	726.0
10°	702.7	705.1	707.5	710.0	712.4	714.8	717.3	719.7	722.7	725.7	728.7
12.5°	694.1	697.5	700.8	704.2	707.5	710.9	714.2	717.6	721.9	726.2	730.5
15°	683.6	688.0	692.4	696.9	701.3	705.7	710.1	714.5	720.2	725.9	731.5
17.5°	672.7	678.0	683.2	688.4	693.6	698.9	704.1	709.3	716.6	723.9	731.2
20°	659.4	665.8	672.2	678.5	684.9	691.3	697.6	704.0	713.3	722.6	731.8
22.5°	644.0	651.5	659.0	666.6	674.1	681.6	689.2	696.7	708.6	720.6	732.5
25°	627.4	635.9	644.5	653.1	661.7	670.2	678.8	687.4	702.0	716.6	731.2
27.5°	610.1	619.9	629.8	639.6	649.5	659.3	669.2	679.0	696.2	713.3	730.5
30°	591.2	602.6	613.9	625.3	636.6	648.0	659.3	670.7	690.2	709.6	729.1
32.5°	570.5	583.4	596.4	609.4	622.4	635.3	648.3	661.3	683.1	704.9	726.7
35°	549.1	563.9	578.7	593.6	608.4	623.2	638.1	652.9	676.7	700.4	724.2
37.5°	527.8	544.5	561.2	577.8	594.5	611.2	627.9	644.6	670.3	696.0	721.8
40°	505.6	524.3	542.9	561.6	580.2	598.9	617.5	636.2	663.9	691.6	719.3
42.5°	483.5	504.1	524.7	545.4	566.0	586.6	607.3	627.9	657.3	686.8	716.2
45°	460.3	482.9	505.5	528.1	550.7	573.3	595.9	618.5	649.7	680.9	712.0
47.5°	435.3	460.0	484.7	509.3	534.0	558.7	583.4	608.1	641.1	674.1	707.2
50°	411.6	438.1	464.5	490.9	517.3	543.8	570.2	596.6	631.3	665.9	700.6
52.5°	386.4	414.8	443.2	471.5	499.9	528.3	556.7	585.1	621.1	657.2	693.2
55°	361.7	391.8	421.9	452.1	482.2	512.3	542.5	572.6	610.3	647.9	685.6
57.5°	337.6	369.2	400.9	432.5	464.2	495.8	527.5	559.1	598.3	637.4	676.6
60°	311.1	344.6	378.1	411.5	445.0	478.5	512.0	545.5	586.2	626.9	667.5
62.5°	285.4	320.2	355.0	389.7	424.5	459.3	494.0	528.8	571.0	613.2	655.4
65°	260.9	296.9	333.0	369.0	405.1	441.1	477.2	513.2	556.7	600.1	643.6
67.5°	236.9	274.0	311.1	348.1	385.2	422.3	459.4	496.5	541.3	586.2	631.0
70°	212.6	250.6	288.6	326.7	364.7	402.7	440.7	478.7	524.6	570.5	616.4
72.5°	189.0	227.7	266.4	305.2	343.9	382.6	421.3	460.0	506.5	552.9	599.4
75°	166.0	205.1	244.3	283.5	322.7	361.8	401.0	440.2	487.1	534.1	581.0
77.5°	144.5	183.9	223.3	262.7	302.1	341.5	380.9	420.3	467.2	514.2	561.1
80°	125.7	165.1	204.5	244.0	283.4	322.8	362.2	401.6	448.1	494.5	541.0
82.5°	107.1	146.0	185.0	223.9	262.9	301.8	340.8	379.7	425.9	472.2	518.4
85°	92.1	130.3	168.6	206.8	245.1	283.3	321.6	359.8	405.4	450.9	496.5
87.5°	79.8	117.2	154.5	191.8	229.1	266.5	303.8	341.1	385.7	430.3	474.9
90°	72.1	108.1	144.2	180.2	216.3	252.3	288.4	324.4	368.1	411.8	455.5
92.5°	69.1	103.6	138.1	172.7	207.2	241.7	276.3	310.8	353.8	396.8	439.8
95°	66.5	99.8	133.0	166.3	199.5	232.8	266.0	299.3	341.5	383.7	425.9
97.5°	63.5	95.3	127.0	158.8	190.5	222.3	254.0	285.8	327.4	369.0	410.6
100°	60.7	91.1	121.5	151.8	182.2	212.6	242.9	273.3	314.2	355.1	396.0
102.5°	57.0	85.5	114.0	142.6	171.1	199.6	228.1	256.6	297.0	337.5	377.9
105°	54.0	81.0	108.0	135.0	162.0	189.0	216.0	243.0	282.5	322.0	361.6
107.5°	51.0	76.5	102.0	127.5	153.0	178.5	204.0	229.5	268.2	306.9	345.6
110°	47.8	71.6	95.5	119.4	143.3	167.1	191.0	214.9	252.7	290.5	328.2



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	44.5	66.8	89.0	111.3	133.5	155.8	178.0	200.3	236.9	273.5	310.2
115°	40.8	61.2	81.6	102.0	122.4	142.8	163.2	183.6	219.1	254.5	290.0
117.5°	38.1	56.6	75.2	93.7	112.3	130.8	149.4	167.9	202.2	236.5	270.8
120°	34.6	51.4	68.2	85.1	101.9	118.7	135.5	152.3	185.4	218.6	251.7
122.5°	30.4	45.5	60.7	75.9	91.1	106.2	121.4	136.6	168.4	200.1	231.9
125°	27.4	40.6	53.8	67.1	80.3	93.5	106.7	119.9	150.3	180.6	211.0
127.5°	23.3	34.4	45.5	56.7	67.8	78.9	90.1	101.2	129.8	158.4	187.1
130°	19.1	28.1	37.2	46.2	55.3	64.3	73.4	82.4	108.5	134.6	160.6
132.5°	15.6	22.9	30.2	37.6	44.9	52.2	59.5	66.8	90.2	113.6	137.0
135°	12.4	18.1	23.8	29.4	35.1	40.8	46.5	52.2	72.9	93.7	114.4
137.5°	9.6	13.9	18.2	22.4	26.7	31.0	35.3	39.6	58.0	76.5	94.9
140°	7.0	10.1	13.1	16.1	19.1	22.2	25.2	28.2	44.4	60.6	76.9
142.5°	5.2	7.3	9.4	11.4	13.5	15.6	17.7	19.8	33.7	47.6	61.5
145°	4.0	5.5	7.0	8.6	10.1	11.6	13.1	14.6	26.1	37.6	49.0
147.5°	2.9	3.8	4.7	5.7	6.6	7.5	8.5	9.4	18.9	28.4	37.9
150°	2.4	3.1	3.8	4.5	5.2	5.9	6.6	7.3	14.5	21.7	28.9
152.5°	1.9	2.4	2.9	3.3	3.8	4.3	4.7	5.2	10.4	15.6	20.9
155°	1.5	1.7	1.9	2.2	2.4	2.6	2.9	3.1	6.6	10.1	13.5
157.5°	1.2	1.4	1.5	1.6	1.7	1.9	2.0	2.1	4.2	6.3	8.4
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.2	3.3	4.5
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.7	2.1
165°	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.1	0.2	0.3
167.5°	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
170°	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
172.5°	1.6	1.4	1.2	0.9	0.7	0.5	0.2	0.0	0.0	0.0	0.0
175°	0.8	0.7	0.6	0.4	0.3	0.2	0.1	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	715.7	716.3	716.9	717.4	718.0	718.6	718.7	718.8	719.0	719.1	719.2
5°	723.7	725.0	726.3	727.5	728.8	730.1	730.7	731.3	731.8	732.4	733.0
7.5°	728.1	730.1	732.2	734.3	736.4	738.5	740.1	741.7	743.4	745.0	746.6
10°	731.7	734.8	737.8	740.8	743.8	746.8	749.5	752.1	754.8	757.5	760.1
12.5°	734.8	739.0	743.3	747.6	751.9	756.2	759.9	763.6	767.3	771.0	774.8
15°	737.2	742.9	748.6	754.2	759.9	765.6	770.5	775.3	780.2	785.1	789.9
17.5°	738.5	745.8	753.1	760.4	767.7	775.0	782.0	788.9	795.9	802.8	809.8
20°	741.1	750.4	759.7	768.9	778.2	787.5	796.1	804.7	813.2	821.8	830.4
22.5°	744.5	756.4	768.4	780.3	792.3	804.2	813.9	823.7	833.4	843.1	852.9
25°	745.8	760.4	775.0	789.6	804.2	818.8	829.8	840.8	851.8	862.8	873.9
27.5°	747.6	764.8	781.9	799.1	816.2	833.4	845.6	857.7	869.9	882.1	894.2
30°	748.6	768.0	787.5	807.0	826.4	845.9	859.2	872.5	885.9	899.2	912.5
32.5°	748.5	770.2	792.0	813.8	835.6	857.4	872.1	886.8	901.5	916.2	931.0
35°	748.0	771.7	795.5	819.3	843.0	866.8	883.0	899.2	915.5	931.7	947.9
37.5°	747.5	773.2	798.9	824.7	850.4	876.1	893.7	911.3	929.0	946.6	964.2
40°	747.0	774.7	802.4	830.1	857.8	885.5	904.4	923.3	942.2	961.1	979.9
42.5°	745.6	775.1	804.5	833.9	863.4	892.8	913.3	933.8	954.3	974.8	995.4
45°	743.2	774.4	805.6	836.7	867.9	899.1	921.1	943.1	965.2	987.2	1009.2
47.5°	740.2	773.2	806.2	839.3	872.3	905.3	929.1	952.8	976.6	1000.4	1024.1
50°	735.2	769.9	804.5	839.2	873.8	908.5	934.0	959.5	985.0	1010.5	1035.9
52.5°	729.3	765.3	801.4	837.4	873.5	909.5	937.0	964.4	991.9	1019.4	1046.8
55°	723.3	760.9	798.6	836.3	873.9	911.6	940.8	970.0	999.2	1028.4	1057.6
57.5°	715.8	754.9	794.1	833.3	872.4	911.6	942.4	973.3	1004.1	1034.9	1065.8
60°	708.2	748.9	789.6	830.2	870.9	911.6	943.8	976.0	1008.3	1040.5	1072.7
62.5°	697.6	739.7	781.9	824.1	866.3	908.5	942.0	975.5	1009.0	1042.5	1075.9
65°	687.0	730.5	773.9	817.4	860.8	904.3	939.0	973.6	1008.3	1042.9	1077.6
67.5°	675.9	720.7	765.6	810.4	855.3	900.1	935.5	970.8	1006.2	1041.5	1076.9
70°	662.3	708.2	754.1	800.0	845.9	891.8	927.7	963.6	999.6	1035.5	1071.4
72.5°	645.9	692.3	738.8	785.3	831.7	878.2	914.7	951.2	987.7	1024.2	1060.8
75°	627.9	674.9	721.8	768.7	815.7	862.6	899.3	936.1	972.8	1009.5	1046.3
77.5°	608.1	655.0	702.0	748.9	795.9	842.8	879.4	916.0	952.7	989.3	1025.9
80°	587.5	633.9	680.4	726.9	773.3	819.8	856.2	892.6	929.0	965.4	1001.7
82.5°	564.6	610.9	657.1	703.3	749.6	795.8	831.5	867.2	902.9	938.6	974.3
85°	542.0	587.6	633.1	678.7	724.2	769.8	805.0	840.2	875.5	910.7	945.9
87.5°	519.5	564.2	608.8	653.4	698.0	742.6	777.0	811.4	845.9	880.3	914.7
90°	499.2	542.8	586.5	630.2	673.9	717.6	751.1	784.6	818.1	851.6	885.0
92.5°	482.8	525.8	568.8	611.8	654.8	697.8	730.5	763.2	795.8	828.5	861.2
95°	468.1	510.2	552.4	594.6	636.8	679.0	711.2	743.4	775.7	807.9	840.1
97.5°	452.2	493.8	535.4	577.0	618.6	660.2	691.3	722.3	753.4	784.5	815.5
100°	436.9	477.9	518.8	559.7	600.6	641.5	671.9	702.2	732.6	762.9	793.3
102.5°	418.4	458.8	499.3	539.7	580.2	620.6	650.5	680.4	710.3	740.2	770.1
105°	401.1	440.6	480.1	519.7	559.2	598.7	628.1	657.6	687.0	716.4	745.9
107.5°	384.3	423.0	461.7	500.4	539.1	577.8	606.4	635.1	663.7	692.3	721.0
110°	366.0	403.8	441.6	479.3	517.1	554.9	582.9	611.0	639.0	667.1	695.1



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	346.8	383.4	420.0	456.7	493.3	529.9	557.2	584.6	611.9	639.3	666.6
115°	325.4	360.9	396.3	431.8	467.2	502.7	529.6	556.5	583.4	610.3	637.1
117.5°	305.1	339.5	373.8	408.1	442.4	476.7	502.7	528.6	554.6	580.5	606.5
120°	284.9	318.0	351.2	384.3	417.5	450.6	475.5	500.4	525.3	550.2	575.2
122.5°	263.6	295.4	327.1	358.9	390.6	422.4	446.4	470.4	494.4	518.4	542.3
125°	241.4	271.7	302.1	332.5	362.8	393.2	416.1	439.1	462.0	485.0	507.9
127.5°	215.7	244.3	272.9	301.6	330.2	358.8	381.2	403.5	425.9	448.3	470.6
130°	186.7	212.8	238.9	264.9	291.0	317.1	339.7	362.3	384.9	407.5	430.1
132.5°	160.4	183.8	207.2	230.6	254.0	277.4	299.8	322.1	344.5	366.9	389.2
135°	135.2	155.9	176.7	197.4	218.2	238.9	260.8	282.7	304.6	326.5	348.4
137.5°	113.3	131.8	150.2	168.6	187.1	205.5	225.9	246.3	266.7	287.1	307.4
140°	93.1	109.3	125.5	141.8	158.0	174.2	192.4	210.6	228.8	247.0	265.1
142.5°	75.4	89.4	103.3	117.2	131.1	145.0	161.0	177.0	193.0	209.0	224.9
145°	60.5	72.0	83.5	94.9	106.4	117.9	131.7	145.5	159.3	173.1	186.8
147.5°	47.4	56.9	66.4	75.9	85.4	94.9	106.5	118.1	129.7	141.3	152.8
150°	36.1	43.2	50.4	57.6	64.8	72.0	81.8	91.7	101.5	111.4	121.2
152.5°	26.1	31.3	36.5	41.8	47.0	52.2	60.3	68.4	76.5	84.6	92.8
155°	17.0	20.5	24.0	27.4	30.9	34.4	40.8	47.2	53.5	59.9	66.3
157.5°	10.5	12.5	14.6	16.7	18.8	20.9	25.6	30.4	35.1	39.9	44.6
160°	5.7	6.8	8.0	9.2	10.3	11.5	14.5	17.5	20.5	23.5	26.6
162.5°	2.4	2.8	3.1	3.5	3.8	4.2	5.9	7.7	9.4	11.1	12.9
165°	0.4	0.6	0.7	0.8	0.9	1.0	1.7	2.4	3.1	3.8	4.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0	704.0
2.5°	719.3	719.5	719.6	719.7	719.1	718.5	718.0	717.4	716.8	716.2	715.7
5°	733.6	734.1	734.7	735.3	735.4	735.5	735.7	735.8	735.9	736.0	736.2
7.5°	748.2	749.9	751.5	753.1	753.2	753.3	753.4	753.5	753.7	753.8	753.9
10°	762.8	765.5	768.1	770.8	771.1	771.5	771.8	772.2	772.5	772.9	773.2
12.5°	778.5	782.2	785.9	789.6	790.5	791.4	792.4	793.3	794.2	795.1	796.1
15°	794.8	799.7	804.5	809.4	811.4	813.3	815.3	817.3	819.2	821.2	823.2
17.5°	816.7	823.7	830.6	837.6	839.8	842.0	844.2	846.4	848.6	850.8	853.0
20°	839.0	847.5	856.1	864.7	867.5	870.3	873.0	875.8	878.6	881.4	884.1
22.5°	862.6	872.3	882.1	891.8	895.0	898.3	901.5	904.8	908.0	911.3	914.5
25°	884.9	895.9	906.9	917.9	921.5	925.1	928.7	932.3	935.8	939.4	943.0
27.5°	906.4	918.6	930.7	942.9	947.1	951.2	955.4	959.6	963.7	967.9	972.1
30°	925.8	939.2	952.5	965.8	970.7	975.6	980.4	985.3	990.2	995.1	999.9
32.5°	945.7	960.4	975.1	989.8	995.3	1000.7	1006.2	1011.6	1017.1	1022.5	1028.0
35°	964.1	980.4	996.6	1012.8	1018.9	1025.1	1031.2	1037.4	1043.5	1049.7	1055.8
37.5°	981.8	999.5	1017.1	1034.7	1041.5	1048.4	1055.2	1062.0	1068.9	1075.7	1082.5
40°	998.8	1017.7	1036.6	1055.5	1063.2	1070.8	1078.5	1086.1	1093.8	1101.4	1109.1
42.5°	1015.9	1036.4	1056.9	1077.4	1085.7	1094.1	1102.4	1110.8	1119.1	1127.5	1135.8
45°	1031.2	1053.3	1075.3	1097.3	1106.6	1115.8	1125.1	1134.4	1143.6	1152.9	1162.2
47.5°	1047.9	1071.7	1095.4	1119.2	1129.2	1139.1	1149.1	1159.1	1169.0	1179.0	1189.0
50°	1061.4	1086.9	1112.4	1137.9	1148.7	1159.5	1170.2	1181.0	1191.8	1202.6	1213.3
52.5°	1074.3	1101.8	1129.2	1156.7	1168.3	1179.9	1191.5	1203.1	1214.6	1226.2	1237.8
55°	1086.8	1116.0	1145.2	1174.4	1186.6	1198.8	1210.9	1223.1	1235.3	1247.5	1259.6
57.5°	1096.6	1127.4	1158.3	1189.1	1202.0	1214.8	1227.7	1240.5	1253.4	1266.2	1279.1
60°	1104.9	1137.2	1169.4	1201.6	1214.9	1228.2	1241.6	1254.9	1268.2	1281.5	1294.9
62.5°	1109.4	1142.9	1176.4	1209.9	1223.7	1237.5	1251.3	1265.1	1278.8	1292.6	1306.4
65°	1112.2	1146.9	1181.5	1216.2	1230.1	1244.0	1257.9	1271.8	1285.7	1299.6	1313.5
67.5°	1112.2	1147.6	1182.9	1218.3	1232.3	1246.3	1260.4	1274.4	1288.4	1302.4	1316.5
70°	1107.3	1143.3	1179.2	1215.1	1229.2	1243.4	1257.5	1271.7	1285.8	1300.0	1314.1
72.5°	1097.3	1133.8	1170.3	1206.8	1220.9	1235.1	1249.2	1263.3	1277.5	1291.6	1305.7
75°	1083.0	1119.7	1156.5	1193.2	1207.2	1221.2	1235.3	1249.3	1263.3	1277.3	1291.4
77.5°	1062.5	1099.2	1135.8	1172.4	1186.3	1200.2	1214.1	1228.0	1241.9	1255.8	1269.7
80°	1038.1	1074.5	1110.9	1147.3	1161.1	1174.9	1188.7	1202.5	1216.3	1230.1	1243.9
82.5°	1010.0	1045.7	1081.4	1117.1	1130.8	1144.5	1158.1	1171.8	1185.5	1199.2	1212.8
85°	981.1	1016.4	1051.6	1086.8	1100.1	1113.5	1126.8	1140.1	1153.5	1166.8	1180.1
87.5°	949.1	983.6	1018.0	1052.4	1065.6	1078.8	1092.0	1105.2	1118.5	1131.7	1144.9
90°	918.5	952.0	985.5	1019.0	1032.0	1045.0	1058.0	1071.0	1083.9	1096.9	1109.9
92.5°	893.9	926.5	959.2	991.9	1004.4	1016.9	1029.5	1042.0	1054.5	1067.0	1079.6
95°	872.3	904.6	936.8	969.0	980.8	992.6	1004.5	1016.3	1028.1	1039.9	1051.8
97.5°	846.6	877.7	908.7	939.8	951.6	963.4	975.3	987.1	998.9	1010.7	1022.6
100°	823.6	854.0	884.3	914.7	926.1	937.4	948.8	960.2	971.5	982.9	994.3
102.5°	800.0	829.9	859.8	889.7	900.7	911.7	922.7	933.7	944.8	955.8	966.8
105°	775.3	804.7	834.2	863.6	874.4	885.2	895.9	906.7	917.5	928.3	939.0
107.5°	749.6	778.2	806.9	835.5	846.2	856.8	867.5	878.1	888.8	899.4	910.1
110°	723.2	751.2	779.3	807.3	817.7	828.2	838.6	849.0	859.5	869.9	880.3



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	694.0	721.3	748.7	776.0	786.1	796.2	806.3	816.4	826.4	836.5	846.6
115°	664.0	690.9	717.8	744.7	754.4	764.2	773.9	783.6	793.4	803.1	812.8
117.5°	632.4	658.4	684.3	710.3	719.8	729.3	738.8	748.3	757.8	767.3	776.8
120°	600.1	625.0	649.9	674.8	684.1	693.4	702.6	711.9	721.2	730.5	739.7
122.5°	566.3	590.3	614.3	638.3	647.2	656.1	665.1	674.0	682.9	691.8	700.8
125°	530.9	553.8	576.8	599.7	608.4	617.1	625.8	634.5	643.2	651.9	660.6
127.5°	493.0	515.4	537.7	560.1	568.4	576.8	585.1	593.5	601.8	610.2	618.5
130°	452.7	475.3	497.9	520.5	528.4	536.3	544.1	552.0	559.9	567.8	575.6
132.5°	411.6	434.0	456.3	478.7	486.4	494.0	501.7	509.3	517.0	524.6	532.3
135°	370.3	392.2	414.1	436.0	443.3	450.6	457.9	465.2	472.5	479.8	487.1
137.5°	327.8	348.2	368.6	389.0	396.2	403.4	410.6	417.8	424.9	432.1	439.3
140°	283.3	301.5	319.7	337.9	345.4	353.0	360.5	368.0	375.6	383.1	390.6
142.5°	240.9	256.9	272.9	288.9	296.8	304.7	312.5	320.4	328.3	336.2	344.0
145°	200.6	214.4	228.2	242.0	250.3	258.7	267.0	275.4	283.7	292.1	300.4
147.5°	164.4	176.0	187.6	199.2	207.7	216.1	224.6	233.1	241.5	250.0	258.5
150°	131.1	140.9	150.8	160.6	168.5	176.4	184.3	192.2	200.0	207.9	215.8
152.5°	100.9	109.0	117.1	125.2	132.5	139.8	147.1	154.4	161.7	169.0	176.3
155°	72.7	79.0	85.4	91.8	98.5	105.2	112.0	118.7	125.4	132.1	138.9
157.5°	49.4	54.1	58.9	63.6	69.3	75.0	80.6	86.3	92.0	97.7	103.3
160°	29.6	32.6	35.6	38.6	43.1	47.6	52.2	56.7	61.2	65.7	70.3
162.5°	14.6	16.3	18.1	19.8	22.9	26.1	29.2	32.3	35.5	38.6	41.7
165°	5.2	5.9	6.6	7.3	9.2	11.0	12.9	14.7	16.6	18.4	20.3
167.5°	0.7	0.8	0.9	1.0	1.7	2.4	3.1	3.8	4.5	5.2	5.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	704.0	704.0
2.5°	715.1	714.5
5°	736.3	736.4
7.5°	754.0	754.1
10°	773.6	773.9
12.5°	797.0	797.9
15°	825.1	827.1
17.5°	855.2	857.4
20°	886.9	889.7
22.5°	917.8	921.0
25°	946.6	950.2
27.5°	976.2	980.4
30°	1004.8	1009.7
32.5°	1033.4	1038.9
35°	1062.0	1068.1
37.5°	1089.4	1096.2
40°	1116.7	1124.4
42.5°	1144.2	1152.5
45°	1171.4	1180.7
47.5°	1198.9	1208.9
50°	1224.1	1234.9
52.5°	1249.4	1261.0
55°	1271.8	1284.0
57.5°	1291.9	1304.8
60°	1308.2	1321.5
62.5°	1320.2	1334.0
65°	1327.4	1341.3
67.5°	1330.5	1344.5
70°	1328.3	1342.4
72.5°	1319.9	1334.0
75°	1305.4	1319.4
77.5°	1283.6	1297.5
80°	1257.7	1271.5
82.5°	1226.5	1240.2
85°	1193.5	1206.8
87.5°	1158.1	1171.3
90°	1122.9	1135.9
92.5°	1092.1	1104.6
95°	1063.6	1075.4
97.5°	1034.4	1046.2
100°	1005.6	1017.0
102.5°	977.8	988.8
105°	949.8	960.6
107.5°	920.7	931.4
110°	890.8	901.2



TEST NUMBER: P201356

CATALOG NUMBER: 4LBLED-LD4-6-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	856.7	866.8
115°	822.6	832.3
117.5°	786.3	795.8
120°	749.0	758.3
122.5°	709.7	718.6
125°	669.3	678.0
127.5°	626.9	635.2
130°	583.5	591.4
132.5°	539.9	547.6
135°	494.4	501.7
137.5°	446.5	453.7
140°	398.2	405.7
142.5°	351.9	359.8
145°	308.8	317.1
147.5°	266.9	275.4
150°	223.7	231.6
152.5°	183.6	190.9
155°	145.6	152.3
157.5°	109.0	114.7
160°	74.8	79.3
162.5°	44.9	48.0
165°	22.1	24.0
167.5°	6.6	7.3
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)