

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: PORTFOLIO

Report Number: P857869

Luminaire Tested: **LX4C35D010 EX4C359850 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C35D010 EX4C359850 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

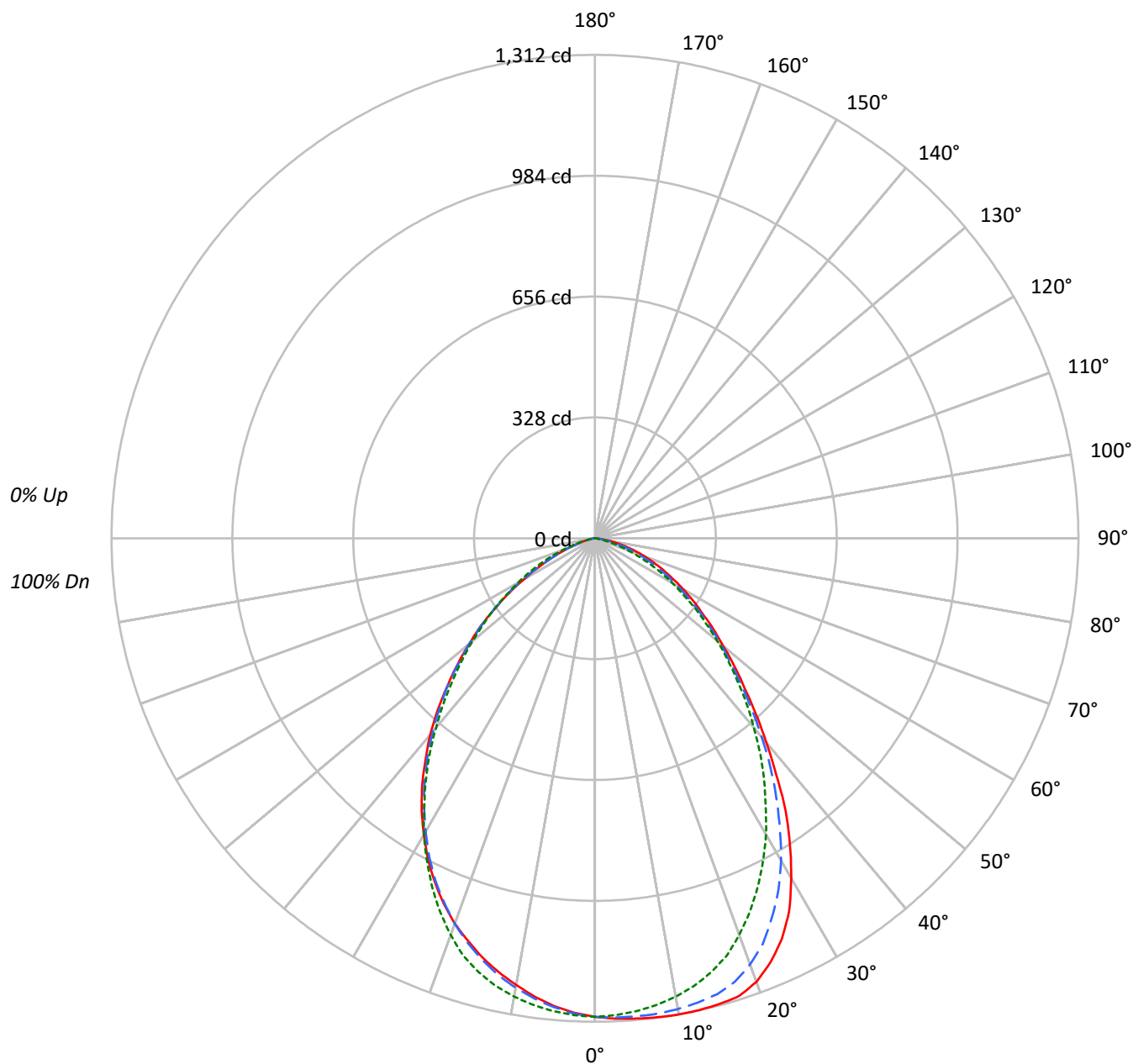
Lumens per Lamp: N/A
Luminaire Lumens: 2447.8 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
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: P857869

CATALOG NUMBER: LX4C35D010 EX4C359850 4LBLWWH

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			94
2	103	96	90	86	100	94	89	85		91	86	83			88	84	81			85
3	95	86	79	74	93	85	78	73		82	76	72			79	75	71			77
4	88	78	70	64	86	77	69	64		74	68	63			72	67	62			70
5	82	71	63	57	80	69	62	57		67	61	56			66	60	55			64
6	76	64	56	51	74	63	56	50		62	55	50			60	54	50			59
7	71	59	51	46	69	58	51	45		57	50	45			55	49	45			54
8	67	54	47	41	65	54	46	41		52	46	41			51	45	41			50
9	62	50	43	38	61	50	42	37		49	42	37			47	41	37			47
10	59	47	39	34	58	46	39	34		45	39	34			44	38	34			43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	159574	159574	159574
5°	161355	158889	157163
10°	163720	157545	153566
15°	166412	155029	149890
20°	167462	149760	145446
25°	162651	141667	139498
30°	151151	131673	131744
35°	135324	120026	122576
40°	115854	107595	111524
45°	99727	94863	98424
50°	86695	82586	85089
55°	76294	71046	70404
60°	67889	59289	54621
65°	59535	47500	39506
70°	51150	33585	26760
75°	41486	19414	15664
80°	29714	8419	7782
85°	11277	3524	3524



TEST NUMBER: P857869

CATALOG NUMBER: LX4C35D010 EX4C359850 4LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	5.0
10°-20°	346.5	14.2
20°-30°	494.8	20.2
30°-40°	517.6	21.1
40°-50°	433.7	17.7
50°-60°	303.5	12.4
60°-70°	165.3	6.8
70°-80°	57.4	2.3
80°-90°	6.6	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	963.7	39.4
0°-40°	1481.3	60.5
0°-60°	2218.6	90.6
0°-90°	2447.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2447.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1299	1299	1299	1299	1299	
5°	1308	1302	1288	1277	1274	125
15°	1308	1281	1219	1184	1178	369
25°	1200	1136	1045	1025	1029	548
35°	902	858	800	806	817	559
45°	574	561	546	564	566	446
55°	356	344	332	332	329	322
65°	205	187	163	137	136	204
75°	87	71	41	33	33	94
85°	8	4	2	2	2	14
90°	0	0	0	0	0	



TEST NUMBER: P857869

CATALOG NUMBER: LX4C35D010 EX4C359850 4LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9
2.5°	1304.9	1303.4	1303.9	1303.9	1303.9	1303.4	1303.9	1303.4	1303.4	1302.8	1301.9
5°	1308.4	1307.4	1307.4	1307.4	1306.8	1306.4	1306.4	1305.9	1304.9	1304.4	1302.4
7.5°	1310.9	1309.9	1309.9	1309.3	1308.9	1308.4	1307.8	1306.4	1304.9	1303.9	1301.4
10°	1312.4	1310.9	1310.9	1309.9	1308.9	1308.4	1307.4	1305.3	1303.4	1300.9	1297.4
12.5°	1311.4	1309.9	1309.3	1308.4	1306.4	1305.3	1304.4	1301.9	1298.4	1294.9	1290.4
15°	1308.4	1307.4	1306.4	1304.9	1302.4	1300.9	1299.9	1295.9	1291.4	1286.4	1280.9
17.5°	1302.4	1300.9	1298.9	1296.9	1293.4	1291.9	1289.4	1284.4	1277.9	1270.9	1262.4
20°	1280.9	1279.9	1277.9	1274.4	1268.9	1266.9	1263.4	1256.9	1248.4	1240.0	1231.0
22.5°	1245.4	1243.9	1240.9	1237.9	1232.9	1229.4	1226.4	1217.4	1208.0	1198.9	1190.5
25°	1199.9	1198.5	1194.5	1190.5	1185.5	1179.5	1176.5	1169.5	1160.0	1148.5	1136.0
27.5°	1141.5	1136.5	1135.0	1130.6	1123.1	1121.0	1116.5	1107.5	1098.5	1088.5	1078.0
30°	1065.5	1065.5	1062.6	1060.5	1053.6	1051.6	1046.6	1037.1	1032.1	1018.1	1010.2
32.5°	985.1	984.1	981.6	980.1	976.2	972.6	967.6	962.6	951.7	944.7	933.7
35°	902.3	896.2	897.2	894.2	891.7	887.7	887.2	881.8	871.8	867.8	857.8
37.5°	807.8	805.3	808.8	804.3	801.8	802.3	798.3	794.8	790.8	783.8	781.8
40°	722.4	724.4	723.9	719.9	721.9	719.4	715.4	711.9	709.9	705.4	703.9
42.5°	646.0	642.9	642.0	642.0	642.4	642.4	640.4	638.0	638.0	633.5	628.9
45°	574.0	574.0	573.0	576.0	571.5	571.5	570.0	569.5	567.5	566.5	561.0
47.5°	512.0	511.6	511.1	510.5	510.1	510.1	507.0	504.5	504.1	501.1	498.0
50°	453.6	456.6	455.6	453.1	452.1	452.6	450.6	449.1	448.6	443.6	444.1
52.5°	404.7	404.1	405.1	403.7	401.2	401.6	399.7	397.6	395.7	393.2	391.1
55°	356.2	358.7	357.7	356.2	355.7	354.7	353.2	350.7	350.2	344.7	344.2
57.5°	315.8	315.2	314.2	311.8	311.2	309.7	309.7	307.7	304.7	301.8	299.3
60°	276.3	276.3	274.7	274.3	272.2	271.8	271.3	269.3	265.7	263.2	259.3
62.5°	238.3	239.3	238.3	236.8	235.3	233.3	232.3	230.8	227.8	225.3	221.8
65°	204.8	204.3	203.9	201.8	201.4	199.3	198.9	195.8	192.8	190.8	186.8
67.5°	172.8	171.4	171.4	170.3	169.3	167.8	166.8	163.9	160.3	158.4	154.4
70°	142.4	141.3	141.3	141.3	138.8	137.4	136.9	135.4	130.4	128.4	124.4
72.5°	114.4	113.9	113.4	111.9	110.4	110.4	108.4	105.4	102.9	100.4	97.4
75°	87.4	88.5	87.4	85.4	84.9	83.9	82.4	79.9	77.4	74.5	71.0
77.5°	63.9	63.0	62.0	62.0	60.9	58.9	58.4	56.4	53.4	51.5	48.0
80°	42.0	41.5	40.5	39.5	39.0	38.4	38.0	35.9	33.0	31.5	28.4
82.5°	23.0	22.5	22.5	21.9	20.5	20.5	20.0	18.0	16.5	15.5	14.0
85°	8.0	8.0	8.0	7.5	7.5	7.5	7.0	6.5	6.0	5.5	4.5
87.5°	1.0	0.5	1.0	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P857869

CATALOG NUMBER: LX4C35D010 EX4C359850 4LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9
2.5°	1300.9	1299.9	1299.4	1298.9	1298.4	1297.8	1297.4	1296.4	1295.9	1295.3	1294.4
5°	1300.9	1298.9	1297.8	1296.4	1295.3	1294.4	1292.8	1291.4	1289.9	1288.4	1286.9
7.5°	1298.9	1295.9	1293.9	1290.9	1289.9	1288.4	1285.4	1283.4	1280.9	1277.9	1274.4
10°	1293.9	1290.4	1286.4	1282.4	1280.9	1278.4	1274.4	1270.9	1266.9	1262.9	1259.4
12.5°	1285.9	1280.4	1275.4	1269.9	1266.9	1264.4	1258.9	1253.9	1248.9	1244.4	1238.5
15°	1273.9	1267.4	1260.9	1253.4	1250.0	1246.9	1238.9	1232.9	1225.0	1218.9	1212.9
17.5°	1254.4	1244.4	1236.4	1226.9	1222.0	1218.5	1211.4	1202.0	1194.5	1188.0	1181.0
20°	1221.0	1211.4	1200.5	1189.9	1184.5	1180.0	1170.0	1160.0	1152.5	1145.5	1138.0
22.5°	1177.0	1165.0	1157.0	1144.0	1139.6	1134.0	1122.0	1113.1	1104.5	1097.6	1090.6
25°	1123.5	1113.1	1102.0	1090.1	1084.5	1078.0	1068.0	1058.6	1053.1	1045.1	1036.6
27.5°	1062.1	1053.6	1040.1	1029.6	1024.1	1019.1	1009.6	1001.2	993.1	987.6	979.7
30°	997.1	987.2	975.1	964.2	961.2	955.1	946.7	940.2	931.7	928.2	924.7
32.5°	925.7	914.2	905.2	898.3	892.2	887.2	882.7	872.2	870.8	861.8	860.8
35°	847.8	842.8	834.3	828.2	823.3	819.8	812.3	807.3	801.8	800.3	796.8
37.5°	774.3	768.3	760.4	754.9	751.4	750.8	745.3	742.4	738.4	736.4	732.4
40°	697.4	694.9	687.9	686.9	681.4	680.9	677.9	674.4	670.9	670.9	671.4
42.5°	626.4	623.5	620.5	617.0	614.0	614.0	612.4	611.5	610.5	609.0	611.5
45°	560.0	556.0	554.0	550.6	552.0	549.0	548.1	548.1	546.5	546.0	549.5
47.5°	498.0	493.6	491.6	490.5	490.5	491.1	486.6	488.1	487.6	488.6	490.1
50°	441.6	437.6	434.6	434.6	435.1	433.1	431.2	432.6	431.2	432.1	435.6
52.5°	389.2	385.1	383.6	383.6	380.7	380.1	381.1	379.2	379.7	380.1	382.2
55°	340.7	338.2	335.7	333.2	333.7	332.7	330.7	330.2	331.2	331.7	334.2
57.5°	297.2	293.7	290.3	289.3	288.2	288.2	285.7	285.3	286.2	283.8	283.8
60°	255.8	253.8	249.2	247.8	247.8	245.3	243.3	244.2	241.8	241.3	241.8
62.5°	217.3	215.8	212.9	209.8	208.8	207.9	205.3	204.3	203.3	201.4	198.3
65°	183.9	180.3	176.8	174.9	173.4	170.9	169.3	167.4	164.3	163.4	160.3
67.5°	150.3	146.9	143.4	141.9	140.4	138.8	136.3	133.9	130.4	126.4	122.9
70°	120.9	116.4	114.4	110.4	109.4	107.4	103.9	101.4	97.9	93.5	89.9
72.5°	92.4	89.4	86.4	82.9	80.4	78.9	76.0	72.0	68.0	65.5	62.0
75°	66.4	64.9	60.9	57.0	55.9	54.0	50.5	48.0	44.9	40.9	38.0
77.5°	44.9	42.0	39.5	35.9	35.0	33.0	30.9	28.4	26.5	24.0	21.9
80°	26.5	24.0	22.5	20.0	19.0	18.0	16.5	14.4	13.0	11.9	11.5
82.5°	13.0	11.0	10.5	9.0	8.5	8.0	7.0	6.5	5.5	5.5	5.5
85°	4.5	3.5	3.5	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P857869

CATALOG NUMBER: LX4C35D010 EX4C359850 4LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9
2.5°	1293.9	1293.4	1292.8	1292.4	1292.4	1291.9	1291.9	1291.4	1291.4	1290.9	1290.9
5°	1284.9	1283.4	1282.4	1281.4	1281.4	1279.9	1278.9	1277.9	1277.4	1277.4	1276.4
7.5°	1272.4	1270.4	1268.4	1266.9	1266.4	1263.9	1261.9	1261.9	1259.9	1258.9	1257.9
10°	1255.9	1252.5	1249.4	1247.9	1245.9	1244.4	1241.9	1240.4	1238.9	1236.4	1236.0
12.5°	1233.5	1231.0	1226.4	1224.5	1223.5	1220.4	1216.4	1214.5	1213.9	1212.0	1210.5
15°	1208.0	1202.4	1198.5	1196.0	1196.0	1191.0	1189.0	1186.0	1184.0	1182.4	1182.0
17.5°	1175.0	1169.5	1165.5	1162.0	1161.0	1157.0	1154.0	1153.0	1150.5	1151.5	1149.0
20°	1132.5	1128.1	1125.0	1120.6	1120.6	1118.1	1117.0	1114.5	1113.5	1112.5	1113.5
22.5°	1087.0	1081.6	1076.6	1076.1	1076.1	1072.6	1072.1	1071.6	1069.6	1071.1	1070.5
25°	1033.6	1029.6	1026.6	1026.1	1026.1	1024.1	1022.1	1023.1	1024.6	1024.1	1025.6
27.5°	978.2	974.1	973.2	972.6	971.6	971.2	972.2	972.2	973.7	975.7	977.6
30°	918.2	917.2	915.7	915.2	914.2	916.7	917.7	919.2	918.7	921.7	923.7
32.5°	858.3	856.3	855.8	856.8	858.3	857.8	860.8	861.8	862.8	866.2	867.8
35°	797.8	797.3	796.3	796.3	796.8	800.8	800.8	804.3	806.3	807.3	811.3
37.5°	732.8	734.9	735.9	737.4	737.8	739.3	740.3	743.9	745.9	747.8	749.9
40°	673.4	672.5	676.9	673.9	675.0	679.4	681.4	680.9	683.9	686.9	688.9
42.5°	610.0	611.5	612.4	613.4	615.9	616.5	619.0	622.4	623.5	627.0	628.0
45°	548.5	549.0	551.0	553.1	554.5	558.5	559.5	561.0	564.0	564.0	565.5
47.5°	490.5	492.6	492.6	495.5	498.0	497.6	501.1	502.1	501.6	504.1	505.1
50°	435.1	438.1	437.6	439.6	440.6	441.1	444.1	445.2	443.1	445.6	446.1
52.5°	382.2	383.6	385.7	386.1	385.1	387.6	386.7	388.6	388.2	390.1	388.2
55°	333.7	333.2	333.2	334.2	333.2	334.2	335.2	333.2	331.7	333.7	333.2
57.5°	285.3	285.3	284.3	285.7	284.3	282.8	282.2	280.7	279.3	279.3	278.8
60°	239.8	238.8	236.8	236.3	236.3	233.8	232.8	230.8	230.8	228.8	226.8
62.5°	197.3	194.8	193.3	193.3	192.3	189.9	185.3	182.4	181.4	178.3	177.8
65°	157.4	154.9	153.4	150.3	147.9	146.9	142.4	138.8	137.4	134.4	134.9
67.5°	120.9	116.9	112.4	110.4	108.9	105.4	103.9	101.4	99.9	99.9	99.9
70°	86.9	83.5	78.9	77.4	76.4	73.5	72.0	71.4	72.9	72.4	72.9
72.5°	58.4	54.9	53.0	52.0	50.9	49.5	50.5	50.9	49.9	50.5	50.9
75°	35.5	34.5	33.0	32.5	32.5	33.0	32.5	32.5	33.0	33.0	33.4
77.5°	20.5	19.4	19.4	19.0	20.0	19.4	19.4	19.4	20.0	20.0	20.0
80°	11.0	11.0	11.0	11.0	11.5	11.0	11.5	11.5	11.5	11.5	11.5
82.5°	5.5	5.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.5	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P857869

CATALOG NUMBER: LX4C35D010 EX4C359850 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9	1298.9
2.5°	1289.9	1289.9	1289.9	1288.9	1289.4	1289.4	1288.9	1288.9
5°	1275.9	1275.4	1274.4	1274.4	1273.4	1274.4	1273.9	1274.4
7.5°	1256.9	1256.9	1255.4	1255.4	1254.9	1254.4	1253.9	1254.4
10°	1234.4	1234.4	1233.5	1232.9	1233.5	1231.4	1231.4	1231.0
12.5°	1209.5	1208.5	1207.4	1208.0	1207.4	1206.0	1205.5	1206.0
15°	1180.5	1179.0	1179.5	1178.0	1178.0	1177.5	1178.5	1178.5
17.5°	1148.5	1147.5	1146.5	1147.0	1146.0	1146.5	1146.0	1145.5
20°	1113.1	1112.5	1112.5	1110.6	1111.0	1110.6	1111.0	1112.5
22.5°	1072.1	1071.6	1072.1	1070.5	1071.6	1071.6	1073.0	1073.0
25°	1027.1	1026.6	1027.6	1028.1	1028.6	1030.1	1028.6	1029.1
27.5°	977.2	978.7	980.1	980.6	982.6	981.2	980.1	981.6
30°	926.7	926.7	926.2	928.2	929.7	931.2	928.7	928.7
32.5°	868.7	871.2	871.2	871.8	873.3	873.3	873.3	875.2
35°	813.3	814.8	815.3	813.3	814.3	813.8	817.3	817.3
37.5°	751.4	751.4	751.8	755.3	755.3	753.9	754.9	754.9
40°	692.4	692.9	690.9	691.9	694.4	693.4	694.4	695.4
42.5°	628.0	631.4	629.5	630.5	629.9	630.5	631.0	631.0
45°	566.5	567.5	567.5	568.0	569.0	570.0	567.0	566.5
47.5°	506.6	507.0	508.6	506.1	509.1	506.1	509.1	505.5
50°	446.1	448.1	446.6	447.7	446.1	446.1	445.6	445.2
52.5°	388.6	388.2	388.2	387.6	387.6	388.6	387.6	389.2
55°	331.2	331.7	330.7	330.2	329.7	331.2	329.7	328.7
57.5°	276.8	277.8	275.7	276.8	273.2	274.7	275.3	275.7
60°	226.3	224.8	224.8	222.8	222.8	224.3	222.3	222.3
62.5°	175.3	176.4	174.9	176.8	176.8	178.9	177.8	178.9
65°	134.4	134.9	135.4	135.4	135.4	138.4	137.4	135.9
67.5°	101.4	101.9	102.4	101.9	103.4	102.4	102.4	102.9
70°	73.5	73.9	74.5	74.5	73.9	74.5	74.5	74.5
72.5°	50.9	51.5	50.9	51.5	52.0	51.5	51.5	52.0
75°	33.4	33.4	33.0	33.0	33.0	33.0	33.4	33.0
77.5°	19.4	20.0	19.4	20.0	20.0	20.0	20.0	20.0
80°	11.5	11.5	11.5	11.0	11.5	11.5	11.5	11.0
82.5°	6.0	6.0	5.5	5.5	6.0	6.0	6.0	6.0
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - 90°-270°













(END OF REPORT)