

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: P857843

Luminaire Tested: **LX4C35D010 EX4C359835 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857843
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 EX4C359835 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

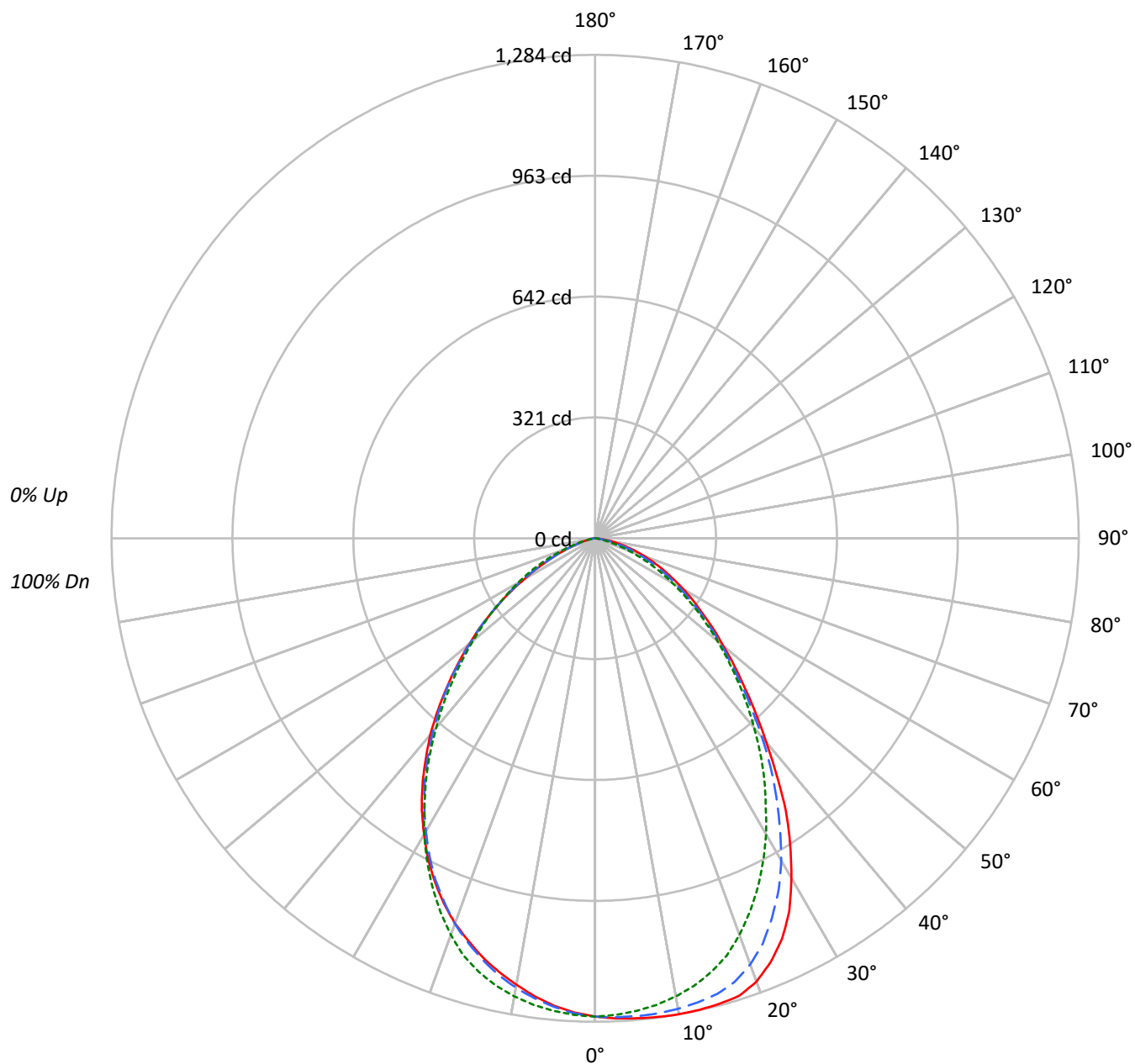
Lumens per Lamp: N/A
Luminaire Lumens: 2394.3 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101	108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	96	90	86	100	94	89	85		91	86	83		88	84	81		85	82	79
3	95	86	79	74	93	85	78	73		82	76	72		79	75	71		77	73	70
4	88	78	70	64	86	77	69	64		74	68	63		72	67	62		70	65	62
5	82	71	63	57	80	69	62	57		67	61	56		66	60	55		64	59	55
6	76	64	56	51	74	63	56	50		62	55	50		60	54	50		59	53	49
7	71	59	51	46	69	58	51	45		57	50	45		55	49	45		54	49	44
8	67	54	47	41	65	54	46	41		52	46	41		51	45	41		50	45	40
9	62	50	43	38	61	50	42	37		49	42	37		47	41	37		47	41	37
10	59	47	39	34	58	46	39	34		45	39	34		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	156085	156085	156085
5°	157816	155411	153734
10°	160140	154102	150197
15°	162762	151645	146621
20°	163802	146492	142269
25°	159100	138577	136448
30°	147860	128794	128865
35°	132354	117417	119891
40°	113320	105237	109086
45°	97538	92795	96270
50°	84803	80789	83197
55°	74623	69504	68883
60°	66390	57987	53417
65°	58255	46453	38634
70°	50036	32831	26150
75°	40584	18987	15332
80°	29007	8348	7641
85°	10995	3383	3383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	5.0
10°-20°	338.9	14.2
20°-30°	484.0	20.2
30°-40°	506.3	21.1
40°-50°	424.2	17.7
50°-60°	296.9	12.4
60°-70°	161.7	6.8
70°-80°	56.1	2.3
80°-90°	6.4	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°	942.7	39.4
0°-40°	1449.0	60.5
0°-60°	2170.1	90.6
0°-90°	2394.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2394.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1270	1270	1270	1270	1270	
5°	1280	1274	1260	1250	1247	122
15°	1280	1253	1192	1158	1153	361
25°	1174	1111	1022	1002	1007	536
35°	882	839	783	789	799	547
45°	561	549	534	552	554	437
55°	348	337	324	324	322	315
65°	200	183	160	134	133	200
75°	86	69	40	32	32	92
85°	8	4	2	2	2	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5
2.5°	1276.4	1274.9	1275.4	1275.4	1275.4	1274.9	1275.4	1274.9	1274.9	1274.4	1273.4
5°	1279.7	1278.8	1278.8	1278.8	1278.3	1277.8	1277.8	1277.3	1276.4	1275.9	1273.9
7.5°	1282.2	1281.3	1281.3	1280.7	1280.3	1279.7	1279.3	1277.8	1276.4	1275.4	1273.0
10°	1283.7	1282.2	1282.2	1281.3	1280.3	1279.7	1278.8	1276.9	1274.9	1272.4	1269.0
12.5°	1282.7	1281.3	1280.7	1279.7	1277.8	1276.9	1275.9	1273.4	1270.0	1266.5	1262.2
15°	1279.7	1278.8	1277.8	1276.4	1273.9	1272.4	1271.4	1267.5	1263.2	1258.2	1252.9
17.5°	1273.9	1272.4	1270.5	1268.5	1265.1	1263.7	1261.2	1256.3	1250.0	1243.1	1234.8
20°	1252.9	1251.9	1250.0	1246.6	1241.1	1239.3	1235.8	1229.4	1221.2	1212.9	1204.0
22.5°	1218.2	1216.7	1213.8	1210.9	1206.0	1202.6	1199.7	1190.8	1181.6	1172.7	1164.4
25°	1173.7	1172.3	1168.4	1164.4	1159.5	1153.7	1150.8	1143.9	1134.7	1123.4	1111.2
27.5°	1116.5	1111.6	1110.2	1105.8	1098.4	1096.5	1092.1	1083.4	1074.5	1064.7	1054.5
30°	1042.3	1042.3	1039.3	1037.4	1030.6	1028.6	1023.7	1014.4	1009.5	995.9	988.0
32.5°	963.6	962.6	960.2	958.7	954.8	951.4	946.5	941.6	930.9	924.0	913.3
35°	882.5	876.7	877.7	874.7	872.2	868.3	867.8	862.5	852.7	848.8	839.0
37.5°	790.2	787.7	791.2	786.7	784.3	784.7	780.9	777.4	773.5	766.7	764.8
40°	706.6	708.6	708.0	704.1	706.1	703.7	699.7	696.4	694.4	689.9	688.5
42.5°	631.8	628.9	627.9	627.9	628.4	628.4	626.4	624.0	624.0	619.6	615.2
45°	561.4	561.4	560.5	563.4	559.0	559.0	557.5	557.1	555.1	554.1	548.8
47.5°	500.9	500.4	499.9	499.4	498.9	498.9	496.0	493.6	493.0	490.1	487.2
50°	443.7	446.6	445.7	443.2	442.2	442.7	440.8	439.3	438.8	433.9	434.4
52.5°	395.8	395.3	396.3	394.9	392.4	392.9	390.9	389.0	387.0	384.6	382.6
55°	348.4	350.8	349.8	348.4	348.0	347.0	345.5	343.1	342.5	337.2	336.7
57.5°	308.8	308.4	307.4	304.9	304.4	302.9	302.9	301.1	298.1	295.2	292.7
60°	270.2	270.2	268.8	268.2	266.3	265.8	265.3	263.4	259.9	257.5	253.6
62.5°	233.1	234.1	233.1	231.6	230.2	228.2	227.2	225.8	222.8	220.3	217.0
65°	200.4	199.8	199.4	197.4	196.9	194.9	194.5	191.5	188.6	186.6	182.7
67.5°	169.1	167.6	167.6	166.7	165.7	164.2	163.2	160.2	156.9	154.9	151.0
70°	139.3	138.3	138.3	138.3	135.8	134.4	133.9	132.4	127.5	125.6	121.6
72.5°	111.9	111.4	110.9	109.4	108.0	108.0	106.0	103.1	100.7	98.2	95.3
75°	85.5	86.5	85.5	83.6	83.1	82.1	80.6	78.2	75.7	72.8	69.4
77.5°	62.5	61.5	60.5	60.5	59.7	57.7	57.2	55.2	52.3	50.3	46.9
80°	41.0	40.6	39.6	38.6	38.1	37.6	37.1	35.2	32.3	30.8	27.8
82.5°	22.5	22.0	22.0	21.5	20.1	20.1	19.5	17.6	16.1	15.2	13.6
85°	7.8	7.8	7.8	7.3	7.3	7.3	6.9	6.3	5.9	5.4	4.4
87.5°	1.0	0.4	1.0	0.4	1.0	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5
2.5°	1272.4	1271.4	1271.0	1270.5	1270.0	1269.5	1269.0	1268.1	1267.5	1267.1	1266.1
5°	1272.4	1270.5	1269.5	1268.1	1267.1	1266.1	1264.7	1263.2	1261.7	1260.2	1258.8
7.5°	1270.5	1267.5	1265.6	1262.7	1261.7	1260.2	1257.3	1255.3	1252.9	1250.0	1246.6
10°	1265.6	1262.2	1258.2	1254.3	1252.9	1250.5	1246.6	1243.1	1239.3	1235.3	1231.9
12.5°	1257.8	1252.5	1247.5	1242.1	1239.3	1236.8	1231.4	1226.5	1221.6	1217.2	1211.3
15°	1246.0	1239.7	1233.4	1226.1	1222.6	1219.6	1211.9	1206.0	1198.1	1192.3	1186.5
17.5°	1227.0	1217.2	1209.4	1200.1	1195.2	1191.8	1184.9	1175.7	1168.4	1162.0	1155.2
20°	1194.2	1184.9	1174.2	1164.0	1158.6	1154.2	1144.4	1134.7	1127.3	1120.5	1113.2
22.5°	1151.2	1139.6	1131.7	1119.0	1114.6	1109.2	1097.5	1088.7	1080.4	1073.6	1066.7
25°	1099.0	1088.7	1077.9	1066.3	1060.8	1054.5	1044.8	1035.5	1030.1	1022.3	1013.9
27.5°	1038.9	1030.6	1017.4	1007.1	1001.7	996.9	987.6	979.2	971.5	966.0	958.3
30°	975.4	965.6	953.8	943.1	940.2	934.3	926.0	919.7	911.4	907.9	904.5
32.5°	905.5	894.2	885.4	878.6	872.7	867.8	863.5	853.2	851.7	843.0	842.0
35°	829.2	824.3	816.0	810.1	805.3	801.9	794.5	789.6	784.3	782.9	779.4
37.5°	757.4	751.6	743.7	738.4	734.9	734.4	729.1	726.1	722.2	720.3	716.3
40°	682.2	679.7	672.9	671.9	666.5	666.0	663.1	659.7	656.2	656.2	656.8
42.5°	612.8	609.9	606.9	603.4	600.6	600.6	599.1	598.1	597.1	595.7	598.1
45°	547.8	543.9	541.9	538.5	539.9	537.0	536.0	536.0	534.6	534.1	537.5
47.5°	487.2	482.8	480.8	479.8	479.8	480.4	475.9	477.4	476.9	477.9	479.4
50°	432.0	428.0	425.1	425.1	425.6	423.7	421.7	423.1	421.7	422.7	426.1
52.5°	380.7	376.8	375.2	375.2	372.4	371.9	372.8	370.9	371.4	371.9	373.8
55°	333.2	330.8	328.3	325.9	326.4	325.4	323.5	323.0	324.0	324.5	326.9
57.5°	290.7	287.3	283.9	282.9	282.0	282.0	279.5	279.0	280.0	277.5	277.5
60°	250.2	248.3	243.8	242.4	242.4	240.0	238.0	239.0	236.5	236.0	236.5
62.5°	212.6	211.1	208.1	205.2	204.3	203.3	200.8	199.8	198.9	196.9	194.0
65°	179.9	176.4	173.0	171.0	169.5	167.1	165.7	163.7	160.8	159.8	156.9
67.5°	147.0	143.7	140.3	138.8	137.3	135.8	133.4	131.0	127.5	123.6	120.2
70°	118.2	113.9	111.9	108.0	107.0	105.0	101.7	99.2	95.8	91.4	87.9
72.5°	90.4	87.5	84.5	81.1	78.7	77.2	74.3	70.4	66.4	64.0	60.5
75°	65.0	63.5	59.7	55.7	54.8	52.8	49.3	46.9	44.0	40.0	37.1
77.5°	44.0	41.0	38.6	35.2	34.2	32.3	30.3	27.8	25.9	23.5	21.5
80°	25.9	23.5	22.0	19.5	18.5	17.6	16.1	14.2	12.7	11.8	11.2
82.5°	12.7	10.8	10.3	8.8	8.3	7.8	6.9	6.3	5.4	5.4	5.4
85°	4.4	3.4	3.4	2.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5
2.5°	1265.6	1265.1	1264.7	1264.1	1264.1	1263.7	1263.7	1263.2	1263.2	1262.7	1262.7
5°	1256.8	1255.3	1254.3	1253.3	1253.3	1251.9	1250.9	1250.0	1249.5	1249.5	1248.5
7.5°	1244.6	1242.6	1240.7	1239.3	1238.7	1236.3	1234.3	1234.3	1232.4	1231.4	1230.4
10°	1228.5	1225.1	1222.1	1220.6	1218.7	1217.2	1214.8	1213.3	1211.9	1209.4	1208.9
12.5°	1206.4	1204.0	1199.7	1197.7	1196.7	1193.8	1189.9	1187.9	1187.4	1185.5	1184.0
15°	1181.6	1176.2	1172.3	1169.8	1169.8	1165.0	1163.0	1160.1	1158.1	1156.6	1156.1
17.5°	1149.3	1143.9	1140.0	1136.6	1135.6	1131.7	1128.8	1127.8	1125.4	1126.4	1123.9
20°	1107.8	1103.4	1100.4	1096.0	1096.0	1093.6	1092.7	1090.2	1089.2	1088.2	1089.2
22.5°	1063.3	1058.0	1053.1	1052.5	1052.5	1049.1	1048.6	1048.2	1046.2	1047.7	1047.2
25°	1011.1	1007.1	1004.2	1003.7	1003.7	1001.7	999.8	1000.7	1002.2	1001.7	1003.2
27.5°	956.7	952.8	951.8	951.4	950.4	950.0	951.0	951.0	952.4	954.3	956.3
30°	898.2	897.2	895.7	895.2	894.2	896.6	897.6	899.1	898.6	901.6	903.5
32.5°	839.5	837.5	837.1	838.1	839.5	839.0	842.0	843.0	843.9	847.3	848.8
35°	780.4	779.9	778.9	778.9	779.4	783.3	783.3	786.7	788.7	789.6	793.6
37.5°	716.9	718.8	719.8	721.2	721.8	723.2	724.2	727.6	729.5	731.5	733.5
40°	658.7	657.7	662.1	659.2	660.2	664.5	666.5	666.0	669.0	671.9	673.9
42.5°	596.7	598.1	599.1	600.1	602.5	603.0	605.4	608.9	609.9	613.3	614.2
45°	536.6	537.0	539.0	540.9	542.4	546.3	547.3	548.8	551.7	551.7	553.1
47.5°	479.8	481.8	481.8	484.8	487.2	486.7	490.1	491.1	490.6	493.0	494.0
50°	425.6	428.6	428.0	430.0	431.0	431.5	434.4	435.3	433.5	435.9	436.3
52.5°	373.8	375.2	377.2	377.7	376.8	379.2	378.2	380.1	379.7	381.7	379.7
55°	326.4	325.9	325.9	326.9	325.9	326.9	327.9	325.9	324.5	326.4	325.9
57.5°	279.0	279.0	278.0	279.5	278.0	276.6	276.1	274.7	273.1	273.1	272.7
60°	234.5	233.5	231.6	231.1	231.1	228.7	227.8	225.8	225.8	223.8	221.9
62.5°	193.0	190.6	189.1	189.1	188.2	185.7	181.3	178.3	177.4	174.4	174.0
65°	153.9	151.5	150.0	147.0	144.6	143.7	139.3	135.8	134.4	131.4	132.0
67.5°	118.2	114.3	110.0	108.0	106.6	103.1	101.7	99.2	97.7	97.7	97.7
70°	85.0	81.6	77.2	75.7	74.7	71.9	70.4	69.9	71.3	70.9	71.3
72.5°	57.2	53.8	51.8	50.8	49.8	48.3	49.3	49.8	48.9	49.3	49.8
75°	34.7	33.7	32.3	31.7	31.7	32.3	31.7	31.7	32.3	32.3	32.7
77.5°	20.1	19.1	19.1	18.5	19.5	19.1	19.1	19.1	19.5	19.5	19.5
80°	10.8	10.8	10.8	10.8	11.2	10.8	11.2	11.2	11.2	11.2	11.2
82.5°	5.4	5.4	5.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.4
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	0.4	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0.4	0.4	0.4
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: P857843

CATALOG NUMBER: LX4C35D010 EX4C359835 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5
2.5°	1261.7	1261.7	1261.7	1260.7	1261.2	1261.2	1260.7	1260.7
5°	1248.0	1247.5	1246.6	1246.6	1245.6	1246.6	1246.0	1246.6
7.5°	1229.4	1229.4	1228.0	1228.0	1227.5	1227.0	1226.5	1227.0
10°	1207.4	1207.4	1206.4	1206.0	1206.4	1204.6	1204.6	1204.0
12.5°	1183.0	1182.0	1181.0	1181.6	1181.0	1179.6	1179.2	1179.6
15°	1154.7	1153.2	1153.7	1152.2	1152.2	1151.8	1152.8	1152.8
17.5°	1123.4	1122.4	1121.5	1121.9	1120.9	1121.5	1120.9	1120.5
20°	1088.7	1088.2	1088.2	1086.2	1086.8	1086.2	1086.8	1088.2
22.5°	1048.6	1048.2	1048.6	1047.2	1048.2	1048.2	1049.6	1049.6
25°	1004.6	1004.2	1005.2	1005.6	1006.2	1007.6	1006.2	1006.6
27.5°	955.8	957.3	958.7	959.2	961.2	959.7	958.7	960.2
30°	906.5	906.5	905.9	907.9	909.4	910.8	908.4	908.4
32.5°	849.7	852.2	852.2	852.7	854.2	854.2	854.2	856.1
35°	795.5	796.9	797.5	795.5	796.5	796.0	799.4	799.4
37.5°	734.9	734.9	735.4	738.8	738.8	737.4	738.4	738.4
40°	677.3	677.7	675.8	676.7	679.2	678.3	679.2	680.2
42.5°	614.2	617.6	615.7	616.6	616.2	616.6	617.2	617.2
45°	554.1	555.1	555.1	555.6	556.5	557.5	554.6	554.1
47.5°	495.5	496.0	497.4	495.0	497.9	495.0	497.9	494.5
50°	436.3	438.3	436.9	437.8	436.3	436.3	435.9	435.3
52.5°	380.1	379.7	379.7	379.2	379.2	380.1	379.2	380.7
55°	324.0	324.5	323.5	323.0	322.5	324.0	322.5	321.6
57.5°	270.7	271.7	269.8	270.7	267.3	268.8	269.2	269.8
60°	221.3	219.9	219.9	217.9	217.9	219.4	217.4	217.4
62.5°	171.5	172.5	171.0	173.0	173.0	175.0	174.0	175.0
65°	131.4	132.0	132.4	132.4	132.4	135.4	134.4	132.9
67.5°	99.2	99.7	100.1	99.7	101.1	100.1	100.1	100.7
70°	71.9	72.3	72.8	72.8	72.3	72.8	72.8	72.8
72.5°	49.8	50.3	49.8	50.3	50.8	50.3	50.3	50.8
75°	32.7	32.7	32.3	32.3	32.3	32.3	32.7	32.3
77.5°	19.1	19.5	19.1	19.5	19.5	19.5	19.5	19.5
80°	11.2	11.2	11.2	10.8	11.2	11.2	11.2	10.8
82.5°	5.9	5.9	5.4	5.4	5.9	5.9	5.9	5.9
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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)