

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: P857855

Luminaire Tested: **LX4C35D010 EX4C359840 4LBLWW***

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C35D010 EX4C359840 4LBLWW*
Description:
Light Source: -
Ballast/Driver: -

Summary

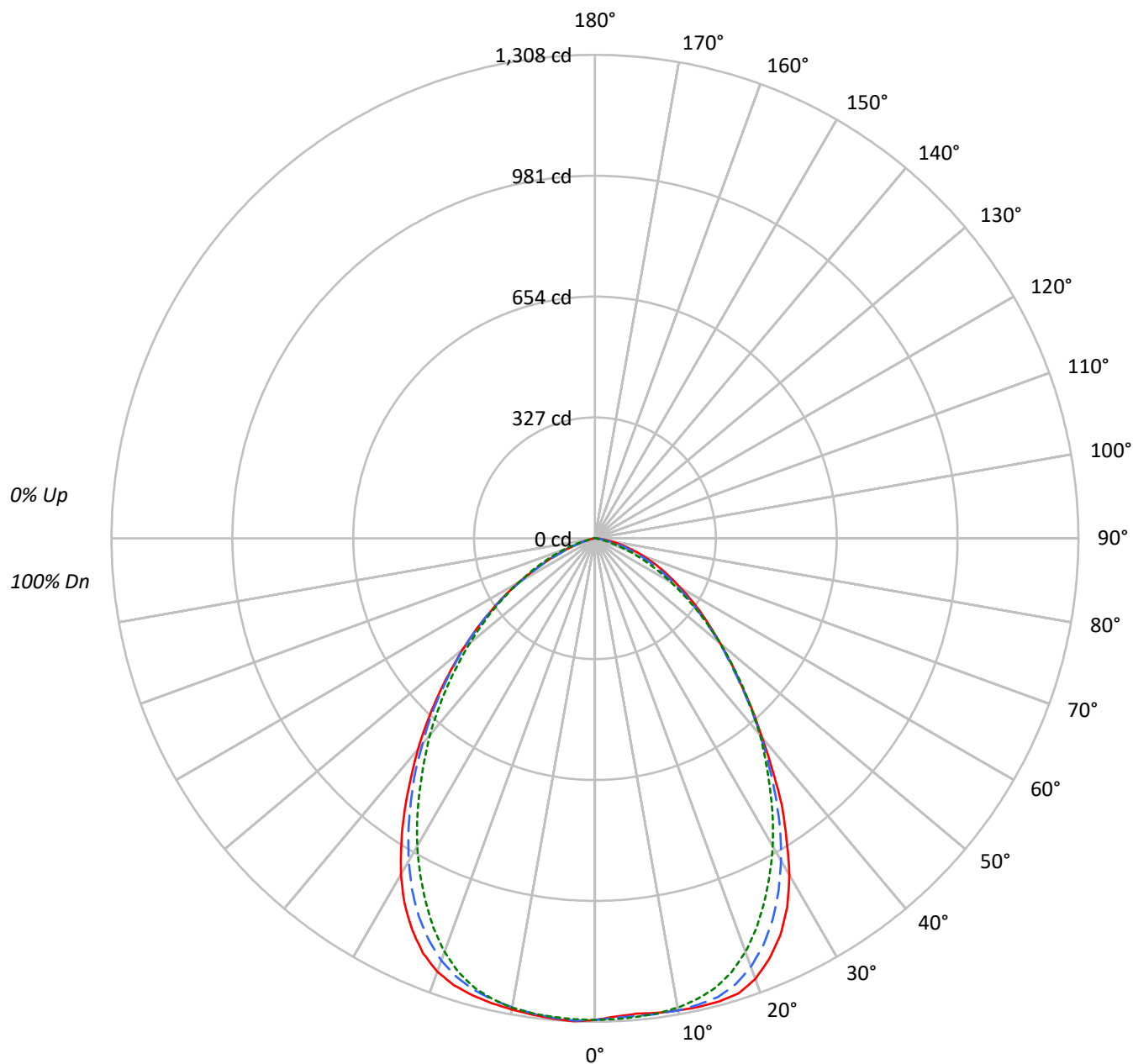
Lumens per Lamp: N/A
Luminaire Lumens: 2498.7 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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					10
RW	70	50	30	10	70	50	30	10	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	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78		
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68		
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60		
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54		
6	76	65	57	51	75	64	56	51	62	56	51	61	55	50	59	54	50	48		
7	71	59	51	46	70	59	51	46	57	50	46	56	50	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	50	45	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36		
10	59	47	40	35	58	46	39	35	45	39	35	45	39	35	44	38	34	33		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	160115	160115	160115
5°	159222	160307	160912
10°	161849	160876	161487
15°	165013	160154	162838
20°	165854	155670	163096
25°	160740	147008	158557
30°	149193	136426	148924
35°	132129	123746	134604
40°	112631	111444	119382
45°	96774	97868	103984
50°	84459	84650	89141
55°	74645	71496	73895
60°	65432	58331	58085
65°	57907	45232	40261
70°	49390	31107	23887
75°	39967	16708	10917
80°	27380	4174	2759
85°	8317	1410	1410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	5.0
10°-20°	358.6	14.4
20°-30°	518.1	20.7
30°-40°	535.6	21.4
40°-50°	442.6	17.7
50°-60°	305.4	12.2
60°-70°	159.9	6.4
70°-80°	50.3	2.0
80°-90°	4.3	0.2
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°	1000.5	40.0
0°-40°	1536.2	61.5
0°-60°	2284.2	91.4
0°-90°	2498.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2498.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1303	1303	1303	1303	1303	
5°	1291	1297	1300	1302	1305	124
15°	1297	1285	1259	1265	1280	366
25°	1186	1138	1084	1128	1170	541
35°	881	852	825	868	898	547
45°	557	554	563	589	598	434
55°	348	338	334	343	345	313
65°	199	181	156	129	138	197
75°	84	66	35	24	23	90
85°	6	3	1	1	1	12
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°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3
2.5°	1295.0	1295.4	1295.4	1296.4	1296.4	1296.4	1296.9	1296.9	1297.4	1297.9	1298.4
5°	1291.1	1291.1	1292.0	1292.5	1293.5	1294.0	1295.0	1295.4	1296.4	1296.9	1297.4
7.5°	1295.0	1295.0	1295.4	1296.0	1296.0	1296.4	1296.4	1296.9	1297.4	1297.9	1297.9
10°	1297.4	1297.4	1297.4	1297.4	1297.9	1297.9	1297.9	1297.4	1297.4	1297.4	1296.9
12.5°	1298.4	1298.4	1297.9	1297.4	1297.9	1297.4	1297.4	1296.0	1295.0	1294.0	1292.5
15°	1297.4	1297.4	1296.9	1296.4	1296.0	1295.0	1294.5	1292.0	1290.1	1287.1	1285.2
17.5°	1291.1	1290.1	1289.1	1288.1	1286.2	1284.7	1283.8	1279.3	1275.9	1271.0	1265.6
20°	1268.6	1267.6	1266.1	1263.7	1261.2	1259.2	1256.3	1250.0	1246.6	1239.2	1233.8
22.5°	1231.9	1230.9	1231.3	1226.9	1222.0	1219.1	1217.1	1211.8	1205.9	1196.6	1190.7
25°	1185.8	1182.9	1182.9	1176.0	1173.6	1171.7	1169.2	1162.8	1154.0	1145.7	1137.9
27.5°	1126.1	1122.3	1120.3	1119.3	1113.4	1109.0	1105.6	1100.7	1093.4	1086.0	1075.3
30°	1051.7	1051.3	1048.8	1044.4	1040.0	1038.1	1034.2	1025.8	1019.0	1013.6	1006.7
32.5°	964.2	963.6	963.6	963.6	960.7	960.2	954.3	950.0	944.5	936.2	931.9
35°	881.0	880.4	881.0	873.6	871.7	870.2	869.7	866.8	859.4	855.4	851.6
37.5°	787.0	788.5	787.5	785.5	787.9	783.6	787.0	780.6	777.7	776.7	772.2
40°	702.3	706.3	702.3	702.8	705.3	700.8	700.8	699.8	697.9	696.9	695.9
42.5°	629.8	624.9	627.9	625.5	627.9	626.4	624.0	625.5	625.9	624.0	623.5
45°	557.0	558.0	558.9	557.4	557.4	556.0	559.9	557.4	557.4	558.0	554.5
47.5°	497.8	496.3	497.2	496.3	496.8	495.8	496.8	497.2	496.3	496.3	493.3
50°	441.9	441.0	444.4	441.4	441.4	441.0	441.4	440.4	439.0	439.0	440.0
52.5°	393.5	391.6	391.0	393.5	390.0	390.0	390.6	389.6	387.6	386.7	384.2
55°	348.5	348.0	348.5	346.5	345.5	345.5	343.1	342.1	341.6	339.1	337.7
57.5°	306.4	304.9	305.4	304.9	302.9	302.5	300.5	300.5	298.6	296.6	294.1
60°	266.3	266.3	267.7	265.7	264.3	263.3	262.4	261.4	257.9	254.5	251.6
62.5°	230.5	231.0	230.5	229.0	228.1	227.1	226.1	223.2	220.3	218.3	214.8
65°	199.2	198.7	197.3	196.3	193.8	193.8	191.8	190.4	187.0	184.1	180.6
67.5°	166.8	166.0	166.0	166.0	163.0	162.5	161.5	158.6	155.6	151.7	148.7
70°	137.5	138.5	137.1	135.5	134.1	133.6	132.2	129.2	125.7	121.9	119.4
72.5°	109.6	110.6	109.1	108.6	105.7	104.7	104.2	101.8	97.9	95.4	91.5
75°	84.2	84.6	83.6	82.8	80.8	80.3	77.8	75.9	73.4	69.5	66.1
77.5°	60.7	59.7	59.7	57.8	55.8	55.8	55.3	52.3	49.0	46.0	43.1
80°	38.7	38.2	36.7	35.8	34.2	33.8	33.3	30.9	28.4	26.4	24.4
82.5°	19.6	19.1	18.6	18.1	17.1	16.1	16.7	14.7	13.7	11.8	10.3
85°	5.9	6.3	6.3	5.9	5.4	5.4	5.4	4.9	3.9	3.4	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3
2.5°	1298.9	1299.4	1299.9	1300.3	1300.3	1300.9	1301.3	1301.9	1302.3	1302.3	1302.8
5°	1297.9	1298.9	1298.9	1299.4	1299.4	1299.4	1299.9	1299.9	1299.9	1299.9	1300.3
7.5°	1298.4	1298.4	1298.4	1297.9	1297.9	1297.4	1297.4	1297.4	1296.4	1296.4	1296.4
10°	1296.0	1295.4	1295.0	1294.0	1293.5	1293.0	1292.0	1291.1	1290.1	1289.6	1288.7
12.5°	1291.1	1289.1	1287.1	1285.2	1284.2	1283.8	1281.8	1280.3	1278.8	1277.3	1276.4
15°	1281.3	1278.3	1274.9	1271.0	1270.0	1269.0	1265.6	1262.7	1260.7	1259.2	1256.8
17.5°	1261.7	1255.8	1251.9	1246.0	1243.6	1242.6	1237.2	1234.3	1230.9	1229.9	1227.9
20°	1226.9	1221.6	1214.2	1208.8	1205.9	1203.0	1198.6	1194.7	1190.7	1190.7	1188.2
22.5°	1183.4	1176.6	1167.2	1160.4	1159.9	1154.0	1150.1	1145.7	1144.3	1141.3	1141.3
25°	1128.6	1122.7	1112.4	1106.6	1103.6	1102.2	1095.8	1089.9	1086.9	1084.5	1086.5
27.5°	1067.9	1059.1	1051.3	1043.9	1041.5	1038.5	1032.6	1030.2	1024.8	1024.3	1023.8
30°	998.4	989.6	981.7	978.3	973.4	971.0	966.6	963.6	961.7	961.7	960.7
32.5°	925.4	917.6	913.8	906.4	904.0	900.5	897.5	894.7	895.6	894.7	895.1
35°	846.7	844.7	837.3	833.0	833.0	832.4	827.6	825.7	824.7	825.1	827.6
37.5°	771.8	765.9	761.0	758.1	760.6	757.6	757.1	757.1	760.0	758.1	762.0
40°	692.0	691.5	689.6	690.6	691.0	687.6	688.6	689.0	691.0	694.9	695.5
42.5°	622.5	622.1	622.1	622.1	621.1	619.1	621.1	624.5	624.0	626.9	629.4
45°	555.5	554.5	556.4	555.0	558.0	558.9	557.4	558.4	561.4	563.3	567.2
47.5°	494.3	494.3	494.8	495.8	492.9	495.3	496.3	498.2	499.6	500.6	502.6
50°	437.5	437.5	436.6	436.6	436.6	438.0	436.1	438.5	439.0	442.9	445.3
52.5°	385.1	382.7	384.2	383.2	381.2	380.2	381.2	381.8	384.7	385.7	388.6
55°	335.2	335.2	331.4	330.4	331.8	331.4	330.8	330.8	332.4	333.8	336.2
57.5°	291.2	288.3	285.4	284.8	283.4	283.8	283.8	283.4	282.4	282.9	283.4
60°	249.6	247.6	243.3	243.3	242.7	242.3	239.8	239.3	236.8	237.4	235.4
62.5°	211.4	210.5	204.6	202.6	202.6	201.2	198.7	198.2	194.8	194.8	192.8
65°	177.2	174.2	170.8	167.4	167.4	165.4	164.0	159.5	157.1	155.6	152.7
67.5°	145.8	141.4	138.0	135.1	133.1	132.6	129.2	126.3	122.3	119.9	115.5
70°	115.5	112.1	108.6	105.7	103.8	101.8	98.4	94.0	91.0	86.6	83.6
72.5°	87.1	84.2	81.2	77.3	74.9	73.4	70.0	66.1	61.2	58.2	54.3
75°	62.6	59.2	55.3	51.9	50.4	49.0	45.0	42.1	38.7	35.2	31.3
77.5°	40.7	36.7	33.8	29.9	29.3	28.4	24.4	21.5	19.1	17.1	14.7
80°	21.5	19.6	17.1	14.7	13.7	12.2	10.3	8.8	7.3	5.9	4.9
82.5°	9.3	7.8	6.3	5.4	4.9	4.4	3.4	2.9	2.4	2.4	2.0
85°	2.4	2.0	2.0	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.4	0.4	0.0
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°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3
2.5°	1303.3	1303.8	1304.3	1304.3	1304.8	1305.2	1305.2	1305.8	1306.2	1306.8	1306.8
5°	1300.9	1300.9	1300.9	1301.3	1301.3	1301.3	1301.3	1302.3	1302.3	1302.8	1303.3
7.5°	1296.0	1296.0	1296.0	1296.0	1295.4	1296.0	1295.4	1295.4	1296.4	1296.9	1297.4
10°	1288.1	1287.7	1287.7	1287.1	1287.1	1287.1	1287.7	1288.1	1288.7	1289.1	1290.5
12.5°	1275.9	1275.4	1275.4	1274.9	1274.9	1275.4	1275.9	1276.9	1278.8	1279.8	1281.8
15°	1256.3	1255.8	1256.3	1256.8	1257.8	1259.2	1260.7	1262.2	1265.1	1267.6	1270.0
17.5°	1227.9	1228.4	1228.9	1229.9	1231.3	1233.3	1237.2	1241.1	1244.6	1248.5	1252.4
20°	1188.8	1190.7	1191.2	1194.7	1195.6	1200.0	1204.5	1210.3	1215.7	1220.6	1226.0
22.5°	1141.8	1143.3	1145.2	1149.1	1151.6	1157.5	1162.8	1169.7	1175.6	1181.9	1189.8
25°	1088.5	1088.9	1094.8	1094.8	1100.7	1105.6	1111.9	1119.3	1128.1	1136.4	1141.8
27.5°	1027.7	1030.2	1034.6	1036.6	1040.9	1048.8	1054.2	1063.0	1071.8	1079.2	1085.0
30°	964.2	966.1	973.4	974.4	977.9	984.7	992.1	1000.4	1007.2	1015.5	1020.9
32.5°	897.1	902.4	906.9	910.3	911.3	921.5	925.4	931.3	939.2	947.5	952.9
35°	832.0	834.4	840.8	842.8	845.7	851.6	859.4	864.3	868.2	873.6	880.0
37.5°	763.0	770.3	771.8	777.7	778.7	784.0	787.9	793.8	798.7	803.6	804.6
40°	698.9	701.4	706.7	708.1	709.1	716.5	721.4	722.8	725.3	729.7	735.6
42.5°	633.8	636.3	642.1	640.6	645.1	648.5	650.9	656.8	659.3	660.7	660.7
45°	569.6	570.6	574.5	576.5	579.0	581.0	585.3	588.3	589.3	593.6	595.1
47.5°	508.5	509.5	512.4	515.9	514.9	517.3	522.2	523.6	524.2	527.1	528.5
50°	448.3	450.8	454.7	453.7	456.7	458.1	462.5	463.4	463.4	464.0	464.4
52.5°	392.0	394.0	395.0	395.9	397.4	399.9	401.8	400.8	402.8	404.8	403.2
55°	336.2	337.7	340.1	341.1	341.1	341.6	340.6	345.0	343.1	342.6	343.1
57.5°	285.4	283.4	282.9	285.4	286.3	285.8	284.4	286.3	286.3	285.4	283.8
60°	235.9	234.4	233.9	234.4	232.5	231.0	231.9	231.0	228.6	227.6	228.1
62.5°	190.8	189.4	185.5	185.5	184.5	184.1	180.1	180.6	178.6	175.7	176.7
65°	149.3	145.4	143.4	142.9	139.5	136.5	135.5	132.2	129.2	128.7	129.2
67.5°	112.1	107.6	104.2	102.8	100.9	98.4	95.0	92.0	93.0	92.5	94.4
70°	77.8	74.9	71.4	69.0	70.0	67.1	65.1	65.1	65.5	66.1	67.1
72.5°	51.9	48.0	46.5	45.0	44.1	42.1	43.1	43.1	42.5	43.1	42.1
75°	29.3	27.4	25.9	25.4	24.4	24.4	24.4	24.4	24.0	23.5	23.5
77.5°	13.2	12.2	11.8	11.2	11.2	11.2	10.8	10.3	10.3	10.3	9.8
80°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	2.0	2.0	2.4	2.4	2.4	2.0	2.4	2.4	2.0	2.0	2.4
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.0	0.4	0.0
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: P857855

CATALOG NUMBER: LX4C35D010 EX4C359840 4LBLWW*

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3
2.5°	1307.2	1307.7	1307.7	1307.7	1308.2	1308.2	1308.2	1308.2
5°	1303.8	1304.3	1304.3	1304.3	1304.8	1304.8	1304.8	1304.8
7.5°	1297.9	1298.4	1298.4	1298.9	1298.9	1299.4	1299.4	1299.9
10°	1291.1	1292.0	1292.5	1293.0	1293.5	1294.0	1294.0	1294.5
12.5°	1283.8	1284.7	1285.2	1286.2	1287.1	1287.7	1288.1	1288.7
15°	1273.0	1274.9	1275.9	1276.4	1278.3	1279.3	1279.8	1280.3
17.5°	1255.8	1259.8	1261.2	1262.2	1264.1	1266.1	1267.6	1268.1
20°	1231.3	1235.8	1237.7	1240.1	1243.1	1245.6	1246.6	1247.5
22.5°	1197.1	1202.0	1204.9	1207.9	1210.3	1212.8	1216.7	1215.2
25°	1148.1	1156.5	1159.9	1161.4	1166.8	1169.7	1171.7	1169.7
27.5°	1093.4	1098.3	1101.2	1104.6	1108.5	1111.5	1112.4	1115.4
30°	1027.3	1035.6	1035.1	1038.5	1043.4	1046.4	1047.4	1049.8
32.5°	958.7	962.6	965.6	965.1	967.1	972.4	970.5	974.9
35°	885.9	886.3	891.2	890.8	894.7	894.7	894.7	897.5
37.5°	808.0	813.9	811.5	817.3	815.3	816.8	816.8	817.8
40°	737.0	739.0	739.0	740.9	742.5	740.9	741.9	744.4
42.5°	663.6	665.6	666.0	665.2	666.6	670.9	667.6	670.5
45°	595.1	596.6	598.5	597.1	599.5	598.1	599.5	598.5
47.5°	530.5	530.1	529.5	533.4	530.1	530.5	532.5	529.1
50°	464.4	467.4	465.4	466.9	467.9	467.9	466.4	466.4
52.5°	405.7	405.2	403.8	405.2	404.2	404.8	405.7	404.8
55°	345.0	347.0	346.0	345.5	346.0	346.0	348.9	345.0
57.5°	285.4	284.4	285.8	289.3	285.8	288.3	289.7	290.3
60°	228.6	228.6	231.5	230.0	232.9	235.4	237.4	236.4
62.5°	174.2	176.7	177.6	178.2	181.1	183.1	183.1	182.5
65°	129.2	132.6	132.6	134.6	135.5	135.5	136.5	138.5
67.5°	95.4	95.4	96.0	96.9	96.4	96.4	97.4	97.9
70°	66.5	65.5	67.1	66.5	66.5	66.1	66.5	66.5
72.5°	42.1	42.1	42.5	42.1	41.1	41.6	41.6	42.5
75°	22.5	23.5	22.5	22.5	23.0	22.0	22.5	23.0
77.5°	9.3	9.3	9.3	9.3	9.3	8.8	8.8	8.8
80°	4.4	4.4	4.4	4.4	4.4	4.4	3.9	3.9
82.5°	2.0	2.4	2.0	2.4	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.4	0.0	0.4	0.0	0.0	0.0	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)