

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: P857842

Luminaire Tested: **LX4C35D010 EX4C359835 4LBLWW***

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857842
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 EX4C359835 4LBLWW*
Description:
Light Source: -
Ballast/Driver: -

Summary

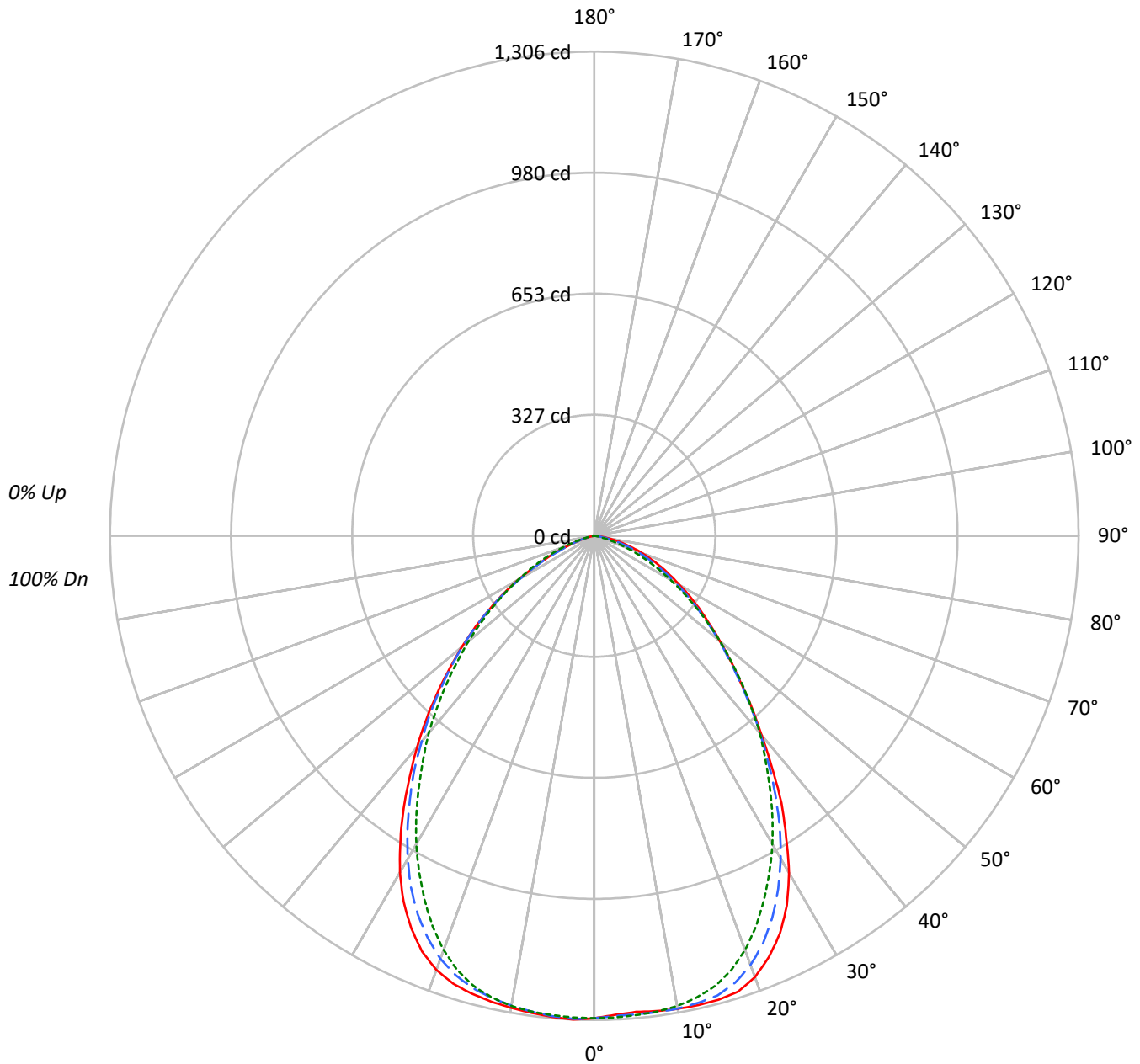
Lumens per Lamp: N/A
Luminaire Lumens: 2495.1 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	159882	159882	159882
5°	158988	160073	160677
10°	161624	160651	161263
15°	164784	159925	162609
20°	165606	155447	162873
25°	160509	146805	158327
30°	148980	136227	148697
35°	131934	123581	134424
40°	112470	111299	119222
45°	96635	97729	103845
50°	84344	84535	89027
55°	74538	71389	73809
60°	65309	58233	57987
65°	57819	45174	40203
70°	49318	31071	23851
75°	39920	16708	10917
80°	27309	4174	2759
85°	8317	1410	1410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	5.0
10°-20°	358.1	14.4
20°-30°	517.4	20.7
30°-40°	534.8	21.4
40°-50°	441.9	17.7
50°-60°	305.0	12.2
60°-70°	159.7	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°	999.1	40.0
0°-40°	1534.0	61.5
0°-60°	2280.9	91.4
0°-90°	2495.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2495.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1301	1301	1301	1301	1301	
5°	1289	1296	1298	1300	1303	123
15°	1296	1283	1257	1263	1278	366
25°	1184	1136	1083	1126	1168	541
35°	880	850	824	867	896	546
45°	556	554	562	588	598	434
55°	348	337	333	343	345	313
65°	199	180	155	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°	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4
2.5°	1293.1	1293.6	1293.6	1294.6	1294.6	1294.6	1295.1	1295.1	1295.6	1296.1	1296.6
5°	1289.2	1289.2	1290.2	1290.7	1291.7	1292.1	1293.1	1293.6	1294.6	1295.1	1295.6
7.5°	1293.1	1293.1	1293.6	1294.1	1294.1	1294.6	1294.6	1295.1	1295.6	1296.1	1296.1
10°	1295.6	1295.6	1295.6	1295.6	1296.1	1296.1	1296.1	1295.6	1295.6	1295.6	1295.1
12.5°	1296.6	1296.6	1296.1	1295.6	1296.1	1295.6	1295.6	1294.1	1293.1	1292.1	1290.7
15°	1295.6	1295.6	1295.1	1294.6	1294.1	1293.1	1292.7	1290.2	1288.2	1285.3	1283.4
17.5°	1289.2	1288.2	1287.2	1286.2	1284.4	1282.9	1281.9	1277.5	1274.0	1269.2	1263.8
20°	1266.7	1265.7	1264.3	1261.8	1259.4	1257.4	1254.5	1248.2	1244.8	1237.4	1232.0
22.5°	1230.1	1229.1	1229.6	1225.2	1220.3	1217.4	1215.4	1210.0	1204.2	1194.9	1189.0
25°	1184.1	1181.2	1181.2	1174.3	1171.9	1170.0	1167.6	1161.1	1152.4	1144.1	1136.3
27.5°	1124.5	1120.7	1118.7	1117.7	1111.8	1107.5	1104.0	1099.1	1091.8	1084.4	1073.7
30°	1050.2	1049.8	1047.4	1042.9	1038.5	1036.6	1032.6	1024.3	1017.5	1012.1	1005.3
32.5°	962.7	962.3	962.3	962.3	959.3	958.9	953.0	948.5	943.2	934.9	930.5
35°	879.7	879.2	879.7	872.4	870.4	868.9	868.5	865.5	858.2	854.3	850.4
37.5°	785.8	787.3	786.3	784.4	786.8	782.4	785.8	779.5	776.5	775.5	771.2
40°	701.3	705.2	701.3	701.8	704.2	699.8	699.8	698.9	696.9	695.9	694.9
42.5°	628.9	624.0	627.0	624.6	627.0	625.6	623.1	624.6	625.0	623.1	622.6
45°	556.2	557.2	558.1	556.6	556.6	555.2	559.1	556.6	556.6	557.2	553.7
47.5°	497.1	495.5	496.5	495.5	496.1	495.1	496.1	496.5	495.5	495.5	492.6
50°	441.3	440.3	443.7	440.8	440.8	440.3	440.8	439.8	438.4	438.4	439.4
52.5°	392.9	390.9	390.5	392.9	389.5	389.5	390.0	389.0	387.0	386.1	383.6
55°	348.0	347.5	348.0	346.0	345.0	345.0	342.6	341.6	341.1	338.7	337.2
57.5°	306.0	304.4	305.0	304.4	302.5	302.0	300.1	300.1	298.1	296.1	293.7
60°	265.8	265.8	267.3	265.4	263.9	262.9	261.9	261.0	257.5	254.1	251.2
62.5°	230.2	230.7	230.2	228.7	227.8	226.8	225.8	222.8	219.9	217.9	214.6
65°	198.9	198.4	197.0	196.0	193.5	193.5	191.5	190.1	186.7	183.8	180.3
67.5°	166.7	165.7	165.7	165.7	162.7	162.2	161.3	158.4	155.4	151.5	148.6
70°	137.3	138.3	136.9	135.4	133.9	133.4	132.0	129.0	125.6	121.7	119.2
72.5°	109.5	110.5	109.0	108.5	105.6	104.6	104.1	101.7	97.7	95.3	91.4
75°	84.1	84.5	83.6	82.6	80.6	80.2	77.7	75.7	73.3	69.4	66.0
77.5°	60.6	59.7	59.7	57.7	55.7	55.7	55.2	52.3	48.9	45.9	43.0
80°	38.6	38.1	36.7	35.7	34.2	33.7	33.3	30.8	28.4	26.4	24.4
82.5°	19.5	19.1	18.5	18.1	17.1	16.1	16.6	14.6	13.6	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°	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4
2.5°	1297.0	1297.5	1298.0	1298.5	1298.5	1299.0	1299.4	1300.0	1300.4	1300.4	1301.0
5°	1296.1	1297.0	1297.0	1297.5	1297.5	1297.5	1298.0	1298.0	1298.0	1298.0	1298.5
7.5°	1296.6	1296.6	1296.6	1296.1	1296.1	1295.6	1295.6	1295.6	1294.6	1294.6	1294.6
10°	1294.1	1293.6	1293.1	1292.1	1291.7	1291.2	1290.2	1289.2	1288.2	1287.8	1286.8
12.5°	1289.2	1287.2	1285.3	1283.4	1282.4	1281.9	1279.9	1278.5	1277.0	1275.5	1274.6
15°	1279.5	1276.5	1273.1	1269.2	1268.2	1267.3	1263.8	1260.8	1259.0	1257.4	1255.0
17.5°	1259.9	1254.1	1250.1	1244.2	1241.8	1240.9	1235.4	1232.6	1229.1	1228.1	1226.1
20°	1225.2	1219.8	1212.5	1207.2	1204.2	1201.3	1196.9	1193.0	1189.0	1189.0	1186.6
22.5°	1181.7	1174.9	1165.6	1158.7	1158.3	1152.4	1148.5	1144.1	1142.6	1139.6	1139.6
25°	1127.0	1121.1	1110.8	1105.0	1102.0	1100.6	1094.3	1088.4	1085.4	1083.0	1085.0
27.5°	1066.3	1057.6	1049.8	1042.4	1039.9	1037.0	1031.2	1028.7	1023.4	1022.8	1022.4
30°	997.0	988.1	980.4	976.9	972.1	969.6	965.2	962.3	960.3	960.3	959.3
32.5°	924.1	916.4	912.4	905.1	902.6	899.2	896.3	893.3	894.3	893.3	893.9
35°	845.5	843.5	836.2	831.8	831.8	831.3	826.4	824.4	823.4	824.0	826.4
37.5°	770.7	764.8	759.9	757.0	759.5	756.6	756.0	756.0	759.0	757.0	760.9
40°	691.0	690.6	688.6	689.6	690.0	686.6	687.6	688.1	690.0	694.0	694.5
42.5°	621.6	621.2	621.2	621.2	620.2	618.2	620.2	623.6	623.1	626.0	628.5
45°	554.7	553.7	555.6	554.2	557.2	558.1	556.6	557.6	560.5	562.5	566.4
47.5°	493.6	493.6	494.1	495.1	492.2	494.6	495.5	497.5	498.9	499.9	501.9
50°	436.9	436.9	436.0	436.0	436.0	437.4	435.4	437.8	438.4	442.3	444.7
52.5°	384.6	382.2	383.6	382.6	380.7	379.7	380.7	381.2	384.2	385.1	388.0
55°	334.8	334.8	330.8	329.9	331.4	330.8	330.4	330.4	331.8	333.3	335.7
57.5°	290.8	287.9	284.9	284.5	282.9	283.5	283.5	282.9	282.0	282.5	282.9
60°	249.2	247.3	242.9	242.9	242.4	241.9	239.4	239.0	236.6	237.0	235.1
62.5°	211.2	210.2	204.3	202.3	202.3	200.8	198.4	198.0	194.5	194.5	192.5
65°	176.9	174.0	170.6	167.1	167.1	165.2	163.7	159.4	156.9	155.4	152.5
67.5°	145.6	141.3	137.8	134.9	133.0	132.4	129.0	126.1	122.2	119.8	115.3
70°	115.3	111.9	108.5	105.6	103.6	101.7	98.3	93.8	90.9	86.5	83.6
72.5°	87.0	84.1	81.1	77.2	74.8	73.3	69.9	66.0	61.1	58.1	54.2
75°	62.5	59.1	55.2	51.8	50.3	48.9	44.9	42.0	38.6	35.2	31.3
77.5°	40.6	36.7	33.7	29.8	29.3	28.4	24.4	21.5	19.1	17.1	14.6
80°	21.5	19.5	17.1	14.6	13.6	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°	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4
2.5°	1301.4	1301.9	1302.4	1302.4	1302.9	1303.4	1303.4	1303.9	1304.4	1304.9	1304.9
5°	1299.0	1299.0	1299.0	1299.4	1299.4	1299.4	1299.4	1300.4	1300.4	1301.0	1301.4
7.5°	1294.1	1294.1	1294.1	1294.1	1293.6	1294.1	1293.6	1293.6	1294.6	1295.1	1295.6
10°	1286.2	1285.8	1285.8	1285.3	1285.3	1285.3	1285.8	1286.2	1286.8	1287.2	1288.7
12.5°	1274.0	1273.6	1273.6	1273.1	1273.1	1273.6	1274.0	1275.0	1277.0	1278.0	1279.9
15°	1254.5	1254.1	1254.5	1255.0	1256.0	1257.4	1259.0	1260.4	1263.3	1265.7	1268.2
17.5°	1226.1	1226.7	1227.1	1228.1	1229.6	1231.6	1235.4	1239.3	1242.8	1246.7	1250.6
20°	1187.1	1189.0	1189.5	1193.0	1194.0	1198.3	1202.7	1208.6	1213.9	1218.8	1224.2
22.5°	1140.2	1141.6	1143.6	1147.5	1149.9	1155.8	1161.1	1168.0	1173.9	1180.2	1188.1
25°	1086.9	1087.4	1093.3	1093.3	1099.1	1104.0	1110.3	1117.7	1126.4	1134.8	1140.2
27.5°	1026.3	1028.7	1033.2	1035.1	1039.5	1047.4	1052.7	1061.4	1070.3	1077.6	1083.5
30°	962.7	964.7	972.1	973.0	976.5	983.3	990.6	998.9	1005.8	1014.1	1019.4
32.5°	895.8	901.2	905.6	909.0	910.0	920.3	924.1	930.0	937.8	946.1	951.5
35°	830.8	833.2	839.6	841.5	844.5	850.4	858.2	863.0	867.0	872.4	878.7
37.5°	761.9	769.2	770.7	776.5	777.5	782.9	786.8	792.7	797.6	802.5	803.5
40°	697.9	700.3	705.7	707.2	708.1	715.4	720.3	721.9	724.3	728.6	734.5
42.5°	632.9	635.4	641.2	639.7	644.1	647.6	650.0	655.9	658.3	659.8	659.8
45°	568.8	569.8	573.7	575.7	578.1	580.1	584.5	587.4	588.4	592.8	594.3
47.5°	507.8	508.7	511.7	515.1	514.1	516.6	521.5	522.9	523.5	526.3	527.8
50°	447.7	450.1	454.0	453.0	455.9	457.5	461.8	462.8	462.8	463.3	463.8
52.5°	391.5	393.4	394.4	395.4	396.8	399.2	401.2	400.2	402.2	404.1	402.7
55°	335.7	337.2	339.7	340.6	340.6	341.1	340.1	344.6	342.6	342.1	342.6
57.5°	284.9	282.9	282.5	284.9	285.9	285.4	283.9	285.9	285.9	284.9	283.5
60°	235.6	234.1	233.6	234.1	232.1	230.7	231.7	230.7	228.2	227.2	227.8
62.5°	190.6	189.1	185.2	185.2	184.2	183.8	179.9	180.3	178.3	175.4	176.4
65°	149.1	145.2	143.2	142.7	139.3	136.3	135.4	132.0	129.0	128.5	129.0
67.5°	111.9	107.5	104.1	102.6	100.7	98.3	94.8	91.8	92.8	92.4	94.3
70°	77.7	74.8	71.3	68.9	69.9	67.0	65.0	65.0	65.5	66.0	67.0
72.5°	51.8	47.9	46.5	44.9	44.0	42.0	43.0	43.0	42.5	43.0	42.0
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: P857842

CATALOG NUMBER: LX4C35D010 EX4C359835 4LBLWW*

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4	1301.4
2.5°	1305.3	1305.9	1305.9	1305.9	1306.3	1306.3	1306.3	1306.3
5°	1301.9	1302.4	1302.4	1302.4	1302.9	1302.9	1302.9	1302.9
7.5°	1296.1	1296.6	1296.6	1297.0	1297.0	1297.5	1297.5	1298.0
10°	1289.2	1290.2	1290.7	1291.2	1291.7	1292.1	1292.1	1292.7
12.5°	1281.9	1282.9	1283.4	1284.4	1285.3	1285.8	1286.2	1286.8
15°	1271.2	1273.1	1274.0	1274.6	1276.5	1277.5	1278.0	1278.5
17.5°	1254.1	1258.0	1259.4	1260.4	1262.3	1264.3	1265.7	1266.3
20°	1229.6	1234.0	1236.0	1238.4	1241.3	1243.8	1244.8	1245.8
22.5°	1195.4	1200.3	1203.2	1206.2	1208.6	1211.0	1214.9	1213.5
25°	1146.5	1154.8	1158.3	1159.7	1165.1	1168.0	1170.0	1168.0
27.5°	1091.8	1096.7	1099.6	1103.0	1106.9	1109.9	1110.8	1113.8
30°	1025.8	1034.2	1033.6	1037.0	1041.9	1044.9	1045.8	1048.2
32.5°	957.4	961.3	964.2	963.7	965.7	971.1	969.1	973.5
35°	884.6	885.1	890.0	889.4	893.3	893.3	893.3	896.3
37.5°	806.8	812.7	810.3	816.1	814.2	815.7	815.7	816.7
40°	736.0	737.9	737.9	739.9	741.4	739.9	740.9	743.4
42.5°	662.7	664.6	665.2	664.2	665.6	670.1	666.6	669.5
45°	594.3	595.8	597.7	596.2	598.6	597.2	598.6	597.7
47.5°	529.8	529.2	528.8	532.7	529.2	529.8	531.7	528.3
50°	463.8	466.7	464.8	466.2	467.2	467.2	465.8	465.8
52.5°	405.1	404.7	403.2	404.7	403.7	404.1	405.1	404.1
55°	344.6	346.5	345.5	345.0	345.5	345.5	348.5	344.6
57.5°	284.9	283.9	285.4	288.8	285.4	287.9	289.3	289.8
60°	228.2	228.2	231.1	229.7	232.7	235.1	237.0	236.0
62.5°	174.0	176.4	177.4	177.9	180.8	182.8	182.8	182.3
65°	129.0	132.4	132.4	134.4	135.4	135.4	136.3	138.3
67.5°	95.3	95.3	95.8	96.8	96.3	96.3	97.3	97.7
70°	66.4	65.5	67.0	66.4	66.4	66.0	66.4	66.4
72.5°	42.0	42.0	42.5	42.0	41.0	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)