

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: P844323

Luminaire Tested: **LD6C30DE010B2750 EU6C30B40 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C30DE010B2750 EU6C30B40 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

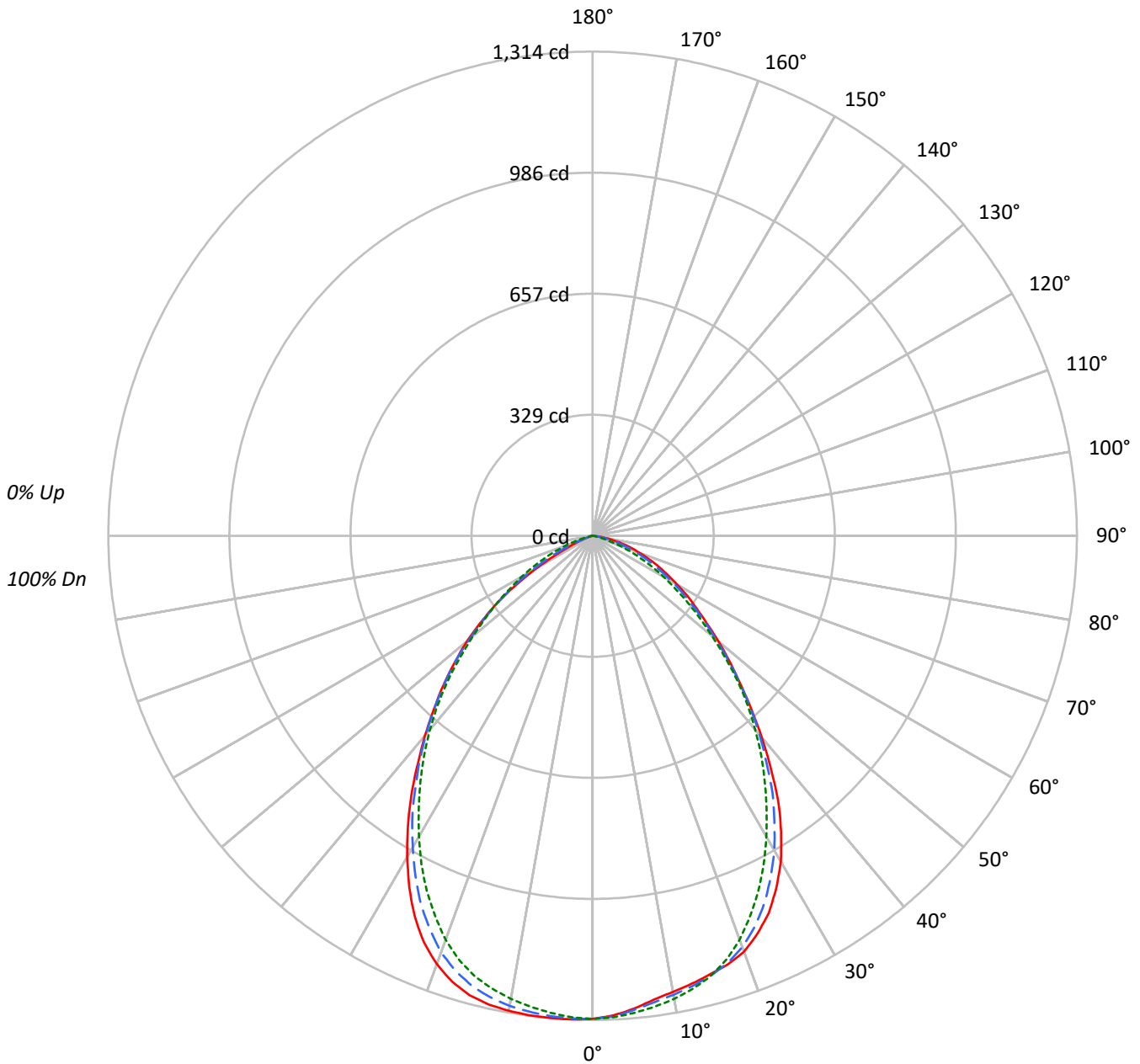
Lumens per Lamp: N/A
Luminaire Lumens: 2411.4 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 34.1
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54								
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49								
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44								
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40								
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36								
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	71875	71875	71875
5°	70889	71511	72298
10°	69950	71035	72867
15°	69915	70210	73258
20°	70076	68052	72147
25°	68357	64353	69040
30°	64624	59667	63668
35°	58758	54502	57340
40°	51081	49071	50616
45°	43795	43012	44392
50°	37977	36050	37867
55°	32955	29973	29810
60°	29011	24274	18858
65°	25450	18420	9041
70°	21863	12230	3334
75°	17813	5126	911
80°	12028	1231	410
85°	4906	252	252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	5.1
10°-20°	351.8	14.6
20°-30°	504.1	20.9
30°-40°	525.3	21.8
40°-50°	435.2	18.0
50°-60°	288.5	12.0
60°-70°	139.7	5.8
70°-80°	39.5	1.6
80°-90°	3.8	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°	979.3	40.6
0°-40°	1504.6	62.4
0°-60°	2228.3	92.4
0°-90°	2411.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2411.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1311	1311	1311	1311	1311	
5°	1288	1292	1300	1309	1314	122
15°	1232	1236	1237	1265	1291	348
25°	1130	1102	1064	1103	1141	517
35°	878	850	814	839	857	544
45°	565	563	555	569	573	439
55°	345	334	314	308	312	311
65°	196	177	142	98	70	195
75°	84	64	24	5	4	90
85°	8	4	0	0	0	13
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°	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1
2.5°	1302.9	1303.4	1304.3	1303.4	1303.9	1304.3	1304.3	1304.7	1304.7	1305.1	1305.5
5°	1288.2	1289.5	1289.5	1289.5	1289.5	1290.0	1290.4	1290.4	1290.0	1290.0	1291.7
7.5°	1269.6	1270.9	1270.4	1270.9	1271.3	1272.7	1272.2	1273.1	1273.9	1275.2	1277.0
10°	1256.6	1257.0	1256.6	1257.9	1258.8	1259.6	1259.6	1260.5	1261.3	1262.7	1264.8
12.5°	1244.9	1245.4	1245.8	1246.6	1247.5	1247.1	1247.9	1248.7	1249.3	1250.1	1251.4
15°	1231.9	1234.0	1233.6	1234.0	1234.5	1234.9	1235.4	1235.8	1235.4	1235.4	1236.3
17.5°	1219.8	1220.2	1220.6	1220.6	1220.6	1220.6	1219.8	1219.8	1218.5	1217.2	1216.3
20°	1201.2	1200.7	1199.9	1199.9	1198.1	1198.5	1196.8	1196.0	1193.8	1190.8	1187.7
22.5°	1168.7	1170.8	1170.0	1166.9	1165.2	1165.2	1163.5	1159.6	1156.1	1152.6	1148.7
25°	1130.1	1129.2	1128.0	1126.2	1123.6	1121.9	1119.3	1116.6	1111.0	1105.0	1101.5
27.5°	1078.6	1079.8	1076.9	1074.2	1073.0	1070.3	1067.8	1064.3	1057.3	1052.1	1046.1
30°	1020.9	1020.1	1019.7	1016.2	1012.7	1013.6	1008.3	1004.5	999.3	990.7	985.8
32.5°	951.7	952.9	950.4	950.0	943.4	942.6	942.6	936.5	932.2	923.9	917.4
35°	878.0	877.2	876.2	873.3	872.9	870.2	868.1	863.8	858.1	855.5	850.3
37.5°	793.1	793.5	794.0	794.0	792.3	790.5	788.8	788.8	781.0	779.7	773.7
40°	713.8	715.2	714.7	711.7	712.1	712.5	712.1	711.7	706.9	705.2	704.3
42.5°	636.7	638.9	636.7	636.3	636.7	636.7	635.8	637.2	635.0	636.7	632.9
45°	564.9	566.6	565.3	564.9	563.9	566.2	563.5	565.7	564.5	562.2	563.1
47.5°	502.9	501.2	502.9	502.1	500.7	499.0	501.6	500.3	497.3	496.9	497.7
50°	445.3	444.4	445.3	444.8	442.7	442.7	442.3	441.4	440.5	438.0	436.2
52.5°	390.3	393.3	391.1	393.3	390.3	389.0	389.4	388.2	386.4	385.5	382.0
55°	344.8	345.2	345.2	345.2	343.5	342.7	341.7	340.9	340.9	337.0	333.6
57.5°	305.3	304.5	304.1	302.8	302.0	301.0	300.2	297.6	295.0	291.5	288.9
60°	264.6	265.6	265.6	263.8	262.5	261.2	260.8	259.0	255.9	252.6	248.6
62.5°	229.6	230.5	228.2	228.2	225.7	225.3	225.3	222.6	219.1	215.2	211.0
65°	196.2	195.8	196.6	193.7	194.1	191.4	190.6	189.3	185.8	181.1	177.2
67.5°	164.6	165.5	164.1	163.3	161.6	160.7	159.8	155.9	154.2	149.9	145.5
70°	136.4	135.6	134.7	134.7	132.9	131.7	131.3	126.9	124.8	121.3	116.6
72.5°	110.0	109.1	108.3	107.0	105.7	105.2	102.7	100.1	97.5	93.2	89.7
75°	84.1	83.6	82.7	81.9	79.7	78.8	78.4	75.4	70.6	67.2	64.1
77.5°	60.6	61.0	59.3	57.6	56.3	55.0	54.2	51.5	48.5	44.6	41.6
80°	38.1	38.6	38.1	36.8	35.1	34.7	33.3	31.6	29.0	26.4	24.2
82.5°	20.3	20.3	19.9	19.5	18.2	18.2	17.3	16.1	14.7	13.4	11.7
85°	7.8	7.8	7.4	7.0	6.5	6.5	6.0	5.6	4.8	4.3	3.5
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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°	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1
2.5°	1305.5	1306.0	1306.4	1306.8	1306.8	1306.8	1307.2	1307.7	1307.7	1308.2	1308.6
5°	1292.5	1293.0	1294.3	1294.8	1295.6	1295.2	1296.4	1297.7	1298.6	1299.5	1300.8
7.5°	1277.8	1279.1	1280.9	1282.2	1282.6	1283.0	1284.3	1286.1	1287.4	1289.0	1290.4
10°	1265.7	1267.0	1268.7	1270.4	1270.4	1271.3	1272.2	1273.5	1274.8	1276.1	1277.8
12.5°	1252.2	1254.0	1254.5	1255.3	1255.3	1255.7	1256.6	1257.0	1258.4	1258.8	1261.3
15°	1236.3	1236.3	1236.3	1236.3	1236.3	1235.8	1234.9	1235.8	1235.8	1237.1	1238.4
17.5°	1214.2	1214.2	1211.5	1210.3	1210.7	1208.6	1208.1	1206.3	1206.3	1206.3	1207.6
20°	1185.1	1181.3	1178.2	1174.3	1172.6	1171.6	1170.8	1166.9	1166.5	1166.5	1166.5
22.5°	1143.9	1139.6	1135.3	1132.3	1127.5	1125.7	1124.1	1121.4	1118.4	1116.6	1120.6
25°	1093.7	1088.5	1083.3	1077.3	1075.9	1073.8	1069.5	1066.8	1065.6	1063.9	1064.7
27.5°	1040.5	1033.1	1027.5	1021.4	1019.2	1016.6	1012.7	1008.9	1004.5	1005.4	1005.4
30°	979.4	970.7	964.7	957.3	956.8	954.3	950.8	946.1	942.6	942.6	944.7
32.5°	913.1	907.0	901.4	893.2	891.9	890.1	887.6	883.2	880.6	878.0	879.7
35°	846.0	836.5	832.6	827.4	827.8	823.1	819.1	816.5	816.9	814.4	815.6
37.5°	773.7	767.9	762.3	760.2	758.0	755.5	753.7	752.0	751.1	751.1	750.3
40°	700.5	697.4	694.8	693.9	690.0	690.8	690.4	689.2	686.5	685.7	688.3
42.5°	631.5	628.6	627.2	625.1	624.6	623.4	623.4	622.0	621.6	622.0	621.6
45°	560.5	560.1	557.1	557.1	558.7	557.5	554.0	556.2	556.2	554.8	557.5
47.5°	495.1	495.5	493.8	490.3	490.3	488.2	485.6	487.8	489.0	486.8	488.2
50°	435.7	433.2	429.7	427.1	428.4	427.5	425.4	423.6	422.3	422.7	424.5
52.5°	379.5	378.1	374.3	371.2	370.4	370.8	368.2	365.6	366.0	365.6	364.7
55°	328.8	328.8	323.5	322.3	318.8	318.8	315.4	314.9	313.6	313.6	311.5
57.5°	285.0	281.1	278.1	275.1	273.7	272.0	270.8	267.7	266.4	263.8	263.4
60°	244.7	240.0	237.8	234.4	231.7	230.0	227.8	225.3	223.5	221.4	218.7
62.5°	208.8	203.6	199.3	195.8	193.7	193.2	189.7	186.7	183.2	180.6	176.3
65°	172.8	169.8	165.0	160.2	159.4	157.3	153.8	150.3	146.0	142.0	139.5
67.5°	141.2	137.3	132.9	130.4	127.3	125.6	121.7	116.6	111.8	107.9	103.1
70°	113.1	107.5	103.5	99.2	98.4	94.4	91.0	85.8	81.4	76.3	69.3
72.5°	84.9	79.2	76.3	71.9	69.3	67.2	62.4	57.6	50.7	46.7	40.7
75°	59.8	55.0	50.7	46.3	44.6	41.6	37.7	32.5	28.1	24.2	19.9
77.5°	37.2	34.3	30.4	26.9	25.2	23.4	20.3	16.5	13.4	10.4	7.8
80°	21.3	18.6	16.1	13.4	12.6	11.7	9.1	7.0	5.6	3.9	2.6
82.5°	9.9	8.2	7.0	5.6	5.2	4.3	3.1	2.1	1.3	0.8	0.4
85°	3.1	2.1	1.7	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1
2.5°	1308.6	1309.0	1309.5	1309.5	1309.5	1309.9	1309.9	1310.7	1311.1	1311.6	1311.6
5°	1301.6	1302.9	1303.9	1304.3	1304.7	1306.0	1306.4	1307.7	1308.6	1309.5	1310.3
7.5°	1292.1	1293.4	1295.2	1296.0	1296.9	1298.6	1299.9	1302.1	1303.4	1305.1	1306.8
10°	1279.9	1281.7	1284.3	1285.2	1286.1	1288.2	1290.8	1293.4	1295.6	1298.1	1300.4
12.5°	1262.2	1264.8	1267.9	1268.7	1270.0	1273.1	1276.1	1279.9	1283.0	1286.5	1290.0
15°	1240.2	1243.6	1245.8	1246.6	1248.3	1252.7	1255.7	1260.1	1264.8	1270.0	1273.9
17.5°	1209.4	1211.1	1215.0	1216.7	1218.9	1223.3	1228.0	1233.2	1237.5	1243.1	1249.3
20°	1169.1	1171.6	1176.5	1178.2	1180.7	1184.7	1191.6	1196.0	1202.8	1209.8	1214.2
22.5°	1118.9	1123.6	1128.4	1130.5	1132.3	1137.1	1141.8	1149.2	1154.8	1164.3	1170.0
25°	1066.8	1068.2	1072.1	1075.9	1076.9	1082.9	1088.5	1097.2	1102.8	1108.9	1116.6
27.5°	1007.1	1008.9	1014.9	1015.8	1016.2	1022.7	1029.2	1036.2	1040.9	1047.8	1051.7
30°	944.7	947.7	950.4	952.1	955.1	958.1	964.2	972.9	976.3	982.4	987.6
32.5°	881.0	881.0	887.1	887.6	889.3	896.2	899.6	904.9	910.9	915.7	915.3
35°	817.8	819.6	821.7	824.7	826.0	830.3	831.6	835.5	839.4	842.9	847.3
37.5°	752.4	752.4	757.2	759.4	760.7	762.8	765.0	768.9	771.0	772.3	774.9
40°	690.0	691.8	692.6	693.5	693.5	696.6	698.2	701.3	702.6	706.1	704.3
42.5°	626.8	625.9	626.3	628.6	629.0	630.7	631.9	633.7	635.4	634.6	637.6
45°	559.6	560.1	561.0	561.0	562.2	564.5	566.6	567.4	568.7	570.9	571.3
47.5°	489.5	491.6	490.3	493.8	494.7	495.1	500.3	500.7	505.0	506.0	506.0
50°	424.1	424.1	426.6	427.9	428.9	430.1	431.8	433.6	434.9	438.0	438.8
52.5°	365.2	366.0	366.0	364.7	366.0	366.0	370.4	370.8	370.4	371.2	372.5
55°	312.3	312.7	310.1	311.9	311.5	310.1	311.1	308.4	308.0	309.3	308.4
57.5°	261.7	259.9	259.4	257.3	257.3	255.1	253.0	253.0	251.2	248.2	247.8
60°	216.2	213.5	211.8	210.5	207.1	204.9	201.9	199.3	195.8	191.9	189.7
62.5°	173.2	170.3	166.8	165.0	162.5	157.3	153.4	149.4	143.8	140.3	136.9
65°	135.2	130.4	124.8	122.2	119.5	114.8	109.6	103.1	97.5	92.6	86.6
67.5°	97.9	92.6	87.0	83.1	80.6	75.0	68.9	63.2	56.8	51.5	48.5
70°	64.1	57.6	52.5	49.4	46.7	41.1	35.5	30.8	27.7	26.4	26.0
72.5°	36.4	29.9	26.0	23.0	20.8	16.9	13.9	12.2	11.2	10.8	9.9
75°	15.5	11.7	9.1	7.4	6.5	5.2	4.8	4.8	4.8	4.3	4.3
77.5°	5.6	3.9	3.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
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



TEST NUMBER: P844323

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B40 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1
2.5°	1312.0	1312.9	1312.9	1313.4	1313.8	1313.8	1313.8	1313.8
5°	1311.1	1312.0	1312.5	1312.9	1313.4	1313.8	1313.8	1313.8
7.5°	1307.7	1309.5	1309.9	1310.7	1311.6	1312.0	1312.0	1312.5
10°	1302.5	1304.3	1305.5	1306.4	1307.2	1308.2	1309.0	1309.0
12.5°	1293.0	1295.6	1297.3	1298.1	1300.4	1301.2	1302.1	1302.9
15°	1277.4	1280.9	1283.0	1284.7	1286.5	1289.0	1289.5	1290.8
17.5°	1254.0	1258.8	1259.6	1262.2	1264.4	1268.7	1268.3	1268.7
20°	1220.2	1225.4	1227.2	1229.7	1233.2	1236.3	1238.8	1236.7
22.5°	1175.1	1181.3	1183.8	1186.5	1188.6	1191.2	1194.7	1195.1
25°	1121.9	1127.1	1129.2	1131.0	1135.3	1137.5	1141.0	1141.4
27.5°	1060.8	1063.9	1066.8	1067.8	1072.5	1073.8	1076.9	1076.9
30°	991.5	995.0	998.4	999.8	1001.1	1002.3	1004.5	1005.8
32.5°	920.5	923.9	925.2	927.4	927.9	930.0	929.1	932.6
35°	849.4	850.3	851.6	851.2	854.1	853.7	857.2	856.8
37.5°	778.0	777.0	779.3	781.4	780.5	779.7	781.0	778.8
40°	706.5	706.9	707.3	709.6	707.3	708.6	707.8	707.3
42.5°	639.8	639.8	637.2	639.8	638.1	637.2	638.9	636.3
45°	572.2	571.8	572.2	572.6	572.6	572.6	570.9	572.6
47.5°	508.1	508.5	506.8	509.8	508.9	507.2	507.2	506.0
50°	440.1	442.7	445.7	443.1	445.3	444.0	442.7	444.0
52.5°	375.6	377.3	375.1	375.6	380.3	380.3	377.7	377.3
55°	306.7	306.7	307.6	308.0	308.4	314.0	311.1	311.9
57.5°	245.2	245.2	243.9	246.4	244.7	242.6	244.7	239.1
60°	186.2	185.8	184.6	182.8	178.4	177.2	172.4	172.0
62.5°	132.5	127.8	126.1	122.6	117.8	116.6	111.8	111.4
65°	82.3	76.7	75.0	73.2	71.1	70.6	68.9	69.7
67.5°	46.7	45.9	45.5	44.2	43.4	42.4	42.4	42.0
70°	24.6	23.0	22.5	22.1	22.1	20.3	19.9	20.8
72.5°	9.5	8.7	8.7	8.7	8.2	8.2	8.2	8.2
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4
87.5°	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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)