

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: P844338

Luminaire Tested: **LD6C30DE010B50 EU6C30B50 6LBLDWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C30DE010B50 EU6C30B50 6LBLDWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

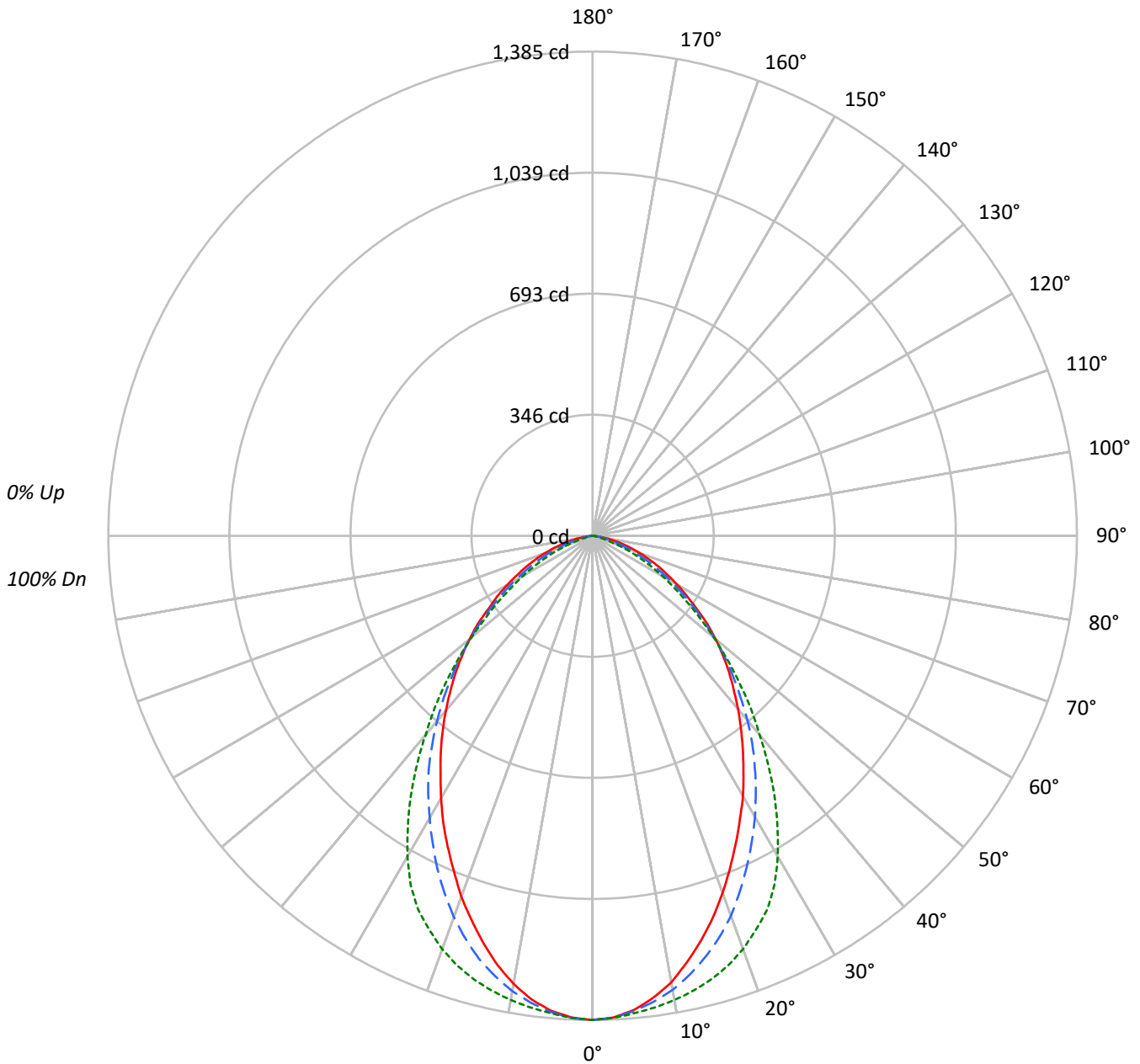
Lumens per Lamp: N/A  
Luminaire Lumens: 2479.1 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
RC	80									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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77																			
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67																			
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59																			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53																			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	75926	75926	75926
5°	74917	75451	75044
10°	72182	75065	72460
15°	68025	74535	68468
20°	63396	73378	64067
25°	58624	71405	59326
30°	54445	67029	54825
35°	50105	60626	50654
40°	46301	53178	46730
45°	42772	45958	42919
50°	39120	38532	39086
55°	34560	31464	34694
60°	30524	25239	30973
65°	26877	18783	27059
70°	22616	11781	23209
75°	17919	4999	18406
80°	11996	1168	12849
85°	4906	252	5787



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.0	5.2
10°-20°	352.1	14.2
20°-30°	486.1	19.6
30°-40°	511.4	20.6
40°-50°	440.4	17.8
50°-60°	313.5	12.6
60°-70°	176.8	7.1
70°-80°	62.7	2.5
80°-90°	7.1	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°	967.3	39.0
0°-40°	1478.7	59.6
0°-60°	2232.6	90.1
0°-90°	2479.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2479.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1385	1385	1385	1385	1385	
5°	1361	1365	1371	1367	1364	128
15°	1199	1247	1313	1254	1206	336
25°	969	1044	1180	1050	981	446
35°	749	809	906	817	757	469
45°	552	567	593	568	554	425
55°	362	350	329	350	363	326
65°	207	178	145	179	209	205
75°	85	57	24	58	87	91
85°	8	4	0	4	9	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°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1378.9	1379.4	1379.4	1379.9	1379.4	1379.4	1379.9	1379.9	1379.4	1379.9	1379.9
5°	1361.4	1361.0	1361.4	1361.8	1363.2	1363.2	1362.8	1362.8	1364.1	1363.7	1364.7
7.5°	1332.7	1332.7	1334.1	1335.1	1335.1	1335.5	1336.4	1338.2	1340.1	1340.6	1343.8
10°	1296.7	1297.1	1296.7	1298.5	1299.8	1302.2	1301.7	1305.0	1308.2	1312.8	1318.9
12.5°	1249.0	1250.4	1253.2	1253.2	1257.3	1259.6	1259.2	1266.6	1272.5	1278.2	1285.6
15°	1198.6	1198.2	1200.4	1204.1	1208.3	1211.5	1212.9	1222.6	1228.7	1238.0	1247.2
17.5°	1144.5	1143.1	1146.8	1149.1	1156.1	1160.2	1163.0	1171.3	1181.1	1192.2	1204.6
20°	1086.7	1089.0	1089.9	1093.2	1102.4	1105.7	1110.3	1119.5	1129.2	1142.2	1156.5
22.5°	1027.5	1030.8	1032.6	1036.8	1044.2	1047.0	1051.6	1064.9	1075.6	1087.1	1100.6
25°	969.2	972.9	976.2	981.3	986.3	990.5	996.5	1005.8	1017.8	1028.4	1043.7
27.5°	912.3	915.6	916.5	922.6	928.6	934.1	937.4	948.5	958.6	971.5	986.3
30°	860.1	858.3	860.6	865.7	872.5	876.2	881.9	889.3	900.4	912.8	928.1
32.5°	802.7	802.7	806.4	812.5	818.1	820.8	822.6	832.8	843.9	855.9	868.4
35°	748.7	750.5	753.8	757.5	763.5	765.7	770.0	777.4	786.1	799.6	808.8
37.5°	696.5	697.8	701.0	704.7	709.4	714.0	715.8	723.7	730.2	741.3	750.1
40°	647.0	647.4	651.1	652.5	656.7	658.5	662.2	666.3	675.6	680.3	688.5
42.5°	597.0	599.3	600.7	603.9	604.4	608.1	609.9	611.3	618.7	621.5	626.1
45°	551.7	551.7	553.0	553.0	555.4	554.0	556.7	559.5	560.0	564.7	567.4
47.5°	504.5	503.1	505.0	504.5	504.1	504.1	505.0	505.4	506.8	510.1	511.5
50°	458.7	455.5	455.5	455.0	454.6	455.9	455.9	455.5	455.5	456.9	455.5
52.5°	412.1	411.1	408.8	407.0	406.0	406.0	406.0	404.1	404.1	403.3	400.0
55°	361.6	363.0	362.0	361.2	360.7	359.3	359.3	357.0	353.2	351.5	349.5
57.5°	318.1	320.0	320.0	318.1	315.8	315.0	312.6	311.3	308.0	304.7	301.0
60°	278.4	280.7	277.4	276.0	275.6	274.2	273.3	268.2	264.9	261.8	257.5
62.5°	240.5	241.4	239.0	237.7	236.3	234.9	234.5	230.2	224.7	220.6	215.4
65°	207.2	205.8	204.9	202.5	200.2	198.4	198.4	192.8	187.7	182.7	177.6
67.5°	172.5	173.5	172.0	170.2	166.5	164.7	161.8	158.1	153.6	148.4	142.5
70°	141.1	140.6	139.2	137.4	135.1	131.8	129.5	127.7	121.2	115.2	110.1
72.5°	112.3	111.9	110.5	108.2	105.0	103.5	101.7	97.1	92.0	86.9	81.4
75°	84.6	85.0	82.8	81.9	78.2	76.8	76.3	70.8	66.6	62.0	56.9
77.5°	60.6	60.6	58.3	56.4	54.6	53.6	51.8	48.5	45.3	40.7	36.5
80°	38.0	38.0	38.0	36.1	34.3	33.3	31.9	29.6	26.3	23.6	20.8
82.5°	20.3	20.3	19.5	18.9	18.1	17.1	16.6	15.8	13.4	12.1	10.2
85°	7.8	7.8	7.4	7.4	6.5	6.5	6.0	5.5	4.7	4.1	3.7
87.5°	1.0	1.0	1.0	1.0	0.4	0.4	0.4	0.4	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):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1380.3	1380.3	1379.9	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.8
5°	1365.5	1366.9	1367.4	1367.8	1368.8	1369.2	1369.7	1370.2	1370.6	1371.1	1371.1
7.5°	1346.6	1349.9	1352.2	1354.4	1355.4	1356.3	1357.7	1359.5	1361.0	1361.0	1360.4
10°	1323.9	1328.1	1332.7	1336.8	1338.2	1340.6	1342.9	1345.6	1348.0	1348.5	1348.5
12.5°	1294.3	1299.0	1307.2	1314.2	1317.0	1320.2	1324.9	1329.0	1331.3	1332.7	1332.3
15°	1257.3	1267.0	1278.6	1286.5	1290.2	1295.7	1303.1	1307.8	1311.5	1313.3	1312.3
17.5°	1217.1	1229.6	1242.1	1252.7	1257.8	1263.3	1273.5	1281.9	1287.4	1288.8	1287.9
20°	1171.3	1185.2	1198.6	1212.0	1218.9	1225.5	1236.1	1246.7	1255.9	1257.8	1256.4
22.5°	1116.8	1132.5	1148.7	1163.9	1171.8	1177.8	1193.0	1205.1	1215.7	1220.3	1217.1
25°	1060.4	1077.0	1094.1	1107.6	1116.3	1126.5	1140.3	1154.2	1167.2	1180.5	1168.6
27.5°	1000.2	1015.5	1033.5	1052.0	1060.4	1067.8	1082.1	1099.6	1113.1	1126.5	1113.1
30°	940.1	959.5	975.7	992.0	1001.2	1009.9	1024.3	1038.6	1051.6	1058.9	1050.7
32.5°	883.7	898.0	914.2	930.0	936.4	943.3	955.4	968.8	981.3	983.6	978.0
35°	824.5	837.0	850.4	860.6	868.4	875.8	886.5	894.8	898.0	905.9	900.4
37.5°	757.5	768.6	780.5	787.9	794.9	800.9	808.8	816.2	818.9	825.0	820.8
40°	694.1	703.3	710.3	718.1	721.8	727.9	731.1	737.1	740.3	743.1	743.6
42.5°	633.1	638.2	643.3	648.8	650.1	651.6	659.4	663.6	666.8	668.6	665.9
45°	570.6	575.7	577.6	581.7	584.0	585.0	588.3	588.7	589.6	592.8	591.4
47.5°	513.8	514.2	515.6	517.5	518.3	518.3	520.3	518.3	519.3	519.7	520.7
50°	454.1	457.3	454.1	455.9	456.4	455.9	454.6	453.6	452.2	451.8	451.3
52.5°	397.7	398.2	396.3	394.9	393.5	394.0	390.3	388.5	388.9	386.1	389.3
55°	346.4	344.5	340.3	339.0	335.7	335.3	334.8	332.5	328.8	329.2	330.2
57.5°	296.9	293.6	289.5	287.1	286.2	282.5	282.1	278.4	276.0	275.6	275.6
60°	252.0	249.3	245.1	240.9	237.7	235.9	233.5	229.8	230.8	230.2	228.0
62.5°	209.5	206.2	200.2	195.6	193.8	192.4	189.1	186.4	185.0	186.4	185.0
65°	171.5	166.5	159.5	154.9	154.4	152.6	148.9	147.0	145.6	144.8	146.2
67.5°	136.4	129.5	125.3	119.3	116.6	115.6	110.5	107.8	108.2	107.8	108.2
70°	104.1	97.1	91.6	86.9	83.2	81.9	79.1	75.4	74.9	73.5	75.4
72.5°	75.4	69.4	64.3	59.2	55.9	54.2	50.4	46.7	45.8	44.8	44.8
75°	51.8	46.7	41.1	36.5	34.3	32.4	28.7	25.9	23.6	23.6	23.6
77.5°	32.4	28.2	24.0	20.8	19.5	17.6	14.4	11.5	10.7	9.2	9.7
80°	18.5	15.2	12.9	10.7	9.2	8.4	6.5	5.1	3.7	3.7	3.7
82.5°	8.8	7.4	5.5	4.7	4.1	3.3	2.3	1.8	1.4	1.0	1.0
85°	2.7	2.3	1.8	1.4	1.0	1.0	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°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1380.3	1380.8	1380.3	1380.8	1380.3	1381.3	1381.3	1380.8	1380.8	1380.8	1380.3
5°	1370.6	1370.6	1370.2	1370.2	1370.2	1369.7	1368.4	1368.4	1367.4	1366.9	1366.0
7.5°	1360.0	1359.1	1357.7	1357.3	1355.8	1354.4	1351.7	1349.3	1347.5	1345.2	1342.9
10°	1347.0	1344.8	1341.9	1340.1	1339.2	1335.9	1331.8	1326.3	1322.6	1318.3	1313.8
12.5°	1330.4	1327.6	1322.6	1318.9	1316.5	1310.5	1304.5	1297.6	1290.2	1282.8	1278.2
15°	1308.7	1304.1	1297.6	1293.9	1289.7	1281.4	1270.7	1261.0	1253.6	1245.4	1234.3
17.5°	1283.2	1276.2	1267.5	1261.5	1256.4	1245.4	1232.8	1220.3	1209.2	1199.0	1187.9
20°	1248.1	1239.8	1229.1	1221.2	1216.2	1201.9	1188.5	1173.7	1160.2	1148.2	1135.3
22.5°	1207.0	1193.0	1182.4	1173.1	1167.6	1151.4	1136.6	1120.9	1106.6	1095.9	1082.1
25°	1155.1	1141.7	1128.3	1120.9	1112.1	1095.1	1079.7	1063.6	1050.1	1036.8	1023.8
27.5°	1100.2	1084.4	1069.6	1060.8	1053.0	1036.3	1021.0	1006.2	991.0	976.2	964.7
30°	1040.0	1024.3	1012.7	1001.6	992.8	979.4	960.4	945.6	932.2	918.9	906.8
32.5°	972.9	960.0	946.2	940.6	934.1	917.9	903.1	888.8	875.4	862.0	849.5
35°	895.3	885.1	876.8	870.7	866.6	852.2	840.7	825.5	817.1	803.7	794.5
37.5°	815.8	810.7	805.1	797.7	791.6	783.4	776.4	763.9	754.2	744.5	734.3
40°	739.4	733.9	726.5	722.8	721.4	714.0	704.3	697.8	692.2	683.4	677.9
42.5°	664.9	662.2	654.8	653.0	651.1	644.6	640.0	634.5	630.8	624.3	621.5
45°	589.1	588.7	586.8	585.0	584.0	579.4	578.5	571.5	568.4	566.9	564.1
47.5°	522.0	520.7	517.9	520.7	516.5	516.0	516.0	514.6	513.3	509.6	509.1
50°	453.6	455.9	456.4	455.0	457.8	457.3	455.0	455.5	456.4	458.3	455.5
52.5°	390.8	392.6	395.9	394.5	396.7	399.0	398.2	401.9	400.4	402.3	406.0
55°	331.1	336.2	339.4	338.0	339.9	342.7	343.6	346.8	349.5	352.8	355.2
57.5°	279.7	281.1	285.8	287.1	287.7	289.9	294.6	299.6	302.9	305.2	307.6
60°	229.4	233.9	237.2	237.2	240.9	244.2	248.3	253.0	256.7	262.2	266.3
62.5°	186.8	187.7	192.4	192.8	195.6	201.2	204.4	211.3	216.0	222.0	227.5
65°	145.6	149.9	152.6	153.0	157.3	161.4	166.0	172.5	179.0	184.0	189.1
67.5°	109.1	111.5	115.2	118.3	119.3	125.3	132.2	138.2	143.8	148.4	154.9
70°	76.3	78.2	83.2	85.0	87.9	92.4	98.0	104.5	110.9	117.5	122.6
72.5°	46.7	50.9	54.2	56.9	59.2	64.7	70.8	76.3	81.9	87.4	93.9
75°	25.9	28.7	32.4	35.1	37.4	41.7	47.2	52.7	57.9	62.9	67.5
77.5°	11.5	14.4	17.6	19.5	21.3	25.0	29.1	33.7	38.0	41.7	45.8
80°	4.7	6.5	8.4	9.7	10.7	12.9	16.2	18.5	21.3	24.5	27.7
82.5°	1.8	2.3	3.3	4.1	4.7	6.0	7.4	8.8	11.1	12.5	14.4
85°	0.4	0.4	1.0	1.0	1.4	1.8	2.3	3.3	3.7	4.1	5.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	1.0
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: P844338

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBDWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1380.3	1379.9	1379.9	1379.9	1379.9	1379.4	1379.4	1379.4
5°	1366.5	1365.5	1365.1	1365.1	1363.7	1364.1	1364.1	1363.7
7.5°	1341.9	1341.1	1339.6	1340.6	1340.1	1338.8	1338.2	1337.8
10°	1310.1	1308.2	1307.8	1305.4	1304.1	1303.5	1303.5	1301.7
12.5°	1272.1	1267.0	1266.6	1264.3	1261.0	1259.2	1260.1	1257.3
15°	1230.0	1222.6	1218.9	1217.1	1213.4	1210.1	1207.4	1206.4
17.5°	1178.7	1170.4	1167.6	1165.7	1157.9	1157.5	1153.8	1152.4
20°	1125.1	1117.7	1113.5	1110.7	1104.7	1099.2	1098.8	1098.2
22.5°	1072.9	1060.8	1057.1	1053.0	1046.4	1041.9	1039.0	1036.8
25°	1013.6	1003.9	997.5	993.3	988.7	985.0	981.3	980.8
27.5°	954.4	945.2	941.1	937.4	931.4	927.1	923.4	925.3
30°	896.7	887.4	882.8	880.0	874.0	871.7	865.3	866.1
32.5°	839.3	831.0	827.7	822.2	816.6	813.8	811.5	809.7
35°	784.2	777.4	772.7	769.0	763.9	759.3	756.9	756.9
37.5°	728.3	721.4	719.1	716.3	711.7	705.2	702.9	704.7
40°	671.5	666.3	664.1	662.2	657.5	655.3	653.0	653.0
42.5°	617.3	612.3	611.8	609.9	606.2	604.9	603.0	601.6
45°	561.0	558.6	556.7	556.7	556.3	555.8	554.4	553.6
47.5°	506.8	507.2	506.4	505.9	506.4	505.0	506.8	505.4
50°	457.3	456.4	457.3	456.4	456.9	458.7	456.9	458.3
52.5°	404.7	408.8	409.2	407.4	409.2	410.7	411.5	413.9
55°	357.9	359.3	360.2	362.0	363.0	365.7	363.0	363.0
57.5°	312.6	315.0	315.8	317.2	320.9	319.5	321.8	323.7
60°	271.5	274.2	276.0	277.4	278.8	282.1	283.0	282.5
62.5°	231.2	235.3	235.9	239.6	240.5	242.7	244.6	242.7
65°	193.8	197.5	200.2	202.5	205.3	207.6	207.2	208.6
67.5°	159.5	164.1	166.5	167.4	171.1	172.0	174.3	175.7
70°	128.5	131.8	134.5	135.9	138.2	141.1	143.3	144.8
72.5°	98.0	103.1	105.9	106.8	110.5	112.3	113.3	114.6
75°	72.6	76.8	78.2	80.5	82.3	86.5	86.0	86.9
77.5°	50.4	53.2	55.9	55.9	59.2	60.1	62.4	62.9
80°	30.0	33.3	34.7	35.1	37.4	38.8	39.8	40.7
82.5°	15.8	18.1	18.1	18.9	20.8	20.8	21.3	22.2
85°	6.0	7.0	7.4	7.4	7.8	8.8	8.8	9.2
87.5°	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4
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)