

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: P844340

Luminaire Tested: **LD6C30DE010B50 EU6C30B50 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844340  
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: LD6C30DE010B50 EU6C30B50 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

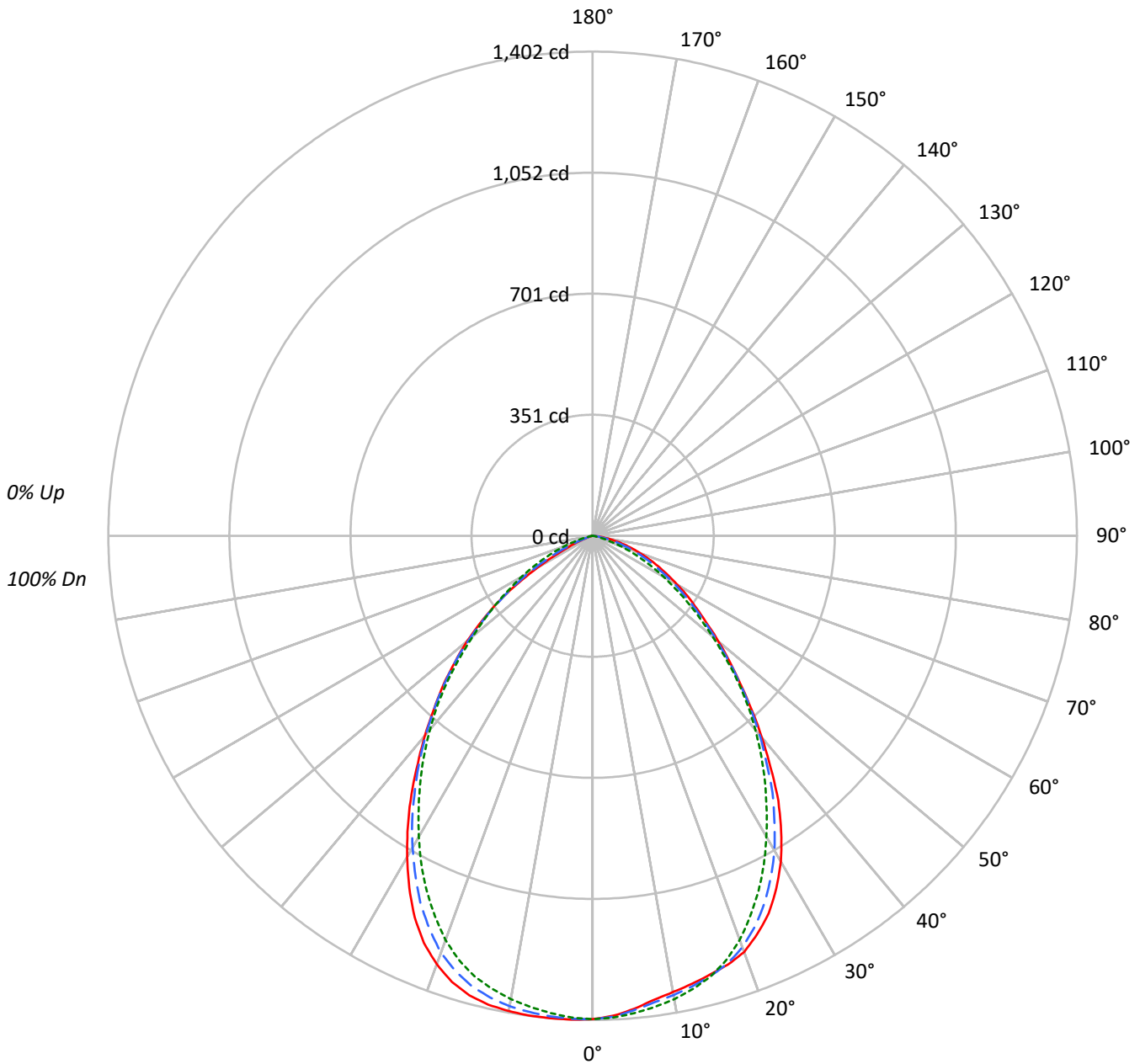
Lumens per Lamp: N/A  
Luminaire Lumens: 2574.3 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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

	0°	90°	180°
0°	76737	76737	76737
5°	75677	76343	77179
10°	74676	75828	77793
15°	74643	74955	78207
20°	74807	72649	77018
25°	72972	68695	73704
30°	68992	63693	67966
35°	62727	58183	61208
40°	54531	52384	54044
45°	46749	45927	47393
50°	40545	38489	40417
55°	35182	31989	31817
60°	30973	25908	20130
65°	27175	19678	9664
70°	23337	13047	3558
75°	18999	5486	996
80°	12849	1294	442
85°	5284	252	252



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.8	5.1
10°-20°	375.5	14.6
20°-30°	538.1	20.9
30°-40°	560.8	21.8
40°-50°	464.6	18.0
50°-60°	308.0	12.0
60°-70°	149.1	5.8
70°-80°	42.2	1.6
80°-90°	4.1	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°	1045.4	40.6
0°-40°	1606.3	62.4
0°-60°	2378.8	92.4
0°-90°	2574.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2574.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1400	1400	1400	1400	1400	
5°	1375	1379	1387	1397	1402	130
15°	1315	1320	1321	1350	1378	372
25°	1206	1176	1136	1177	1218	552
35°	937	908	869	896	915	581
45°	603	601	592	607	611	469
55°	368	356	335	329	333	332
65°	210	189	152	104	74	209
75°	90	68	26	5	5	96
85°	8	4	0	0	0	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°	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8
2.5°	1391.0	1391.4	1392.4	1391.4	1391.8	1392.4	1392.4	1392.8	1392.8	1393.2	1393.7
5°	1375.2	1376.6	1376.6	1376.6	1376.6	1377.0	1377.6	1377.6	1377.0	1377.0	1378.9
7.5°	1355.4	1356.7	1356.3	1356.7	1357.2	1358.5	1358.1	1359.1	1360.0	1361.4	1363.2
10°	1341.5	1341.9	1341.5	1342.9	1343.8	1344.7	1344.7	1345.6	1346.6	1348.0	1350.3
12.5°	1329.0	1329.4	1329.9	1330.8	1331.8	1331.3	1332.2	1333.1	1333.6	1334.5	1335.9
15°	1315.2	1317.4	1317.0	1317.4	1317.9	1318.3	1318.8	1319.3	1318.8	1318.8	1319.7
17.5°	1302.2	1302.6	1303.1	1303.1	1303.1	1303.1	1302.2	1302.2	1300.8	1299.4	1298.5
20°	1282.3	1281.9	1280.9	1280.9	1279.0	1279.5	1277.6	1276.8	1274.4	1271.2	1268.0
22.5°	1247.6	1249.9	1249.0	1245.8	1243.9	1243.9	1242.1	1237.9	1234.2	1230.5	1226.3
25°	1206.4	1205.5	1204.1	1202.3	1199.5	1197.7	1194.9	1192.2	1186.1	1179.6	1175.9
27.5°	1151.4	1152.8	1149.5	1146.8	1145.4	1142.7	1139.8	1136.1	1128.8	1123.2	1116.8
30°	1089.9	1089.0	1088.5	1084.8	1081.1	1082.1	1076.5	1072.3	1066.8	1057.5	1052.5
32.5°	1016.0	1017.3	1014.6	1014.1	1007.2	1006.2	1006.2	999.8	995.1	986.3	979.4
35°	937.3	936.4	935.5	932.2	931.8	929.0	926.7	922.0	916.0	913.3	907.8
37.5°	846.6	847.2	847.6	847.6	845.8	843.9	842.1	842.1	833.7	832.4	825.9
40°	762.0	763.4	763.0	759.8	760.2	760.7	760.2	759.8	754.6	752.8	751.9
42.5°	679.7	682.1	679.7	679.3	679.7	679.7	678.8	680.2	677.9	679.7	675.6
45°	603.0	604.9	603.5	603.0	602.1	604.3	601.6	603.9	602.5	600.2	601.2
47.5°	536.9	535.1	536.9	535.9	534.5	532.7	535.5	534.1	530.8	530.4	531.4
50°	475.4	474.5	475.4	474.9	472.6	472.6	472.1	471.2	470.3	467.5	465.7
52.5°	416.6	419.9	417.6	419.9	416.6	415.2	415.8	414.3	412.5	411.5	407.8
55°	368.1	368.6	368.6	368.6	366.7	365.7	364.9	363.9	363.9	359.8	356.1
57.5°	326.0	325.1	324.6	323.2	322.3	321.4	320.5	317.7	314.9	311.2	308.4
60°	282.5	283.4	283.4	281.6	280.3	278.8	278.4	276.6	273.3	269.6	265.5
62.5°	245.1	246.0	243.7	243.7	240.9	240.5	240.5	237.7	233.9	229.8	225.2
65°	209.5	209.0	209.9	206.7	207.2	204.4	203.5	202.1	198.4	193.3	189.1
67.5°	175.7	176.6	175.2	174.3	172.5	171.5	170.6	166.5	164.6	160.0	155.4
70°	145.6	144.7	143.8	143.8	141.9	140.6	140.1	135.5	133.2	129.5	124.4
72.5°	117.5	116.6	115.6	114.2	112.8	112.3	109.6	106.8	104.1	99.4	95.7
75°	89.7	89.3	88.3	87.4	85.0	84.2	83.7	80.5	75.4	71.7	68.4
77.5°	64.7	65.2	63.4	61.6	60.1	58.7	57.9	55.0	51.8	47.6	44.4
80°	40.7	41.1	40.7	39.3	37.4	37.0	35.6	33.7	31.0	28.2	25.9
82.5°	21.7	21.7	21.3	20.8	19.5	19.5	18.5	17.1	15.8	14.4	12.5
85°	8.4	8.4	7.8	7.4	7.0	7.0	6.5	6.0	5.1	4.7	3.7
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°	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8
2.5°	1393.7	1394.2	1394.7	1395.1	1395.1	1395.1	1395.5	1396.1	1396.1	1396.5	1396.9
5°	1379.9	1380.3	1381.7	1382.1	1383.1	1382.6	1384.0	1385.4	1386.3	1387.3	1388.7
7.5°	1364.1	1365.5	1367.4	1368.8	1369.2	1369.6	1371.1	1372.9	1374.3	1376.2	1377.6
10°	1351.2	1352.6	1354.4	1356.3	1356.3	1357.2	1358.1	1359.5	1360.9	1362.2	1364.1
12.5°	1336.8	1338.6	1339.2	1340.1	1340.1	1340.6	1341.5	1341.9	1343.3	1343.8	1346.6
15°	1319.7	1319.7	1319.7	1319.7	1319.7	1319.3	1318.3	1319.3	1319.3	1320.7	1322.0
17.5°	1296.1	1296.1	1293.4	1292.0	1292.4	1290.1	1289.7	1287.9	1287.9	1287.9	1289.3
20°	1265.1	1261.0	1257.7	1253.6	1251.8	1250.9	1249.9	1245.8	1245.3	1245.3	1245.3
22.5°	1221.2	1216.6	1212.0	1208.8	1203.7	1201.8	1200.0	1197.2	1194.0	1192.2	1196.3
25°	1167.6	1162.0	1156.5	1150.1	1148.7	1146.4	1141.7	1139.0	1137.6	1135.7	1136.6
27.5°	1110.7	1102.9	1096.9	1090.4	1088.1	1085.3	1081.1	1077.0	1072.3	1073.3	1073.3
30°	1045.6	1036.3	1029.8	1022.0	1021.5	1018.7	1015.0	1009.9	1006.2	1006.2	1008.6
32.5°	974.8	968.3	962.3	953.5	952.1	950.3	947.5	942.9	940.1	937.3	939.2
35°	903.1	893.0	888.7	883.2	883.7	878.6	874.5	871.7	872.1	869.4	870.7
37.5°	825.9	819.9	813.8	811.5	809.2	806.4	804.6	802.7	801.8	801.8	800.9
40°	747.7	744.5	741.7	740.8	736.6	737.6	737.1	735.7	732.9	732.0	734.7
42.5°	674.2	671.0	669.6	667.3	666.8	665.5	665.5	664.0	663.6	664.0	663.6
45°	598.4	597.9	594.7	594.7	596.5	595.1	591.4	593.8	593.8	592.4	595.1
47.5°	528.5	529.0	527.1	523.4	523.4	521.1	518.3	520.7	522.0	519.7	521.1
50°	465.1	462.4	458.7	455.9	457.3	456.4	454.0	452.2	450.9	451.3	453.2
52.5°	405.1	403.7	399.6	396.3	395.3	395.9	393.0	390.3	390.8	390.3	389.3
55°	350.9	350.9	345.4	344.0	340.3	340.3	336.6	336.2	334.7	334.7	332.5
57.5°	304.3	300.2	296.9	293.6	292.2	290.4	289.1	285.8	284.4	281.6	281.1
60°	261.2	256.2	253.8	250.1	247.4	245.6	243.3	240.5	238.6	236.3	233.5
62.5°	222.8	217.3	212.7	209.0	206.7	206.2	202.5	199.3	195.6	192.8	188.2
65°	184.6	181.3	176.2	171.1	170.2	167.8	164.1	160.4	155.8	151.7	148.9
67.5°	150.7	146.6	141.9	139.2	135.9	134.1	130.0	124.4	119.3	115.2	110.1
70°	120.7	114.6	110.5	105.9	104.9	100.8	97.1	91.6	86.9	81.4	74.0
72.5°	90.6	84.6	81.4	76.8	74.0	71.7	66.6	61.6	54.2	49.9	43.5
75°	63.8	58.7	54.2	49.5	47.6	44.4	40.2	34.7	30.0	25.9	21.3
77.5°	39.8	36.5	32.4	28.7	26.9	25.0	21.7	17.6	14.4	11.1	8.4
80°	22.6	19.9	17.1	14.4	13.4	12.5	9.7	7.4	6.0	4.1	2.7
82.5°	10.7	8.8	7.4	6.0	5.5	4.7	3.3	2.3	1.4	1.0	0.4
85°	3.3	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°	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8
2.5°	1396.9	1397.5	1397.9	1397.9	1397.9	1398.4	1398.4	1399.2	1399.8	1400.2	1400.2
5°	1389.5	1391.0	1391.8	1392.4	1392.8	1394.2	1394.7	1396.1	1396.9	1397.9	1398.8
7.5°	1379.4	1380.7	1382.6	1383.6	1384.4	1386.3	1387.7	1390.0	1391.4	1393.2	1395.1
10°	1366.5	1368.3	1371.1	1372.0	1372.9	1375.2	1378.0	1380.7	1383.1	1385.8	1388.1
12.5°	1347.5	1350.3	1353.5	1354.4	1355.8	1359.1	1362.2	1366.5	1369.6	1373.3	1377.0
15°	1323.9	1327.6	1329.9	1330.8	1332.7	1337.3	1340.6	1345.2	1350.3	1355.8	1360.0
17.5°	1291.1	1293.0	1297.1	1298.9	1301.2	1305.9	1310.9	1316.5	1321.1	1327.1	1333.6
20°	1248.1	1250.9	1255.9	1257.7	1260.6	1264.7	1272.1	1276.8	1284.2	1291.6	1296.1
22.5°	1194.4	1199.5	1204.6	1206.9	1208.8	1213.8	1218.9	1226.7	1232.8	1242.9	1249.0
25°	1139.0	1140.3	1144.5	1148.7	1149.5	1156.0	1162.0	1171.3	1177.4	1183.8	1192.2
27.5°	1075.1	1077.0	1083.4	1084.4	1084.8	1091.8	1098.7	1106.1	1111.1	1118.6	1122.8
30°	1008.6	1011.7	1014.6	1016.4	1019.7	1022.8	1029.3	1038.6	1042.3	1048.7	1054.4
32.5°	940.6	940.6	947.0	947.5	949.3	956.7	960.4	966.0	972.5	977.6	977.0
35°	873.1	874.9	877.2	880.5	881.9	886.4	887.9	892.0	896.1	899.8	904.5
37.5°	803.2	803.2	808.3	810.6	812.1	814.3	816.6	820.8	823.1	824.5	827.3
40°	736.6	738.4	739.4	740.3	740.3	743.5	745.4	748.7	750.1	753.8	751.9
42.5°	669.2	668.2	668.6	671.0	671.4	673.3	674.7	676.6	678.4	677.4	680.7
45°	597.5	597.9	598.8	598.8	600.2	602.5	604.9	605.8	607.2	609.5	609.9
47.5°	522.6	524.8	523.4	527.1	528.1	528.5	534.1	534.5	539.2	540.1	540.1
50°	452.7	452.7	455.5	456.9	457.7	459.2	461.0	462.9	464.3	467.5	468.4
52.5°	389.8	390.8	390.8	389.3	390.8	390.8	395.3	395.9	395.3	396.3	397.7
55°	333.4	333.9	331.0	332.9	332.5	331.0	332.0	329.2	328.8	330.2	329.2
57.5°	279.3	277.4	277.0	274.7	274.7	272.3	270.0	270.0	268.2	264.9	264.5
60°	230.8	227.9	226.1	224.7	221.0	218.7	215.4	212.7	209.0	204.9	202.5
62.5°	185.0	181.7	178.0	176.2	173.5	167.8	163.7	159.5	153.6	149.9	146.2
65°	144.3	139.2	133.2	130.4	127.7	122.6	117.0	110.1	104.1	99.0	92.4
67.5°	104.5	99.0	93.0	88.7	86.0	80.0	73.5	67.5	60.6	55.0	51.8
70°	68.4	61.6	55.9	52.7	49.9	43.9	38.0	32.8	29.6	28.2	27.7
72.5°	38.8	31.9	27.7	24.5	22.2	18.1	14.8	12.9	12.1	11.5	10.7
75°	16.6	12.5	9.7	7.8	7.0	5.5	5.1	5.1	5.1	4.7	4.7
77.5°	6.0	4.1	3.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.0	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: P844340

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBLWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8
2.5°	1400.6	1401.6	1401.6	1402.0	1402.5	1402.5	1402.5	1402.5
5°	1399.8	1400.6	1401.2	1401.6	1402.0	1402.5	1402.5	1402.5
7.5°	1396.1	1397.9	1398.4	1399.2	1400.2	1400.6	1400.6	1401.2
10°	1390.5	1392.4	1393.7	1394.7	1395.5	1396.5	1397.5	1397.5
12.5°	1380.3	1383.1	1385.0	1385.8	1388.1	1389.1	1390.0	1391.0
15°	1363.7	1367.4	1369.6	1371.5	1373.3	1376.2	1376.6	1378.0
17.5°	1338.6	1343.8	1344.7	1347.5	1349.8	1354.4	1354.0	1354.4
20°	1302.6	1308.2	1310.0	1312.8	1316.5	1319.7	1322.5	1320.2
22.5°	1254.6	1261.0	1263.8	1266.5	1268.8	1271.7	1275.4	1275.8
25°	1197.7	1203.2	1205.5	1207.4	1212.0	1214.3	1218.0	1218.5
27.5°	1132.4	1135.7	1139.0	1139.8	1145.0	1146.4	1149.5	1149.5
30°	1058.5	1062.2	1065.9	1067.3	1068.6	1070.0	1072.3	1073.7
32.5°	982.6	986.3	987.7	990.1	990.5	992.8	991.8	995.6
35°	906.8	907.8	909.1	908.6	911.9	911.5	915.2	914.6
37.5°	830.5	829.6	831.9	834.2	833.3	832.4	833.7	831.4
40°	754.2	754.6	755.2	757.5	755.2	756.5	755.6	755.2
42.5°	683.0	683.0	680.2	683.0	681.1	680.2	682.1	679.3
45°	610.9	610.4	610.9	611.3	611.3	611.3	609.5	611.3
47.5°	542.5	542.9	541.0	544.3	543.3	541.5	541.5	540.1
50°	469.8	472.6	475.8	473.1	475.4	473.9	472.6	473.9
52.5°	400.9	402.7	400.4	400.9	406.0	406.0	403.3	402.7
55°	327.4	327.4	328.3	328.8	329.2	335.3	332.0	332.9
57.5°	261.8	261.8	260.4	263.1	261.2	258.9	261.2	255.2
60°	198.8	198.4	197.0	195.1	190.5	189.1	184.0	183.6
62.5°	141.5	136.4	134.5	130.8	125.8	124.4	119.3	118.9
65°	87.9	81.9	80.0	78.2	75.8	75.4	73.5	74.5
67.5°	49.9	49.0	48.5	47.2	46.2	45.3	45.3	44.8
70°	26.3	24.5	24.0	23.6	23.6	21.7	21.3	22.2
72.5°	10.2	9.2	9.2	9.2	8.8	8.8	8.8	8.8
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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)