

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: P844339

Luminaire Tested: **LD6C30DE010B50 EU6C30B50 6LBLWWH**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C30DE010B50 EU6C30B50 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

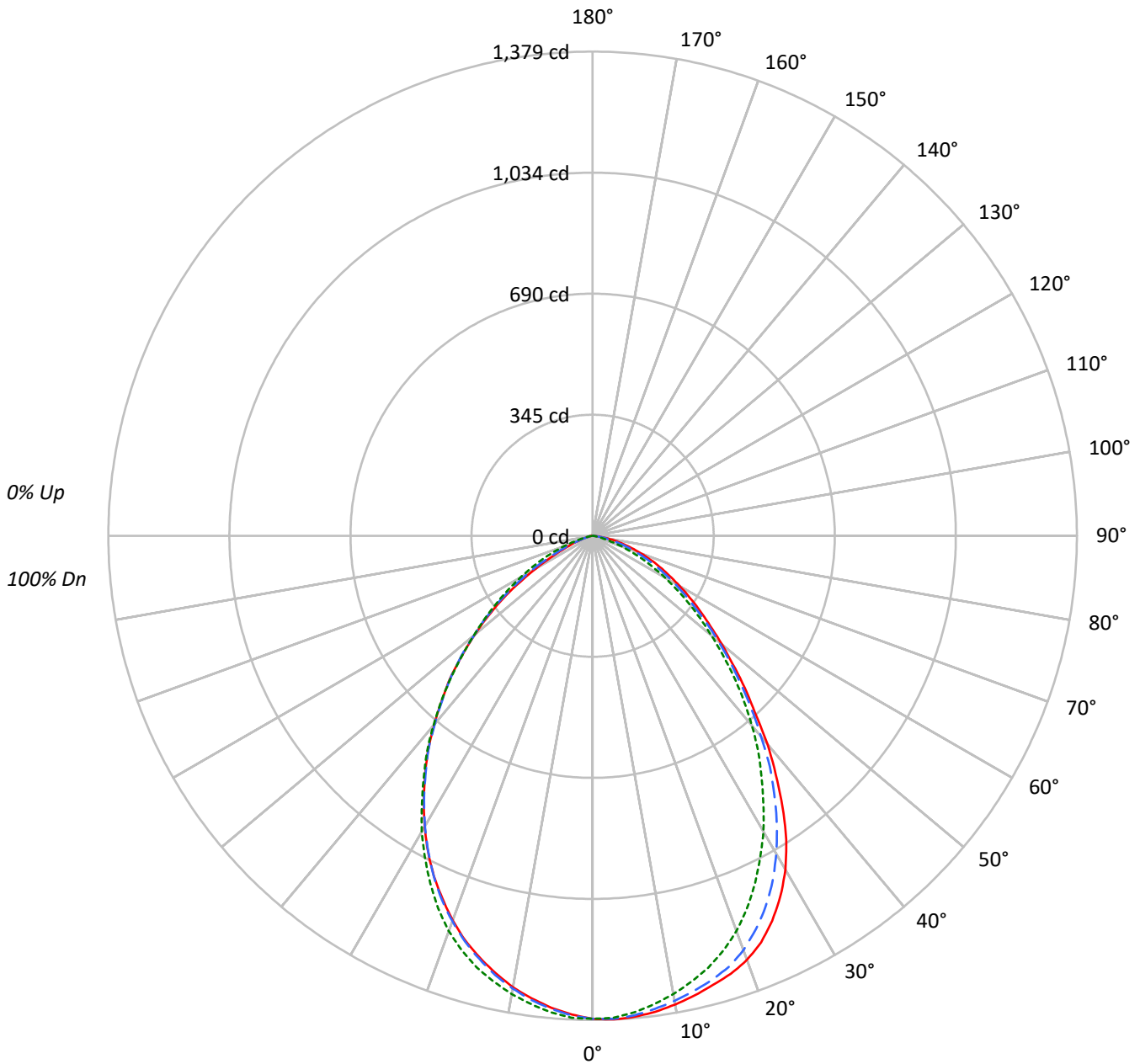
Lumens per Lamp: N/A  
Luminaire Lumens: 2502.4 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89								
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78								
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68								
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60								
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54								
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48								
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43								
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39								
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36								
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33								

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

	0°	90°	180°
0°	75416	75416	75416
5°	75677	74994	74251
10°	75450	73774	72694
15°	75165	72254	70574
20°	75000	69872	68005
25°	73172	66125	64673
30°	69517	61585	60560
35°	63102	56075	55707
40°	55368	50466	50201
45°	47470	44098	44454
50°	40860	37585	37389
55°	35717	31731	29791
60°	31379	26007	20327
65°	27461	20158	12232
70°	23433	13560	7181
75°	18915	7053	3918
80°	13165	2778	2210
85°	5284	881	1132



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	5.2
10°-20°	360.0	14.4
20°-30°	512.2	20.5
30°-40°	539.1	21.5
40°-50°	449.3	18.0
50°-60°	303.5	12.1
60°-70°	153.9	6.2
70°-80°	49.7	2.0
80°-90°	5.7	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°	1001.1	40.0
0°-40°	1540.2	61.6
0°-60°	2293.1	91.6
0°-90°	2502.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2502.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1376	1376	1376	1376	1376	
5°	1375	1371	1363	1353	1349	131
15°	1324	1310	1273	1248	1244	374
25°	1210	1166	1093	1070	1069	554
35°	943	902	838	830	832	587
45°	612	596	569	571	573	474
55°	374	356	332	322	312	336
65°	212	191	155	112	94	211
75°	89	70	33	18	18	96
85°	8	5	1	2	2	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°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1378.9	1378.9	1378.9	1378.9	1378.9	1378.9	1378.5	1378.5	1377.6	1377.6	1377.0
5°	1375.2	1375.7	1375.7	1375.2	1375.2	1374.3	1374.3	1373.9	1372.5	1371.5	1371.1
7.5°	1367.4	1367.4	1366.9	1366.5	1366.0	1364.6	1364.1	1362.8	1361.8	1360.9	1359.1
10°	1355.4	1355.4	1354.9	1354.0	1353.6	1352.6	1352.6	1350.7	1348.9	1346.6	1345.2
12.5°	1341.0	1341.5	1340.6	1340.1	1338.8	1338.2	1337.3	1335.1	1333.7	1330.8	1328.5
15°	1324.4	1325.3	1325.3	1323.4	1322.0	1321.6	1320.2	1318.9	1315.6	1312.8	1310.1
17.5°	1308.2	1309.1	1308.2	1306.8	1305.4	1303.5	1302.7	1299.8	1295.7	1292.0	1287.9
20°	1285.6	1286.9	1285.0	1282.8	1279.9	1279.5	1278.2	1273.5	1267.5	1262.0	1255.9
22.5°	1253.6	1252.7	1251.3	1250.4	1245.8	1243.0	1241.1	1235.1	1228.7	1221.2	1213.8
25°	1209.7	1211.5	1208.8	1204.6	1202.3	1199.6	1194.9	1188.5	1182.4	1174.5	1165.7
27.5°	1157.9	1157.9	1154.2	1152.8	1147.7	1144.0	1141.7	1135.3	1127.3	1119.5	1109.8
30°	1098.2	1095.5	1095.5	1089.0	1084.8	1083.4	1081.1	1070.5	1063.6	1055.2	1045.6
32.5°	1026.1	1025.7	1023.8	1019.7	1014.1	1009.5	1009.5	1002.1	992.8	982.6	976.6
35°	942.9	943.3	942.5	937.8	937.8	932.2	931.4	924.8	917.4	909.6	902.2
37.5°	856.9	858.7	856.9	854.6	853.2	852.7	848.5	843.9	838.4	833.7	828.2
40°	773.7	770.9	771.8	767.2	767.6	766.7	764.9	758.9	755.6	750.9	745.0
42.5°	684.0	686.7	687.7	684.8	684.0	682.1	684.0	681.6	677.9	675.6	670.0
45°	612.3	609.5	610.9	609.9	610.4	606.7	605.3	604.4	603.0	598.8	596.5
47.5°	541.1	541.5	541.1	539.2	538.2	538.2	536.4	533.7	533.7	530.8	529.0
50°	479.1	479.1	480.0	477.7	476.8	474.9	475.4	472.6	470.8	468.4	467.1
52.5°	422.2	422.6	420.8	421.3	420.3	420.3	418.5	416.6	414.8	410.7	409.7
55°	373.7	374.1	371.8	372.7	370.0	368.6	367.6	364.9	364.9	360.7	355.6
57.5°	328.3	327.9	327.4	326.0	324.2	322.8	321.4	318.1	316.8	314.0	309.8
60°	286.2	285.8	284.8	284.4	283.0	279.7	279.7	277.4	272.9	270.0	265.9
62.5°	246.4	246.4	246.0	244.6	243.3	241.9	240.9	239.0	234.5	231.2	227.5
65°	211.7	211.3	209.9	207.6	206.7	206.7	203.5	202.1	198.4	195.1	191.0
67.5°	178.5	176.6	175.7	176.2	173.5	173.5	170.6	168.3	165.1	159.5	156.3
70°	146.2	145.2	144.3	143.3	142.9	141.1	139.6	136.9	133.7	129.5	124.4
72.5°	117.0	117.0	115.6	114.6	113.3	111.5	110.5	108.2	104.5	99.8	96.1
75°	89.3	89.3	89.3	87.4	86.5	85.6	82.8	81.4	77.2	74.5	69.8
77.5°	65.7	64.7	63.4	62.9	62.0	61.0	59.7	57.3	53.6	50.4	47.6
80°	41.7	43.0	41.7	41.7	39.3	38.4	38.0	35.1	33.7	31.0	28.7
82.5°	23.2	23.6	22.6	22.2	20.8	20.3	20.3	18.5	17.6	15.8	14.4
85°	8.4	8.8	8.4	8.4	7.4	7.8	7.4	7.0	6.0	5.1	4.7
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1377.0	1376.2	1376.2	1375.7	1375.2	1375.2	1375.2	1374.8	1373.9	1373.9	1373.4
5°	1370.2	1369.2	1367.8	1366.9	1366.5	1366.0	1365.5	1365.1	1363.2	1362.8	1361.4
7.5°	1357.7	1356.7	1354.4	1353.6	1352.1	1351.7	1349.9	1348.9	1347.0	1345.2	1344.3
10°	1342.9	1340.6	1338.8	1336.4	1335.5	1334.1	1331.8	1329.0	1327.6	1325.3	1323.4
12.5°	1326.3	1323.4	1319.7	1317.0	1316.0	1313.7	1310.1	1307.8	1304.5	1300.8	1297.5
15°	1305.4	1302.2	1299.0	1293.8	1292.4	1289.7	1286.0	1281.3	1276.8	1273.1	1269.4
17.5°	1282.8	1277.6	1272.5	1267.0	1262.9	1261.4	1255.5	1249.0	1244.8	1238.4	1234.2
20°	1250.9	1243.9	1235.6	1230.0	1226.3	1222.2	1215.2	1208.3	1203.3	1197.7	1191.6
22.5°	1207.0	1200.4	1190.7	1182.4	1179.7	1173.7	1167.6	1161.2	1154.6	1148.7	1141.3
25°	1155.1	1148.2	1138.4	1130.2	1125.5	1122.8	1111.1	1104.7	1098.2	1093.2	1088.1
27.5°	1101.9	1089.5	1083.0	1070.0	1065.9	1064.9	1054.4	1047.4	1040.5	1033.5	1027.1
30°	1036.3	1026.5	1016.9	1007.6	1002.1	998.8	991.0	982.2	977.6	972.9	966.5
32.5°	968.3	959.5	947.5	938.8	934.5	930.0	923.0	917.0	910.1	904.9	903.5
35°	895.7	886.0	875.8	869.4	868.4	862.9	855.9	850.9	845.8	837.9	836.5
37.5°	818.0	812.5	805.5	796.3	792.2	792.2	785.2	781.5	775.0	774.5	770.9
40°	741.7	739.4	728.8	726.0	725.1	718.6	716.8	710.3	705.7	705.2	699.6
42.5°	666.3	660.4	658.5	653.8	649.7	648.8	644.6	641.9	640.0	637.2	634.5
45°	591.4	590.1	585.4	582.2	580.9	578.9	577.6	572.0	571.1	568.8	567.4
47.5°	526.7	523.0	518.9	515.2	514.6	511.9	508.6	508.6	503.5	503.1	502.2
50°	462.4	459.6	457.3	452.2	453.2	449.5	449.0	444.8	442.5	440.7	443.0
52.5°	406.0	400.4	399.6	395.3	394.0	394.5	389.3	387.9	387.1	385.2	384.2
55°	352.4	349.5	345.8	343.1	340.8	338.4	336.6	336.6	331.6	332.0	329.7
57.5°	305.2	302.9	298.3	294.1	293.2	290.4	288.1	285.8	285.3	282.1	279.7
60°	263.1	258.9	253.0	251.1	248.3	246.0	243.7	240.9	239.6	237.2	233.1
62.5°	223.8	216.9	214.6	210.9	207.6	206.2	202.5	199.3	197.0	193.8	190.5
65°	186.4	181.3	177.2	172.9	172.5	168.8	165.5	162.8	158.1	155.4	149.3
67.5°	152.1	147.5	142.9	138.8	135.5	134.5	129.5	126.3	123.0	117.5	112.3
70°	120.7	116.0	112.3	107.2	105.9	102.2	98.5	95.3	89.7	84.6	80.5
72.5°	92.0	86.9	82.8	79.1	76.8	73.5	69.8	66.1	60.6	55.5	51.8
75°	65.7	62.0	57.9	54.2	52.2	50.4	46.2	42.1	38.4	33.3	30.0
77.5°	44.4	40.7	37.0	33.7	31.4	30.0	27.3	24.0	20.8	18.1	15.8
80°	25.9	23.6	20.8	18.1	17.6	16.2	13.9	12.1	10.2	8.8	7.0
82.5°	12.5	11.1	9.2	7.8	7.0	6.5	5.5	4.7	3.7	3.3	3.3
85°	3.7	3.3	2.7	2.3	1.8	1.8	1.4	1.4	1.4	1.4	1.4
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1372.0	1371.5	1371.1	1370.6	1369.7	1369.7	1368.3	1367.4	1367.4	1366.5	1366.0
5°	1360.0	1358.6	1358.1	1357.2	1356.3	1355.8	1354.0	1353.6	1352.6	1351.7	1351.7
7.5°	1342.9	1341.0	1339.2	1338.2	1337.8	1336.4	1335.5	1335.1	1333.7	1332.7	1330.8
10°	1320.2	1318.9	1316.5	1315.6	1314.6	1313.7	1311.5	1310.1	1309.6	1308.6	1307.8
12.5°	1293.8	1292.0	1289.7	1287.9	1286.9	1285.6	1283.2	1281.9	1281.9	1279.9	1279.9
15°	1265.7	1262.9	1258.7	1256.9	1256.4	1253.6	1251.8	1249.9	1247.6	1246.7	1246.7
17.5°	1229.6	1225.0	1221.2	1221.2	1219.5	1216.6	1213.8	1212.5	1211.1	1209.2	1208.3
20°	1187.1	1183.8	1179.7	1179.7	1175.5	1174.5	1171.8	1171.3	1168.1	1168.6	1167.2
22.5°	1135.7	1133.9	1131.6	1129.7	1127.3	1124.6	1123.2	1123.7	1122.3	1121.8	1121.4
25°	1084.0	1078.8	1076.0	1075.1	1074.2	1071.9	1071.0	1070.5	1070.5	1069.2	1069.6
27.5°	1024.2	1020.6	1016.9	1018.3	1016.4	1015.0	1014.1	1012.7	1013.6	1013.2	1013.6
30°	963.2	958.6	956.3	957.3	956.7	953.0	954.9	954.4	954.9	954.9	955.8
32.5°	899.0	895.7	895.3	895.7	891.6	892.0	890.2	893.0	893.4	896.1	893.9
35°	833.7	831.9	828.7	828.2	828.7	828.2	828.2	830.0	829.6	832.4	831.4
37.5°	766.7	765.7	762.6	763.5	761.6	764.9	765.7	764.9	768.1	767.2	766.7
40°	701.0	699.6	697.8	701.5	699.2	697.3	700.6	697.8	698.7	701.5	701.5
42.5°	634.5	632.1	632.1	632.1	631.6	631.6	633.1	634.5	633.5	633.9	637.6
45°	567.4	566.9	565.5	566.5	566.0	568.3	568.3	569.2	571.1	572.9	572.0
47.5°	502.7	501.7	503.1	502.2	502.7	501.2	502.2	504.9	507.2	504.1	507.2
50°	442.1	440.2	439.8	441.1	440.7	440.2	441.1	441.1	440.2	440.2	443.5
52.5°	384.2	382.4	381.1	383.4	381.9	382.4	380.5	380.5	381.5	380.5	379.2
55°	330.2	328.8	326.9	327.9	325.5	325.1	323.2	323.2	321.8	320.9	318.1
57.5°	278.4	277.4	273.3	272.9	273.3	270.0	266.8	265.5	261.8	260.8	260.4
60°	232.6	227.5	225.2	222.4	220.6	219.1	215.4	213.2	207.6	204.4	203.9
62.5°	185.0	182.7	179.9	175.7	174.8	170.2	166.5	160.4	157.7	153.6	149.3
65°	146.6	140.6	136.4	134.1	130.4	126.3	122.1	115.6	112.3	107.2	103.1
67.5°	107.2	102.2	96.7	94.8	91.6	86.5	82.3	76.8	74.0	69.4	68.0
70°	73.5	68.9	64.7	62.0	59.7	54.6	50.4	48.5	45.8	44.8	44.8
72.5°	47.2	43.0	38.4	37.0	35.1	32.4	29.6	28.7	29.6	29.1	29.1
75°	26.3	24.0	20.8	19.5	19.5	18.5	18.1	18.1	18.1	18.1	18.1
77.5°	13.4	12.1	11.1	10.7	10.7	10.7	11.1	11.1	11.1	11.5	11.1
80°	6.5	6.0	6.0	6.0	6.5	6.5	6.5	6.5	6.5	7.0	6.5
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.7	3.7	3.7	3.7	3.7
85°	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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: P844339

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1365.5	1364.6	1364.6	1364.1	1364.1	1364.1	1364.1	1364.6
5°	1350.7	1350.3	1350.3	1349.3	1349.3	1349.3	1349.3	1349.3
7.5°	1330.8	1330.0	1330.4	1329.4	1329.4	1330.0	1329.4	1329.0
10°	1306.4	1305.9	1306.4	1306.4	1305.4	1304.9	1305.4	1305.9
12.5°	1278.6	1278.2	1277.2	1277.6	1277.6	1277.2	1276.8	1275.8
15°	1246.2	1245.8	1245.3	1244.8	1244.4	1244.8	1244.4	1243.5
17.5°	1208.3	1208.3	1207.8	1207.4	1207.0	1206.0	1206.4	1207.8
20°	1167.6	1167.2	1166.3	1166.7	1164.9	1163.9	1164.3	1165.7
22.5°	1120.9	1119.5	1120.5	1119.1	1119.1	1119.5	1119.1	1118.1
25°	1070.0	1068.2	1069.2	1069.6	1069.6	1069.2	1068.6	1069.2
27.5°	1013.6	1015.0	1015.0	1014.1	1015.4	1013.6	1014.6	1015.0
30°	955.8	954.4	954.0	955.8	958.6	956.3	956.3	956.7
32.5°	896.1	894.3	894.3	895.3	894.8	894.8	896.7	894.3
35°	832.4	833.3	829.6	831.9	832.8	831.9	832.4	832.4
37.5°	768.1	767.2	767.2	767.2	768.6	768.6	769.4	769.0
40°	704.7	702.9	702.4	703.3	701.5	702.9	702.9	701.5
42.5°	636.3	636.8	639.0	636.8	637.2	636.8	635.8	635.3
45°	572.9	574.3	573.4	572.9	573.4	571.5	572.0	573.4
47.5°	505.9	508.6	505.9	507.8	507.2	506.4	505.4	503.5
50°	443.0	443.9	443.5	443.0	442.5	442.1	439.8	438.4
52.5°	378.7	378.7	378.7	378.7	374.1	376.4	375.5	372.7
55°	315.8	317.2	315.4	315.4	312.1	312.1	311.3	311.7
57.5°	255.2	253.8	252.5	252.5	249.3	247.9	246.4	244.6
60°	198.8	197.5	195.6	193.3	190.1	190.1	189.1	185.4
62.5°	145.6	143.3	141.9	140.1	137.4	135.5	134.1	135.1
65°	99.8	97.6	95.7	95.7	95.7	94.8	94.3	94.3
67.5°	65.7	67.1	66.1	67.1	67.1	66.1	65.7	66.6
70°	45.3	45.3	44.8	44.8	44.8	44.8	44.4	44.8
72.5°	29.1	29.1	29.1	29.6	29.1	29.1	29.6	29.6
75°	18.5	18.5	18.5	18.9	18.5	18.5	18.9	18.5
77.5°	11.1	11.5	11.5	11.5	11.5	11.1	11.5	11.5
80°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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)