

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: P684184

Luminaire Tested: **LX6C30D010 EX6C309035 6LBLWWH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684184  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C30D010 EX6C309035 6LBLWWH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LRLWW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

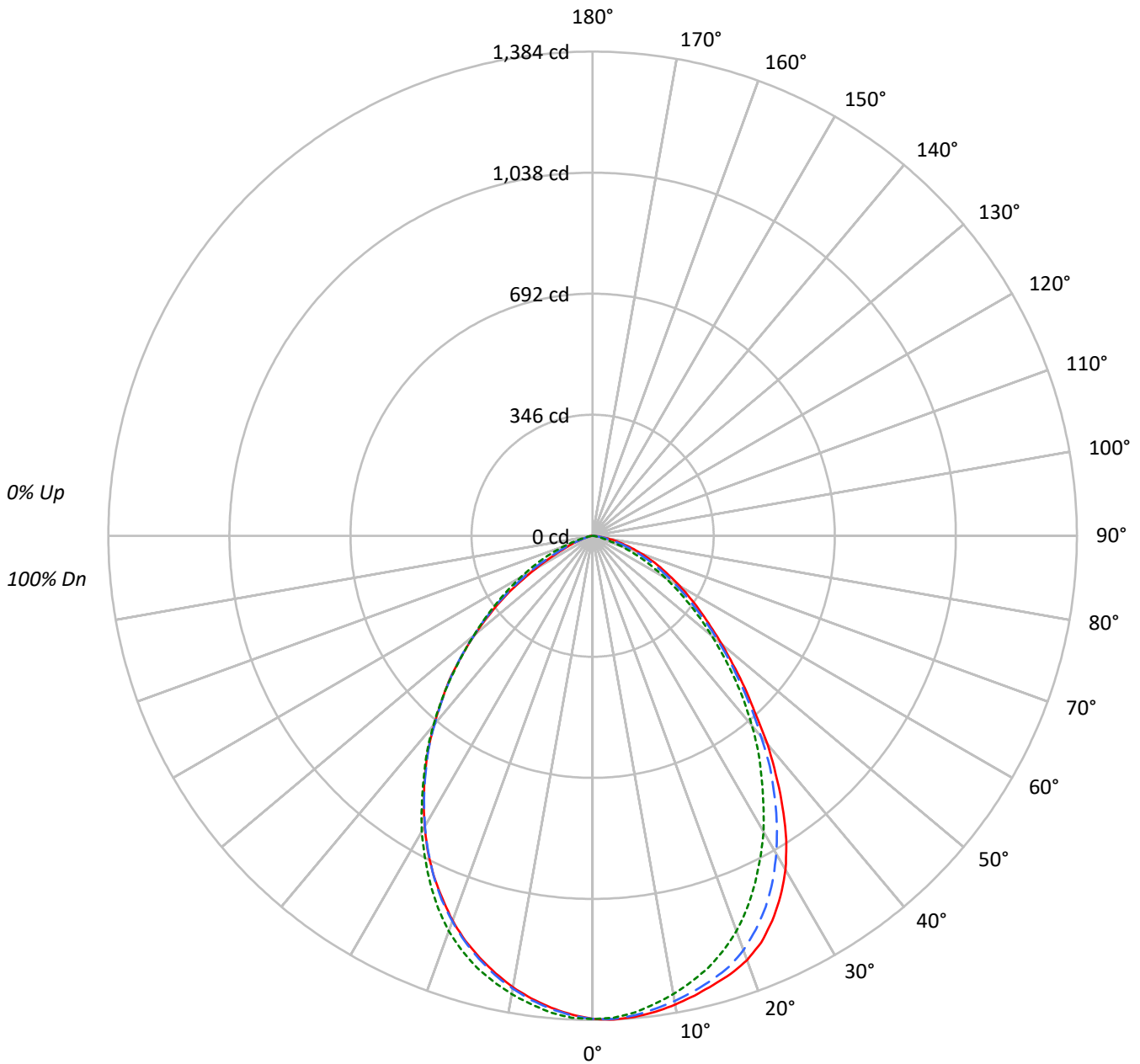
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2512.0 lumens  
Efficiency: N/A  
Efficacy: 79.5 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): 31.6  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P684184

CATALOG NUMBER: LX6C30D010 EX6C309035 6LBLWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P684184

CATALOG NUMBER: LX6C30D010 EX6C309035 6LBLWWH

**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	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	41	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°	75707	75707	75707
5°	75968	75280	74538
10°	75739	74058	72972
15°	75454	72532	70840
20°	75286	70140	68273
25°	73456	66379	64915
30°	69789	61826	60794
35°	63343	56289	55921
40°	55576	50659	50394
45°	47648	44268	44625
50°	41014	37730	37534
55°	35851	31855	29906
60°	31500	26105	20404
65°	27578	20236	12284
70°	23514	13608	7213
75°	18978	7074	3940
80°	13196	2778	2210
85°	5284	881	1195



TEST NUMBER: P684184

CATALOG NUMBER: LX6C30D010 EX6C309035 6LBLWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.4	5.2
10°-20°	361.3	14.4
20°-30°	514.2	20.5
30°-40°	541.2	21.5
40°-50°	451.0	18.0
50°-60°	304.7	12.1
60°-70°	154.5	6.2
70°-80°	49.9	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°	1004.9	40.0
0°-40°	1546.2	61.6
0°-60°	2301.9	91.6
0°-90°	2512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2512.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1381	1381	1381	1381	1381	
5°	1380	1376	1368	1358	1354	131
15°	1330	1315	1278	1252	1248	376
25°	1214	1170	1097	1075	1073	557
35°	946	906	841	833	836	589
45°	615	599	571	573	576	476
55°	375	357	333	323	313	338
65°	213	192	156	113	95	212
75°	90	70	33	18	19	97
85°	8	5	1	2	2	14
90°	0	0	0	0	0	



TEST NUMBER: P684184

CATALOG NUMBER: LX6C30D010 EX6C309035 6LBLWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0
2.5°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1383.8	1383.8	1382.9	1382.9	1382.4
5°	1380.5	1381.0	1381.0	1380.5	1380.5	1379.6	1379.6	1379.1	1377.8	1376.8	1376.4
7.5°	1372.6	1372.6	1372.2	1371.7	1371.3	1369.9	1369.4	1368.0	1367.1	1366.1	1364.3
10°	1360.6	1360.6	1360.1	1359.2	1358.7	1357.8	1357.8	1355.9	1354.1	1351.8	1350.4
12.5°	1346.2	1346.7	1345.7	1345.3	1343.9	1343.4	1342.5	1340.2	1338.8	1336.0	1333.7
15°	1329.5	1330.4	1330.4	1328.5	1327.2	1326.7	1325.3	1323.9	1320.7	1317.9	1315.1
17.5°	1313.2	1314.2	1313.2	1311.8	1310.4	1308.6	1307.7	1304.9	1300.7	1297.0	1292.8
20°	1290.5	1291.9	1290.0	1287.7	1284.9	1284.4	1283.1	1278.4	1272.4	1266.8	1260.8
22.5°	1258.5	1257.5	1256.1	1255.2	1250.6	1247.8	1245.9	1239.9	1233.4	1226.0	1218.5
25°	1214.4	1216.2	1213.4	1209.2	1206.9	1204.1	1199.5	1193.0	1187.0	1179.1	1170.3
27.5°	1162.4	1162.4	1158.6	1157.3	1152.2	1148.4	1146.1	1139.6	1131.7	1123.8	1114.1
30°	1102.5	1099.7	1099.7	1093.2	1089.0	1087.6	1085.3	1074.6	1067.7	1059.3	1049.6
32.5°	1030.1	1029.6	1027.7	1023.6	1018.0	1013.4	1013.4	1005.9	996.6	986.4	980.4
35°	946.5	947.0	946.0	941.4	941.4	935.8	934.9	928.4	921.0	913.1	905.7
37.5°	860.2	862.0	860.2	857.8	856.5	856.0	851.8	847.2	841.6	837.0	831.4
40°	776.6	773.8	774.8	770.1	770.6	769.6	767.8	761.8	758.5	753.9	747.8
42.5°	686.6	689.3	690.3	687.5	686.6	684.7	686.6	684.2	680.5	678.2	672.6
45°	614.6	611.8	613.2	612.3	612.7	609.0	607.6	606.7	605.3	601.1	598.8
47.5°	543.1	543.6	543.1	541.3	540.3	540.3	538.5	535.7	535.7	532.9	531.0
50°	480.9	480.9	481.8	479.5	478.6	476.7	477.2	474.4	472.6	470.2	468.8
52.5°	423.8	424.3	422.4	422.9	422.0	422.0	420.1	418.2	416.4	412.2	411.3
55°	375.1	375.5	373.2	374.1	371.4	370.0	369.0	366.3	366.3	362.1	357.0
57.5°	329.6	329.1	328.7	327.3	325.4	324.0	322.6	319.4	318.0	315.2	311.0
60°	287.3	286.9	285.9	285.5	284.1	280.8	280.8	278.5	273.9	271.1	266.9
62.5°	247.4	247.4	247.0	245.6	244.2	242.8	241.8	240.0	235.4	232.1	228.4
65°	212.6	212.1	210.7	208.4	207.5	207.5	204.2	202.9	199.1	195.9	191.7
67.5°	179.2	177.3	176.4	176.9	174.1	174.1	171.3	169.0	165.7	160.1	156.9
70°	146.7	145.8	144.8	143.9	143.4	141.6	140.2	137.4	134.2	130.0	124.9
72.5°	117.4	117.4	116.1	115.1	113.7	111.9	110.9	108.6	104.9	100.3	96.6
75°	89.6	89.6	89.6	87.7	86.8	85.9	83.1	81.7	77.5	74.7	70.1
77.5°	65.9	65.0	63.6	63.1	62.2	61.3	59.9	57.6	53.8	50.6	47.8
80°	41.8	43.2	41.8	41.8	39.5	38.5	38.1	35.3	33.9	31.1	28.8
82.5°	23.2	23.7	22.7	22.3	20.9	20.4	20.4	18.6	17.6	15.8	14.4
85°	8.4	8.8	8.4	8.4	7.4	7.9	7.4	7.0	6.0	5.1	4.6
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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: P684184

CATALOG NUMBER: LX6C30D010 EX6C309035 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0
2.5°	1382.4	1381.5	1381.5	1381.0	1380.5	1380.5	1380.5	1380.1	1379.1	1379.1	1378.7
5°	1375.4	1374.5	1373.1	1372.2	1371.7	1371.3	1370.8	1370.3	1368.5	1368.0	1366.6
7.5°	1362.9	1362.0	1359.6	1358.7	1357.3	1356.9	1355.0	1354.1	1352.2	1350.4	1349.4
10°	1348.0	1345.7	1343.9	1341.5	1340.6	1339.2	1336.9	1334.1	1332.7	1330.4	1328.5
12.5°	1331.3	1328.5	1324.8	1322.0	1321.1	1318.8	1315.1	1312.8	1309.5	1305.8	1302.6
15°	1310.4	1307.2	1303.9	1298.8	1297.4	1294.7	1290.9	1286.3	1281.7	1278.0	1274.2
17.5°	1287.7	1282.6	1277.5	1271.9	1267.7	1266.3	1260.3	1253.8	1249.6	1243.1	1239.0
20°	1255.7	1248.7	1240.3	1234.8	1231.1	1226.9	1219.9	1213.0	1207.9	1202.3	1196.3
22.5°	1211.6	1205.1	1195.3	1187.0	1184.2	1178.1	1172.1	1165.6	1159.1	1153.1	1145.7
25°	1159.6	1152.6	1142.9	1134.5	1129.9	1127.1	1115.5	1109.0	1102.5	1097.4	1092.3
27.5°	1106.2	1093.7	1087.2	1074.2	1070.0	1069.1	1058.4	1051.4	1044.5	1037.5	1031.0
30°	1040.3	1030.5	1020.8	1011.5	1005.9	1002.7	994.8	986.0	981.3	976.7	970.2
32.5°	972.0	963.2	951.2	942.3	938.2	933.5	926.5	920.5	913.6	908.4	907.1
35°	899.2	889.4	879.2	872.7	871.8	866.2	859.2	854.1	849.0	841.1	839.7
37.5°	821.2	815.6	808.6	799.4	795.2	795.2	788.2	784.5	778.0	777.5	773.8
40°	744.6	742.3	731.6	728.8	727.9	721.4	719.5	713.0	708.4	707.9	702.3
42.5°	668.9	662.9	661.0	656.4	652.2	651.3	647.1	644.3	642.5	639.7	636.9
45°	593.7	592.3	587.7	584.4	583.0	581.2	579.8	574.2	573.3	571.0	569.6
47.5°	528.7	525.0	520.8	517.1	516.7	513.9	510.6	510.6	505.5	505.1	504.1
50°	464.2	461.4	459.1	454.0	454.9	451.2	450.7	446.6	444.2	442.4	444.7
52.5°	407.6	402.0	401.1	396.9	395.5	396.0	390.9	389.5	388.5	386.7	385.8
55°	353.7	350.9	347.2	344.4	342.1	339.8	337.9	337.9	332.8	333.3	331.0
57.5°	306.4	304.1	299.4	295.2	294.3	291.5	289.2	286.9	286.4	283.2	280.8
60°	264.1	260.0	253.9	252.1	249.3	247.0	244.6	241.8	240.5	238.1	234.0
62.5°	224.7	217.7	215.4	211.7	208.4	207.0	203.3	200.1	197.8	194.5	191.3
65°	187.1	182.0	177.8	173.6	173.1	169.4	166.2	163.4	158.8	156.0	149.9
67.5°	152.7	148.1	143.4	139.3	136.0	135.1	130.0	126.7	123.5	117.9	112.8
70°	121.2	116.5	112.8	107.7	106.3	102.6	98.9	95.6	90.1	84.9	80.8
72.5°	92.4	87.3	83.1	79.4	77.1	73.8	70.1	66.4	60.8	55.7	52.0
75°	65.9	62.2	58.0	54.3	52.5	50.6	46.4	42.2	38.5	33.4	30.2
77.5°	44.6	40.8	37.1	33.9	31.6	30.2	27.4	24.1	20.9	18.1	15.8
80°	26.0	23.7	20.9	18.1	17.6	16.2	13.9	12.1	10.2	8.8	7.0
82.5°	12.5	11.1	9.3	7.9	7.0	6.5	5.6	4.6	3.7	3.2	3.2
85°	3.7	3.2	2.8	2.3	1.9	1.9	1.4	1.4	1.4	1.4	1.4
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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: P684184

CATALOG NUMBER: LX6C30D010 EX6C309035 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0
2.5°	1377.3	1376.8	1376.4	1375.9	1375.0	1375.0	1373.6	1372.6	1372.6	1371.7	1371.3
5°	1365.2	1363.8	1363.4	1362.4	1361.5	1361.0	1359.2	1358.7	1357.8	1356.9	1356.9
7.5°	1348.0	1346.2	1344.3	1343.4	1342.9	1341.5	1340.6	1340.2	1338.8	1337.8	1336.0
10°	1325.3	1323.9	1321.6	1320.7	1319.7	1318.8	1316.5	1315.1	1314.6	1313.7	1312.8
12.5°	1298.8	1297.0	1294.7	1292.8	1291.9	1290.5	1288.2	1286.8	1286.8	1284.9	1284.9
15°	1270.5	1267.7	1263.6	1261.7	1261.2	1258.5	1256.6	1254.7	1252.4	1251.5	1251.5
17.5°	1234.3	1229.7	1226.0	1226.0	1224.1	1221.3	1218.5	1217.1	1215.7	1213.9	1213.0
20°	1191.6	1188.4	1184.2	1184.2	1180.0	1179.1	1176.3	1175.8	1172.6	1173.0	1171.6
22.5°	1140.1	1138.2	1135.9	1134.0	1131.7	1128.9	1127.5	1128.0	1126.6	1126.2	1125.7
25°	1088.1	1083.0	1080.2	1079.3	1078.3	1076.0	1075.1	1074.6	1074.6	1073.2	1073.7
27.5°	1028.2	1024.5	1020.8	1022.2	1020.3	1018.9	1018.0	1016.6	1017.5	1017.1	1017.5
30°	966.9	962.3	960.0	960.9	960.4	956.7	958.6	958.1	958.6	958.6	959.5
32.5°	902.4	899.2	898.7	899.2	895.0	895.4	893.6	896.4	896.8	899.6	897.3
35°	837.0	835.1	831.9	831.4	831.9	831.4	831.4	833.2	832.8	835.6	834.6
37.5°	769.6	768.7	765.5	766.4	764.5	767.8	768.7	767.8	771.0	770.1	769.6
40°	703.7	702.3	700.5	704.2	701.9	700.0	703.3	700.5	701.4	704.2	704.2
42.5°	636.9	634.6	634.6	634.6	634.1	634.1	635.5	636.9	636.0	636.4	640.1
45°	569.6	569.1	567.7	568.6	568.2	570.5	570.5	571.4	573.3	575.1	574.2
47.5°	504.6	503.7	505.1	504.1	504.6	503.2	504.1	506.9	509.2	506.0	509.2
50°	443.8	441.9	441.5	442.8	442.4	441.9	442.8	442.8	441.9	441.9	445.2
52.5°	385.8	383.9	382.5	384.8	383.4	383.9	382.0	382.0	383.0	382.0	380.6
55°	331.4	330.0	328.2	329.1	326.8	326.3	324.5	324.5	323.1	322.2	319.4
57.5°	279.5	278.5	274.3	273.9	274.3	271.1	267.8	266.5	262.7	261.8	261.3
60°	233.5	228.4	226.1	223.3	221.4	220.0	216.3	214.0	208.4	205.2	204.7
62.5°	185.7	183.4	180.6	176.4	175.5	170.8	167.1	161.1	158.3	154.1	149.9
65°	147.2	141.1	136.9	134.6	130.9	126.7	122.5	116.1	112.8	107.7	103.5
67.5°	107.7	102.6	97.0	95.2	91.9	86.8	82.6	77.1	74.3	69.6	68.2
70°	73.8	69.2	65.0	62.2	59.9	54.8	50.6	48.7	46.0	45.0	45.0
72.5°	47.3	43.2	38.5	37.1	35.3	32.5	29.7	28.8	29.7	29.2	29.2
75°	26.5	24.1	20.9	19.5	19.5	18.6	18.1	18.1	18.1	18.1	18.1
77.5°	13.5	12.1	11.1	10.7	10.7	10.7	11.1	11.1	11.1	11.6	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°	3.2	3.2	3.2	3.2	3.2	3.2	3.7	3.7	3.7	3.7	3.7
85°	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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: P684184

CATALOG NUMBER: LX6C30D010 EX6C309035 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0	1381.0
2.5°	1370.8	1369.9	1369.9	1369.4	1369.4	1369.4	1369.4	1369.9
5°	1355.9	1355.5	1355.5	1354.5	1354.5	1354.5	1354.5	1354.5
7.5°	1336.0	1335.0	1335.5	1334.6	1334.6	1335.0	1334.6	1334.1
10°	1311.4	1310.9	1311.4	1311.4	1310.4	1310.0	1310.4	1310.9
12.5°	1283.5	1283.1	1282.1	1282.6	1282.6	1282.1	1281.7	1280.7
15°	1251.0	1250.6	1250.1	1249.6	1249.2	1249.6	1249.2	1248.2
17.5°	1213.0	1213.0	1212.5	1212.0	1211.6	1210.6	1211.1	1212.5
20°	1172.1	1171.6	1170.7	1171.2	1169.3	1168.4	1168.9	1170.3
22.5°	1125.2	1123.8	1124.8	1123.4	1123.4	1123.8	1123.4	1122.4
25°	1074.2	1072.3	1073.2	1073.7	1073.7	1073.2	1072.8	1073.2
27.5°	1017.5	1018.9	1018.9	1018.0	1019.4	1017.5	1018.5	1018.9
30°	959.5	958.1	957.7	959.5	962.3	960.0	960.0	960.4
32.5°	899.6	897.8	897.8	898.7	898.2	898.2	900.1	897.8
35°	835.6	836.5	832.8	835.1	836.0	835.1	835.6	835.6
37.5°	771.0	770.1	770.1	770.1	771.5	771.5	772.4	772.0
40°	707.4	705.6	705.1	706.1	704.2	705.6	705.6	704.2
42.5°	638.7	639.2	641.5	639.2	639.7	639.2	638.3	637.8
45°	575.1	576.5	575.6	575.1	575.6	573.8	574.2	575.6
47.5°	507.8	510.6	507.8	509.7	509.2	508.3	507.4	505.5
50°	444.7	445.6	445.2	444.7	444.2	443.8	441.5	440.1
52.5°	380.2	380.2	380.2	380.2	375.5	377.9	376.9	374.1
55°	317.1	318.4	316.6	316.6	313.3	313.3	312.4	312.9
57.5°	256.2	254.8	253.5	253.5	250.2	248.8	247.4	245.6
60°	199.6	198.2	196.4	194.0	190.8	190.8	189.9	186.1
62.5°	146.2	143.9	142.5	140.7	137.9	136.0	134.6	135.5
65°	100.3	97.9	96.1	96.1	96.1	95.2	94.7	94.7
67.5°	65.9	67.3	66.4	67.3	67.3	66.4	65.9	66.8
70°	45.5	45.5	45.0	45.0	45.0	45.0	44.6	45.0
72.5°	29.2	29.2	29.2	29.7	29.2	29.2	29.7	29.7
75°	18.6	18.6	18.6	19.0	18.6	18.6	19.0	18.6
77.5°	11.1	11.6	11.6	11.6	11.6	11.1	11.6	11.6
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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)