

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: P563926

Luminaire Tested: **LX6C30D010 EX6C309030 6LBLWWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P563926
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 EX6C309030 6LBLWWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

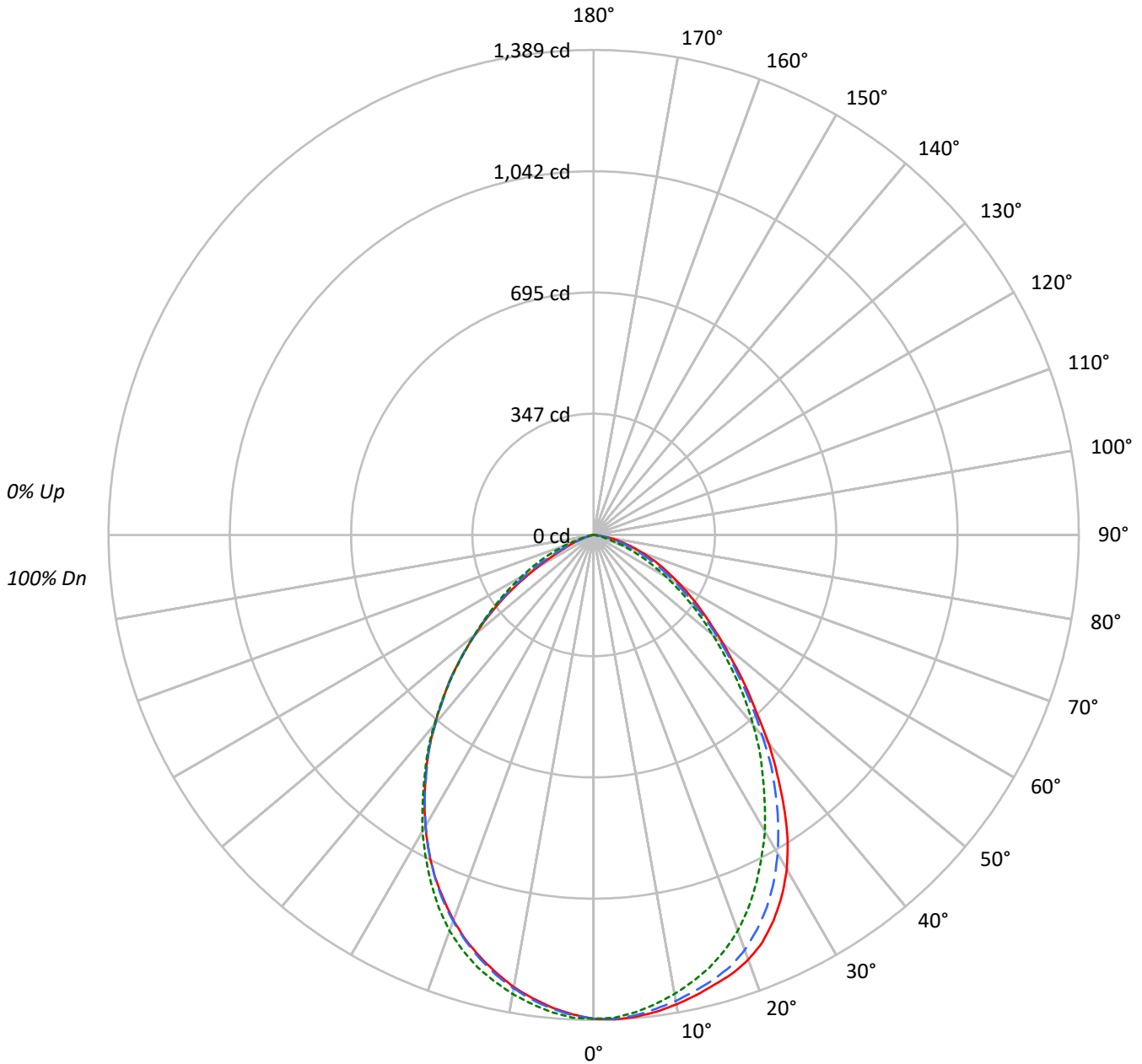
Lumens per Lamp: N/A
Luminaire Lumens: 2520.6 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V):
Input Current (A_{in}): 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	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°	75964	75964	75964
5°	76232	75539	74796
10°	76001	74314	73223
15°	75716	72781	71084
20°	75542	70379	68507
25°	73704	66603	65139
30°	70030	62041	61003
35°	63564	56490	56115
40°	55769	50831	50566
45°	47811	44415	44780
50°	41159	37858	37662
55°	35975	31970	30001
60°	31620	26193	20481
65°	27668	20300	12323
70°	23594	13656	7245
75°	19042	7117	3940
80°	13228	2778	2210
85°	5221	881	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	5.2
10°-20°	362.6	14.4
20°-30°	516.0	20.5
30°-40°	543.1	21.5
40°-50°	452.6	18.0
50°-60°	305.8	12.1
60°-70°	155.0	6.2
70°-80°	50.0	2.0
80°-90°	5.8	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°	1008.4	40.0
0°-40°	1551.5	61.6
0°-60°	2309.8	91.6
0°-90°	2520.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1386	1386	1386	1386	1386	
5°	1385	1381	1373	1362	1359	132
15°	1334	1320	1282	1257	1252	377
25°	1218	1174	1101	1078	1077	558
35°	950	909	844	836	838	591
45°	617	601	573	575	578	477
55°	376	358	334	324	314	339
65°	213	192	156	113	95	212
75°	90	70	34	18	19	97
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°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7
2.5°	1389.0	1389.0	1389.0	1389.0	1389.0	1389.0	1388.6	1388.6	1387.6	1387.6	1387.2
5°	1385.3	1385.7	1385.7	1385.3	1385.3	1384.3	1384.3	1383.9	1382.5	1381.6	1381.1
7.5°	1377.4	1377.4	1376.9	1376.5	1376.0	1374.5	1374.1	1372.7	1371.8	1370.9	1368.9
10°	1365.3	1365.3	1364.8	1363.9	1363.4	1362.4	1362.4	1360.6	1358.8	1356.4	1355.0
12.5°	1350.8	1351.2	1350.3	1349.9	1348.5	1348.0	1347.1	1344.7	1343.3	1340.6	1338.2
15°	1334.1	1335.0	1335.0	1333.1	1331.7	1331.2	1329.9	1328.5	1325.2	1322.4	1319.6
17.5°	1317.8	1318.7	1317.8	1316.4	1314.9	1313.1	1312.2	1309.3	1305.2	1301.4	1297.2
20°	1294.9	1296.3	1294.5	1292.1	1289.3	1288.9	1287.5	1282.8	1276.8	1271.2	1265.1
22.5°	1262.8	1261.8	1260.4	1259.5	1254.8	1252.1	1250.2	1244.1	1237.6	1230.2	1222.7
25°	1218.5	1220.3	1217.6	1213.4	1211.1	1208.2	1203.7	1197.1	1191.0	1183.1	1174.3
27.5°	1166.3	1166.3	1162.7	1161.2	1156.1	1152.4	1150.0	1143.5	1135.6	1127.7	1117.9
30°	1106.3	1103.5	1103.5	1096.9	1092.8	1091.4	1089.0	1078.3	1071.3	1063.0	1053.2
32.5°	1033.6	1033.2	1031.2	1027.1	1021.5	1016.8	1016.8	1009.4	1000.1	989.8	983.7
35°	949.8	950.3	949.3	944.7	944.7	939.1	938.2	931.6	924.1	916.2	908.8
37.5°	863.1	865.0	863.1	860.8	859.4	858.9	854.8	850.1	844.5	839.8	834.2
40°	779.3	776.5	777.4	772.8	773.2	772.3	770.4	764.3	761.1	756.5	750.4
42.5°	688.9	691.7	692.6	689.9	688.9	687.0	688.9	686.6	682.8	680.5	674.9
45°	616.7	613.9	615.3	614.4	614.9	611.1	609.7	608.8	607.4	603.2	600.9
47.5°	545.0	545.4	545.0	543.1	542.2	542.2	540.3	537.5	537.5	534.7	532.9
50°	482.6	482.6	483.5	481.1	480.2	478.4	478.8	476.0	474.2	471.9	470.5
52.5°	425.3	425.7	423.9	424.4	423.4	423.4	421.5	419.7	417.9	413.6	412.7
55°	376.4	376.9	374.5	375.4	372.6	371.3	370.3	367.5	367.5	363.3	358.2
57.5°	330.7	330.3	329.8	328.4	326.5	325.1	323.8	320.4	319.1	316.2	312.1
60°	288.4	287.9	287.0	286.4	285.0	281.8	281.8	279.5	274.8	272.0	267.8
62.5°	248.3	248.3	247.8	246.4	245.0	243.6	242.7	240.8	236.2	232.9	229.2
65°	213.3	212.9	211.5	209.1	208.2	208.2	205.0	203.5	199.8	196.5	192.4
67.5°	179.8	177.9	177.0	177.5	174.7	174.7	171.9	169.6	166.3	160.7	157.5
70°	147.2	146.3	145.4	144.4	143.9	142.1	140.7	137.8	134.6	130.4	125.3
72.5°	117.9	117.9	116.5	115.6	114.1	112.3	111.3	109.0	105.3	100.6	96.8
75°	89.9	89.9	89.9	88.0	87.1	86.2	83.4	82.0	77.8	75.0	70.3
77.5°	66.1	65.2	63.8	63.4	62.5	61.4	60.1	57.8	54.0	50.8	48.0
80°	41.9	43.3	41.9	41.9	39.6	38.7	38.1	35.4	34.0	31.2	28.9
82.5°	23.3	23.8	22.8	22.4	21.0	20.4	20.4	18.6	17.7	15.9	14.4
85°	8.3	8.8	8.3	8.3	7.4	7.9	7.4	7.0	6.1	5.1	4.7
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7
2.5°	1387.2	1386.2	1386.2	1385.7	1385.3	1385.3	1385.3	1384.8	1383.9	1383.9	1383.4
5°	1380.1	1379.2	1377.8	1376.9	1376.5	1376.0	1375.5	1375.1	1373.1	1372.7	1371.3
7.5°	1367.6	1366.6	1364.3	1363.4	1362.0	1361.5	1359.7	1358.8	1356.8	1355.0	1354.1
10°	1352.7	1350.3	1348.5	1346.2	1345.2	1343.8	1341.5	1338.7	1337.3	1335.0	1333.1
12.5°	1335.9	1333.1	1329.4	1326.6	1325.6	1323.3	1319.6	1317.3	1314.0	1310.3	1307.0
15°	1314.9	1311.7	1308.4	1303.3	1301.9	1299.1	1295.4	1290.7	1286.0	1282.4	1278.6
17.5°	1292.1	1287.0	1281.9	1276.3	1272.1	1270.7	1264.7	1258.1	1253.9	1247.4	1243.2
20°	1260.0	1253.0	1244.6	1239.1	1235.3	1231.1	1224.1	1217.1	1212.0	1206.4	1200.4
22.5°	1215.8	1209.2	1199.4	1191.0	1188.3	1182.2	1176.1	1169.6	1163.1	1157.1	1149.5
25°	1163.6	1156.6	1146.8	1138.5	1133.8	1130.9	1119.3	1112.8	1106.3	1101.1	1096.0
27.5°	1110.0	1097.5	1090.8	1077.8	1073.7	1072.7	1062.1	1055.0	1048.0	1041.1	1034.5
30°	1043.9	1034.1	1024.3	1015.0	1009.4	1006.1	998.2	989.3	984.6	980.1	973.6
32.5°	975.4	966.5	954.4	945.6	941.4	936.7	929.7	923.7	916.7	911.5	910.2
35°	902.3	892.5	882.2	875.7	874.8	869.2	862.2	857.1	851.9	844.1	842.6
37.5°	824.0	818.4	811.4	802.1	797.9	797.9	790.9	787.2	780.7	780.2	776.5
40°	747.1	744.8	734.1	731.3	730.3	723.8	722.0	715.5	710.8	710.3	704.7
42.5°	671.3	665.1	663.3	658.6	654.5	653.6	649.3	646.5	644.7	641.9	639.1
45°	595.8	594.3	589.7	586.4	585.0	583.2	581.7	576.1	575.2	572.9	571.6
47.5°	530.6	526.8	522.6	518.9	518.5	515.6	512.4	512.4	507.3	506.8	505.9
50°	465.8	463.0	460.7	455.5	456.5	452.8	452.2	448.1	445.7	443.9	446.2
52.5°	409.0	403.4	402.4	398.2	396.8	397.3	392.2	390.8	389.9	388.0	387.0
55°	354.9	352.2	348.4	345.6	343.3	341.0	339.1	339.1	333.9	334.5	332.1
57.5°	307.4	305.1	300.5	296.2	295.3	292.5	290.2	287.9	287.4	284.1	281.8
60°	265.1	260.8	254.8	253.0	250.1	247.8	245.5	242.7	241.3	238.9	234.8
62.5°	225.4	218.5	216.2	212.4	209.1	207.7	204.1	200.8	198.5	195.2	191.9
65°	187.7	182.6	178.4	174.2	173.7	170.0	166.7	164.0	159.3	156.5	150.4
67.5°	153.3	148.6	143.9	139.8	136.5	135.6	130.4	127.2	123.9	118.3	113.2
70°	121.6	116.9	113.2	108.0	106.7	102.9	99.2	95.9	90.3	85.2	81.1
72.5°	92.7	87.6	83.4	79.6	77.3	74.1	70.3	66.6	61.0	55.9	52.2
75°	66.1	62.5	58.2	54.5	52.6	50.8	46.6	42.4	38.7	33.6	30.3
77.5°	44.8	41.0	37.2	34.0	31.6	30.3	27.5	24.2	21.0	18.2	15.9
80°	26.0	23.8	21.0	18.2	17.7	16.3	13.9	12.1	10.3	8.8	7.0
82.5°	12.6	11.2	9.4	7.9	7.0	6.5	5.6	4.7	3.8	3.3	3.3
85°	3.8	3.3	2.7	2.3	1.8	1.8	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7
2.5°	1382.0	1381.6	1381.1	1380.6	1379.7	1379.7	1378.3	1377.4	1377.4	1376.5	1376.0
5°	1369.9	1368.5	1368.0	1367.1	1366.2	1365.7	1363.9	1363.4	1362.4	1361.5	1361.5
7.5°	1352.7	1350.8	1348.9	1348.0	1347.6	1346.2	1345.2	1344.7	1343.3	1342.4	1340.6
10°	1329.9	1328.5	1326.1	1325.2	1324.3	1323.3	1321.0	1319.6	1319.1	1318.2	1317.3
12.5°	1303.3	1301.4	1299.1	1297.2	1296.3	1294.9	1292.6	1291.2	1291.2	1289.3	1289.3
15°	1274.9	1272.1	1267.9	1266.0	1265.6	1262.8	1260.9	1259.1	1256.8	1255.8	1255.8
17.5°	1238.5	1233.9	1230.2	1230.2	1228.3	1225.5	1222.7	1221.4	1219.9	1218.1	1217.1
20°	1195.7	1192.5	1188.3	1188.3	1184.0	1183.1	1180.4	1179.9	1176.6	1177.1	1175.7
22.5°	1144.0	1142.1	1139.8	1137.9	1135.6	1132.9	1131.4	1131.8	1130.5	1130.0	1129.6
25°	1091.9	1086.7	1083.9	1083.0	1082.0	1079.8	1078.7	1078.3	1078.3	1076.9	1077.4
27.5°	1031.7	1028.0	1024.3	1025.6	1023.8	1022.4	1021.5	1020.0	1021.1	1020.6	1021.1
30°	970.2	965.6	963.3	964.2	963.7	960.0	961.9	961.4	961.9	961.9	962.8
32.5°	905.5	902.3	901.7	902.3	898.1	898.5	896.7	899.4	899.9	902.7	900.4
35°	839.8	838.0	834.7	834.2	834.7	834.2	834.2	836.1	835.6	838.5	837.5
37.5°	772.3	771.3	768.1	769.0	767.2	770.4	771.3	770.4	773.7	772.8	772.3
40°	706.1	704.7	702.9	706.6	704.3	702.4	705.6	702.9	703.8	706.6	706.6
42.5°	639.1	636.8	636.8	636.8	636.3	636.3	637.7	639.1	638.1	638.6	642.4
45°	571.6	571.1	569.6	570.6	570.1	572.5	572.5	573.4	575.2	577.2	576.1
47.5°	506.4	505.3	506.8	505.9	506.4	504.9	505.9	508.6	510.9	507.7	510.9
50°	445.3	443.4	443.0	444.4	443.9	443.4	444.4	444.4	443.4	443.4	446.7
52.5°	387.0	385.2	383.8	386.1	384.7	385.2	383.4	383.4	384.3	383.4	382.0
55°	332.6	331.2	329.3	330.3	327.9	327.4	325.6	325.6	324.2	323.3	320.4
57.5°	280.4	279.5	275.3	274.8	275.3	272.0	268.7	267.3	263.7	262.7	262.2
60°	234.3	229.2	226.8	224.1	222.2	220.8	217.1	214.7	209.1	205.9	205.4
62.5°	186.4	184.0	181.2	177.0	176.1	171.4	167.7	161.6	158.9	154.6	150.4
65°	147.7	141.6	137.4	135.1	131.3	127.2	123.0	116.5	113.2	108.0	103.9
67.5°	108.0	102.9	97.3	95.5	92.3	87.1	82.9	77.3	74.6	69.9	68.5
70°	74.1	69.4	65.2	62.5	60.1	54.9	50.8	48.9	46.1	45.2	45.2
72.5°	47.5	43.3	38.7	37.2	35.4	32.7	29.8	28.9	29.8	29.3	29.3
75°	26.5	24.2	21.0	19.5	19.5	18.6	18.2	18.2	18.2	18.2	18.2
77.5°	13.5	12.1	11.2	10.7	10.7	10.7	11.2	11.2	11.2	11.6	11.2
80°	6.5	6.1	6.1	6.1	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	3.8	3.8	3.8	3.8	3.8
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°	0.5	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: P563926

CATALOG NUMBER: LX6C30D010 EX6C309030 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7
2.5°	1375.5	1374.5	1374.5	1374.1	1374.1	1374.1	1374.1	1374.5
5°	1360.6	1360.1	1360.1	1359.2	1359.2	1359.2	1359.2	1359.2
7.5°	1340.6	1339.7	1340.1	1339.1	1339.1	1339.7	1339.1	1338.7
10°	1315.8	1315.4	1315.8	1315.8	1314.9	1314.4	1314.9	1315.4
12.5°	1287.9	1287.5	1286.6	1287.0	1287.0	1286.6	1286.0	1285.1
15°	1255.3	1254.8	1254.4	1253.9	1253.5	1253.9	1253.5	1252.5
17.5°	1217.1	1217.1	1216.7	1216.2	1215.8	1214.8	1215.2	1216.7
20°	1176.1	1175.7	1174.8	1175.2	1173.3	1172.4	1172.8	1174.3
22.5°	1129.1	1127.7	1128.6	1127.3	1127.3	1127.7	1127.3	1126.2
25°	1077.8	1076.0	1076.9	1077.4	1077.4	1076.9	1076.5	1076.9
27.5°	1021.1	1022.4	1022.4	1021.5	1022.9	1021.1	1022.0	1022.4
30°	962.8	961.4	960.9	962.8	965.6	963.3	963.3	963.7
32.5°	902.7	900.8	900.8	901.7	901.3	901.3	903.2	900.8
35°	838.5	839.4	835.6	838.0	838.9	838.0	838.5	838.5
37.5°	773.7	772.8	772.8	772.8	774.2	774.2	775.1	774.6
40°	709.9	708.0	707.6	708.5	706.6	708.0	708.0	706.6
42.5°	640.9	641.4	643.7	641.4	641.9	641.4	640.4	640.0
45°	577.2	578.5	577.6	577.2	577.6	575.7	576.1	577.6
47.5°	509.6	512.4	509.6	511.4	510.9	510.0	509.1	507.3
50°	446.2	447.2	446.7	446.2	445.7	445.3	443.0	441.6
52.5°	381.5	381.5	381.5	381.5	376.9	379.1	378.2	375.4
55°	318.2	319.5	317.7	317.7	314.4	314.4	313.5	313.9
57.5°	257.1	255.7	254.3	254.3	251.0	249.6	248.3	246.4
60°	200.3	198.9	197.0	194.7	191.4	191.4	190.5	186.8
62.5°	146.7	144.4	143.0	141.1	138.3	136.5	135.1	136.0
65°	100.6	98.3	96.4	96.4	96.4	95.5	95.0	95.0
67.5°	66.1	67.5	66.6	67.5	67.5	66.6	66.1	67.0
70°	45.7	45.7	45.2	45.2	45.2	45.2	44.8	45.2
72.5°	29.3	29.3	29.3	29.8	29.3	29.3	29.8	29.8
75°	18.6	18.6	18.6	19.1	18.6	18.6	19.1	18.6
77.5°	11.2	11.6	11.6	11.6	11.6	11.2	11.6	11.6
80°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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)