

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: P844321

Luminaire Tested: **LD6C30DE010B40 EU6C30B40 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844321
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: LD6C30DE010B40 EU6C30B40 6LBLDWLI
Description:
Light Source: -
Ballast/Driver:

Summary

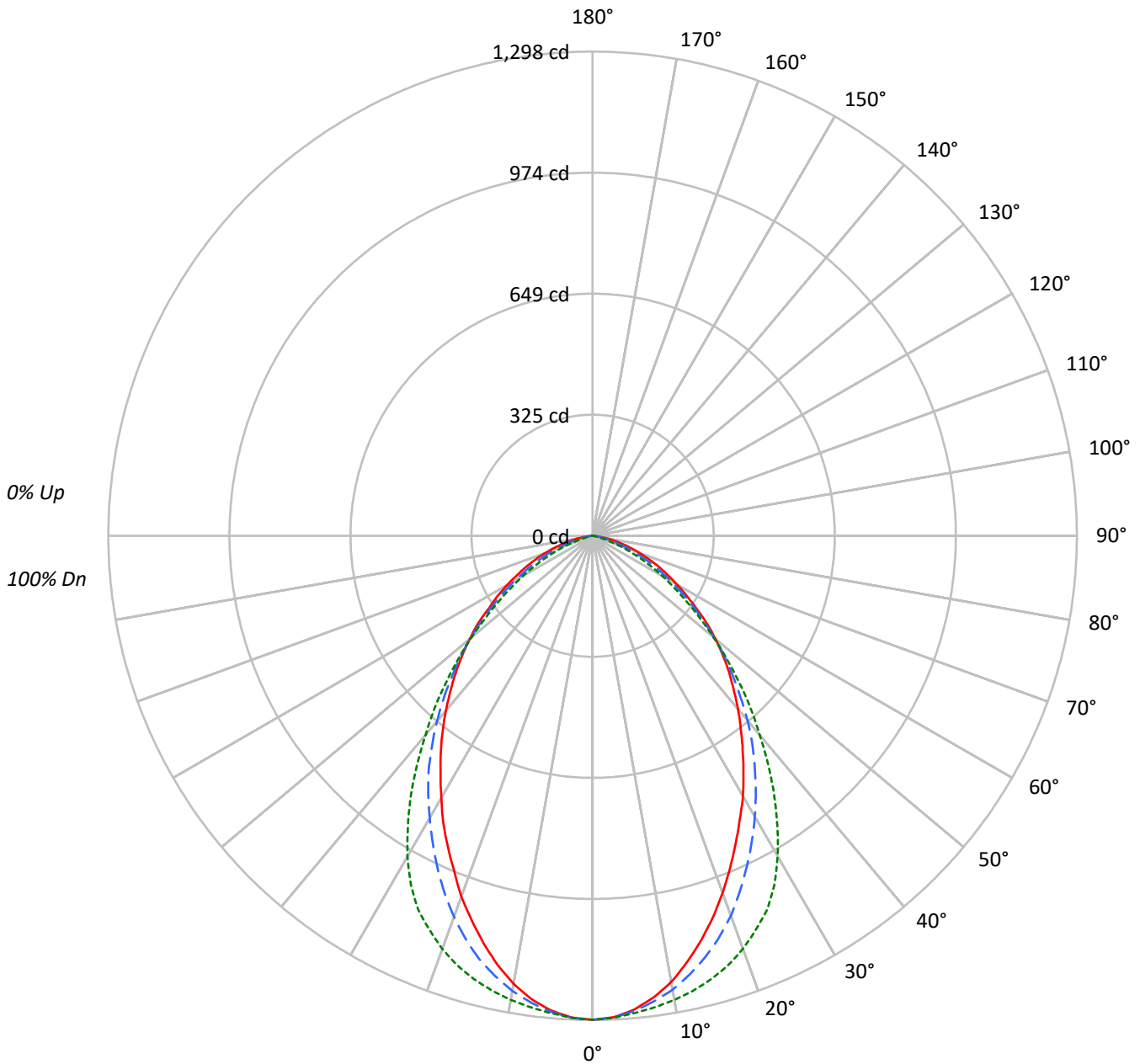
Lumens per Lamp: N/A
Luminaire Lumens: 2322.6 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	71129	71129	71129
5°	70185	70685	70306
10°	67623	70323	67890
15°	63729	69824	64149
20°	59394	68746	60024
25°	54929	66905	55582
30°	51008	62801	51362
35°	46940	56791	47455
40°	43374	49822	43775
45°	40074	43059	40206
50°	36647	36101	36613
55°	32381	29476	32505
60°	28594	23660	29022
65°	25178	17589	25333
70°	21173	11044	21734
75°	16796	4681	17241
80°	11207	1105	12028
85°	4655	252	5472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	5.2
10°-20°	329.9	14.2
20°-30°	455.4	19.6
30°-40°	479.1	20.6
40°-50°	412.6	17.8
50°-60°	293.7	12.6
60°-70°	165.6	7.1
70°-80°	58.7	2.5
80°-90°	6.6	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°	906.2	39.0
0°-40°	1385.3	59.6
0°-60°	2091.7	90.1
0°-90°	2322.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2322.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1298	1298	1298	1298	1298	
5°	1275	1278	1284	1281	1278	120
15°	1123	1168	1230	1174	1130	315
25°	908	978	1106	984	919	418
35°	701	758	849	766	709	439
45°	517	532	555	532	519	398
55°	339	328	308	328	340	305
65°	194	166	136	168	195	192
75°	79	53	22	54	81	86
85°	7	4	0	4	9	12
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°	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5
2.5°	1291.9	1292.3	1292.3	1292.7	1292.3	1292.3	1292.7	1292.7	1292.3	1292.7	1292.7
5°	1275.4	1275.0	1275.4	1275.8	1277.2	1277.2	1276.8	1276.8	1278.0	1277.6	1278.5
7.5°	1248.5	1248.5	1249.9	1250.8	1250.8	1251.2	1252.0	1253.7	1255.5	1255.9	1259.0
10°	1214.8	1215.2	1214.8	1216.5	1217.8	1220.0	1219.6	1222.5	1225.6	1229.9	1235.5
12.5°	1170.2	1171.4	1174.1	1174.1	1178.0	1180.1	1179.7	1186.7	1192.3	1197.5	1204.3
15°	1122.9	1122.5	1124.7	1128.2	1132.0	1135.1	1136.3	1145.4	1151.1	1159.8	1168.4
17.5°	1072.2	1071.0	1074.5	1076.6	1083.1	1086.9	1089.6	1097.4	1106.5	1116.9	1128.6
20°	1018.1	1020.3	1021.1	1024.1	1032.8	1035.8	1040.2	1048.9	1058.0	1070.1	1083.5
22.5°	962.7	965.6	967.4	971.3	978.2	980.8	985.2	997.8	1007.7	1018.5	1031.1
25°	908.1	911.5	914.5	919.3	924.1	928.0	933.6	942.2	953.6	963.5	977.8
27.5°	854.8	857.7	858.7	864.3	869.9	875.1	878.2	888.5	898.0	910.2	924.1
30°	805.8	804.1	806.2	811.0	817.6	820.9	826.1	833.1	843.5	855.2	869.5
32.5°	752.1	752.1	755.6	761.2	766.4	769.0	770.7	780.2	790.7	801.9	813.6
35°	701.4	703.1	706.2	709.7	715.3	717.4	721.3	728.3	736.5	749.0	757.7
37.5°	652.5	653.7	656.8	660.3	664.6	669.0	670.6	678.0	684.1	694.4	702.7
40°	606.1	606.6	609.9	611.3	615.2	616.9	620.4	624.3	633.0	637.3	645.1
42.5°	559.3	561.5	562.8	565.8	566.3	569.7	571.4	572.7	579.7	582.2	586.6
45°	516.9	516.9	518.1	518.1	520.4	519.0	521.6	524.2	524.7	528.9	531.6
47.5°	472.7	471.4	473.1	472.7	472.2	472.2	473.1	473.5	474.8	477.8	479.1
50°	429.7	426.8	426.8	426.3	425.9	427.2	427.2	426.8	426.8	428.0	426.8
52.5°	386.0	385.2	383.0	381.3	380.3	380.3	380.3	378.6	378.6	377.8	374.7
55°	338.8	340.1	339.2	338.3	337.9	336.6	336.6	334.4	331.0	329.2	327.5
57.5°	298.0	299.8	299.8	298.0	295.9	295.1	292.9	291.6	288.5	285.5	282.1
60°	260.8	262.9	260.0	258.6	258.2	256.9	256.1	251.3	248.2	245.2	241.4
62.5°	225.3	226.1	224.0	222.6	221.4	220.1	219.7	215.8	210.6	206.7	201.9
65°	194.1	192.8	192.0	189.7	187.6	185.8	185.8	180.6	175.9	171.1	166.4
67.5°	161.6	162.5	161.2	159.4	156.0	154.2	151.7	148.2	143.8	139.1	133.5
70°	132.1	131.7	130.4	128.7	126.5	123.4	121.3	119.6	113.5	107.9	103.1
72.5°	105.2	104.8	103.5	101.4	98.4	97.1	95.3	91.0	86.2	81.4	76.3
75°	79.3	79.7	77.5	76.7	73.2	71.9	71.5	66.3	62.4	58.1	53.3
77.5°	56.8	56.8	54.6	52.9	51.1	50.2	48.5	45.5	42.4	38.1	34.3
80°	35.5	35.5	35.5	33.8	32.0	31.2	29.9	27.7	24.6	22.1	19.5
82.5°	19.0	19.0	18.2	17.8	16.9	16.1	15.5	14.7	12.6	11.3	9.5
85°	7.4	7.4	7.0	7.0	6.0	6.0	5.6	5.2	4.3	3.9	3.5
87.5°	0.8	0.8	0.8	0.8	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°	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5
2.5°	1293.2	1293.2	1292.7	1293.2	1293.2	1293.2	1293.2	1293.2	1293.2	1293.2	1293.6
5°	1279.3	1280.6	1281.0	1281.5	1282.4	1282.8	1283.2	1283.7	1284.1	1284.5	1284.5
7.5°	1261.5	1264.6	1266.7	1268.9	1269.8	1270.6	1271.9	1273.7	1275.0	1275.0	1274.6
10°	1240.3	1244.2	1248.5	1252.4	1253.7	1255.9	1258.1	1260.7	1262.8	1263.3	1263.3
12.5°	1212.6	1216.9	1224.7	1231.2	1233.8	1236.9	1241.2	1245.0	1247.3	1248.5	1248.1
15°	1178.0	1187.1	1197.9	1205.3	1208.7	1214.0	1220.8	1225.2	1228.7	1230.3	1229.5
17.5°	1140.2	1152.0	1163.6	1173.7	1178.4	1183.6	1193.1	1200.9	1206.1	1207.4	1206.5
20°	1097.4	1110.4	1122.9	1135.5	1142.0	1148.1	1158.0	1167.9	1176.6	1178.4	1177.0
22.5°	1046.2	1061.0	1076.1	1090.4	1097.8	1103.4	1117.7	1129.0	1139.0	1143.3	1140.2
25°	993.4	1009.0	1025.1	1037.5	1045.8	1055.3	1068.3	1081.3	1093.5	1106.1	1094.8
27.5°	937.1	951.3	968.3	985.6	993.4	1000.3	1013.7	1030.2	1042.8	1055.3	1042.8
30°	880.8	899.0	914.1	929.2	937.9	946.2	959.6	973.0	985.2	992.1	984.3
32.5°	827.9	841.3	856.5	871.2	877.3	883.8	895.1	907.7	919.3	921.5	916.2
35°	772.5	784.1	796.7	806.2	813.6	820.5	830.5	838.3	841.3	848.6	843.5
37.5°	709.7	720.0	731.2	738.2	744.7	750.4	757.7	764.7	767.2	772.9	769.0
40°	650.2	658.9	665.5	672.8	676.3	681.9	684.9	690.5	693.6	696.2	696.7
42.5°	593.1	597.9	602.6	607.8	609.1	610.5	617.8	621.7	624.7	626.4	623.9
45°	534.6	539.4	541.1	545.0	547.2	548.1	551.0	551.5	552.4	555.4	554.1
47.5°	481.3	481.8	483.0	484.8	485.7	485.7	487.4	485.7	486.5	486.9	487.8
50°	425.4	428.4	425.4	427.2	427.6	427.2	425.9	425.0	423.7	423.3	422.8
52.5°	372.6	373.0	371.2	370.0	368.7	369.1	365.6	363.9	364.4	361.7	364.8
55°	324.5	322.8	318.9	317.6	314.5	314.1	313.7	311.5	308.0	308.4	309.4
57.5°	278.2	275.1	271.2	269.1	268.2	264.7	264.3	260.8	258.6	258.2	258.2
60°	236.1	233.5	229.6	225.7	222.6	220.9	218.8	215.3	216.2	215.8	213.5
62.5°	196.3	193.2	187.6	183.3	181.5	180.2	177.2	174.6	173.2	174.6	173.2
65°	160.8	156.0	149.4	145.1	144.7	143.0	139.5	137.8	136.4	135.6	136.9
67.5°	127.8	121.3	117.4	111.8	109.1	108.3	103.5	100.9	101.4	100.9	101.4
70°	97.5	91.0	85.8	81.4	77.9	76.7	74.0	70.6	70.2	68.9	70.6
72.5°	70.6	64.9	60.2	55.4	52.5	50.7	47.2	43.8	42.9	42.0	42.0
75°	48.5	43.8	38.6	34.3	32.0	30.4	26.9	24.2	22.1	22.1	22.1
77.5°	30.4	26.4	22.5	19.5	18.2	16.5	13.4	10.8	9.9	8.7	9.1
80°	17.3	14.3	12.2	9.9	8.7	7.8	6.0	4.8	3.5	3.5	3.5
82.5°	8.2	7.0	5.2	4.3	3.9	3.1	2.1	1.7	1.3	0.8	0.8
85°	2.6	2.1	1.7	1.3	0.8	0.8	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°	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5
2.5°	1293.2	1293.6	1293.2	1293.6	1293.2	1294.0	1294.0	1293.6	1293.6	1293.6	1293.2
5°	1284.1	1284.1	1283.7	1283.7	1283.7	1283.2	1282.0	1282.0	1281.0	1280.6	1279.7
7.5°	1274.1	1273.3	1271.9	1271.5	1270.2	1268.9	1266.3	1264.2	1262.4	1260.3	1258.1
10°	1262.0	1259.9	1257.2	1255.5	1254.7	1251.6	1247.7	1242.5	1239.0	1235.1	1230.8
12.5°	1246.4	1243.8	1239.0	1235.5	1233.4	1227.8	1222.1	1215.6	1208.7	1201.8	1197.5
15°	1226.0	1221.7	1215.6	1212.2	1208.2	1200.5	1190.5	1181.4	1174.5	1166.7	1156.3
17.5°	1202.2	1195.8	1187.5	1181.8	1177.0	1166.7	1154.9	1143.3	1132.9	1123.3	1112.9
20°	1169.3	1161.5	1151.6	1144.1	1139.4	1126.0	1113.4	1099.5	1086.9	1075.7	1063.6
22.5°	1130.7	1117.7	1107.8	1099.1	1093.9	1078.8	1064.8	1050.1	1036.7	1026.8	1013.7
25°	1082.2	1069.7	1057.1	1050.1	1041.9	1025.9	1011.6	996.4	983.8	971.3	959.2
27.5°	1030.7	1016.0	1002.1	993.9	986.5	970.9	956.5	942.7	928.4	914.5	903.7
30°	974.3	959.6	948.8	938.3	930.2	917.6	899.8	886.0	873.4	860.8	849.6
32.5°	911.5	899.4	886.4	881.2	875.1	860.0	846.1	832.7	820.1	807.5	795.9
35°	838.7	829.2	821.4	815.8	811.8	798.4	787.6	773.3	765.5	752.9	744.3
37.5°	764.2	759.5	754.2	747.3	741.7	733.9	727.4	715.7	706.6	697.5	688.0
40°	692.8	687.6	680.6	677.1	675.8	669.0	659.9	653.7	648.5	640.3	635.1
42.5°	622.9	620.4	613.4	611.7	609.9	603.9	599.6	594.4	590.9	584.9	582.2
45°	552.0	551.5	549.8	548.1	547.2	542.9	541.9	535.5	532.4	531.1	528.5
47.5°	489.2	487.8	485.2	487.8	483.9	483.4	483.4	482.2	480.9	477.4	477.0
50°	425.0	427.2	427.6	426.3	428.9	428.4	426.3	426.8	427.6	429.3	426.8
52.5°	366.0	367.8	370.8	369.5	371.8	373.9	373.0	376.5	375.1	376.9	380.3
55°	310.2	315.0	318.0	316.7	318.5	321.0	321.8	324.9	327.5	330.5	332.7
57.5°	262.1	263.4	267.7	269.1	269.5	271.6	275.9	280.7	283.8	285.9	288.1
60°	214.9	219.2	222.2	222.2	225.7	228.8	232.7	237.0	240.4	245.7	249.5
62.5°	175.0	175.9	180.2	180.6	183.3	188.5	191.5	198.0	202.3	207.9	213.1
65°	136.4	140.3	143.0	143.4	147.3	151.2	155.6	161.6	167.6	172.4	177.2
67.5°	102.3	104.4	107.9	110.9	111.8	117.4	124.0	129.6	134.7	139.1	145.1
70°	71.5	73.2	77.9	79.7	82.3	86.6	91.8	97.9	104.0	110.0	114.8
72.5°	43.8	47.7	50.7	53.3	55.4	60.6	66.3	71.5	76.7	81.9	88.0
75°	24.2	26.9	30.4	32.9	35.1	39.0	44.2	49.4	54.2	58.9	63.2
77.5°	10.8	13.4	16.5	18.2	19.9	23.4	27.3	31.6	35.5	39.0	42.9
80°	4.3	6.0	7.8	9.1	9.9	12.2	15.1	17.3	19.9	23.0	26.0
82.5°	1.7	2.1	3.1	3.9	4.3	5.6	7.0	8.2	10.4	11.7	13.4
85°	0.4	0.4	0.8	0.8	1.3	1.7	2.1	3.1	3.5	3.9	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
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: P844321

CATALOG NUMBER: LD6C30DE010B40 EU6C30B40 6LBDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5	1297.5
2.5°	1293.2	1292.7	1292.7	1292.7	1292.7	1292.3	1292.3	1292.3
5°	1280.2	1279.3	1278.9	1278.9	1277.6	1278.0	1278.0	1277.6
7.5°	1257.2	1256.4	1255.1	1255.9	1255.5	1254.2	1253.7	1253.3
10°	1227.4	1225.6	1225.2	1223.0	1221.7	1221.2	1221.2	1219.6
12.5°	1191.8	1187.1	1186.7	1184.4	1181.4	1179.7	1180.5	1178.0
15°	1152.4	1145.4	1142.0	1140.2	1136.7	1133.8	1131.1	1130.3
17.5°	1104.3	1096.4	1093.9	1092.2	1084.8	1084.4	1080.9	1079.6
20°	1054.0	1047.2	1043.2	1040.6	1035.0	1029.8	1029.4	1028.9
22.5°	1005.1	993.9	990.4	986.5	980.4	976.1	973.4	971.3
25°	949.6	940.6	934.5	930.6	926.3	922.8	919.3	918.9
27.5°	894.2	885.6	881.6	878.2	872.5	868.6	865.1	866.9
30°	840.1	831.4	827.1	824.4	818.8	816.6	810.6	811.4
32.5°	786.4	778.5	775.5	770.3	765.1	762.4	760.3	758.5
35°	734.7	728.3	724.0	720.5	715.7	711.4	709.1	709.1
37.5°	682.4	675.8	673.7	671.1	666.7	660.7	658.5	660.3
40°	629.1	624.3	622.1	620.4	616.1	613.9	611.7	611.7
42.5°	578.3	573.6	573.1	571.4	567.9	566.7	564.9	563.6
45°	525.5	523.3	521.6	521.6	521.2	520.8	519.4	518.6
47.5°	474.8	475.3	474.3	473.9	474.3	473.1	474.8	473.5
50°	428.4	427.6	428.4	427.6	428.0	429.7	428.0	429.3
52.5°	379.1	383.0	383.4	381.7	383.4	384.7	385.6	387.7
55°	335.3	336.6	337.5	339.2	340.1	342.7	340.1	340.1
57.5°	292.9	295.1	295.9	297.2	300.7	299.3	301.5	303.2
60°	254.3	256.9	258.6	260.0	261.2	264.3	265.1	264.7
62.5°	216.6	220.5	220.9	224.4	225.3	227.5	229.2	227.5
65°	181.5	185.0	187.6	189.7	192.4	194.5	194.1	195.3
67.5°	149.4	153.8	156.0	156.8	160.3	161.2	163.3	164.7
70°	120.5	123.4	126.1	127.3	129.6	132.1	134.3	135.6
72.5°	91.8	96.6	99.2	100.1	103.5	105.2	106.2	107.5
75°	68.0	71.9	73.2	75.4	77.1	81.0	80.6	81.4
77.5°	47.2	49.8	52.5	52.5	55.4	56.4	58.5	58.9
80°	28.1	31.2	32.5	32.9	35.1	36.4	37.2	38.1
82.5°	14.7	16.9	16.9	17.8	19.5	19.5	19.9	20.8
85°	5.6	6.5	7.0	7.0	7.4	8.2	8.2	8.7
87.5°	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3
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)