

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: P844304

Luminaire Tested: **LD6C30DE010B2750 EU6C30B35 6LBDWWLI**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844304  
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: LD6C30DE010B2750 EU6C30B35 6LBLDWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

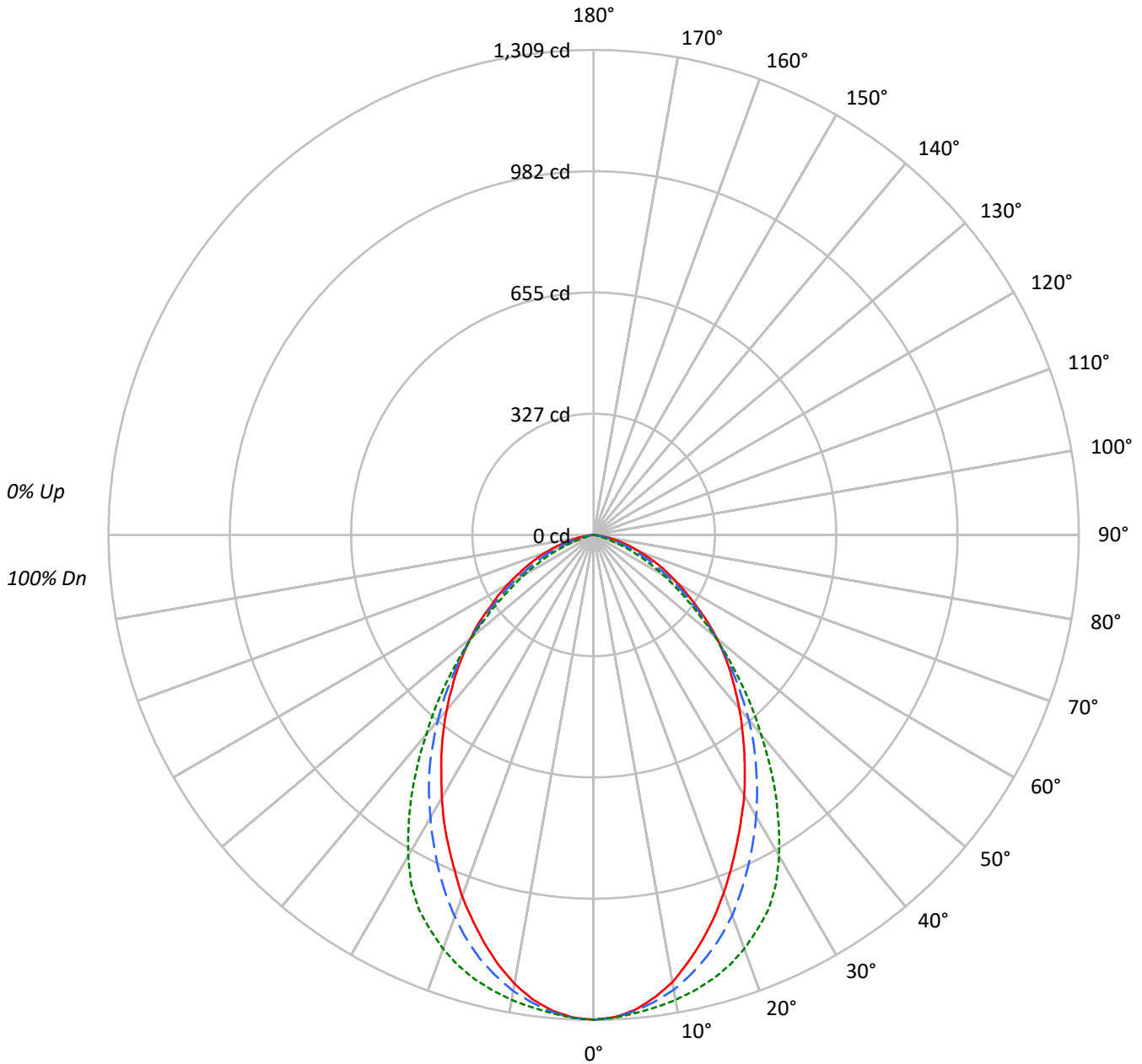
Lumens per Lamp: N/A  
Luminaire Lumens: 2342.7 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	71743	71743	71743
5°	70796	71296	70911
10°	68207	70929	68475
15°	64280	70432	64700
20°	59908	69341	60549
25°	55400	67480	56060
30°	51451	63339	51812
35°	47348	57286	47877
40°	43746	50258	44154
45°	40415	43431	40555
50°	36971	36417	36928
55°	32658	29743	32783
60°	28835	23869	29263
65°	25398	17745	25554
70°	21366	11140	21927
75°	16945	4723	17411
80°	11334	1105	12154
85°	4655	252	5535



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.9	5.2
10°-20°	332.7	14.2
20°-30°	459.4	19.6
30°-40°	483.2	20.6
40°-50°	416.2	17.8
50°-60°	296.3	12.6
60°-70°	167.0	7.1
70°-80°	59.2	2.5
80°-90°	6.7	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°	914.1	39.0
0°-40°	1397.3	59.6
0°-60°	2109.8	90.1
0°-90°	2342.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2342.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1309	1309	1309	1309	1309	
5°	1286	1290	1296	1292	1289	121
15°	1133	1178	1241	1185	1140	317
25°	916	986	1116	992	927	422
35°	708	764	856	772	715	443
45°	521	536	560	537	523	402
55°	342	330	311	330	343	308
65°	196	168	137	169	197	194
75°	80	54	22	55	82	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°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1303.1	1303.5	1303.5	1304.0	1303.5	1303.5	1304.0	1304.0	1303.5	1304.0	1304.0
5°	1286.5	1286.0	1286.5	1286.9	1288.2	1288.2	1287.8	1287.8	1289.0	1288.6	1289.5
7.5°	1259.3	1259.3	1260.7	1261.5	1261.5	1262.0	1262.8	1264.6	1266.4	1266.8	1269.9
10°	1225.3	1225.7	1225.3	1227.1	1228.3	1230.6	1230.1	1233.2	1236.2	1240.6	1246.2
12.5°	1180.3	1181.6	1184.2	1184.2	1188.1	1190.4	1189.8	1196.9	1202.5	1207.8	1214.8
15°	1132.6	1132.2	1134.4	1137.9	1141.8	1144.9	1146.2	1155.4	1161.1	1169.7	1178.5
17.5°	1081.5	1080.2	1083.7	1085.9	1092.4	1096.3	1099.0	1106.8	1116.0	1126.5	1138.3
20°	1026.9	1029.1	1029.9	1033.0	1041.8	1044.8	1049.2	1058.0	1067.0	1079.3	1092.9
22.5°	971.0	974.0	975.8	979.7	986.7	989.3	993.6	1006.3	1016.4	1027.3	1040.0
25°	915.9	919.4	922.5	927.2	932.1	936.0	941.7	950.4	961.8	971.9	986.2
27.5°	862.2	865.3	866.1	871.8	877.4	882.7	885.8	896.2	905.9	918.1	932.1
30°	812.8	811.0	813.2	818.0	824.5	828.0	833.3	840.3	850.8	862.6	877.0
32.5°	758.6	758.6	762.1	767.7	773.0	775.7	777.4	787.0	797.5	808.9	820.6
35°	707.5	709.2	712.3	715.8	721.4	723.6	727.5	734.5	742.9	755.6	764.2
37.5°	658.1	659.4	662.5	666.0	670.3	674.7	676.5	683.9	690.0	700.5	708.8
40°	611.3	611.7	615.2	616.6	620.5	622.2	625.8	629.7	638.4	642.8	650.7
42.5°	564.1	566.4	567.6	570.7	571.1	574.6	576.4	577.7	584.7	587.3	591.6
45°	521.3	521.3	522.6	522.6	524.8	523.5	526.2	528.7	529.1	533.6	536.2
47.5°	476.8	475.4	477.2	476.8	476.3	476.3	477.2	477.6	478.9	482.0	483.3
50°	433.5	430.5	430.5	430.0	429.5	430.9	430.9	430.5	430.5	431.7	430.5
52.5°	389.3	388.5	386.2	384.6	383.7	383.7	383.7	381.9	381.9	381.1	378.0
55°	341.7	343.0	342.1	341.3	340.9	339.5	339.5	337.4	333.9	332.1	330.4
57.5°	300.7	302.4	302.4	300.7	298.5	297.6	295.4	294.1	291.1	288.0	284.5
60°	263.0	265.3	262.2	260.9	260.4	259.1	258.3	253.4	250.3	247.4	243.4
62.5°	227.2	228.1	225.9	224.6	223.3	222.0	221.6	217.7	212.4	208.5	203.6
65°	195.8	194.5	193.5	191.4	189.2	187.4	187.4	182.2	177.4	172.6	167.8
67.5°	163.0	163.8	162.6	160.8	157.3	155.6	152.9	149.4	145.1	140.2	134.6
70°	133.3	132.8	131.6	129.8	127.6	124.6	122.4	120.6	114.4	108.8	104.0
72.5°	106.2	105.8	104.4	102.3	99.2	97.8	96.1	91.8	86.9	82.2	76.9
75°	80.0	80.4	78.3	77.3	73.8	72.6	72.1	66.8	62.9	58.6	53.7
77.5°	57.2	57.2	55.1	53.3	51.6	50.7	49.0	45.9	42.8	38.5	34.5
80°	35.9	35.9	35.9	34.1	32.4	31.4	30.1	27.9	25.0	22.3	19.7
82.5°	19.2	19.2	18.4	17.9	17.0	16.2	15.8	14.8	12.7	11.3	9.6
85°	7.4	7.4	7.0	7.0	6.1	6.1	5.7	5.3	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°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1304.4	1304.4	1304.0	1304.4	1304.4	1304.4	1304.4	1304.4	1304.4	1304.4	1304.8
5°	1290.4	1291.7	1292.1	1292.5	1293.5	1293.9	1294.3	1294.8	1295.2	1295.6	1295.6
7.5°	1272.4	1275.5	1277.7	1279.9	1280.8	1281.6	1283.0	1284.7	1286.0	1286.0	1285.6
10°	1251.1	1255.0	1259.3	1263.3	1264.6	1266.8	1268.9	1271.6	1273.8	1274.2	1274.2
12.5°	1223.0	1227.5	1235.3	1241.9	1244.5	1247.6	1251.9	1255.8	1258.1	1259.3	1258.9
15°	1188.1	1197.3	1208.2	1215.6	1219.1	1224.4	1231.4	1235.7	1239.2	1241.0	1240.2
17.5°	1150.1	1161.9	1173.8	1183.8	1188.6	1193.9	1203.5	1211.3	1216.5	1217.9	1217.0
20°	1106.8	1119.9	1132.6	1145.3	1151.9	1158.0	1168.1	1178.1	1186.9	1188.6	1187.3
22.5°	1055.3	1070.1	1085.4	1099.8	1107.3	1112.9	1127.4	1138.8	1148.8	1153.1	1150.1
25°	1002.0	1017.8	1033.8	1046.5	1054.9	1064.5	1077.6	1090.7	1102.9	1115.6	1104.3
27.5°	945.2	959.6	976.6	994.1	1002.0	1009.0	1022.5	1039.1	1051.8	1064.5	1051.8
30°	888.4	906.7	922.0	937.3	946.1	954.4	967.9	981.5	993.6	1000.6	992.8
32.5°	835.1	848.6	863.9	878.8	884.9	891.5	902.8	915.5	927.2	929.4	924.2
35°	779.2	790.9	803.6	813.2	820.6	827.6	837.6	845.6	848.6	856.0	850.8
37.5°	715.8	726.3	737.6	744.6	751.1	756.8	764.2	771.2	773.9	779.6	775.7
40°	655.9	664.6	671.2	678.6	682.1	687.8	690.8	696.6	699.6	702.3	702.7
42.5°	598.2	603.1	607.8	613.1	614.4	615.6	623.2	627.1	630.1	631.8	629.3
45°	539.2	544.0	545.7	549.8	551.9	552.8	555.8	556.3	557.2	560.2	558.9
47.5°	485.5	485.9	487.3	488.9	489.9	489.9	491.6	489.9	490.7	491.2	492.0
50°	429.1	432.1	429.1	430.9	431.3	430.9	429.5	428.7	427.4	427.0	426.4
52.5°	375.8	376.2	374.5	373.1	371.9	372.3	368.8	367.1	367.5	364.9	368.0
55°	327.3	325.5	321.6	320.3	317.3	316.8	316.3	314.2	310.7	311.2	312.0
57.5°	280.6	277.5	273.5	271.4	270.4	266.9	266.5	263.0	260.9	260.4	260.4
60°	238.2	235.5	231.6	227.7	224.6	222.8	220.6	217.1	218.1	217.7	215.4
62.5°	198.0	194.9	189.2	184.9	183.1	181.8	178.7	176.1	174.8	176.1	174.8
65°	162.1	157.3	150.7	146.4	146.0	144.2	140.7	139.0	137.6	136.8	138.1
67.5°	128.9	122.4	118.5	112.7	110.1	109.3	104.4	101.9	102.3	101.9	102.3
70°	98.4	91.8	86.5	82.2	78.7	77.3	74.8	71.2	70.8	69.5	71.2
72.5°	71.2	65.6	60.7	55.9	52.9	51.1	47.6	44.1	43.3	42.4	42.4
75°	49.0	44.1	38.9	34.5	32.4	30.6	27.1	24.4	22.3	22.3	22.3
77.5°	30.6	26.7	22.7	19.7	18.4	16.6	13.5	10.9	10.0	8.8	9.2
80°	17.5	14.4	12.3	10.0	8.8	7.8	6.1	4.8	3.5	3.5	3.5
82.5°	8.4	7.0	5.3	4.3	3.9	3.1	2.2	1.8	1.3	0.8	0.8
85°	2.6	2.2	1.8	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°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1304.4	1304.8	1304.4	1304.8	1304.4	1305.2	1305.2	1304.8	1304.8	1304.8	1304.4
5°	1295.2	1295.2	1294.8	1294.8	1294.8	1294.3	1293.1	1293.1	1292.1	1291.7	1290.8
7.5°	1285.1	1284.3	1283.0	1282.5	1281.2	1279.9	1277.3	1275.1	1273.4	1271.2	1268.9
10°	1272.9	1270.7	1268.1	1266.4	1265.5	1262.4	1258.5	1253.3	1249.8	1245.8	1241.5
12.5°	1257.2	1254.6	1249.8	1246.2	1244.1	1238.4	1232.7	1226.1	1219.1	1212.2	1207.8
15°	1236.7	1232.2	1226.1	1222.6	1218.7	1210.9	1200.8	1191.6	1184.7	1176.8	1166.3
17.5°	1212.6	1206.0	1197.8	1192.1	1187.3	1176.8	1165.0	1153.1	1142.7	1133.0	1122.6
20°	1179.4	1171.5	1161.5	1154.1	1149.2	1135.7	1123.0	1109.0	1096.3	1085.0	1072.8
22.5°	1140.6	1127.4	1117.4	1108.6	1103.3	1088.1	1074.1	1059.2	1045.7	1035.6	1022.5
25°	1091.6	1078.9	1066.2	1059.2	1051.0	1034.8	1020.3	1005.1	992.4	979.7	967.4
27.5°	1039.5	1024.7	1010.7	1002.4	995.0	979.3	964.9	950.8	936.4	922.5	911.6
30°	982.8	967.9	956.9	946.5	938.2	925.5	907.6	893.6	880.9	868.3	856.9
32.5°	919.4	907.1	894.0	888.8	882.7	867.4	853.4	839.9	827.2	814.5	802.7
35°	846.0	836.4	828.6	822.8	818.9	805.4	794.4	780.0	772.2	759.5	750.7
37.5°	770.8	766.0	760.8	753.8	748.1	740.2	733.7	721.8	712.7	703.5	693.9
40°	698.8	693.5	686.5	683.0	681.6	674.7	665.5	659.4	654.1	645.9	640.6
42.5°	628.3	625.8	618.7	617.0	615.2	609.2	604.8	599.6	596.1	589.9	587.3
45°	556.7	556.3	554.5	552.8	551.9	547.5	546.7	540.1	537.1	535.7	533.2
47.5°	493.4	492.0	489.4	492.0	488.1	487.7	487.7	486.4	485.0	481.5	481.1
50°	428.7	430.9	431.3	430.0	432.6	432.1	430.0	430.5	431.3	433.0	430.5
52.5°	369.2	371.0	374.1	372.7	374.9	377.2	376.2	379.7	378.4	380.2	383.7
55°	312.8	317.7	320.8	319.4	321.2	323.8	324.7	327.8	330.4	333.4	335.6
57.5°	264.4	265.7	270.0	271.4	271.8	274.0	278.4	283.1	286.2	288.4	290.6
60°	216.7	221.2	224.2	224.2	227.7	230.8	234.7	239.0	242.5	247.8	251.7
62.5°	176.5	177.4	181.8	182.2	184.9	190.1	193.1	199.7	204.0	209.7	215.0
65°	137.6	141.6	144.2	144.7	148.6	152.5	156.8	163.0	169.1	173.9	178.7
67.5°	103.1	105.3	108.8	111.9	112.7	118.5	125.0	130.6	135.9	140.2	146.4
70°	72.1	73.8	78.7	80.4	83.0	87.4	92.6	98.8	104.9	110.9	115.8
72.5°	44.1	48.0	51.1	53.7	55.9	61.1	66.8	72.1	77.3	82.6	88.7
75°	24.4	27.1	30.6	33.2	35.4	39.3	44.5	49.8	54.6	59.4	63.8
77.5°	10.9	13.5	16.6	18.4	20.1	23.6	27.5	31.9	35.9	39.3	43.3
80°	4.3	6.1	7.8	9.2	10.0	12.3	15.3	17.5	20.1	23.2	26.2
82.5°	1.8	2.2	3.1	3.9	4.3	5.7	7.0	8.4	10.5	11.8	13.5
85°	0.4	0.4	0.8	0.8	1.3	1.8	2.2	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: P844304

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B35 6LBLDWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1304.4	1304.0	1304.0	1304.0	1304.0	1303.5	1303.5	1303.5
5°	1291.3	1290.4	1290.0	1290.0	1288.6	1289.0	1289.0	1288.6
7.5°	1268.1	1267.3	1265.9	1266.8	1266.4	1265.0	1264.6	1264.2
10°	1238.0	1236.2	1235.7	1233.6	1232.2	1231.8	1231.8	1230.1
12.5°	1202.1	1197.3	1196.9	1194.7	1191.6	1189.8	1190.8	1188.1
15°	1162.3	1155.4	1151.9	1150.1	1146.6	1143.6	1141.0	1140.0
17.5°	1113.9	1106.0	1103.3	1101.6	1094.2	1093.8	1090.2	1088.9
20°	1063.1	1056.2	1052.2	1049.6	1044.0	1038.7	1038.3	1037.9
22.5°	1013.7	1002.4	998.9	995.0	988.9	984.6	981.9	979.7
25°	957.9	948.7	942.6	938.6	934.2	930.7	927.2	926.8
27.5°	902.0	893.2	889.3	885.8	880.1	876.1	872.7	874.3
30°	847.3	838.6	834.2	831.6	825.9	823.7	817.6	818.5
32.5°	793.1	785.3	782.2	776.9	771.6	769.1	766.9	765.2
35°	741.1	734.5	730.2	726.7	721.8	717.5	715.4	715.4
37.5°	688.2	681.6	679.5	676.9	672.5	666.4	664.2	666.0
40°	634.5	629.7	627.5	625.8	621.4	619.2	617.0	617.0
42.5°	583.4	578.5	578.1	576.4	572.9	571.5	569.9	568.5
45°	530.1	527.9	526.2	526.2	525.6	525.2	524.0	523.1
47.5°	478.9	479.3	478.5	478.1	478.5	477.2	478.9	477.6
50°	432.1	431.3	432.1	431.3	431.7	433.5	431.7	433.0
52.5°	382.3	386.2	386.8	385.0	386.8	388.0	388.9	391.1
55°	338.2	339.5	340.5	342.1	343.0	345.6	343.0	343.0
57.5°	295.4	297.6	298.5	299.7	303.2	302.0	304.2	305.9
60°	256.5	259.1	260.9	262.2	263.5	266.5	267.5	266.9
62.5°	218.5	222.4	222.8	226.3	227.2	229.4	231.2	229.4
65°	183.1	186.6	189.2	191.4	194.0	196.2	195.8	197.0
67.5°	150.7	155.2	157.3	158.2	161.7	162.6	164.8	166.0
70°	121.5	124.6	127.1	128.5	130.6	133.3	135.5	136.8
72.5°	92.6	97.4	100.1	100.9	104.4	106.2	107.0	108.4
75°	68.6	72.6	73.8	76.0	77.7	81.8	81.2	82.2
77.5°	47.6	50.2	52.9	52.9	55.9	56.8	59.0	59.4
80°	28.5	31.4	32.8	33.2	35.4	36.7	37.5	38.5
82.5°	14.8	17.0	17.0	17.9	19.7	19.7	20.1	20.9
85°	5.7	6.6	7.0	7.0	7.4	8.4	8.4	8.8
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)