

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: P844287

Luminaire Tested: **LD6C30DE010B2750 EU6C30B30 6LBDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844287
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 EU6C30B30 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

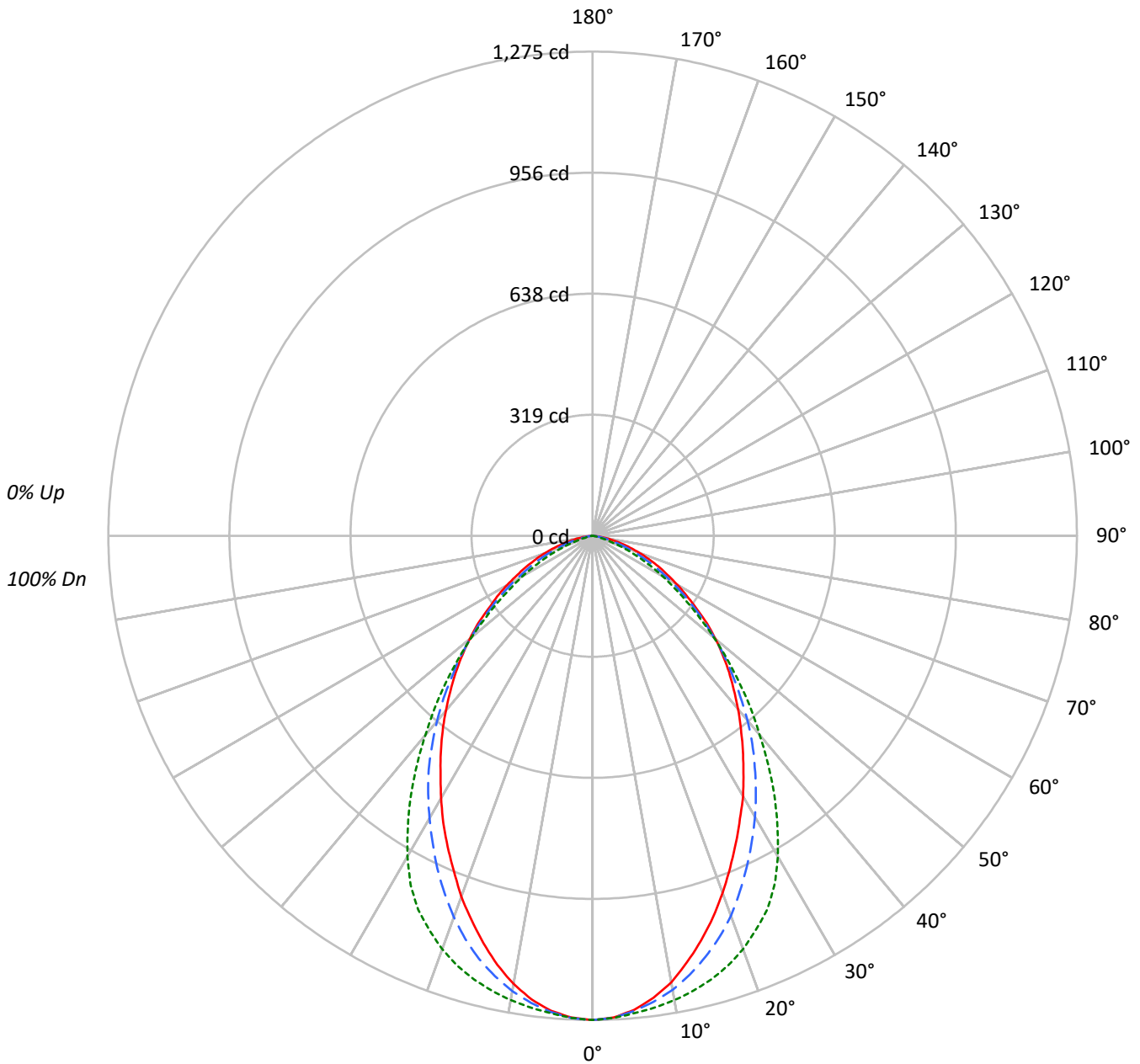
Lumens per Lamp: N/A
Luminaire Lumens: 2282.4 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	69901	69901	69901
5°	68974	69464	69090
10°	66454	69109	66710
15°	62628	68621	63037
20°	58368	67556	58986
25°	53973	65744	54620
30°	50128	61712	50476
35°	46130	55814	46639
40°	42623	48963	43023
45°	39376	42307	39508
50°	36016	35479	35982
55°	31817	28969	31942
60°	28101	23255	28517
65°	24737	17291	24905
70°	20821	10851	21366
75°	16500	4596	16966
80°	11018	1073	11807
85°	4529	252	5409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	5.2
10°-20°	324.2	14.2
20°-30°	447.6	19.6
30°-40°	470.8	20.6
40°-50°	405.5	17.8
50°-60°	288.7	12.6
60°-70°	162.7	7.1
70°-80°	57.7	2.5
80°-90°	6.5	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°	890.5	39.0
0°-40°	1361.4	59.6
0°-60°	2055.5	90.1
0°-90°	2282.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2282.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1275	1275	1275	1275	1275	
5°	1253	1256	1262	1259	1256	118
15°	1104	1148	1209	1154	1111	309
25°	892	961	1087	967	903	411
35°	689	745	834	752	697	432
45°	508	522	546	523	510	391
55°	333	322	303	322	334	300
65°	191	164	133	165	192	189
75°	78	52	22	53	80	84
85°	7	3	0	3	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°	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1
2.5°	1269.6	1270.0	1270.0	1270.4	1270.0	1270.0	1270.4	1270.4	1270.0	1270.4	1270.4
5°	1253.4	1253.0	1253.4	1253.8	1255.1	1255.1	1254.7	1254.7	1255.9	1255.5	1256.4
7.5°	1227.0	1227.0	1228.2	1229.1	1229.1	1229.5	1230.3	1232.0	1233.7	1234.2	1237.2
10°	1193.8	1194.2	1193.8	1195.4	1196.7	1198.8	1198.4	1201.4	1204.4	1208.7	1214.2
12.5°	1149.9	1151.1	1153.8	1153.8	1157.6	1159.7	1159.3	1166.0	1171.6	1176.7	1183.5
15°	1103.5	1103.1	1105.2	1108.6	1112.4	1115.4	1116.6	1125.6	1131.1	1139.7	1148.2
17.5°	1053.7	1052.5	1055.8	1058.0	1064.3	1068.2	1070.7	1078.4	1087.4	1097.5	1109.0
20°	1000.5	1002.6	1003.5	1006.4	1014.9	1018.0	1022.2	1030.7	1039.7	1051.6	1064.7
22.5°	945.9	948.9	950.7	954.5	961.3	963.8	968.2	980.4	990.3	1000.9	1013.2
25°	892.3	895.7	898.7	903.4	908.1	911.9	917.5	926.0	937.1	946.8	960.9
27.5°	840.0	842.9	843.8	849.4	854.9	860.0	862.9	873.2	882.5	894.4	908.1
30°	791.9	790.2	792.3	796.9	803.4	806.8	811.8	818.7	828.9	840.4	854.5
32.5°	739.1	739.1	742.5	748.0	753.1	755.7	757.4	766.8	776.9	788.0	799.6
35°	689.3	691.0	693.9	697.3	702.9	705.0	708.8	715.7	723.7	736.1	744.6
37.5°	641.1	642.4	645.4	648.9	653.1	657.3	659.0	666.3	672.2	682.5	690.5
40°	595.6	596.0	599.5	600.7	604.5	606.2	609.6	613.4	622.0	626.2	633.9
42.5°	549.7	551.8	553.0	556.0	556.4	559.8	561.5	562.8	569.6	572.2	576.4
45°	507.9	507.9	509.1	509.1	511.3	510.0	512.5	515.2	515.6	519.8	522.4
47.5°	464.5	463.2	464.9	464.5	464.1	464.1	464.9	465.4	466.6	469.6	470.9
50°	422.3	419.4	419.4	418.9	418.5	419.8	419.8	419.4	419.4	420.6	419.4
52.5°	379.4	378.5	376.3	374.6	373.8	373.8	373.8	372.1	372.1	371.2	368.3
55°	332.9	334.2	333.4	332.5	332.1	330.8	330.8	328.7	325.2	323.5	321.8
57.5°	292.9	294.7	294.7	292.9	290.7	289.9	287.8	286.5	283.6	280.6	277.1
60°	256.3	258.4	255.4	254.1	253.7	252.5	251.6	247.0	244.0	240.9	237.1
62.5°	221.4	222.2	220.1	218.8	217.6	216.3	215.9	212.1	206.9	203.1	198.4
65°	190.7	189.4	188.6	186.5	184.3	182.7	182.7	177.6	172.8	168.2	163.5
67.5°	158.8	159.6	158.3	156.6	153.3	151.6	149.0	145.6	141.3	136.6	131.1
70°	129.9	129.5	128.2	126.5	124.3	121.3	119.2	117.5	111.6	106.0	101.3
72.5°	103.4	103.0	101.7	99.6	96.7	95.4	93.7	89.4	84.7	80.1	74.9
75°	77.9	78.4	76.3	75.3	71.9	70.6	70.2	65.2	61.3	57.0	52.4
77.5°	55.7	55.7	53.6	51.9	50.2	49.4	47.7	44.7	41.7	37.4	33.6
80°	34.9	34.9	34.9	33.2	31.5	30.7	29.4	27.3	24.2	21.7	19.1
82.5°	18.7	18.7	17.9	17.5	16.6	15.8	15.3	14.5	12.4	11.1	9.4
85°	7.2	7.2	6.8	6.8	5.9	5.9	5.5	5.1	4.2	3.8	3.4
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°	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1
2.5°	1270.9	1270.9	1270.4	1270.9	1270.9	1270.9	1270.9	1270.9	1270.9	1270.9	1271.3
5°	1257.2	1258.5	1258.9	1259.3	1260.2	1260.6	1261.0	1261.4	1261.9	1262.3	1262.3
7.5°	1239.8	1242.7	1244.8	1247.0	1247.8	1248.6	1249.9	1251.6	1253.0	1253.0	1252.4
10°	1218.8	1222.7	1227.0	1230.8	1232.0	1234.2	1236.4	1238.9	1241.0	1241.5	1241.5
12.5°	1191.6	1195.9	1203.6	1209.9	1212.5	1215.4	1219.8	1223.6	1225.7	1227.0	1226.5
15°	1157.6	1166.5	1177.1	1184.3	1187.8	1192.9	1199.7	1204.0	1207.4	1209.1	1208.2
17.5°	1120.6	1132.0	1143.5	1153.3	1158.0	1163.1	1172.5	1180.1	1185.2	1186.6	1185.7
20°	1078.4	1091.2	1103.5	1115.8	1122.3	1128.2	1138.0	1147.7	1156.3	1158.0	1156.7
22.5°	1028.1	1042.6	1057.5	1071.6	1078.8	1084.3	1098.4	1109.5	1119.3	1123.5	1120.6
25°	976.2	991.5	1007.3	1019.7	1027.7	1037.1	1049.8	1062.6	1074.6	1086.9	1075.8
27.5°	920.9	934.9	951.6	968.6	976.2	983.0	996.2	1012.4	1024.7	1037.1	1024.7
30°	865.5	883.4	898.2	913.2	921.7	929.8	943.0	956.2	968.2	974.9	967.3
32.5°	813.5	826.8	841.7	856.2	862.1	868.5	879.5	891.9	903.4	905.5	900.5
35°	759.1	770.6	783.0	792.3	799.6	806.3	816.2	823.8	826.8	834.0	828.9
37.5°	697.3	707.6	718.7	725.4	731.9	737.4	744.6	751.4	754.0	759.5	755.7
40°	639.0	647.6	653.9	661.1	664.6	670.1	673.1	678.6	681.6	684.2	684.6
42.5°	582.9	587.5	592.2	597.4	598.6	599.9	607.1	610.9	614.0	615.6	613.0
45°	525.3	530.1	531.8	535.6	537.7	538.5	541.5	541.9	542.8	545.7	544.5
47.5°	473.0	473.4	474.7	476.4	477.2	477.2	478.9	477.2	478.1	478.5	479.4
50°	418.1	421.0	418.1	419.8	420.2	419.8	418.5	417.7	416.4	416.0	415.5
52.5°	366.2	366.6	364.9	363.6	362.3	362.8	359.3	357.6	358.0	355.5	358.4
55°	318.9	317.2	313.4	312.1	309.0	308.6	308.2	306.1	302.7	303.1	304.0
57.5°	273.3	270.3	266.5	264.4	263.6	260.1	259.6	256.3	254.1	253.7	253.7
60°	232.0	229.5	225.6	221.8	218.8	217.1	215.0	211.6	212.5	212.1	209.8
62.5°	192.8	189.8	184.3	180.1	178.4	177.2	174.1	171.5	170.3	171.5	170.3
65°	157.9	153.3	146.9	142.6	142.1	140.5	137.1	135.4	134.1	133.3	134.5
67.5°	125.5	119.2	115.4	109.9	107.2	106.4	101.7	99.2	99.6	99.2	99.6
70°	95.8	89.4	84.3	80.1	76.7	75.3	72.8	69.4	69.0	67.7	69.4
72.5°	69.4	63.9	59.2	54.5	51.5	49.8	46.4	43.0	42.2	41.2	41.2
75°	47.7	43.0	37.9	33.6	31.5	29.8	26.4	23.8	21.7	21.7	21.7
77.5°	29.8	26.0	22.1	19.1	17.9	16.2	13.2	10.7	9.8	8.6	9.0
80°	17.0	14.1	12.0	9.8	8.6	7.6	5.9	4.7	3.4	3.4	3.4
82.5°	8.0	6.8	5.1	4.2	3.8	3.0	2.1	1.7	1.3	0.8	0.8
85°	2.5	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°	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1
2.5°	1270.9	1271.3	1270.9	1271.3	1270.9	1271.7	1271.7	1271.3	1271.3	1271.3	1270.9
5°	1261.9	1261.9	1261.4	1261.4	1261.4	1261.0	1259.7	1259.7	1258.9	1258.5	1257.6
7.5°	1252.0	1251.2	1249.9	1249.5	1248.2	1247.0	1244.4	1242.3	1240.6	1238.5	1236.4
10°	1240.2	1238.1	1235.4	1233.7	1232.9	1229.9	1226.1	1221.0	1217.5	1213.7	1209.5
12.5°	1224.8	1222.3	1217.5	1214.2	1212.0	1206.5	1200.9	1194.6	1187.8	1181.0	1176.7
15°	1204.9	1200.5	1194.6	1191.2	1187.4	1179.7	1170.0	1161.0	1154.2	1146.5	1136.3
17.5°	1181.4	1175.0	1166.9	1161.4	1156.7	1146.5	1135.1	1123.5	1113.3	1104.0	1093.7
20°	1149.0	1141.4	1131.6	1124.4	1119.7	1106.5	1094.1	1080.5	1068.2	1057.1	1045.2
22.5°	1111.1	1098.4	1088.6	1080.1	1075.0	1060.1	1046.4	1031.9	1018.8	1009.0	996.2
25°	1063.5	1051.2	1038.8	1031.9	1023.9	1008.1	994.1	979.2	966.9	954.5	942.6
27.5°	1012.8	998.3	984.8	976.6	969.4	954.1	940.0	926.4	912.3	898.7	888.1
30°	957.5	943.0	932.3	922.2	914.0	901.7	884.3	870.6	858.3	845.9	834.9
32.5°	895.7	883.9	871.1	866.0	860.0	845.0	831.4	818.3	805.9	793.5	782.1
35°	824.2	814.8	807.2	801.7	797.8	784.7	774.0	759.9	752.3	739.9	731.5
37.5°	751.0	746.3	741.2	734.4	728.8	721.2	714.9	703.3	694.3	685.5	676.0
40°	680.7	675.6	668.8	665.5	664.2	657.3	648.4	642.4	637.3	629.2	624.1
42.5°	612.2	609.6	602.9	601.2	599.5	593.4	589.2	584.1	580.7	574.7	572.2
45°	542.4	541.9	540.2	538.5	537.7	533.5	532.6	526.2	523.2	521.9	519.4
47.5°	480.7	479.4	476.8	479.4	475.5	475.1	475.1	473.8	472.6	469.2	468.7
50°	417.7	419.8	420.2	418.9	421.5	421.0	418.9	419.4	420.2	421.9	419.4
52.5°	359.7	361.4	364.5	363.2	365.3	367.4	366.6	370.0	368.7	370.4	373.8
55°	304.8	309.5	312.5	311.3	313.0	315.5	316.3	319.3	321.8	324.8	326.9
57.5°	257.5	258.8	263.1	264.4	264.8	266.9	271.2	275.8	278.9	281.0	283.1
60°	211.2	215.4	218.4	218.4	221.8	224.7	228.7	232.9	236.3	241.4	245.3
62.5°	172.0	172.8	177.2	177.6	180.1	185.2	188.2	194.6	198.8	204.3	209.4
65°	134.1	137.9	140.5	140.9	144.8	148.6	152.8	158.8	164.8	169.4	174.1
67.5°	100.5	102.6	106.0	108.9	109.9	115.4	121.7	127.3	132.4	136.6	142.6
70°	70.2	71.9	76.7	78.4	80.9	85.1	90.2	96.2	102.2	108.1	112.8
72.5°	43.0	46.9	49.8	52.4	54.5	59.7	65.2	70.2	75.3	80.5	86.4
75°	23.8	26.4	29.8	32.4	34.5	38.3	43.5	48.5	53.2	57.9	62.2
77.5°	10.7	13.2	16.2	17.9	19.6	23.0	26.9	31.1	34.9	38.3	42.2
80°	4.2	5.9	7.6	9.0	9.8	12.0	14.9	17.0	19.6	22.5	25.6
82.5°	1.7	2.1	3.0	3.8	4.2	5.5	6.8	8.0	10.3	11.5	13.2
85°	0.4	0.4	0.8	0.8	1.3	1.7	2.1	3.0	3.4	3.8	4.7
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: P844287

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1	1275.1
2.5°	1270.9	1270.4	1270.4	1270.4	1270.4	1270.0	1270.0	1270.0
5°	1258.1	1257.2	1256.8	1256.8	1255.5	1255.9	1255.9	1255.5
7.5°	1235.4	1234.6	1233.3	1234.2	1233.7	1232.5	1232.0	1231.6
10°	1206.1	1204.4	1204.0	1201.8	1200.5	1200.1	1200.1	1198.4
12.5°	1171.2	1166.5	1166.0	1163.9	1161.0	1159.3	1160.1	1157.6
15°	1132.4	1125.6	1122.3	1120.6	1117.1	1114.1	1111.6	1110.7
17.5°	1085.2	1077.5	1075.0	1073.3	1066.0	1065.6	1062.2	1060.9
20°	1035.8	1029.0	1025.2	1022.6	1017.0	1011.9	1011.5	1011.1
22.5°	987.7	976.6	973.2	969.4	963.4	959.2	956.6	954.5
25°	933.3	924.3	918.3	914.4	910.2	906.8	903.4	903.0
27.5°	878.7	870.2	866.4	862.9	857.4	853.6	850.2	851.9
30°	825.5	817.0	812.7	810.1	804.6	802.5	796.5	797.4
32.5°	772.7	765.1	762.0	756.9	751.9	749.3	747.1	745.4
35°	722.0	715.7	711.4	708.0	703.3	699.1	696.9	696.9
37.5°	670.5	664.2	662.0	659.4	655.2	649.3	647.1	648.9
40°	618.2	613.4	611.3	609.6	605.4	603.3	601.2	601.2
42.5°	568.4	563.7	563.3	561.5	558.1	556.8	555.2	553.9
45°	516.4	514.3	512.5	512.5	512.1	511.7	510.4	509.6
47.5°	466.6	467.1	466.2	465.8	466.2	464.9	466.6	465.4
50°	421.0	420.2	421.0	420.2	420.6	422.3	420.6	421.9
52.5°	372.5	376.3	376.7	375.0	376.7	378.0	379.0	381.1
55°	329.6	330.8	331.7	333.4	334.2	336.8	334.2	334.2
57.5°	287.8	289.9	290.7	292.0	295.5	294.1	296.3	298.0
60°	249.9	252.5	254.1	255.4	256.7	259.6	260.5	260.1
62.5°	212.9	216.7	217.1	220.5	221.4	223.5	225.2	223.5
65°	178.4	181.8	184.3	186.5	189.0	191.1	190.7	192.0
67.5°	146.9	151.1	153.3	154.1	157.5	158.3	160.5	161.8
70°	118.3	121.3	123.8	125.1	127.3	129.9	132.0	133.3
72.5°	90.2	95.0	97.5	98.4	101.7	103.4	104.3	105.6
75°	66.8	70.6	71.9	74.0	75.8	79.6	79.2	80.1
77.5°	46.4	49.0	51.5	51.5	54.5	55.3	57.4	57.9
80°	27.7	30.7	31.9	32.4	34.5	35.7	36.6	37.4
82.5°	14.5	16.6	16.6	17.5	19.1	19.1	19.6	20.4
85°	5.5	6.3	6.8	6.8	7.2	8.0	8.0	8.6
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)