

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: P844305

Luminaire Tested: **LD6C30DE010B35 EU6C30B35 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C30DE010B35 EU6C30B35 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

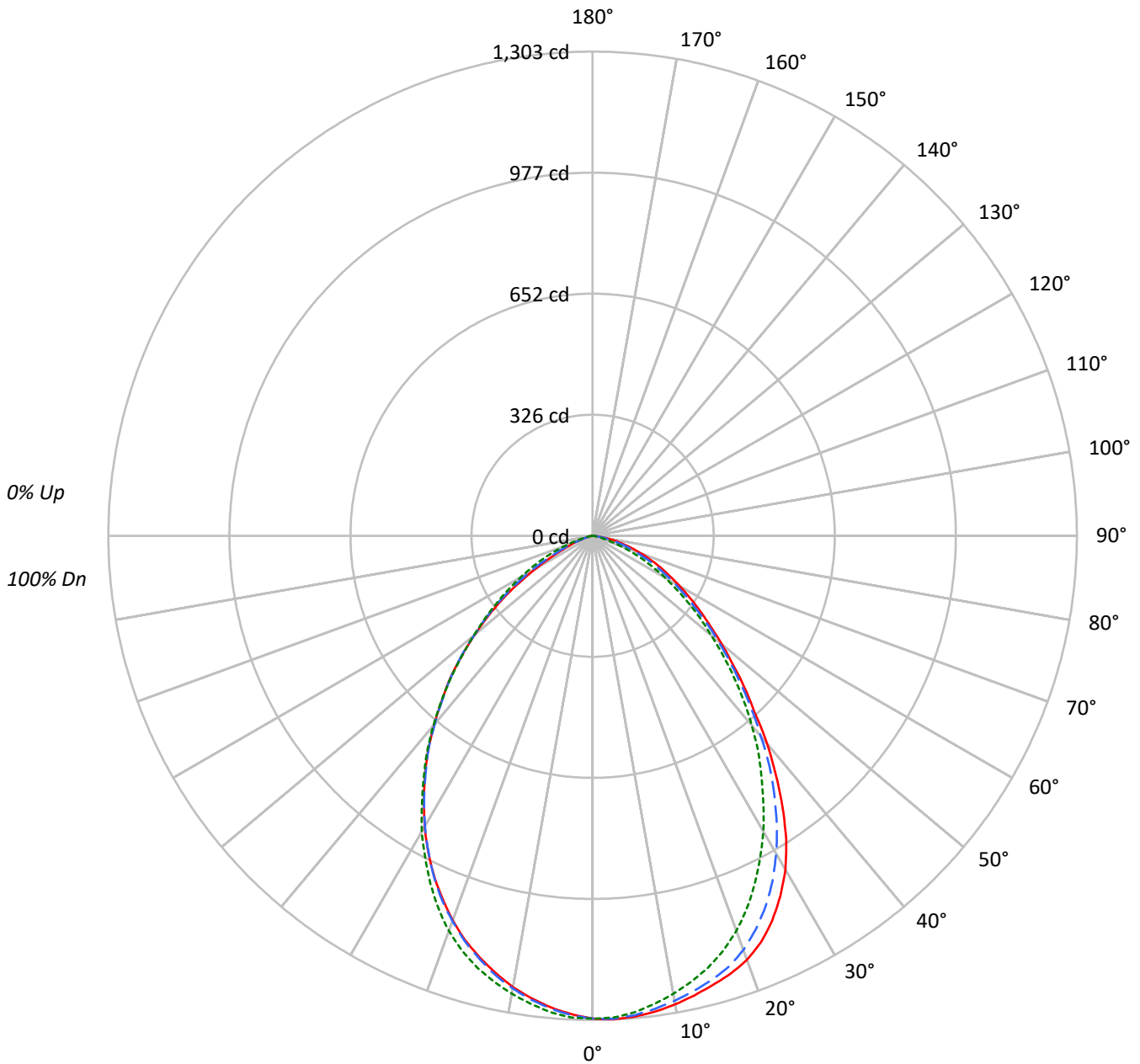
Lumens per Lamp: N/A
Luminaire Lumens: 2363.8 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	42	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°	71239	71239	71239
5°	71489	70845	70146
10°	71269	69688	68669
15°	71005	68247	66663
20°	70846	66004	64242
25°	69119	62465	61086
30°	65668	58180	57205
35°	59602	52970	52615
40°	52298	47668	47417
45°	44834	41655	41989
50°	38600	35504	35317
55°	33729	29973	28138
60°	29647	24570	19198
65°	25956	19042	11571
70°	22119	12823	6796
75°	17855	6651	3707
80°	12407	2589	2084
85°	4906	818	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	5.2
10°-20°	340.0	14.4
20°-30°	483.9	20.5
30°-40°	509.3	21.5
40°-50°	424.4	18.0
50°-60°	286.7	12.1
60°-70°	145.4	6.2
70°-80°	46.9	2.0
80°-90°	5.4	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°	945.7	40.0
0°-40°	1454.9	61.6
0°-60°	2166.1	91.6
0°-90°	2363.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2363.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1300	1300	1300	1300	1300	
5°	1299	1295	1287	1278	1275	123
15°	1251	1238	1202	1178	1175	353
25°	1143	1101	1033	1011	1010	524
35°	891	852	792	784	786	554
45°	578	564	537	540	542	448
55°	353	336	314	304	294	318
65°	200	180	147	106	89	199
75°	84	66	31	17	18	91
85°	8	4	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°	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5
2.5°	1302.6	1302.6	1302.6	1302.6	1302.6	1302.6	1302.2	1302.2	1301.3	1301.3	1300.9
5°	1299.1	1299.5	1299.5	1299.1	1299.1	1298.2	1298.2	1297.8	1296.4	1295.6	1295.2
7.5°	1291.7	1291.7	1291.3	1290.8	1290.3	1289.0	1288.6	1287.4	1286.4	1285.6	1283.9
10°	1280.3	1280.3	1279.8	1279.0	1278.6	1277.7	1277.7	1275.9	1274.2	1272.0	1270.7
12.5°	1266.7	1267.3	1266.3	1265.9	1264.6	1264.2	1263.2	1261.1	1259.7	1257.2	1255.0
15°	1251.1	1251.9	1251.9	1250.1	1248.9	1248.4	1247.2	1245.8	1242.7	1240.1	1237.5
17.5°	1235.7	1236.6	1235.7	1234.5	1233.1	1231.4	1230.6	1227.9	1224.0	1220.5	1216.5
20°	1214.4	1215.6	1214.0	1211.7	1209.1	1208.7	1207.4	1203.0	1197.3	1192.1	1186.3
22.5°	1184.2	1183.4	1182.0	1181.2	1176.8	1174.2	1172.4	1166.8	1160.6	1153.7	1146.7
25°	1142.7	1144.5	1141.8	1137.9	1135.7	1133.1	1128.7	1122.6	1117.0	1109.6	1101.2
27.5°	1093.8	1093.8	1090.3	1088.9	1084.2	1080.7	1078.5	1072.4	1064.9	1057.5	1048.3
30°	1037.4	1034.8	1034.8	1028.7	1024.7	1023.5	1021.3	1011.2	1004.6	996.8	987.6
32.5°	969.3	968.9	967.1	963.2	957.9	953.6	953.6	946.6	937.8	928.3	922.6
35°	890.6	891.2	890.2	885.9	885.9	880.6	879.7	873.6	866.6	859.2	852.2
37.5°	809.4	811.2	809.4	807.3	805.9	805.5	801.6	797.2	792.0	787.6	782.3
40°	730.8	728.2	729.0	724.7	725.1	724.3	722.5	716.9	713.8	709.4	703.7
42.5°	646.0	648.6	649.6	647.0	646.0	644.3	646.0	643.9	640.4	638.2	633.0
45°	578.3	575.8	577.0	576.2	576.6	573.1	571.8	570.9	569.6	565.7	563.5
47.5°	511.0	511.5	511.0	509.4	508.4	508.4	506.7	504.1	504.1	501.4	499.7
50°	452.6	452.6	453.4	451.2	450.3	448.6	449.1	446.4	444.6	442.5	441.1
52.5°	398.8	399.3	397.5	398.0	397.0	397.0	395.3	393.5	391.9	387.9	387.0
55°	352.9	353.4	351.2	352.1	349.4	348.2	347.2	344.7	344.7	340.8	335.9
57.5°	310.1	309.7	309.3	308.0	306.2	304.9	303.5	300.6	299.2	296.6	292.6
60°	270.4	269.9	269.1	268.6	267.4	264.3	264.3	262.1	257.7	255.1	251.2
62.5°	232.8	232.8	232.4	231.1	229.7	228.4	227.6	225.8	221.5	218.4	214.9
65°	200.1	199.6	198.3	196.1	195.2	195.2	192.2	190.9	187.4	184.3	180.4
67.5°	168.6	166.9	165.9	166.5	163.8	163.8	161.2	159.0	155.9	150.7	147.6
70°	138.0	137.2	136.3	135.4	135.0	133.3	131.9	129.3	126.3	122.3	117.5
72.5°	110.5	110.5	109.3	108.3	107.0	105.2	104.4	102.2	98.7	94.3	90.9
75°	84.3	84.3	84.3	82.6	81.6	80.8	78.2	76.9	73.0	70.3	66.0
77.5°	62.0	61.1	59.9	59.4	58.5	57.6	56.4	54.2	50.7	47.6	44.9
80°	39.3	40.6	39.3	39.3	37.1	36.3	35.9	33.2	31.9	29.3	27.1
82.5°	21.9	22.3	21.4	20.9	19.7	19.2	19.2	17.5	16.6	14.8	13.5
85°	7.8	8.2	7.8	7.8	7.0	7.4	7.0	6.6	5.7	4.8	4.3
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5
2.5°	1300.9	1299.9	1299.9	1299.5	1299.1	1299.1	1299.1	1298.7	1297.8	1297.8	1297.4
5°	1294.3	1293.4	1292.1	1291.3	1290.8	1290.3	1289.9	1289.5	1287.8	1287.4	1286.0
7.5°	1282.5	1281.6	1279.4	1278.6	1277.3	1276.8	1275.1	1274.2	1272.4	1270.7	1269.8
10°	1268.5	1266.3	1264.6	1262.4	1261.5	1260.2	1258.1	1255.4	1254.1	1251.9	1250.1
12.5°	1252.8	1250.1	1246.6	1244.1	1243.1	1241.0	1237.5	1235.3	1232.2	1228.8	1225.7
15°	1233.1	1230.0	1227.1	1222.2	1220.9	1218.3	1214.8	1210.5	1206.0	1202.5	1199.0
17.5°	1211.7	1207.0	1202.1	1196.9	1192.9	1191.6	1185.9	1179.9	1175.9	1169.8	1165.8
20°	1181.6	1175.0	1167.2	1161.9	1158.4	1154.5	1148.0	1141.4	1136.6	1131.4	1125.6
22.5°	1140.1	1134.0	1124.8	1117.0	1114.3	1108.6	1103.0	1096.9	1090.7	1085.0	1078.0
25°	1091.2	1084.6	1075.4	1067.6	1063.2	1060.6	1049.7	1043.6	1037.4	1032.7	1027.8
27.5°	1040.9	1029.2	1023.0	1010.8	1006.9	1006.0	996.0	989.4	982.9	976.3	970.2
30°	978.9	969.7	960.5	951.9	946.6	943.5	936.1	927.8	923.4	919.1	912.9
32.5°	914.7	906.4	895.1	886.7	882.8	878.5	871.9	866.2	859.6	854.9	853.5
35°	846.1	836.9	827.3	821.3	820.3	815.1	808.6	803.7	798.9	791.5	790.2
37.5°	772.7	767.5	761.0	752.2	748.3	748.3	741.7	738.2	732.1	731.7	728.2
40°	700.7	698.5	688.4	685.8	684.9	678.8	677.1	671.0	666.6	666.1	660.9
42.5°	629.5	623.8	622.0	617.7	613.7	612.9	608.9	606.3	604.5	601.9	599.4
45°	558.6	557.4	553.0	550.0	548.6	546.9	545.6	540.3	539.5	537.3	536.0
47.5°	497.5	494.0	490.1	486.6	486.2	483.6	480.5	480.5	475.7	475.3	474.3
50°	436.8	434.2	432.0	427.2	428.1	424.6	424.1	420.2	418.1	416.3	418.5
52.5°	383.5	378.3	377.4	373.5	372.2	372.6	367.8	366.5	365.6	363.8	363.0
55°	332.8	330.2	326.7	324.2	321.9	319.7	318.0	318.0	313.2	313.6	311.5
57.5°	288.3	286.1	281.8	277.8	277.0	274.4	272.1	269.9	269.5	266.4	264.3
60°	248.5	244.6	238.9	237.2	234.6	232.4	230.2	227.6	226.2	224.1	220.2
62.5°	211.4	204.9	202.6	199.2	196.1	194.8	191.3	188.3	186.0	183.1	180.0
65°	176.0	171.2	167.3	163.4	163.0	159.5	156.4	153.8	149.4	146.8	141.1
67.5°	143.7	139.4	135.0	131.0	128.0	127.1	122.3	119.3	116.2	110.9	106.2
70°	114.0	109.7	106.2	101.3	100.1	96.6	93.1	90.0	84.7	80.0	76.0
72.5°	86.9	82.1	78.2	74.7	72.6	69.5	66.0	62.5	57.2	52.5	49.0
75°	62.0	58.5	54.6	51.1	49.4	47.6	43.7	39.8	36.3	31.4	28.3
77.5°	41.9	38.4	34.9	31.9	29.7	28.3	25.8	22.7	19.7	17.0	14.8
80°	24.4	22.3	19.7	17.0	16.6	15.3	13.1	11.3	9.6	8.2	6.6
82.5°	11.8	10.5	8.8	7.4	6.6	6.1	5.3	4.3	3.5	3.1	3.1
85°	3.5	3.1	2.6	2.2	1.8	1.8	1.3	1.3	1.3	1.3	1.3
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5
2.5°	1296.0	1295.6	1295.2	1294.8	1293.8	1293.8	1292.5	1291.7	1291.7	1290.8	1290.3
5°	1284.7	1283.3	1282.9	1282.1	1281.2	1280.8	1279.0	1278.6	1277.7	1276.8	1276.8
7.5°	1268.5	1266.7	1265.0	1264.2	1263.8	1262.4	1261.5	1261.1	1259.7	1258.9	1257.2
10°	1247.2	1245.8	1243.7	1242.7	1241.9	1241.0	1238.8	1237.5	1237.1	1236.2	1235.3
12.5°	1222.2	1220.5	1218.3	1216.5	1215.6	1214.4	1212.2	1210.9	1210.9	1209.1	1209.1
15°	1195.5	1192.9	1189.0	1187.3	1186.9	1184.2	1182.4	1180.7	1178.5	1177.7	1177.7
17.5°	1161.5	1157.2	1153.7	1153.7	1151.9	1149.2	1146.7	1145.3	1144.0	1142.2	1141.4
20°	1121.3	1118.2	1114.3	1114.3	1110.4	1109.6	1106.9	1106.5	1103.4	1103.9	1102.5
22.5°	1072.9	1071.1	1068.8	1067.2	1064.9	1062.4	1061.0	1061.4	1060.2	1059.7	1059.3
25°	1023.9	1019.1	1016.5	1015.6	1014.7	1012.6	1011.6	1011.2	1011.2	1009.9	1010.4
27.5°	967.5	964.0	960.5	961.9	960.1	958.9	957.9	956.6	957.5	957.1	957.5
30°	909.9	905.5	903.3	904.2	903.7	900.3	902.1	901.6	902.1	902.1	902.9
32.5°	849.2	846.1	845.7	846.1	842.2	842.6	840.9	843.5	843.9	846.5	844.4
35°	787.6	785.8	782.8	782.3	782.8	782.3	782.3	784.1	783.6	786.2	785.4
37.5°	724.3	723.4	720.4	721.2	719.4	722.5	723.4	722.5	725.5	724.7	724.3
40°	662.2	660.9	659.1	662.6	660.5	658.7	661.8	659.1	660.1	662.6	662.6
42.5°	599.4	597.1	597.1	597.1	596.7	596.7	598.0	599.4	598.4	598.8	602.3
45°	536.0	535.6	534.2	535.1	534.6	536.9	536.9	537.7	539.5	541.2	540.3
47.5°	474.8	473.9	475.3	474.3	474.8	473.5	474.3	477.0	479.2	476.1	479.2
50°	417.6	415.9	415.4	416.7	416.3	415.9	416.7	416.7	415.9	415.9	418.9
52.5°	363.0	361.3	359.9	362.1	360.9	361.3	359.5	359.5	360.3	359.5	358.2
55°	311.9	310.6	308.8	309.7	307.6	307.0	305.3	305.3	304.1	303.1	300.6
57.5°	262.9	262.1	258.2	257.7	258.2	255.1	252.0	250.8	247.3	246.3	245.9
60°	219.7	214.9	212.7	210.2	208.4	207.1	203.6	201.4	196.1	193.1	192.6
62.5°	174.7	172.5	170.0	165.9	165.1	160.8	157.3	151.6	148.9	145.0	141.1
65°	138.4	132.8	128.8	126.7	123.2	119.3	115.3	109.3	106.2	101.3	97.4
67.5°	101.3	96.6	91.3	89.6	86.5	81.6	77.7	72.6	69.9	65.6	64.2
70°	69.5	65.0	61.1	58.5	56.4	51.5	47.6	45.9	43.3	42.4	42.4
72.5°	44.5	40.6	36.3	34.9	33.2	30.6	27.9	27.1	27.9	27.5	27.5
75°	24.9	22.7	19.7	18.3	18.3	17.5	17.0	17.0	17.0	17.0	17.0
77.5°	12.7	11.3	10.5	10.0	10.0	10.0	10.5	10.5	10.5	10.9	10.5
80°	6.1	5.7	5.7	5.7	6.1	6.1	6.1	6.1	6.1	6.6	6.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.5	3.5	3.5	3.5	3.5
85°	1.3	1.3	1.3	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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: P844305

CATALOG NUMBER: LD6C30DE010B35 EU6C30B35 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5	1299.5
2.5°	1289.9	1289.0	1289.0	1288.6	1288.6	1288.6	1288.6	1289.0
5°	1275.9	1275.5	1275.5	1274.7	1274.7	1274.7	1274.7	1274.7
7.5°	1257.2	1256.3	1256.7	1255.8	1255.8	1256.3	1255.8	1255.4
10°	1234.0	1233.6	1234.0	1234.0	1233.1	1232.7	1233.1	1233.6
12.5°	1207.8	1207.4	1206.4	1207.0	1207.0	1206.4	1206.0	1205.2
15°	1177.3	1176.8	1176.3	1175.9	1175.5	1175.9	1175.5	1174.6
17.5°	1141.4	1141.4	1141.0	1140.6	1140.1	1139.2	1139.7	1141.0
20°	1103.0	1102.5	1101.6	1102.1	1100.4	1099.5	1099.9	1101.2
22.5°	1058.8	1057.5	1058.4	1057.1	1057.1	1057.5	1057.1	1056.3
25°	1010.8	1009.1	1009.9	1010.4	1010.4	1009.9	1009.5	1009.9
27.5°	957.5	958.9	958.9	957.9	959.3	957.5	958.4	958.9
30°	902.9	901.6	901.1	902.9	905.5	903.3	903.3	903.7
32.5°	846.5	844.8	844.8	845.7	845.3	845.3	847.0	844.8
35°	786.2	787.2	783.6	785.8	786.7	785.8	786.2	786.2
37.5°	725.5	724.7	724.7	724.7	726.0	726.0	726.9	726.4
40°	665.7	664.0	663.6	664.4	662.6	664.0	664.0	662.6
42.5°	601.1	601.5	603.7	601.5	601.9	601.5	600.6	600.2
45°	541.2	542.6	541.6	541.2	541.6	539.9	540.3	541.6
47.5°	477.8	480.5	477.8	479.6	479.2	478.4	477.4	475.7
50°	418.5	419.4	418.9	418.5	418.1	417.6	415.4	414.1
52.5°	357.8	357.8	357.8	357.8	353.4	355.6	354.7	352.1
55°	298.4	299.6	297.9	297.9	294.9	294.9	294.0	294.4
57.5°	241.1	239.8	238.5	238.5	235.4	234.2	232.8	231.1
60°	187.8	186.6	184.8	182.5	179.5	179.5	178.6	175.1
62.5°	137.6	135.4	134.1	132.3	129.8	128.0	126.7	127.6
65°	94.3	92.1	90.4	90.4	90.4	89.6	89.2	89.2
67.5°	62.0	63.4	62.5	63.4	63.4	62.5	62.0	62.9
70°	42.8	42.8	42.4	42.4	42.4	42.4	41.9	42.4
72.5°	27.5	27.5	27.5	27.9	27.5	27.5	27.9	27.9
75°	17.5	17.5	17.5	17.9	17.5	17.5	17.9	17.5
77.5°	10.5	10.9	10.9	10.9	10.9	10.5	10.9	10.9
80°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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)