

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: P844270

Luminaire Tested: **LD6C30DE010B2750 EU6C30B27 6LBDWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844270
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 EU6C30B27 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

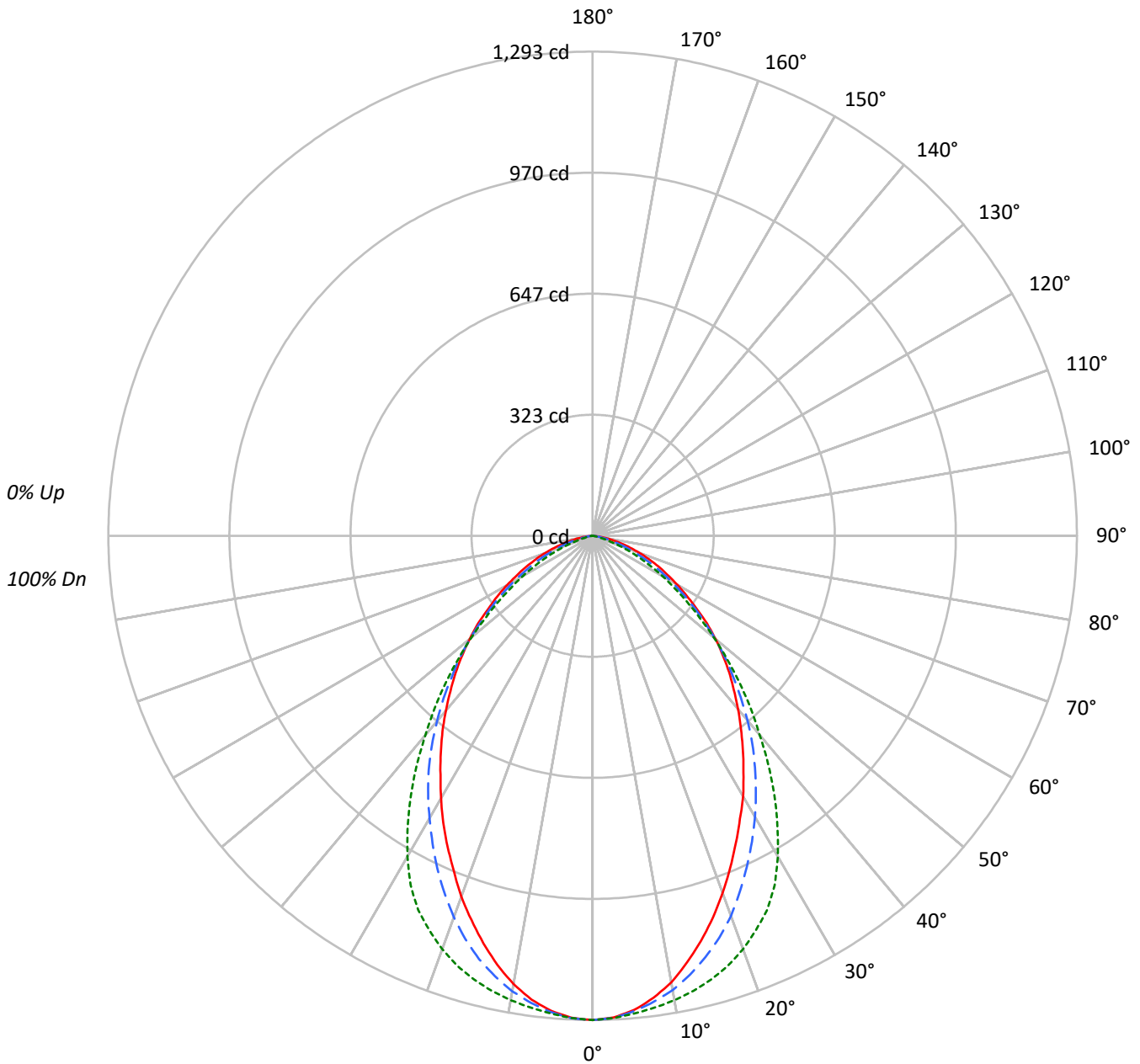
Lumens per Lamp: N/A
Luminaire Lumens: 2315.2 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	70904	70904	70904
5°	69965	70465	70080
10°	67406	70094	67667
15°	63530	69603	63945
20°	59202	68524	59832
25°	54747	66687	55400
30°	50850	62598	51204
35°	46793	56617	47308
40°	43231	49664	43632
45°	39942	42927	40082
50°	36528	35982	36493
55°	32276	29390	32400
60°	28506	23573	28934
65°	25087	17538	25256
70°	21109	10995	21670
75°	16733	4660	17199
80°	11176	1105	11996
85°	4592	252	5472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	5.2
10°-20°	328.8	14.2
20°-30°	454.0	19.6
30°-40°	477.6	20.6
40°-50°	411.3	17.8
50°-60°	292.8	12.6
60°-70°	165.1	7.1
70°-80°	58.5	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°	903.3	39.0
0°-40°	1380.9	59.6
0°-60°	2085.0	90.1
0°-90°	2315.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2315.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1293	1293	1293	1293	1293	
5°	1271	1274	1280	1277	1274	119
15°	1119	1165	1226	1171	1127	314
25°	905	975	1102	981	916	417
35°	699	755	846	763	707	438
45°	515	530	554	531	517	397
55°	338	326	308	326	339	304
65°	193	166	135	167	195	191
75°	79	53	22	54	81	85
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°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4
2.5°	1287.8	1288.2	1288.2	1288.6	1288.2	1288.2	1288.6	1288.6	1288.2	1288.6	1288.6
5°	1271.4	1271.0	1271.4	1271.8	1273.1	1273.1	1272.7	1272.7	1273.9	1273.5	1274.3
7.5°	1244.6	1244.6	1245.9	1246.7	1246.7	1247.2	1248.0	1249.8	1251.5	1251.9	1255.0
10°	1210.9	1211.3	1210.9	1212.6	1214.0	1216.1	1215.6	1218.7	1221.7	1226.0	1231.6
12.5°	1166.5	1167.7	1170.3	1170.3	1174.2	1176.3	1175.9	1182.9	1188.5	1193.6	1200.5
15°	1119.4	1118.9	1121.1	1124.6	1128.4	1131.5	1132.7	1141.8	1147.4	1156.1	1164.7
17.5°	1068.8	1067.6	1071.0	1073.2	1079.6	1083.5	1086.1	1093.9	1102.9	1113.3	1125.0
20°	1014.8	1017.0	1017.9	1020.9	1029.5	1032.6	1036.9	1045.5	1054.6	1066.6	1080.1
22.5°	959.6	962.6	964.4	968.2	975.1	977.7	982.0	994.5	1004.4	1015.2	1027.8
25°	905.1	908.6	911.7	916.3	921.1	925.0	930.6	939.3	950.5	960.4	974.7
27.5°	852.0	855.1	855.9	861.5	867.2	872.3	875.4	885.8	895.2	907.3	921.1
30°	803.3	801.5	803.7	808.5	814.9	818.4	823.6	830.5	840.8	852.5	866.7
32.5°	749.7	749.7	753.1	758.7	763.9	766.6	768.3	777.8	788.1	799.4	811.0
35°	699.2	700.9	704.0	707.3	713.0	715.2	719.0	726.0	734.1	746.7	755.3
37.5°	650.3	651.6	654.7	658.2	662.5	666.7	668.5	675.8	681.9	692.2	700.5
40°	604.1	604.5	608.0	609.3	613.2	614.9	618.4	622.3	630.9	635.2	643.0
42.5°	557.5	559.7	561.0	564.0	564.5	567.8	569.6	570.9	577.8	580.4	584.8
45°	515.2	515.2	516.4	516.4	518.7	517.4	519.9	522.6	523.0	527.3	529.9
47.5°	471.2	469.8	471.6	471.2	470.8	470.8	471.6	472.0	473.3	476.4	477.6
50°	428.3	425.4	425.4	425.0	424.5	425.8	425.8	425.4	425.4	426.6	425.4
52.5°	384.8	383.9	381.8	380.0	379.2	379.2	379.2	377.5	377.5	376.6	373.6
55°	337.7	339.0	338.1	337.3	336.9	335.6	335.6	333.4	330.0	328.2	326.5
57.5°	297.1	298.9	298.9	297.1	295.0	294.1	291.9	290.6	287.6	284.6	281.1
60°	260.0	262.1	259.1	257.9	257.4	256.1	255.2	250.4	247.5	244.4	240.5
62.5°	224.5	225.4	223.3	222.0	220.6	219.4	218.9	215.0	209.8	206.0	201.3
65°	193.4	192.2	191.3	189.1	187.0	185.3	185.3	180.1	175.4	170.6	165.8
67.5°	161.1	161.9	160.7	159.0	155.5	153.8	151.1	147.6	143.4	138.7	133.1
70°	131.7	131.3	130.0	128.3	126.1	123.1	120.9	119.2	113.2	107.6	102.8
72.5°	104.9	104.5	103.2	101.0	98.0	96.8	95.0	90.6	86.0	81.2	76.0
75°	79.0	79.4	77.3	76.5	73.0	71.7	71.3	66.1	62.2	57.9	53.1
77.5°	56.6	56.6	54.4	52.7	51.0	50.1	48.3	45.4	42.3	38.0	34.2
80°	35.4	35.4	35.4	33.6	31.9	31.1	29.8	27.6	24.6	22.0	19.5
82.5°	19.0	19.0	18.1	17.7	16.8	16.0	15.5	14.7	12.5	11.2	9.5
85°	7.3	7.3	6.9	6.9	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°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4
2.5°	1289.0	1289.0	1288.6	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.5
5°	1275.3	1276.6	1277.0	1277.4	1278.3	1278.7	1279.1	1279.5	1279.9	1280.5	1280.5
7.5°	1257.5	1260.6	1262.7	1264.9	1265.8	1266.6	1267.9	1269.6	1271.0	1271.0	1270.5
10°	1236.4	1240.3	1244.6	1248.4	1249.8	1251.9	1254.0	1256.7	1258.8	1259.2	1259.2
12.5°	1208.8	1213.1	1220.8	1227.3	1229.9	1232.9	1237.2	1241.1	1243.2	1244.6	1244.2
15°	1174.2	1183.3	1194.1	1201.4	1204.9	1210.0	1216.9	1221.2	1224.7	1226.4	1225.6
17.5°	1136.6	1148.3	1159.9	1169.8	1174.6	1179.8	1189.3	1197.0	1202.2	1203.6	1202.7
20°	1093.9	1106.8	1119.4	1131.9	1138.3	1144.4	1154.3	1164.2	1172.9	1174.6	1173.3
22.5°	1042.9	1057.6	1072.8	1086.9	1094.3	1099.9	1114.2	1125.4	1135.4	1139.6	1136.6
25°	990.3	1005.8	1021.8	1034.3	1042.5	1052.0	1064.9	1077.9	1090.0	1102.5	1091.3
27.5°	934.1	948.4	965.2	982.4	990.3	997.1	1010.6	1027.0	1039.4	1052.0	1039.4
30°	877.9	896.1	911.2	926.3	934.9	943.2	956.5	970.0	982.0	988.9	981.2
32.5°	825.3	838.6	853.7	868.4	874.5	881.0	892.2	904.7	916.3	918.6	913.4
35°	770.0	781.6	794.2	803.7	811.0	817.9	827.8	835.6	838.6	846.0	840.8
37.5°	707.3	717.7	728.9	735.9	742.4	748.0	755.3	762.2	764.8	770.4	766.6
40°	648.2	656.8	663.3	670.6	674.1	679.7	682.7	688.4	691.4	694.0	694.4
42.5°	591.2	596.0	600.7	605.9	607.2	608.5	615.9	619.7	622.7	624.4	621.9
45°	532.9	537.7	539.4	543.3	545.4	546.3	549.3	549.8	550.6	553.7	552.3
47.5°	479.7	480.2	481.5	483.2	484.1	484.1	485.9	484.1	484.9	485.3	486.3
50°	424.1	427.1	424.1	425.8	426.2	425.8	424.5	423.7	422.3	421.9	421.5
52.5°	371.4	371.9	370.1	368.8	367.5	368.0	364.5	362.8	363.2	360.5	363.6
55°	323.4	321.7	317.8	316.5	313.5	313.1	312.6	310.5	307.0	307.5	308.3
57.5°	277.2	274.2	270.3	268.2	267.3	263.9	263.5	260.0	257.9	257.4	257.4
60°	235.3	232.8	228.9	225.0	222.0	220.2	218.1	214.6	215.4	215.0	212.9
62.5°	195.7	192.6	187.0	182.7	181.0	179.7	176.6	174.1	172.7	174.1	172.7
65°	160.2	155.5	149.0	144.7	144.3	142.5	139.1	137.3	136.0	135.2	136.4
67.5°	127.4	120.9	117.1	111.4	108.8	108.0	103.2	100.6	101.0	100.6	101.0
70°	97.2	90.6	85.5	81.2	77.7	76.5	73.8	70.4	69.9	68.6	70.4
72.5°	70.4	64.7	60.1	55.3	52.2	50.6	47.1	43.6	42.7	41.9	41.9
75°	48.3	43.6	38.4	34.2	31.9	30.2	26.8	24.2	22.0	22.0	22.0
77.5°	30.2	26.3	22.4	19.5	18.1	16.4	13.4	10.8	9.9	8.7	9.1
80°	17.2	14.3	12.1	9.9	8.7	7.7	6.0	4.8	3.5	3.5	3.5
82.5°	8.2	6.9	5.2	4.3	3.9	3.1	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°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4
2.5°	1289.0	1289.5	1289.0	1289.5	1289.0	1289.9	1289.9	1289.5	1289.5	1289.5	1289.0
5°	1279.9	1279.9	1279.5	1279.5	1279.5	1279.1	1277.8	1277.8	1277.0	1276.6	1275.7
7.5°	1270.1	1269.2	1267.9	1267.5	1266.2	1264.9	1262.3	1260.2	1258.4	1256.3	1254.0
10°	1257.9	1255.8	1253.2	1251.5	1250.7	1247.6	1243.7	1238.5	1235.1	1231.2	1226.9
12.5°	1242.4	1239.9	1235.1	1231.6	1229.5	1223.9	1218.3	1211.7	1204.9	1198.0	1193.6
15°	1222.1	1217.8	1211.7	1208.3	1204.4	1196.6	1186.7	1177.7	1170.7	1163.0	1152.6
17.5°	1198.4	1191.8	1183.7	1178.1	1173.3	1163.0	1151.3	1139.6	1129.2	1119.8	1109.5
20°	1165.5	1157.8	1147.8	1140.6	1135.8	1122.4	1109.9	1096.0	1083.5	1072.2	1060.2
22.5°	1127.1	1114.2	1104.3	1095.6	1090.4	1075.3	1061.4	1046.8	1033.4	1023.5	1010.6
25°	1078.8	1066.2	1053.7	1046.8	1038.6	1022.6	1008.3	993.2	980.7	968.2	956.1
27.5°	1027.4	1012.7	998.8	990.7	983.3	967.7	953.6	939.7	925.4	911.7	900.8
30°	971.2	956.5	945.7	935.4	927.2	914.6	897.0	883.1	870.6	858.1	846.8
32.5°	908.6	896.6	883.5	878.4	872.3	857.2	843.4	830.0	817.4	805.0	793.3
35°	836.1	826.5	818.8	813.2	809.3	795.9	785.1	770.8	763.1	750.6	741.9
37.5°	761.8	757.1	751.9	744.9	739.3	731.6	725.1	713.4	704.4	695.3	685.8
40°	690.5	685.3	678.5	675.0	673.7	666.7	657.7	651.6	646.4	638.3	633.1
42.5°	621.0	618.4	611.5	609.7	608.0	602.0	597.7	592.5	589.0	583.0	580.4
45°	550.2	549.8	548.1	546.3	545.4	541.1	540.2	533.8	530.7	529.5	526.8
47.5°	487.6	486.3	483.7	486.3	482.4	482.0	482.0	480.7	479.3	475.9	475.5
50°	423.7	425.8	426.2	425.0	427.5	427.1	425.0	425.4	426.2	427.9	425.4
52.5°	364.9	366.7	369.6	368.4	370.5	372.7	371.9	375.2	374.0	375.7	379.2
55°	309.3	313.9	317.0	315.7	317.4	320.0	320.9	323.8	326.5	329.5	331.7
57.5°	261.2	262.6	266.8	268.2	268.6	270.8	275.1	279.8	282.8	285.0	287.1
60°	214.2	218.5	221.6	221.6	225.0	228.0	231.9	236.2	239.7	244.8	248.8
62.5°	174.5	175.4	179.7	180.1	182.7	187.8	190.9	197.4	201.7	207.3	212.5
65°	136.0	139.9	142.5	143.0	146.8	150.7	155.0	161.1	167.1	171.9	176.6
67.5°	102.0	104.1	107.6	110.5	111.4	117.1	123.5	129.1	134.3	138.7	144.7
70°	71.3	73.0	77.7	79.4	82.1	86.4	91.6	97.6	103.6	109.7	114.4
72.5°	43.6	47.5	50.6	53.1	55.3	60.5	66.1	71.3	76.5	81.6	87.7
75°	24.2	26.8	30.2	32.8	35.0	38.8	44.0	49.2	53.9	58.7	63.0
77.5°	10.8	13.4	16.4	18.1	19.9	23.3	27.2	31.5	35.4	38.8	42.7
80°	4.3	6.0	7.7	9.1	9.9	12.1	15.1	17.2	19.9	22.8	25.9
82.5°	1.7	2.1	3.1	3.9	4.3	5.6	6.9	8.2	10.4	11.6	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: P844270

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B27 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4
2.5°	1289.0	1288.6	1288.6	1288.6	1288.6	1288.2	1288.2	1288.2
5°	1276.1	1275.3	1274.8	1274.8	1273.5	1273.9	1273.9	1273.5
7.5°	1253.2	1252.3	1251.1	1251.9	1251.5	1250.2	1249.8	1249.4
10°	1223.5	1221.7	1221.2	1219.1	1217.8	1217.3	1217.3	1215.6
12.5°	1188.0	1183.3	1182.9	1180.6	1177.7	1175.9	1176.8	1174.2
15°	1148.7	1141.8	1138.3	1136.6	1133.1	1130.2	1127.5	1126.7
17.5°	1100.8	1093.0	1090.4	1088.7	1081.3	1080.9	1077.4	1076.1
20°	1050.7	1043.8	1039.9	1037.3	1031.7	1026.5	1026.1	1025.6
22.5°	1001.9	990.7	987.2	983.3	977.3	972.9	970.4	968.2
25°	946.6	937.6	931.5	927.7	923.3	919.8	916.3	915.9
27.5°	891.4	882.7	878.8	875.4	869.7	865.9	862.4	864.1
30°	837.3	828.8	824.4	821.8	816.2	814.1	808.0	808.9
32.5°	783.8	776.0	773.0	767.8	762.7	760.0	757.9	756.2
35°	732.4	726.0	721.6	718.1	713.4	709.1	706.9	706.9
37.5°	680.2	673.7	671.5	669.0	664.6	658.6	656.4	658.2
40°	627.1	622.3	620.1	618.4	614.1	611.9	609.7	609.7
42.5°	576.5	571.8	571.3	569.6	566.2	564.9	563.1	561.8
45°	523.8	521.6	519.9	519.9	519.5	519.1	517.8	517.0
47.5°	473.3	473.7	472.9	472.4	472.9	471.6	473.3	472.0
50°	427.1	426.2	427.1	426.2	426.6	428.3	426.6	427.9
52.5°	377.9	381.8	382.2	380.4	382.2	383.5	384.3	386.5
55°	334.2	335.6	336.4	338.1	339.0	341.6	339.0	339.0
57.5°	291.9	294.1	295.0	296.2	299.7	298.4	300.6	302.3
60°	253.5	256.1	257.9	259.1	260.4	263.5	264.3	263.9
62.5°	216.0	219.8	220.2	223.7	224.5	226.8	228.4	226.8
65°	181.0	184.5	187.0	189.1	191.7	193.9	193.4	194.7
67.5°	149.0	153.4	155.5	156.3	159.8	160.7	162.8	164.1
70°	120.0	123.1	125.6	126.9	129.1	131.7	133.9	135.2
72.5°	91.6	96.4	98.9	99.7	103.2	104.9	105.8	107.1
75°	67.8	71.7	73.0	75.1	76.9	80.8	80.3	81.2
77.5°	47.1	49.7	52.2	52.2	55.3	56.2	58.3	58.7
80°	28.0	31.1	32.4	32.8	35.0	36.3	37.1	38.0
82.5°	14.7	16.8	16.8	17.7	19.5	19.5	19.9	20.7
85°	5.6	6.5	6.9	6.9	7.3	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)