

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: P844254

Luminaire Tested: **LD6C25DE010B50 EU6C25B50 6LBLWWH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844254  
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: LD6C25DE010B50 EU6C25B50 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

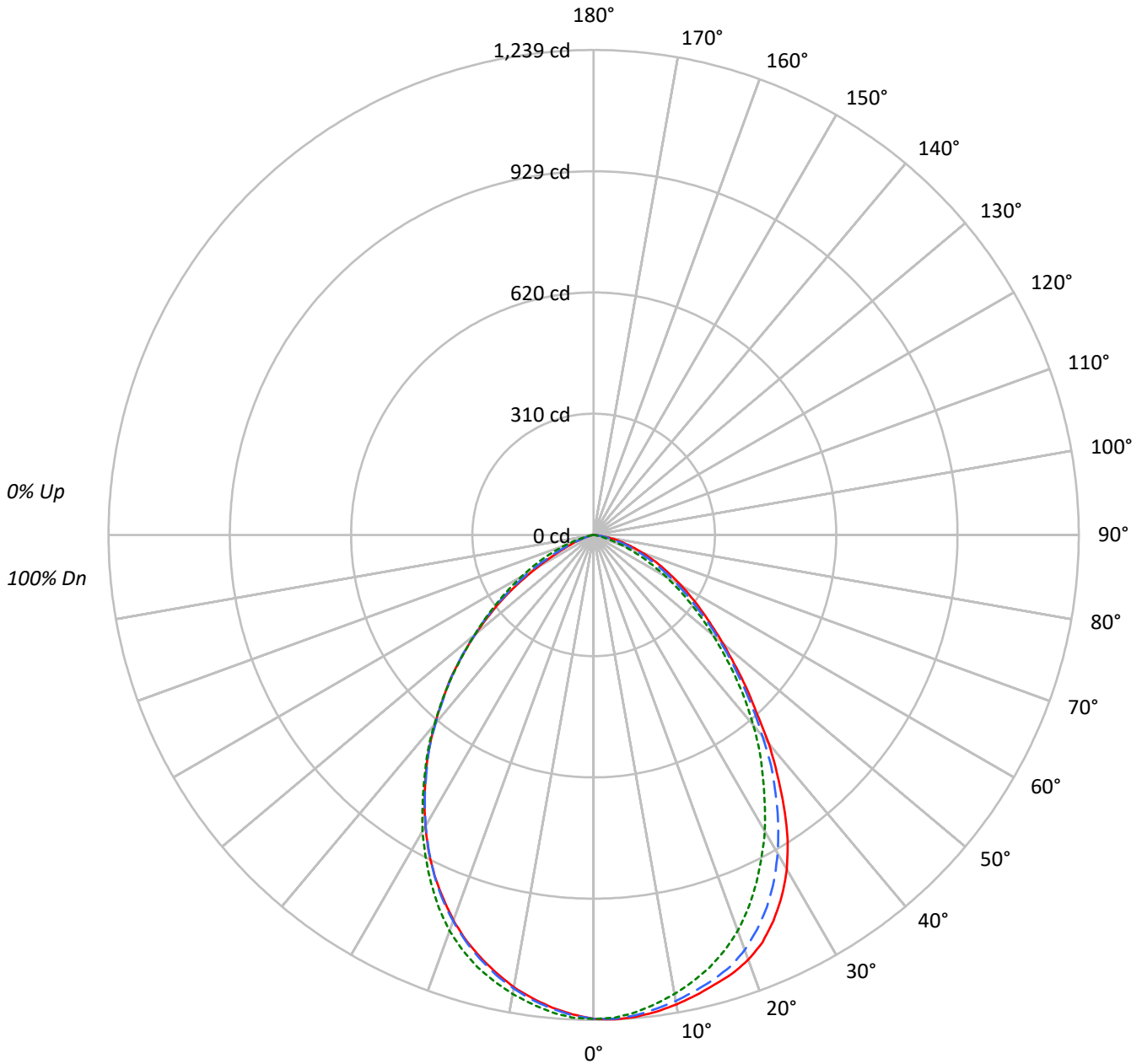
Lumens per Lamp: N/A  
Luminaire Lumens: 2248.5 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.8  
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					20					
RC	80					70					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°	67769	67769	67769
5°	68000	67384	66723
10°	67795	66292	65318
15°	67537	64921	63411
20°	67387	62778	61109
25°	65750	59411	58104
30°	62472	55338	54426
35°	56704	50386	50058
40°	49750	45342	45106
45°	42656	39617	39950
50°	36715	33773	33594
55°	32085	28520	26771
60°	28199	23364	18266
65°	24685	18108	10987
70°	21045	12182	6459
75°	16987	6333	3516
80°	11807	2494	1957
85°	4717	818	1069



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.8	5.2
10°-20°	323.4	14.4
20°-30°	460.3	20.5
30°-40°	484.4	21.5
40°-50°	403.7	18.0
50°-60°	272.8	12.1
60°-70°	138.3	6.2
70°-80°	44.6	2.0
80°-90°	5.1	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°	899.5	40.0
0°-40°	1384.0	61.6
0°-60°	2060.5	91.6
0°-90°	2248.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2248.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1236	1236	1236	1236	1236	
5°	1236	1232	1224	1215	1212	117
15°	1190	1177	1144	1121	1117	336
25°	1087	1048	982	962	961	498
35°	847	811	753	745	748	527
45°	550	536	511	513	515	426
55°	336	320	298	289	280	302
65°	190	172	140	101	85	189
75°	80	63	30	16	17	87
85°	8	4	1	2	2	13
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°	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2
2.5°	1239.0	1239.0	1239.0	1239.0	1239.0	1239.0	1238.7	1238.7	1237.9	1237.9	1237.4
5°	1235.7	1236.2	1236.2	1235.7	1235.7	1234.9	1234.9	1234.5	1233.2	1232.5	1232.0
7.5°	1228.7	1228.7	1228.2	1227.8	1227.4	1226.2	1225.8	1224.5	1223.7	1222.8	1221.2
10°	1217.9	1217.9	1217.4	1216.6	1216.2	1215.4	1215.4	1213.7	1212.0	1209.9	1208.8
12.5°	1205.0	1205.4	1204.5	1204.1	1203.0	1202.5	1201.7	1199.6	1198.3	1195.9	1193.8
15°	1190.0	1190.9	1190.9	1189.2	1187.9	1187.5	1186.3	1185.1	1182.1	1179.7	1177.1
17.5°	1175.5	1176.3	1175.5	1174.3	1173.0	1171.3	1170.5	1168.1	1164.2	1161.0	1157.2
20°	1155.1	1156.4	1154.7	1152.6	1150.2	1149.8	1148.5	1144.4	1139.0	1133.9	1128.5
22.5°	1126.5	1125.6	1124.4	1123.5	1119.4	1116.9	1115.3	1109.9	1104.1	1097.4	1090.7
25°	1087.0	1088.6	1086.2	1082.4	1080.4	1077.8	1073.7	1067.9	1062.5	1055.4	1047.5
27.5°	1040.5	1040.5	1037.1	1035.8	1031.3	1028.0	1025.9	1020.1	1013.0	1005.9	997.2
30°	986.9	984.3	984.3	978.5	974.8	973.6	971.4	961.9	955.7	948.2	939.5
32.5°	922.0	921.6	919.9	916.2	911.3	907.0	907.0	900.5	892.1	883.0	877.5
35°	847.3	847.7	846.8	842.6	842.6	837.6	836.8	831.0	824.4	817.3	810.7
37.5°	770.0	771.6	770.0	767.8	766.6	766.3	762.4	758.3	753.4	749.1	744.2
40°	695.2	692.6	693.5	689.4	689.8	688.9	687.3	681.9	679.0	674.8	669.4
42.5°	614.6	617.0	617.9	615.3	614.6	612.9	614.6	612.5	609.2	607.1	602.1
45°	550.2	547.6	548.9	548.1	548.5	545.1	543.9	543.1	541.8	538.1	536.0
47.5°	486.2	486.6	486.2	484.5	483.7	483.7	482.0	479.5	479.5	477.0	475.3
50°	430.5	430.5	431.3	429.2	428.4	426.8	427.2	424.6	422.9	420.9	419.7
52.5°	379.4	379.8	378.1	378.5	377.7	377.7	376.0	374.4	372.7	369.0	368.2
55°	335.7	336.1	334.1	335.0	332.4	331.1	330.3	327.9	327.9	324.1	319.5
57.5°	295.0	294.6	294.2	293.0	291.3	290.0	288.7	285.9	284.6	282.2	278.4
60°	257.2	256.8	255.9	255.5	254.3	251.4	251.4	249.3	245.2	242.6	238.9
62.5°	221.5	221.5	221.0	219.8	218.6	217.3	216.5	214.8	210.7	207.7	204.4
65°	190.3	189.8	188.7	186.6	185.7	185.7	182.9	181.6	178.2	175.4	171.7
67.5°	160.3	158.8	157.9	158.3	155.8	155.8	153.4	151.2	148.4	143.3	140.5
70°	131.3	130.5	129.7	128.8	128.4	126.7	125.4	123.0	120.0	116.3	111.8
72.5°	105.1	105.1	103.9	103.0	101.9	100.2	99.3	97.2	93.9	89.8	86.4
75°	80.2	80.2	80.2	78.6	77.7	76.9	74.4	73.1	69.4	66.9	62.7
77.5°	59.0	58.2	56.9	56.5	55.6	54.9	53.6	51.5	48.2	45.3	42.8
80°	37.4	38.6	37.4	37.4	35.3	34.5	34.1	31.6	30.4	27.8	25.8
82.5°	20.7	21.2	20.4	20.0	18.7	18.3	18.3	16.6	15.8	14.2	12.9
85°	7.5	7.9	7.5	7.5	6.7	7.1	6.7	6.2	5.4	4.5	4.1
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°	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2
2.5°	1237.4	1236.6	1236.6	1236.2	1235.7	1235.7	1235.7	1235.3	1234.5	1234.5	1234.0
5°	1231.2	1230.3	1229.1	1228.2	1227.8	1227.4	1227.1	1226.6	1225.0	1224.5	1223.3
7.5°	1220.0	1219.1	1217.0	1216.2	1215.0	1214.6	1212.9	1212.0	1210.4	1208.8	1207.9
10°	1206.7	1204.5	1203.0	1200.8	1200.0	1198.7	1196.7	1194.2	1192.9	1190.9	1189.2
12.5°	1191.7	1189.2	1185.9	1183.4	1182.5	1180.4	1177.1	1175.0	1172.2	1168.8	1165.9
15°	1173.0	1170.1	1167.2	1162.7	1161.4	1158.8	1155.6	1151.3	1147.2	1143.9	1140.6
17.5°	1152.6	1148.1	1143.5	1138.5	1134.7	1133.6	1128.1	1122.3	1118.6	1112.7	1109.0
20°	1123.9	1117.7	1110.3	1105.2	1101.9	1098.2	1092.0	1085.8	1081.2	1076.1	1070.7
22.5°	1084.5	1078.7	1069.9	1062.5	1060.0	1054.6	1049.2	1043.4	1037.5	1032.1	1025.5
25°	1038.0	1031.7	1023.0	1015.5	1011.4	1008.9	998.5	992.7	986.9	982.2	977.7
27.5°	990.2	978.9	973.1	961.5	957.8	956.9	947.3	941.2	934.9	928.7	922.9
30°	931.1	922.5	913.7	905.4	900.5	897.5	890.4	882.6	878.4	874.2	868.4
32.5°	870.1	862.2	851.4	843.5	839.8	835.6	829.4	824.0	817.8	813.2	811.9
35°	804.9	796.1	787.0	781.2	780.3	775.4	769.1	764.6	760.0	752.9	751.7
37.5°	735.1	730.1	723.8	715.5	711.8	711.8	705.5	702.3	696.5	696.0	692.6
40°	666.5	664.4	654.9	652.3	651.5	645.7	644.1	638.3	634.1	633.6	628.7
42.5°	598.7	593.3	591.6	587.5	583.8	583.0	579.3	576.7	575.0	572.6	570.1
45°	531.5	530.2	526.1	523.1	521.8	520.3	519.0	514.0	513.2	511.0	509.9
47.5°	473.3	469.9	466.2	462.9	462.5	460.0	457.1	457.1	452.5	452.0	451.3
50°	415.5	413.0	411.0	406.3	407.2	403.9	403.5	399.7	397.7	396.0	398.1
52.5°	364.8	359.8	359.0	355.3	354.0	354.4	349.9	348.6	347.7	346.2	345.3
55°	316.7	314.1	310.8	308.3	306.2	304.2	302.5	302.5	297.9	298.4	296.2
57.5°	274.2	272.1	268.0	264.3	263.5	260.9	258.9	256.8	256.4	253.5	251.4
60°	236.4	232.7	227.3	225.6	223.2	221.0	218.9	216.5	215.2	213.1	209.4
62.5°	201.2	194.9	192.8	189.4	186.6	185.3	182.0	179.1	177.0	174.1	171.2
65°	167.4	162.9	159.2	155.4	154.9	151.7	148.7	146.3	142.1	139.6	134.2
67.5°	136.8	132.5	128.4	124.7	121.7	120.9	116.3	113.5	110.5	105.6	101.0
70°	108.4	104.3	101.0	96.4	95.2	91.8	88.5	85.6	80.6	76.0	72.3
72.5°	82.7	78.2	74.4	71.1	69.0	66.1	62.7	59.4	54.5	49.8	46.5
75°	59.0	55.6	51.9	48.7	47.0	45.3	41.6	37.9	34.5	29.9	27.0
77.5°	39.9	36.6	33.2	30.4	28.2	27.0	24.5	21.6	18.7	16.2	14.2
80°	23.3	21.2	18.7	16.2	15.8	14.6	12.5	10.8	9.1	7.9	6.2
82.5°	11.2	9.9	8.4	7.1	6.2	5.8	5.0	4.1	3.3	3.0	3.0
85°	3.3	3.0	2.5	2.1	1.7	1.7	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°	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2
2.5°	1232.9	1232.5	1232.0	1231.6	1230.8	1230.8	1229.5	1228.7	1228.7	1227.8	1227.4
5°	1222.0	1220.8	1220.4	1219.6	1218.7	1218.3	1216.6	1216.2	1215.4	1214.6	1214.6
7.5°	1206.7	1205.0	1203.4	1202.5	1202.1	1200.8	1200.0	1199.6	1198.3	1197.6	1195.9
10°	1186.3	1185.1	1183.0	1182.1	1181.3	1180.4	1178.4	1177.1	1176.7	1175.9	1175.0
12.5°	1162.7	1161.0	1158.8	1157.2	1156.4	1155.1	1153.0	1151.8	1151.8	1150.2	1150.2
15°	1137.3	1134.7	1131.0	1129.3	1128.9	1126.5	1124.8	1123.1	1121.1	1120.2	1120.2
17.5°	1104.8	1100.7	1097.4	1097.4	1095.7	1093.2	1090.7	1089.5	1088.2	1086.6	1085.8
20°	1066.6	1063.8	1060.0	1060.0	1056.3	1055.4	1052.9	1052.5	1049.6	1050.0	1048.7
22.5°	1020.5	1018.8	1016.8	1015.1	1013.0	1010.6	1009.3	1009.7	1008.5	1008.0	1007.6
25°	974.0	969.4	966.9	966.0	965.2	963.2	962.3	961.9	961.9	960.6	961.1
27.5°	920.4	917.1	913.7	915.0	913.3	912.1	911.3	910.0	910.8	910.4	910.8
30°	865.6	861.3	859.3	860.1	859.8	856.4	858.1	857.6	858.1	858.1	858.9
32.5°	807.7	804.9	804.4	804.9	801.2	801.6	799.9	802.3	802.7	805.3	803.2
35°	749.1	747.5	744.6	744.2	744.6	744.2	744.2	745.8	745.4	748.0	747.1
37.5°	688.9	688.1	685.1	686.0	684.4	687.3	688.1	687.3	690.2	689.4	688.9
40°	629.9	628.7	627.0	630.3	628.2	626.6	629.5	627.0	627.8	630.3	630.3
42.5°	570.1	568.1	568.1	568.1	567.6	567.6	568.8	570.1	569.2	569.6	573.0
45°	509.9	509.5	508.2	509.0	508.6	510.6	510.6	511.5	513.2	514.9	514.0
47.5°	451.7	450.9	452.0	451.3	451.7	450.4	451.3	453.7	455.8	452.9	455.8
50°	397.2	395.6	395.1	396.4	396.0	395.6	396.4	396.4	395.6	395.6	398.5
52.5°	345.3	343.6	342.4	344.5	343.2	343.6	341.9	341.9	342.8	341.9	340.8
55°	296.7	295.4	293.8	294.6	292.5	292.1	290.4	290.4	289.2	288.4	285.9
57.5°	250.1	249.3	245.6	245.2	245.6	242.6	239.8	238.5	235.2	234.4	233.9
60°	209.0	204.4	202.3	199.9	198.2	196.9	193.7	191.5	186.6	183.6	183.3
62.5°	166.2	164.1	161.6	157.9	157.1	152.9	149.5	144.2	141.7	137.9	134.2
65°	131.7	126.3	122.6	120.5	117.2	113.5	109.7	103.9	101.0	96.4	92.6
67.5°	96.4	91.8	86.8	85.1	82.3	77.7	73.9	69.0	66.5	62.3	61.1
70°	66.1	61.9	58.2	55.6	53.6	49.1	45.3	43.7	41.1	40.3	40.3
72.5°	42.4	38.6	34.5	33.2	31.6	29.1	26.5	25.8	26.5	26.2	26.2
75°	23.7	21.6	18.7	17.5	17.5	16.6	16.2	16.2	16.2	16.2	16.2
77.5°	12.1	10.8	9.9	9.5	9.5	9.5	9.9	9.9	9.9	10.4	9.9
80°	5.8	5.4	5.4	5.4	5.8	5.8	5.8	5.8	5.8	6.2	5.8
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.3	3.3	3.3	3.3	3.3
85°	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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: P844254

CATALOG NUMBER: LD6C25DE010B50 EU6C25B50 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2	1236.2
2.5°	1227.1	1226.2	1226.2	1225.8	1225.8	1225.8	1225.8	1226.2
5°	1213.7	1213.3	1213.3	1212.5	1212.5	1212.5	1212.5	1212.5
7.5°	1195.9	1195.0	1195.4	1194.6	1194.6	1195.0	1194.6	1194.2
10°	1173.9	1173.4	1173.9	1173.9	1173.0	1172.6	1173.0	1173.4
12.5°	1148.9	1148.5	1147.6	1148.1	1148.1	1147.6	1147.2	1146.4
15°	1119.8	1119.4	1119.0	1118.6	1118.1	1118.6	1118.1	1117.3
17.5°	1085.8	1085.8	1085.3	1084.9	1084.5	1083.7	1084.1	1085.3
20°	1049.2	1048.7	1047.9	1048.3	1046.6	1045.9	1046.3	1047.5
22.5°	1007.2	1005.9	1006.8	1005.6	1005.6	1005.9	1005.6	1004.8
25°	961.5	959.8	960.6	961.1	961.1	960.6	960.2	960.6
27.5°	910.8	912.1	912.1	911.3	912.4	910.8	911.7	912.1
30°	858.9	857.6	857.2	858.9	861.3	859.3	859.3	859.8
32.5°	805.3	803.6	803.6	804.4	804.0	804.0	805.7	803.6
35°	748.0	748.8	745.4	747.5	748.4	747.5	748.0	748.0
37.5°	690.2	689.4	689.4	689.4	690.6	690.6	691.4	691.0
40°	633.2	631.6	631.2	632.0	630.3	631.6	631.6	630.3
42.5°	571.8	572.2	574.2	572.2	572.6	572.2	571.3	570.9
45°	514.9	516.0	515.3	514.9	515.3	513.6	514.0	515.3
47.5°	454.6	457.1	454.6	456.3	455.8	455.0	454.1	452.5
50°	398.1	398.9	398.5	398.1	397.7	397.2	395.1	393.9
52.5°	340.3	340.3	340.3	340.3	336.1	338.2	337.4	335.0
55°	283.8	285.0	283.3	283.3	280.5	280.5	279.6	280.1
57.5°	229.4	228.1	226.9	226.9	224.0	222.7	221.5	219.8
60°	178.6	177.5	175.8	173.7	170.8	170.8	170.0	166.6
62.5°	130.9	128.8	127.6	125.9	123.4	121.7	120.5	121.3
65°	89.8	87.7	86.0	86.0	86.0	85.1	84.7	84.7
67.5°	59.0	60.3	59.4	60.3	60.3	59.4	59.0	59.9
70°	40.7	40.7	40.3	40.3	40.3	40.3	39.9	40.3
72.5°	26.2	26.2	26.2	26.5	26.2	26.2	26.5	26.5
75°	16.6	16.6	16.6	17.0	16.6	16.6	17.0	16.6
77.5°	9.9	10.4	10.4	10.4	10.4	9.9	10.4	10.4
80°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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)