

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: P844186

Luminaire Tested: **LD6C25DE010B2750 EU6C25B27 6LBLWWH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844186
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: LD6C25DE010B2750 EU6C25B27 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

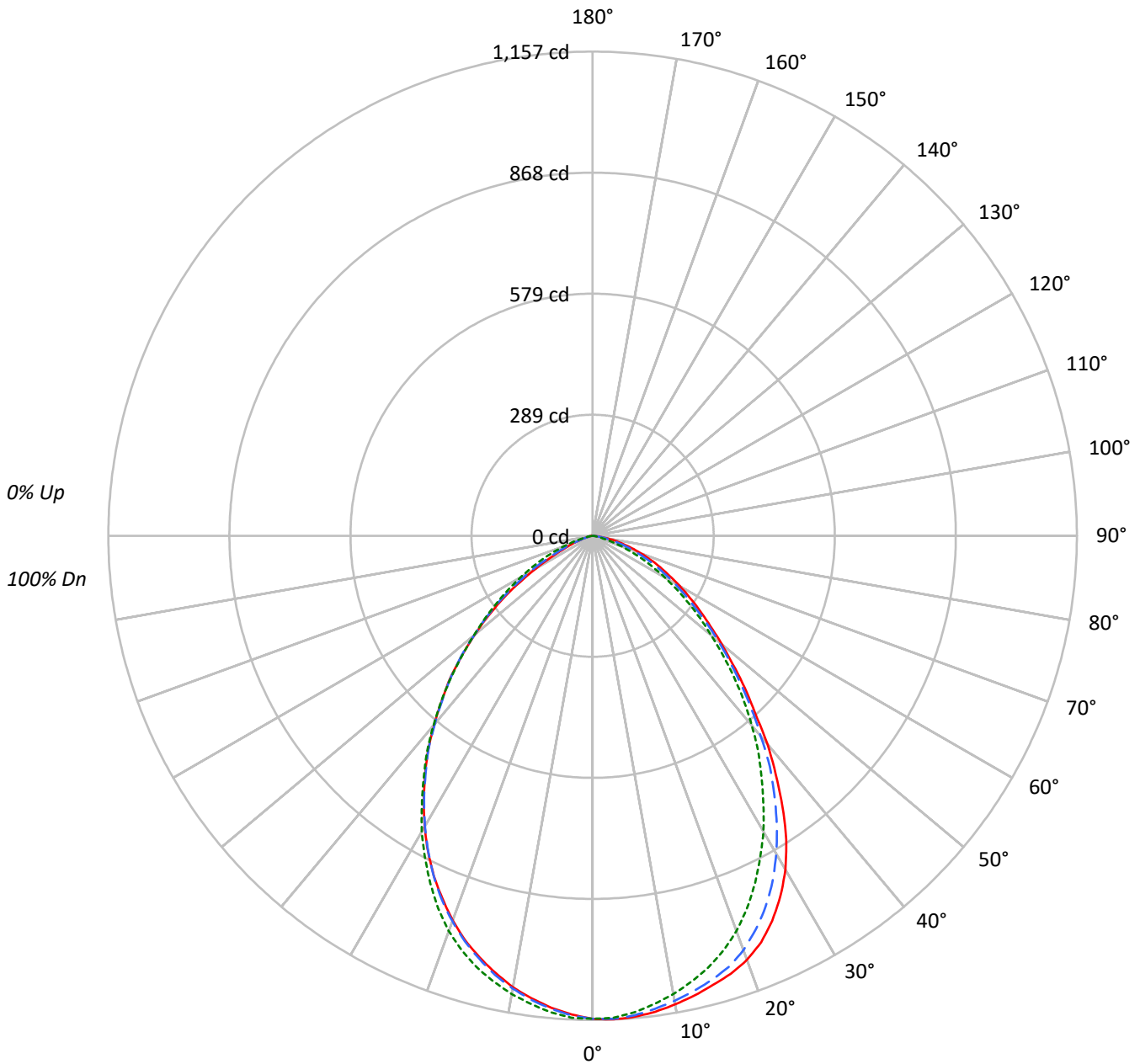
Lumens per Lamp: N/A
Luminaire Lumens: 2099.4 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P844186

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P844186

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLWWH

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			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68			68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54			54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48			48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43			43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39			39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	63273	63273	63273
5°	63493	62915	62299
10°	63298	61895	60988
15°	63059	60613	59206
20°	62918	58624	57055
25°	61389	55479	54257
30°	58325	51673	50805
35°	52936	47047	46739
40°	46451	42336	42122
45°	39826	36996	37298
50°	34276	31530	31359
55°	29963	26627	24984
60°	26336	21818	17060
65°	23050	16915	10261
70°	19651	11380	6043
75°	15864	5909	3283
80°	11018	2336	1831
85°	4403	755	1006



TEST NUMBER: P844186

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	5.2
10°-20°	302.0	14.4
20°-30°	429.7	20.5
30°-40°	452.3	21.5
40°-50°	377.0	18.0
50°-60°	254.7	12.1
60°-70°	129.1	6.2
70°-80°	41.7	2.0
80°-90°	4.8	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°	839.9	40.0
0°-40°	1292.2	61.6
0°-60°	1923.8	91.6
0°-90°	2099.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2099.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1154	1154	1154	1154	1154	
5°	1154	1150	1143	1135	1132	110
15°	1111	1099	1068	1047	1043	314
25°	1015	978	917	898	897	465
35°	791	757	703	696	698	492
45°	514	500	477	479	481	398
55°	314	298	279	270	261	282
65°	178	160	130	94	79	177
75°	75	59	28	15	16	81
85°	7	4	1	2	2	12
90°	0	0	0	0	0	



TEST NUMBER: P844186

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2
2.5°	1156.8	1156.8	1156.8	1156.8	1156.8	1156.8	1156.5	1156.5	1155.7	1155.7	1155.4
5°	1153.8	1154.2	1154.2	1153.8	1153.8	1153.0	1153.0	1152.6	1151.4	1150.7	1150.3
7.5°	1147.2	1147.2	1146.8	1146.4	1146.1	1144.9	1144.5	1143.3	1142.6	1141.7	1140.2
10°	1137.1	1137.1	1136.7	1135.9	1135.6	1134.7	1134.7	1133.3	1131.7	1129.8	1128.6
12.5°	1125.1	1125.4	1124.7	1124.3	1123.1	1122.8	1121.9	1120.0	1118.9	1116.5	1114.6
15°	1111.1	1111.9	1111.9	1110.3	1109.1	1108.8	1107.7	1106.5	1103.7	1101.4	1099.1
17.5°	1097.5	1098.4	1097.5	1096.3	1095.2	1093.7	1092.9	1090.5	1087.0	1084.0	1080.5
20°	1078.5	1079.6	1078.2	1076.1	1073.8	1073.5	1072.3	1068.4	1063.3	1058.7	1053.7
22.5°	1051.7	1051.0	1049.8	1049.1	1045.2	1042.8	1041.2	1036.3	1030.8	1024.6	1018.4
25°	1014.9	1016.5	1014.2	1010.7	1008.7	1006.3	1002.5	997.0	992.0	985.4	978.0
27.5°	971.4	971.4	968.4	967.2	962.9	959.8	957.9	952.4	945.8	939.3	931.1
30°	921.4	919.1	919.1	913.7	910.2	909.0	907.0	898.1	892.3	885.3	877.2
32.5°	860.9	860.5	858.9	855.4	850.8	847.0	847.0	840.7	833.0	824.4	819.3
35°	791.0	791.4	790.7	786.8	786.8	782.1	781.4	775.9	769.7	763.1	756.9
37.5°	718.9	720.5	718.9	717.0	715.8	715.4	711.9	708.0	703.3	699.5	694.9
40°	649.1	646.7	647.5	643.6	644.0	643.3	641.7	636.6	633.9	630.0	625.0
42.5°	573.8	576.1	576.9	574.6	573.8	572.3	573.8	571.9	568.8	566.8	562.1
45°	513.7	511.4	512.5	511.7	512.1	509.0	507.9	507.0	505.9	502.4	500.5
47.5°	453.9	454.3	453.9	452.3	451.6	451.6	450.0	447.7	447.7	445.4	443.8
50°	401.9	401.9	402.7	400.7	400.0	398.4	398.8	396.5	394.9	393.0	391.9
52.5°	354.2	354.6	353.0	353.5	352.6	352.6	351.1	349.5	348.0	344.5	343.7
55°	313.5	313.9	311.9	312.7	310.4	309.3	308.4	306.1	306.1	302.6	298.4
57.5°	275.4	275.1	274.7	273.5	271.9	270.8	269.6	266.9	265.8	263.5	260.0
60°	240.2	239.8	239.0	238.6	237.4	234.7	234.7	232.8	228.9	226.5	223.1
62.5°	206.8	206.8	206.3	205.2	204.0	202.9	202.1	200.5	196.7	194.0	190.9
65°	177.7	177.3	176.1	174.2	173.5	173.5	170.7	169.5	166.5	163.7	160.2
67.5°	149.8	148.2	147.4	147.9	145.5	145.5	143.2	141.2	138.6	133.9	131.1
70°	122.6	121.8	121.0	120.3	119.8	118.3	117.2	114.9	112.1	108.6	104.4
72.5°	98.1	98.1	97.0	96.2	95.1	93.5	92.8	90.7	87.7	83.8	80.7
75°	74.9	74.9	74.9	73.3	72.6	71.8	69.5	68.3	64.8	62.5	58.6
77.5°	55.1	54.4	53.2	52.8	52.0	51.2	50.0	48.1	45.1	42.3	40.0
80°	34.9	36.1	34.9	34.9	33.0	32.2	31.8	29.5	28.3	26.0	24.0
82.5°	19.4	19.8	19.0	18.6	17.5	17.0	17.0	15.5	14.7	13.2	12.1
85°	7.0	7.4	7.0	7.0	6.2	6.6	6.2	5.8	5.1	4.2	3.9
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: P844186

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2
2.5°	1155.4	1154.5	1154.5	1154.2	1153.8	1153.8	1153.8	1153.3	1152.6	1152.6	1152.2
5°	1149.5	1148.7	1147.5	1146.8	1146.4	1146.1	1145.6	1145.2	1143.7	1143.3	1142.1
7.5°	1139.1	1138.2	1136.3	1135.6	1134.4	1134.0	1132.4	1131.7	1130.1	1128.6	1127.8
10°	1126.6	1124.7	1123.1	1121.2	1120.5	1119.3	1117.3	1115.0	1113.8	1111.9	1110.3
12.5°	1112.6	1110.3	1107.2	1104.9	1104.2	1102.2	1099.1	1097.2	1094.4	1091.4	1088.6
15°	1095.2	1092.5	1089.8	1085.6	1084.4	1082.1	1078.9	1075.0	1071.2	1068.0	1064.9
17.5°	1076.1	1071.9	1067.7	1063.0	1059.5	1058.4	1053.3	1047.9	1044.4	1038.9	1035.4
20°	1049.4	1043.6	1036.6	1031.9	1028.9	1025.4	1019.6	1013.7	1009.5	1004.9	999.8
22.5°	1012.6	1007.2	999.0	992.0	989.6	984.7	979.6	974.2	968.7	963.7	957.5
25°	969.1	963.3	955.1	948.2	944.3	941.9	932.3	926.8	921.4	917.2	912.8
27.5°	924.5	914.0	908.6	897.7	894.2	893.5	884.5	878.7	872.9	867.0	861.7
30°	869.4	861.2	853.1	845.4	840.7	838.0	831.4	824.0	820.1	816.3	810.8
32.5°	812.4	805.0	794.9	787.5	784.0	780.2	774.4	769.3	763.5	759.3	758.1
35°	751.4	743.3	734.7	729.3	728.6	724.0	718.1	713.8	709.6	703.0	701.8
37.5°	686.3	681.6	675.8	668.1	664.6	664.6	658.8	655.6	650.2	649.8	646.7
40°	622.3	620.3	611.4	609.1	608.4	602.9	601.4	595.9	592.1	591.6	587.0
42.5°	559.1	554.0	552.4	548.6	545.1	544.3	540.8	538.4	537.0	534.6	532.3
45°	496.2	495.1	491.2	488.4	487.3	485.8	484.6	480.0	479.1	477.2	476.0
47.5°	441.9	438.8	435.3	432.1	431.8	429.5	426.8	426.8	422.5	422.1	421.4
50°	387.9	385.6	383.7	379.4	380.2	377.0	376.7	373.2	371.2	369.7	371.7
52.5°	340.7	336.0	335.2	331.7	330.5	330.9	326.7	325.5	324.7	323.2	322.4
55°	295.6	293.3	290.2	287.9	285.9	284.0	282.4	282.4	278.2	278.6	276.6
57.5°	256.1	254.1	250.2	246.7	246.0	243.7	241.7	239.8	239.3	236.7	234.7
60°	220.7	217.2	212.2	210.7	208.4	206.3	204.4	202.1	201.0	199.0	195.6
62.5°	187.7	181.9	180.0	176.9	174.2	173.0	170.0	167.2	165.3	162.6	159.8
65°	156.3	152.1	148.6	145.1	144.7	141.6	138.9	136.5	132.7	130.4	125.3
67.5°	127.7	123.7	119.8	116.3	113.7	112.8	108.6	105.9	103.2	98.6	94.2
70°	101.2	97.4	94.2	90.0	88.8	85.8	82.6	80.0	75.3	71.0	67.5
72.5°	77.2	73.0	69.5	66.3	64.4	61.7	58.6	55.5	50.9	46.5	43.5
75°	55.1	52.0	48.5	45.4	43.9	42.3	38.8	35.3	32.2	27.9	25.2
77.5°	37.2	34.2	31.0	28.3	26.3	25.2	22.8	20.2	17.5	15.1	13.2
80°	21.7	19.8	17.5	15.1	14.7	13.5	11.6	10.0	8.6	7.4	5.8
82.5°	10.5	9.3	7.7	6.6	5.8	5.4	4.7	3.9	3.1	2.7	2.7
85°	3.1	2.7	2.3	1.9	1.6	1.6	1.2	1.2	1.2	1.2	1.2
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: P844186

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2
2.5°	1151.0	1150.7	1150.3	1149.9	1149.1	1149.1	1148.0	1147.2	1147.2	1146.4	1146.1
5°	1141.0	1139.8	1139.4	1138.6	1137.9	1137.5	1135.9	1135.6	1134.7	1134.0	1134.0
7.5°	1126.6	1125.1	1123.5	1122.8	1122.4	1121.2	1120.5	1120.0	1118.9	1118.1	1116.5
10°	1107.7	1106.5	1104.5	1103.7	1103.0	1102.2	1100.3	1099.1	1098.7	1097.9	1097.2
12.5°	1085.6	1084.0	1082.1	1080.5	1079.6	1078.5	1076.6	1075.4	1075.4	1073.8	1073.8
15°	1061.9	1059.5	1056.0	1054.5	1054.0	1051.7	1050.2	1048.6	1046.7	1045.9	1045.9
17.5°	1031.6	1027.7	1024.6	1024.6	1023.0	1020.7	1018.4	1017.2	1016.1	1014.5	1013.7
20°	995.9	993.1	989.6	989.6	986.1	985.4	983.1	982.6	980.0	980.3	979.2
22.5°	952.8	951.2	949.3	947.7	945.8	943.5	942.4	942.8	941.6	941.2	940.8
25°	909.4	905.1	902.8	902.0	901.2	899.3	898.5	898.1	898.1	897.0	897.3
27.5°	859.3	856.3	853.1	854.3	852.8	851.6	850.8	849.6	850.4	850.0	850.4
30°	808.1	804.2	802.3	803.1	802.6	799.6	801.2	800.7	801.2	801.2	801.9
32.5°	754.2	751.4	751.1	751.4	748.0	748.4	746.8	749.1	749.5	751.9	750.0
35°	699.5	697.9	695.2	694.9	695.2	694.9	694.9	696.3	696.0	698.4	697.5
37.5°	643.3	642.4	639.8	640.5	638.9	641.7	642.4	641.7	644.4	643.6	643.3
40°	588.2	587.0	585.4	588.6	586.6	585.1	587.7	585.4	586.2	588.6	588.6
42.5°	532.3	530.3	530.3	530.3	530.0	530.0	531.1	532.3	531.5	531.9	535.0
45°	476.0	475.6	474.5	475.2	474.9	476.8	476.8	477.6	479.1	480.7	480.0
47.5°	421.7	420.9	422.1	421.4	421.7	420.5	421.4	423.7	425.6	422.8	425.6
50°	370.9	369.3	368.9	370.1	369.7	369.3	370.1	370.1	369.3	369.3	372.1
52.5°	322.4	320.9	319.7	321.6	320.5	320.9	319.3	319.3	320.0	319.3	318.1
55°	277.0	275.8	274.2	275.1	273.1	272.8	271.2	271.2	270.0	269.3	266.9
57.5°	233.5	232.8	229.3	228.9	229.3	226.5	223.9	222.7	219.6	218.8	218.4
60°	195.1	190.9	188.9	186.6	185.1	183.9	180.7	178.8	174.2	171.4	171.1
62.5°	155.2	153.3	150.9	147.4	146.7	142.8	139.7	134.6	132.3	128.8	125.3
65°	123.0	117.9	114.4	112.5	109.4	105.9	102.4	97.0	94.2	90.0	86.5
67.5°	90.0	85.8	81.1	79.5	76.8	72.6	69.1	64.4	62.1	58.2	57.0
70°	61.7	57.9	54.4	52.0	50.0	45.8	42.3	40.7	38.4	37.7	37.7
72.5°	39.6	36.1	32.2	31.0	29.5	27.2	24.9	24.0	24.9	24.4	24.4
75°	22.1	20.2	17.5	16.3	16.3	15.5	15.1	15.1	15.1	15.1	15.1
77.5°	11.2	10.0	9.3	8.9	8.9	8.9	9.3	9.3	9.3	9.7	9.3
80°	5.4	5.1	5.1	5.1	5.4	5.4	5.4	5.4	5.4	5.8	5.4
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.1	3.1
85°	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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: P844186

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2	1154.2
2.5°	1145.6	1144.9	1144.9	1144.5	1144.5	1144.5	1144.5	1144.9
5°	1133.3	1132.8	1132.8	1132.1	1132.1	1132.1	1132.1	1132.1
7.5°	1116.5	1115.8	1116.1	1115.4	1115.4	1115.8	1115.4	1115.0
10°	1096.0	1095.6	1096.0	1096.0	1095.2	1094.9	1095.2	1095.6
12.5°	1072.7	1072.3	1071.5	1071.9	1071.9	1071.5	1071.2	1070.3
15°	1045.6	1045.2	1044.7	1044.4	1044.0	1044.4	1044.0	1043.2
17.5°	1013.7	1013.7	1013.3	1013.0	1012.6	1011.8	1012.2	1013.3
20°	979.6	979.2	978.4	978.8	977.3	976.5	976.8	978.0
22.5°	940.4	939.3	940.0	938.9	938.9	939.3	938.9	938.1
25°	897.7	896.1	897.0	897.3	897.3	897.0	896.6	897.0
27.5°	850.4	851.6	851.6	850.8	851.9	850.4	851.2	851.6
30°	801.9	800.7	800.3	801.9	804.2	802.3	802.3	802.6
32.5°	751.9	750.3	750.3	751.1	750.7	750.7	752.3	750.3
35°	698.4	699.1	696.0	697.9	698.7	697.9	698.4	698.4
37.5°	644.4	643.6	643.6	643.6	644.7	644.7	645.6	645.2
40°	591.2	589.7	589.3	590.1	588.6	589.7	589.7	588.6
42.5°	533.8	534.2	536.1	534.2	534.6	534.2	533.5	533.0
45°	480.7	481.9	481.1	480.7	481.1	479.5	480.0	481.1
47.5°	424.4	426.8	424.4	426.0	425.6	424.9	424.0	422.5
50°	371.7	372.4	372.1	371.7	371.2	370.9	368.9	367.7
52.5°	317.7	317.7	317.7	317.7	313.9	315.8	315.1	312.7
55°	264.9	266.1	264.6	264.6	261.9	261.9	261.1	261.4
57.5°	214.2	213.0	211.8	211.8	209.1	207.9	206.8	205.2
60°	166.8	165.6	164.1	162.1	159.5	159.5	158.6	155.6
62.5°	122.2	120.3	119.1	117.5	115.2	113.7	112.5	113.3
65°	83.8	81.9	80.3	80.3	80.3	79.5	79.1	79.1
67.5°	55.1	56.3	55.5	56.3	56.3	55.5	55.1	55.8
70°	38.0	38.0	37.7	37.7	37.7	37.7	37.2	37.7
72.5°	24.4	24.4	24.4	24.9	24.4	24.4	24.9	24.9
75°	15.5	15.5	15.5	15.9	15.5	15.5	15.9	15.5
77.5°	9.3	9.7	9.7	9.7	9.7	9.3	9.7	9.7
80°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)