

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: P844185

Luminaire Tested: **LD6C25DE010B2750 EU6C25B27 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844185
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: LD6C25DE010B2750 EU6C25B27 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

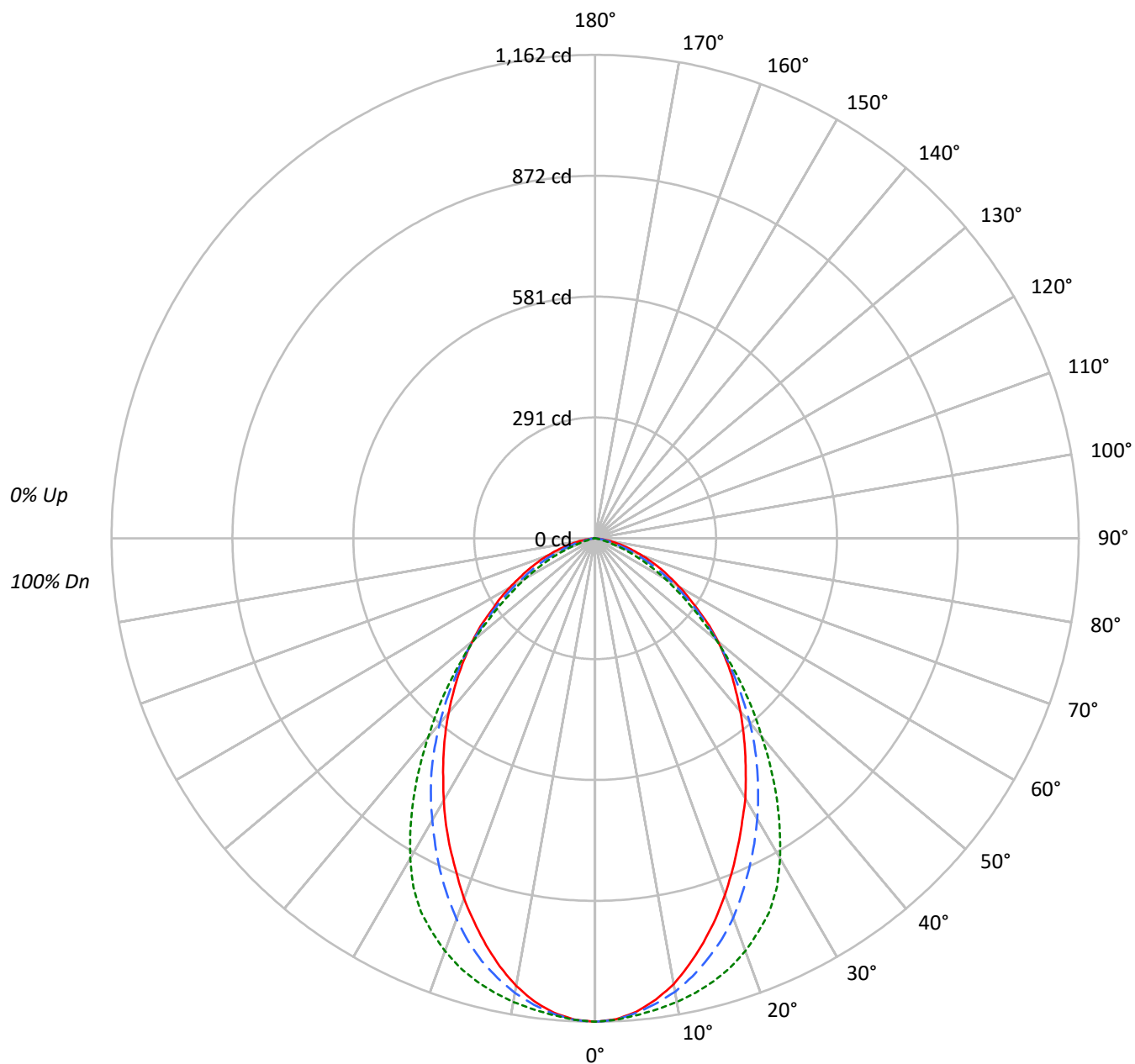
Lumens per Lamp: N/A
Luminaire Lumens: 2080.4 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	63712	63712	63712
5°	62871	63317	62976
10°	60570	62991	60804
15°	57083	62549	57463
20°	53199	61576	53765
25°	49194	59925	49787
30°	45684	56249	46007
35°	42041	50875	42510
40°	38851	44626	39216
45°	35887	38570	36011
50°	32835	32340	32801
55°	28998	26408	29112
60°	25612	21183	25996
65°	22558	15747	22700
70°	18962	9889	19458
75°	15038	4194	15462
80°	10039	979	10797
85°	4151	252	4843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	5.2
10°-20°	295.5	14.2
20°-30°	408.0	19.6
30°-40°	429.1	20.6
40°-50°	369.6	17.8
50°-60°	263.1	12.6
60°-70°	148.3	7.1
70°-80°	52.6	2.5
80°-90°	5.9	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°	811.7	39.0
0°-40°	1240.9	59.6
0°-60°	1873.5	90.1
0°-90°	2080.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2080.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1162	1162	1162	1162	1162	
5°	1142	1145	1151	1147	1144	107
15°	1006	1046	1102	1052	1012	282
25°	813	876	991	881	823	374
35°	628	679	760	686	635	393
45°	463	476	498	477	464	357
55°	303	293	276	293	305	274
65°	174	149	121	150	175	172
75°	71	48	20	48	73	77
85°	7	3	0	3	8	11
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°	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2
2.5°	1157.2	1157.6	1157.6	1157.9	1157.6	1157.6	1157.9	1157.9	1157.6	1157.9	1157.9
5°	1142.5	1142.0	1142.5	1142.8	1143.9	1143.9	1143.6	1143.6	1144.8	1144.4	1145.1
7.5°	1118.3	1118.3	1119.5	1120.4	1120.4	1120.7	1121.5	1123.0	1124.6	1125.0	1127.6
10°	1088.1	1088.5	1088.1	1089.7	1090.8	1092.7	1092.3	1095.1	1097.8	1101.6	1106.7
12.5°	1048.1	1049.3	1051.6	1051.6	1055.1	1057.0	1056.7	1062.9	1067.9	1072.5	1078.8
15°	1005.8	1005.5	1007.4	1010.5	1014.0	1016.7	1017.9	1026.0	1031.1	1038.8	1046.5
17.5°	960.4	959.3	962.3	964.4	970.2	973.7	976.0	983.0	991.1	1000.4	1010.9
20°	911.9	913.9	914.6	917.4	925.1	927.9	931.7	939.5	947.6	958.5	970.5
22.5°	862.3	864.9	866.5	870.0	876.2	878.6	882.4	893.7	902.6	912.3	923.5
25°	813.3	816.5	819.1	823.5	827.7	831.2	836.3	844.0	854.1	863.0	875.8
27.5°	765.6	768.4	769.1	774.2	779.2	783.8	786.6	795.9	804.4	815.3	827.7
30°	721.7	720.2	722.2	726.4	732.2	735.4	740.0	746.3	755.6	766.0	778.8
32.5°	673.6	673.6	676.8	681.9	686.5	688.8	690.3	698.9	708.2	718.2	728.7
35°	628.2	629.8	632.6	635.6	640.7	642.6	646.1	652.3	659.6	671.0	678.7
37.5°	584.4	585.6	588.3	591.4	595.2	599.1	600.7	607.3	612.7	622.0	629.4
40°	542.9	543.3	546.4	547.5	551.0	552.6	555.7	559.2	566.9	570.8	577.8
42.5°	501.0	502.9	504.1	506.8	507.1	510.3	511.8	513.0	519.2	521.5	525.4
45°	462.9	462.9	464.1	464.1	466.1	464.9	467.3	469.6	469.9	473.8	476.1
47.5°	423.4	422.2	423.8	423.4	422.9	422.9	423.8	424.1	425.3	428.0	429.2
50°	385.0	382.2	382.2	381.8	381.5	382.7	382.7	382.2	382.2	383.4	382.2
52.5°	345.7	345.0	343.0	341.5	340.7	340.7	340.7	339.2	339.2	338.3	335.7
55°	303.4	304.6	303.9	303.1	302.7	301.5	301.5	299.6	296.5	294.9	293.4
57.5°	266.9	268.5	268.5	266.9	265.0	264.3	262.3	261.1	258.5	255.7	252.7
60°	233.6	235.5	232.8	231.6	231.3	230.1	229.3	225.1	222.3	219.7	216.2
62.5°	201.8	202.5	200.6	199.5	198.3	197.1	196.7	193.2	188.6	185.1	180.9
65°	173.9	172.7	171.9	170.0	168.1	166.5	166.5	161.8	157.6	153.3	149.0
67.5°	144.8	145.5	144.4	142.8	139.7	138.1	135.8	132.7	128.8	124.6	119.5
70°	118.3	117.9	116.8	115.3	113.3	110.6	108.6	107.1	101.6	96.7	92.3
72.5°	94.3	93.9	92.8	90.9	88.1	86.9	85.4	81.5	77.2	73.0	68.3
75°	71.0	71.4	69.5	68.6	65.6	64.4	64.0	59.3	55.8	52.0	47.7
77.5°	50.9	50.9	48.9	47.4	45.8	45.1	43.5	40.7	38.1	34.2	30.7
80°	31.8	31.8	31.8	30.2	28.8	27.9	26.8	24.9	22.1	19.8	17.5
82.5°	17.0	17.0	16.3	15.9	15.1	14.4	14.0	13.2	11.2	10.0	8.6
85°	6.6	6.6	6.2	6.2	5.4	5.4	5.1	4.7	3.9	3.5	3.1
87.5°	0.7	0.7	0.7	0.7	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°	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2
2.5°	1158.3	1158.3	1157.9	1158.3	1158.3	1158.3	1158.3	1158.3	1158.3	1158.3	1158.7
5°	1145.9	1147.1	1147.4	1147.8	1148.6	1149.0	1149.4	1149.8	1150.2	1150.6	1150.6
7.5°	1130.0	1132.7	1134.6	1136.6	1137.4	1138.1	1139.3	1140.9	1142.0	1142.0	1141.6
10°	1110.9	1114.5	1118.3	1121.8	1123.0	1125.0	1126.9	1129.2	1131.1	1131.6	1131.6
12.5°	1086.2	1090.0	1097.0	1102.8	1105.1	1107.9	1111.8	1115.3	1117.2	1118.3	1118.0
15°	1055.1	1063.2	1073.0	1079.5	1082.7	1087.4	1093.5	1097.4	1100.5	1102.1	1101.3
17.5°	1021.4	1031.8	1042.3	1051.2	1055.5	1060.2	1068.7	1075.7	1080.4	1081.5	1080.7
20°	983.0	994.6	1005.8	1017.1	1022.9	1028.3	1037.2	1046.2	1053.9	1055.5	1054.4
22.5°	937.2	950.4	963.9	976.7	983.3	988.4	1001.2	1011.3	1020.2	1024.1	1021.4
25°	889.8	903.7	918.1	929.3	936.7	945.3	956.9	968.6	979.5	990.7	980.6
27.5°	839.3	852.1	867.3	882.8	889.8	896.0	908.1	922.8	934.0	945.3	934.0
30°	788.9	805.2	818.8	832.4	840.1	847.5	859.5	871.6	882.4	888.6	881.6
32.5°	741.6	753.6	767.2	780.3	785.8	791.6	801.7	813.0	823.5	825.4	820.7
35°	691.9	702.4	713.6	722.2	728.7	734.9	743.9	750.9	753.6	760.2	755.6
37.5°	635.6	644.9	655.0	661.2	667.0	672.1	678.7	684.9	687.3	692.3	688.8
40°	582.4	590.3	596.1	602.6	605.7	610.8	613.5	618.5	621.3	623.6	624.0
42.5°	531.2	535.5	539.8	544.5	545.6	546.8	553.4	556.8	559.6	561.1	558.7
45°	478.9	483.1	484.7	488.2	490.1	490.8	493.6	494.0	494.8	497.5	496.3
47.5°	431.1	431.5	432.7	434.3	435.0	435.0	436.6	435.0	435.7	436.2	436.9
50°	381.1	383.8	381.1	382.7	383.0	382.7	381.5	380.6	379.5	379.2	378.7
52.5°	333.7	334.1	332.5	331.4	330.2	330.6	327.5	326.0	326.4	324.1	326.7
55°	290.6	289.1	285.6	284.4	281.8	281.3	280.9	279.0	275.9	276.3	277.1
57.5°	249.2	246.4	242.9	240.9	240.2	237.1	236.7	233.6	231.6	231.3	231.3
60°	211.5	209.2	205.7	202.2	199.5	197.9	196.0	192.9	193.7	193.2	191.3
62.5°	175.8	173.0	168.1	164.1	162.6	161.4	158.8	156.4	155.3	156.4	155.3
65°	143.9	139.7	133.9	130.0	129.6	128.1	124.9	123.4	122.3	121.4	122.6
67.5°	114.4	108.6	105.1	100.2	97.8	97.0	92.8	90.4	90.9	90.4	90.9
70°	87.4	81.5	76.8	73.0	69.8	68.6	66.3	63.2	62.8	61.7	63.2
72.5°	63.2	58.2	53.9	49.7	47.0	45.4	42.3	39.2	38.4	37.7	37.7
75°	43.5	39.2	34.6	30.7	28.8	27.2	24.0	21.7	19.8	19.8	19.8
77.5°	27.2	23.7	20.2	17.5	16.3	14.7	12.1	9.7	8.9	7.7	8.1
80°	15.5	12.8	10.9	8.9	7.7	7.0	5.4	4.2	3.1	3.1	3.1
82.5°	7.4	6.2	4.7	3.9	3.5	2.7	1.9	1.6	1.2	0.7	0.7
85°	2.3	1.9	1.6	1.2	0.7	0.7	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°	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2
2.5°	1158.3	1158.7	1158.3	1158.7	1158.3	1159.1	1159.1	1158.7	1158.7	1158.7	1158.3
5°	1150.2	1150.2	1149.8	1149.8	1149.8	1149.4	1148.3	1148.3	1147.4	1147.1	1146.3
7.5°	1141.3	1140.4	1139.3	1139.0	1137.8	1136.6	1134.3	1132.3	1130.8	1128.8	1126.9
10°	1130.4	1128.5	1126.2	1124.6	1123.8	1121.1	1117.6	1112.9	1109.8	1106.3	1102.5
12.5°	1116.4	1114.1	1109.8	1106.7	1104.8	1099.7	1094.7	1088.8	1082.7	1076.5	1072.5
15°	1098.1	1094.3	1088.8	1085.8	1082.3	1075.3	1066.4	1058.2	1052.0	1045.0	1035.7
17.5°	1076.9	1071.1	1063.7	1058.6	1054.4	1045.0	1034.6	1024.1	1014.8	1006.2	996.9
20°	1047.4	1040.4	1031.4	1024.8	1020.6	1008.6	997.2	984.9	973.7	963.5	952.7
22.5°	1012.8	1001.2	992.3	984.4	979.8	966.3	953.9	940.7	928.6	919.7	908.1
25°	969.3	958.1	946.8	940.7	933.3	918.9	906.1	892.5	881.2	870.0	859.1
27.5°	923.2	910.0	897.6	890.2	883.5	869.6	856.8	844.4	831.6	819.1	809.5
30°	872.8	859.5	849.8	840.5	833.1	821.9	806.0	793.5	782.3	771.0	761.0
32.5°	816.5	805.6	794.0	789.3	783.8	770.3	757.9	745.8	734.6	723.3	712.8
35°	751.2	742.8	735.8	730.7	727.2	715.2	705.4	692.6	685.7	674.5	666.6
37.5°	684.5	680.3	675.6	669.4	664.3	657.3	651.5	641.0	632.9	624.7	616.2
40°	620.5	615.9	609.6	606.6	605.4	599.1	591.0	585.6	581.0	573.6	568.9
42.5°	558.0	555.7	549.4	548.0	546.4	541.0	537.1	532.4	529.3	523.8	521.5
45°	494.3	494.0	492.4	490.8	490.1	486.2	485.5	479.6	476.9	475.7	473.4
47.5°	438.1	436.9	434.6	436.9	433.4	433.1	433.1	431.9	430.8	427.6	427.3
50°	380.6	382.7	383.0	381.8	384.1	383.8	381.8	382.2	383.0	384.6	382.2
52.5°	327.9	329.5	332.2	331.0	332.9	334.8	334.1	337.2	336.0	337.6	340.7
55°	277.8	282.1	284.8	283.7	285.2	287.6	288.3	291.1	293.4	296.0	298.0
57.5°	234.8	236.0	239.8	240.9	241.4	243.3	247.2	251.5	254.1	256.2	258.1
60°	192.5	196.4	199.0	199.0	202.2	204.9	208.4	212.3	215.3	220.0	223.5
62.5°	156.7	157.6	161.4	161.8	164.1	168.8	171.5	177.4	181.2	186.2	190.9
65°	122.3	125.8	128.1	128.4	131.9	135.4	139.3	144.8	150.2	154.4	158.8
67.5°	91.6	93.5	96.7	99.3	100.2	105.1	110.9	116.0	120.7	124.6	130.0
70°	64.0	65.6	69.8	71.4	73.7	77.6	82.3	87.7	93.2	98.6	102.8
72.5°	39.2	42.7	45.4	47.7	49.7	54.4	59.3	64.0	68.6	73.3	78.8
75°	21.7	24.0	27.2	29.5	31.4	34.9	39.6	44.2	48.5	52.8	56.7
77.5°	9.7	12.1	14.7	16.3	17.9	20.9	24.4	28.3	31.8	34.9	38.4
80°	3.9	5.4	7.0	8.1	8.9	10.9	13.5	15.5	17.9	20.5	23.3
82.5°	1.6	1.9	2.7	3.5	3.9	5.1	6.2	7.4	9.3	10.5	12.1
85°	0.4	0.4	0.7	0.7	1.2	1.6	1.9	2.7	3.1	3.5	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
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: P844185

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2	1162.2
2.5°	1158.3	1157.9	1157.9	1157.9	1157.9	1157.6	1157.6	1157.6
5°	1146.7	1145.9	1145.5	1145.5	1144.4	1144.8	1144.8	1144.4
7.5°	1126.2	1125.3	1124.2	1125.0	1124.6	1123.4	1123.0	1122.7
10°	1099.3	1097.8	1097.4	1095.5	1094.3	1093.9	1093.9	1092.3
12.5°	1067.6	1063.2	1062.9	1060.9	1058.2	1056.7	1057.4	1055.1
15°	1032.3	1026.0	1022.9	1021.4	1018.3	1015.5	1013.2	1012.5
17.5°	989.1	982.1	979.8	978.3	971.6	971.3	968.2	967.0
20°	944.1	937.9	934.4	932.1	927.0	922.4	922.0	921.6
22.5°	900.3	890.2	887.0	883.5	878.2	874.2	871.9	870.0
25°	850.7	842.5	837.0	833.5	829.6	826.5	823.5	823.1
27.5°	800.9	793.2	789.7	786.6	781.5	778.0	774.9	776.5
30°	752.4	744.7	740.8	738.4	733.5	731.5	726.1	726.8
32.5°	704.3	697.3	694.7	690.0	685.3	683.0	681.0	679.5
35°	658.2	652.3	648.4	645.4	641.0	637.2	635.2	635.2
37.5°	611.2	605.4	603.4	601.1	597.2	591.7	589.8	591.4
40°	563.4	559.2	557.3	555.7	551.8	549.9	548.0	548.0
42.5°	518.0	513.8	513.4	511.8	508.7	507.6	506.0	504.8
45°	470.8	468.7	467.3	467.3	466.8	466.4	465.3	464.5
47.5°	425.3	425.7	425.0	424.5	425.0	423.8	425.3	424.1
50°	383.8	383.0	383.8	383.0	383.4	385.0	383.4	384.6
52.5°	339.5	343.0	343.4	341.8	343.4	344.6	345.3	347.3
55°	300.4	301.5	302.3	303.9	304.6	306.9	304.6	304.6
57.5°	262.3	264.3	265.0	266.2	269.3	268.1	270.1	271.6
60°	227.8	230.1	231.6	232.8	233.9	236.7	237.4	237.1
62.5°	194.1	197.6	197.9	201.1	201.8	203.7	205.3	203.7
65°	162.6	165.7	168.1	170.0	172.3	174.2	173.9	175.0
67.5°	133.9	137.8	139.7	140.5	143.6	144.4	146.3	147.4
70°	107.9	110.6	113.0	114.1	116.0	118.3	120.3	121.4
72.5°	82.3	86.5	88.8	89.7	92.8	94.3	95.1	96.2
75°	60.9	64.4	65.6	67.5	69.1	72.6	72.1	73.0
77.5°	42.3	44.6	47.0	47.0	49.7	50.4	52.4	52.8
80°	25.2	27.9	29.1	29.5	31.4	32.6	33.4	34.2
82.5°	13.2	15.1	15.1	15.9	17.5	17.5	17.9	18.6
85°	5.1	5.8	6.2	6.2	6.6	7.4	7.4	7.7
87.5°	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2
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)