

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: P844237

Luminaire Tested: **LD6C25DE010B40 EU6C25B40 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844237
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: LD6C25DE010B40 EU6C25B40 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

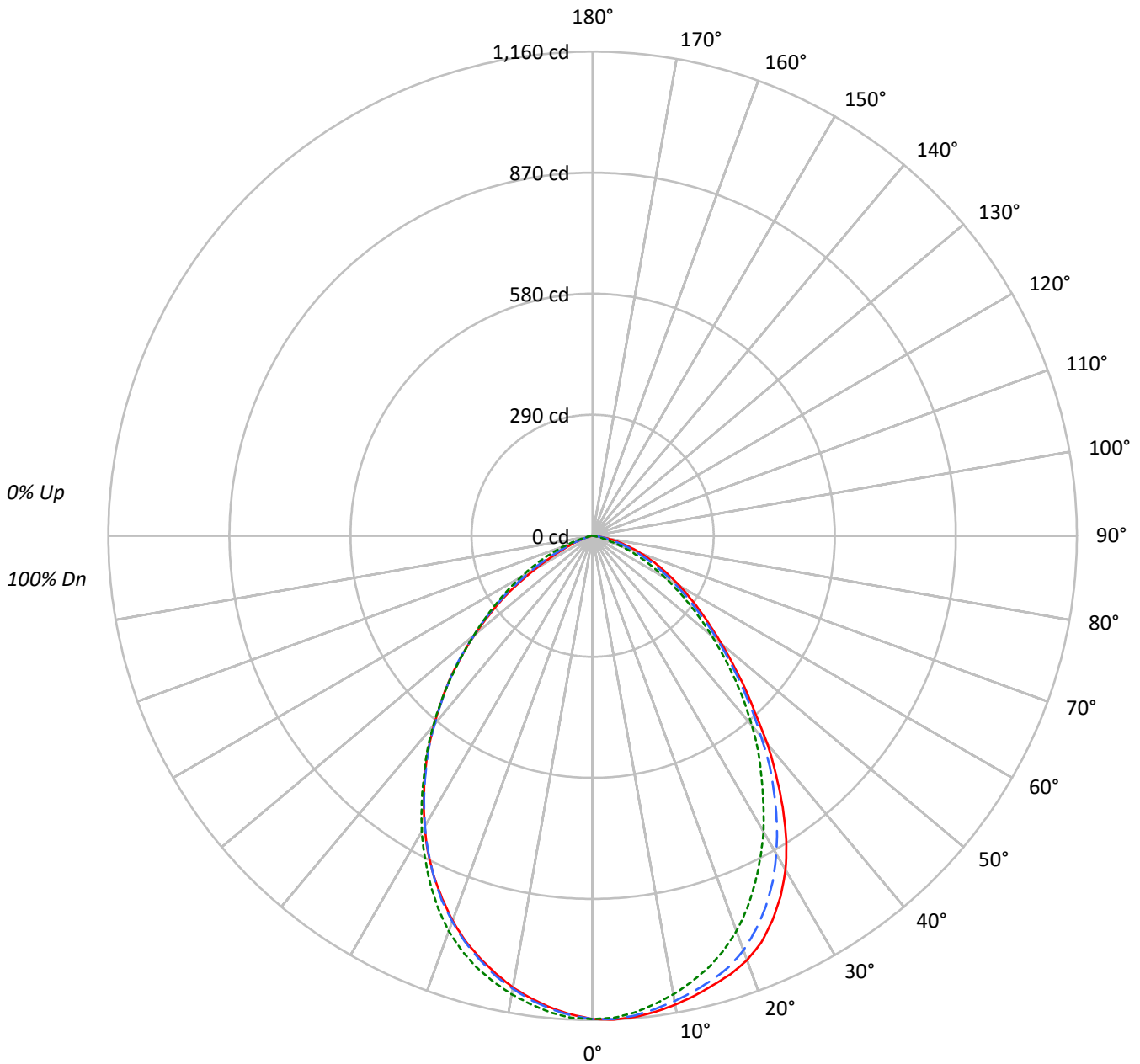
Lumens per Lamp: N/A
Luminaire Lumens: 2105.8 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	41	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°	63465	63465	63465
5°	63686	63108	62486
10°	63492	62084	61171
15°	63247	60801	59387
20°	63105	58793	57230
25°	61576	55642	54414
30°	58503	51824	50964
35°	53097	47187	46880
40°	46587	42465	42243
45°	39942	37105	37407
50°	34387	31624	31462
55°	30049	26704	25070
60°	26401	21884	17104
65°	23115	16954	10299
70°	19715	11412	6059
75°	15907	5931	3283
80°	11049	2336	1831
85°	4403	755	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	5.2
10°-20°	302.9	14.4
20°-30°	431.0	20.5
30°-40°	453.7	21.5
40°-50°	378.1	18.0
50°-60°	255.4	12.1
60°-70°	129.5	6.2
70°-80°	41.8	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°	842.4	40.0
0°-40°	1296.1	61.6
0°-60°	1929.6	91.6
0°-90°	2105.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2105.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1158	1158	1158	1158	1158	
5°	1157	1154	1147	1138	1136	110
15°	1114	1102	1071	1050	1046	315
25°	1018	981	920	901	900	467
35°	793	759	705	698	700	494
45°	515	502	479	481	482	399
55°	314	299	279	271	262	283
65°	178	161	131	95	79	177
75°	75	59	28	15	16	81
85°	7	4	1	2	2	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°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7
2.5°	1160.4	1160.4	1160.4	1160.4	1160.4	1160.4	1160.0	1160.0	1159.2	1159.2	1158.8
5°	1157.3	1157.7	1157.7	1157.3	1157.3	1156.5	1156.5	1156.1	1154.9	1154.2	1153.8
7.5°	1150.7	1150.7	1150.3	1149.9	1149.5	1148.3	1148.0	1146.8	1145.9	1145.2	1143.6
10°	1140.6	1140.6	1140.1	1139.4	1139.0	1138.2	1138.2	1136.6	1135.1	1133.1	1132.0
12.5°	1128.5	1128.9	1128.1	1127.6	1126.5	1126.2	1125.3	1123.4	1122.3	1119.9	1117.9
15°	1114.4	1115.3	1115.3	1113.7	1112.5	1112.1	1110.9	1109.8	1107.0	1104.7	1102.4
17.5°	1100.9	1101.6	1100.9	1099.7	1098.6	1097.0	1096.1	1093.8	1090.3	1087.2	1083.8
20°	1081.7	1082.9	1081.4	1079.4	1077.1	1076.7	1075.5	1071.7	1066.6	1062.0	1056.9
22.5°	1054.9	1054.1	1053.0	1052.2	1048.3	1046.0	1044.4	1039.3	1033.9	1027.7	1021.5
25°	1018.0	1019.6	1017.2	1013.6	1011.7	1009.4	1005.5	1000.1	995.0	988.4	981.0
27.5°	974.4	974.4	971.2	970.1	965.8	962.7	960.8	955.4	948.7	942.0	933.9
30°	924.2	921.8	921.8	916.4	912.9	911.7	909.8	900.8	895.0	888.0	879.8
32.5°	863.5	863.1	861.5	858.1	853.4	849.5	849.5	843.3	835.4	826.9	821.9
35°	793.4	793.9	793.0	789.2	789.2	784.4	783.7	778.2	772.1	765.4	759.2
37.5°	721.1	722.6	721.1	719.1	717.9	717.6	714.0	710.2	705.4	701.6	697.0
40°	651.0	648.6	649.5	645.6	646.0	645.2	643.6	638.6	635.8	631.9	626.9
42.5°	575.6	577.9	578.6	576.3	575.6	574.0	575.6	573.6	570.5	568.5	563.8
45°	515.2	512.8	514.0	513.3	513.7	510.5	509.4	508.6	507.5	504.0	502.0
47.5°	455.3	455.6	455.3	453.7	453.0	453.0	451.4	449.1	449.1	446.7	445.2
50°	403.2	403.2	403.9	402.0	401.2	399.7	400.0	397.7	396.1	394.2	393.0
52.5°	355.3	355.7	354.1	354.5	353.7	353.7	352.2	350.6	349.0	345.5	344.8
55°	314.4	314.9	312.8	313.6	311.3	310.1	309.4	307.0	307.0	303.5	299.2
57.5°	276.3	275.9	275.5	274.4	272.8	271.6	270.4	267.7	266.5	264.2	260.7
60°	240.8	240.5	239.7	239.3	238.2	235.4	235.4	233.5	229.6	227.3	223.8
62.5°	207.4	207.4	207.0	205.8	204.7	203.5	202.7	201.2	197.2	194.6	191.4
65°	178.2	177.8	176.6	174.7	174.0	174.0	171.2	170.1	166.9	164.3	160.8
67.5°	150.2	148.6	147.9	148.3	146.0	146.0	143.6	141.6	138.9	134.2	131.6
70°	123.0	122.2	121.4	120.7	120.3	118.7	117.5	115.2	112.4	108.9	104.7
72.5°	98.5	98.5	97.3	96.5	95.3	93.8	93.0	91.1	88.0	84.1	80.9
75°	75.1	75.1	75.1	73.5	72.8	72.0	69.7	68.5	64.9	62.6	58.8
77.5°	55.2	54.5	53.3	52.9	52.1	51.4	50.2	48.2	45.2	42.4	40.1
80°	35.0	36.2	35.0	35.0	33.1	32.3	31.9	29.6	28.5	26.1	24.1
82.5°	19.5	19.9	19.0	18.7	17.6	17.1	17.1	15.5	14.8	13.2	12.1
85°	7.0	7.4	7.0	7.0	6.2	6.7	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7
2.5°	1158.8	1158.0	1158.0	1157.7	1157.3	1157.3	1157.3	1156.8	1156.1	1156.1	1155.7
5°	1153.0	1152.2	1151.0	1150.3	1149.9	1149.5	1149.1	1148.7	1147.1	1146.8	1145.6
7.5°	1142.5	1141.7	1139.8	1139.0	1137.8	1137.4	1135.9	1135.1	1133.6	1132.0	1131.2
10°	1130.1	1128.1	1126.5	1124.6	1123.8	1122.7	1120.7	1118.3	1117.2	1115.3	1113.7
12.5°	1116.0	1113.7	1110.6	1108.3	1107.4	1105.5	1102.4	1100.5	1097.7	1094.7	1091.9
15°	1098.6	1095.8	1093.1	1088.8	1087.7	1085.2	1082.2	1078.3	1074.3	1071.3	1068.2
17.5°	1079.4	1075.2	1070.9	1066.2	1062.7	1061.5	1056.5	1051.1	1047.6	1042.1	1038.6
20°	1052.6	1046.7	1039.8	1035.1	1031.9	1028.4	1022.6	1016.8	1012.5	1007.8	1002.7
22.5°	1015.6	1010.1	1002.0	995.0	992.7	987.6	982.5	977.1	971.6	966.6	960.3
25°	972.1	966.3	958.0	951.0	947.1	944.8	935.1	929.7	924.2	919.9	915.6
27.5°	927.3	916.8	911.4	900.5	897.0	896.1	887.2	881.4	875.5	869.7	864.3
30°	872.0	863.9	855.7	847.9	843.3	840.5	833.9	826.5	822.6	818.7	813.3
32.5°	814.8	807.4	797.4	789.9	786.5	782.5	776.7	771.6	765.8	761.5	760.3
35°	753.8	745.5	737.0	731.6	730.8	726.1	720.2	716.0	711.7	705.1	704.0
37.5°	688.4	683.7	677.8	670.1	666.6	666.6	660.7	657.6	652.1	651.8	648.6
40°	624.2	622.2	613.2	610.9	610.1	604.8	603.2	597.7	593.9	593.4	588.8
42.5°	560.8	555.7	554.1	550.2	546.7	546.0	542.5	540.1	538.5	536.2	533.9
45°	497.7	496.6	492.6	489.9	488.7	487.1	486.0	481.3	480.6	478.6	477.4
47.5°	443.3	440.1	436.6	433.5	433.1	430.8	428.0	428.0	423.8	423.4	422.6
50°	389.1	386.8	384.9	380.5	381.4	378.2	377.9	374.3	372.4	370.8	372.8
52.5°	341.6	337.0	336.2	332.7	331.6	331.9	327.7	326.5	325.8	324.2	323.3
55°	296.6	294.2	291.1	288.7	286.8	284.8	283.2	283.2	279.0	279.4	277.4
57.5°	256.8	254.9	251.0	247.5	246.7	244.4	242.4	240.5	240.1	237.3	235.4
60°	221.4	217.9	212.9	211.3	209.0	207.0	205.1	202.7	201.6	199.6	196.1
62.5°	188.4	182.5	180.5	177.5	174.7	173.6	170.5	167.7	165.7	163.1	160.3
65°	156.8	152.5	149.0	145.5	145.1	142.0	139.3	137.0	133.1	130.7	125.6
67.5°	128.0	124.2	120.3	116.8	114.0	113.3	108.9	106.2	103.5	98.9	94.6
70°	101.5	97.6	94.6	90.3	89.2	86.0	82.9	80.2	75.5	71.2	67.7
72.5°	77.4	73.2	69.7	66.5	64.6	61.9	58.8	55.6	51.0	46.7	43.6
75°	55.2	52.1	48.7	45.5	44.0	42.4	38.9	35.4	32.3	28.0	25.3
77.5°	37.3	34.3	31.1	28.5	26.4	25.3	23.0	20.2	17.6	15.1	13.2
80°	21.8	19.9	17.6	15.1	14.8	13.6	11.6	10.2	8.6	7.4	5.8
82.5°	10.5	9.3	7.8	6.7	5.8	5.5	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7
2.5°	1154.5	1154.2	1153.8	1153.3	1152.6	1152.6	1151.4	1150.7	1150.7	1149.9	1149.5
5°	1144.5	1143.3	1142.9	1142.1	1141.3	1141.0	1139.4	1139.0	1138.2	1137.4	1137.4
7.5°	1130.1	1128.5	1126.9	1126.2	1125.7	1124.6	1123.8	1123.4	1122.3	1121.5	1119.9
10°	1110.9	1109.8	1107.9	1107.0	1106.3	1105.5	1103.5	1102.4	1102.1	1101.2	1100.5
12.5°	1088.8	1087.2	1085.2	1083.8	1082.9	1081.7	1079.8	1078.7	1078.7	1077.1	1077.1
15°	1065.0	1062.7	1059.2	1057.6	1057.3	1054.9	1053.4	1051.8	1049.9	1049.1	1049.1
17.5°	1034.7	1030.8	1027.7	1027.7	1026.1	1023.8	1021.5	1020.3	1019.1	1017.5	1016.8
20°	998.9	996.2	992.7	992.7	989.2	988.4	986.0	985.7	983.0	983.3	982.1
22.5°	955.7	954.2	952.2	950.6	948.7	946.4	945.2	945.6	944.5	944.0	943.6
25°	912.1	907.9	905.5	904.7	904.0	902.1	901.2	900.8	900.8	899.6	900.0
27.5°	862.0	858.8	855.7	856.9	855.3	854.1	853.4	852.2	853.0	852.6	853.0
30°	810.6	806.7	804.8	805.5	805.1	802.0	803.6	803.2	803.6	803.6	804.3
32.5°	756.4	753.8	753.4	753.8	750.3	750.6	749.1	751.4	751.8	754.1	752.2
35°	701.6	700.0	697.3	697.0	697.3	697.0	697.0	698.5	698.1	700.5	699.6
37.5°	645.2	644.4	641.7	642.4	640.9	643.6	644.4	643.6	646.3	645.6	645.2
40°	589.9	588.8	587.2	590.3	588.4	586.8	589.5	587.2	587.9	590.3	590.3
42.5°	533.9	532.0	532.0	532.0	531.6	531.6	532.7	533.9	533.2	533.5	536.6
45°	477.4	477.1	475.9	476.7	476.3	478.3	478.3	479.0	480.6	482.2	481.3
47.5°	422.9	422.2	423.4	422.6	422.9	421.8	422.6	425.0	426.9	424.1	426.9
50°	372.0	370.5	370.1	371.2	370.8	370.5	371.2	371.2	370.5	370.5	373.1
52.5°	323.3	321.8	320.7	322.6	321.4	321.8	320.3	320.3	321.0	320.3	319.1
55°	277.8	276.7	275.1	275.9	273.9	273.6	272.0	272.0	270.9	270.0	267.7
57.5°	234.3	233.5	229.9	229.6	229.9	227.3	224.5	223.4	220.2	219.5	219.0
60°	195.8	191.4	189.5	187.2	185.6	184.5	181.4	179.4	174.7	172.0	171.7
62.5°	155.7	153.7	151.3	147.9	147.1	143.2	140.1	135.1	132.7	129.2	125.6
65°	123.3	118.2	114.8	112.8	109.8	106.2	102.7	97.3	94.6	90.3	86.7
67.5°	90.3	86.0	81.3	79.7	77.0	72.8	69.3	64.6	62.3	58.4	57.2
70°	61.9	58.0	54.5	52.1	50.2	45.9	42.4	40.8	38.5	37.8	37.8
72.5°	39.7	36.2	32.3	31.1	29.6	27.3	24.9	24.1	24.9	24.5	24.5
75°	22.2	20.2	17.6	16.4	16.4	15.5	15.1	15.1	15.1	15.1	15.1
77.5°	11.3	10.2	9.3	9.0	9.0	9.0	9.3	9.3	9.3	9.7	9.3
80°	5.5	5.1	5.1	5.1	5.5	5.5	5.5	5.5	5.5	5.8	5.5
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: P844237

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7
2.5°	1149.1	1148.3	1148.3	1148.0	1148.0	1148.0	1148.0	1148.3
5°	1136.6	1136.2	1136.2	1135.5	1135.5	1135.5	1135.5	1135.5
7.5°	1119.9	1119.2	1119.5	1118.8	1118.8	1119.2	1118.8	1118.3
10°	1099.3	1098.9	1099.3	1099.3	1098.6	1098.1	1098.6	1098.9
12.5°	1075.9	1075.5	1074.8	1075.2	1075.2	1074.8	1074.3	1073.6
15°	1048.7	1048.3	1047.9	1047.6	1047.2	1047.6	1047.2	1046.4
17.5°	1016.8	1016.8	1016.4	1016.1	1015.6	1014.8	1015.2	1016.4
20°	982.5	982.1	981.4	981.8	980.2	979.5	979.8	981.0
22.5°	943.3	942.0	942.9	941.7	941.7	942.0	941.7	940.9
25°	900.5	898.9	899.6	900.0	900.0	899.6	899.3	899.6
27.5°	853.0	854.1	854.1	853.4	854.6	853.0	853.7	854.1
30°	804.3	803.2	802.7	804.3	806.7	804.8	804.8	805.1
32.5°	754.1	752.6	752.6	753.4	752.9	752.9	754.5	752.6
35°	700.5	701.2	698.1	700.0	700.8	700.0	700.5	700.5
37.5°	646.3	645.6	645.6	645.6	646.7	646.7	647.5	647.2
40°	593.0	591.4	591.1	591.9	590.3	591.4	591.4	590.3
42.5°	535.5	535.8	537.8	535.8	536.2	535.8	535.1	534.6
45°	482.2	483.3	482.5	482.2	482.5	481.0	481.3	482.5
47.5°	425.7	428.0	425.7	427.3	426.9	426.1	425.3	423.8
50°	372.8	373.6	373.1	372.8	372.4	372.0	370.1	368.9
52.5°	318.7	318.7	318.7	318.7	314.9	316.8	316.0	313.6
55°	265.8	266.9	265.4	265.4	262.6	262.6	261.9	262.3
57.5°	214.8	213.6	212.5	212.5	209.7	208.6	207.4	205.8
60°	167.3	166.2	164.6	162.7	159.9	159.9	159.2	156.0
62.5°	122.6	120.7	119.5	117.9	115.6	114.0	112.8	113.6
65°	84.1	82.1	80.6	80.6	80.6	79.7	79.4	79.4
67.5°	55.2	56.4	55.6	56.4	56.4	55.6	55.2	56.1
70°	38.2	38.2	37.8	37.8	37.8	37.8	37.3	37.8
72.5°	24.5	24.5	24.5	24.9	24.5	24.5	24.9	24.9
75°	15.5	15.5	15.5	16.0	15.5	15.5	16.0	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)