

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: P844203

Luminaire Tested: **LD6C25DE010B2750 EU6C25B30 6LBLWWH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844203
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 EU6C25B30 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

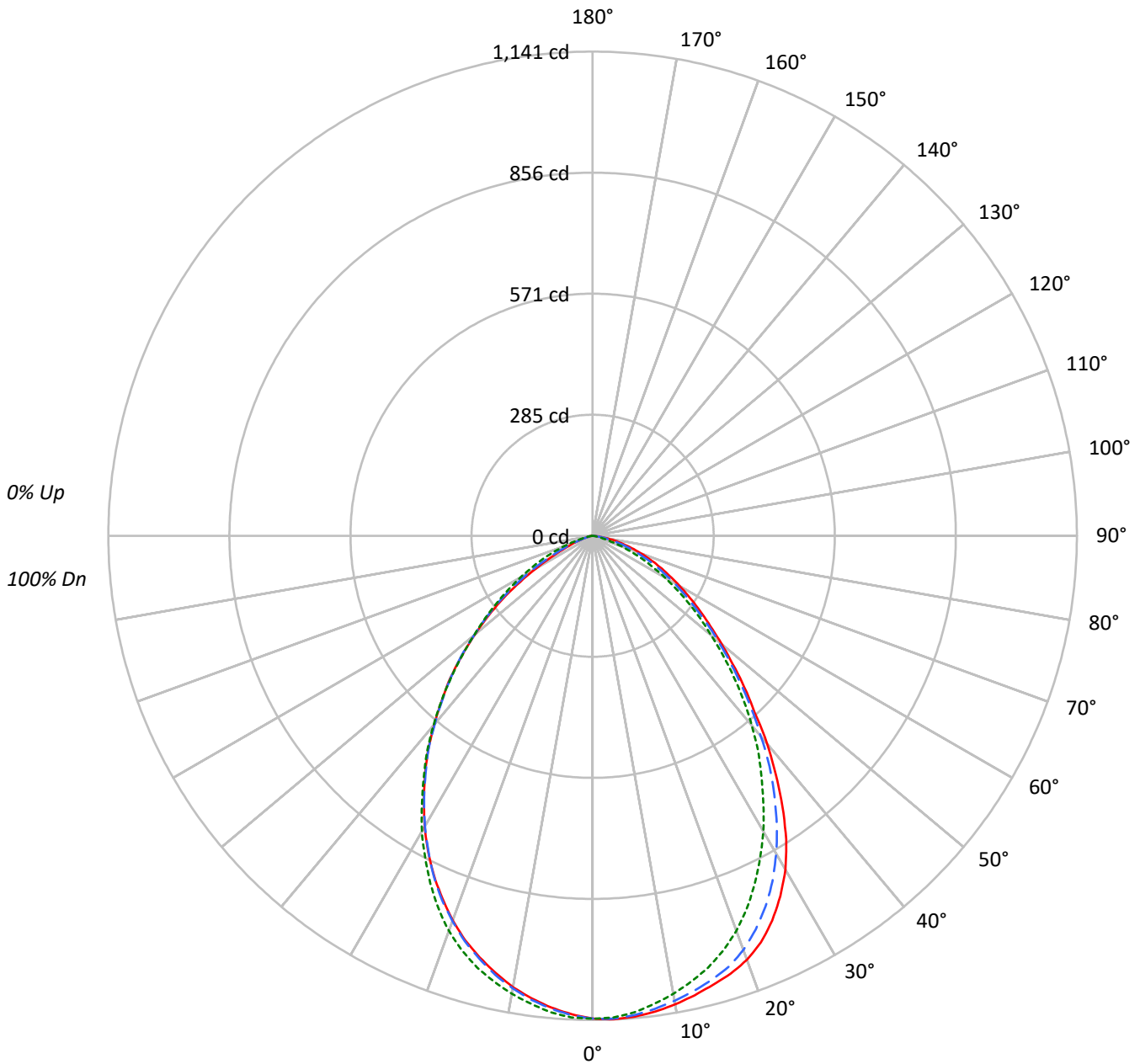
Lumens per Lamp: N/A
Luminaire Lumens: 2069.8 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	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°	62380	62380	62380
5°	62596	62029	61419
10°	62407	61021	60130
15°	62168	59762	58372
20°	62031	57796	56250
25°	60524	54693	53489
30°	57503	50945	50090
35°	52193	46384	46077
40°	45793	41742	41521
45°	39260	36469	36764
50°	33798	31086	30924
55°	29533	26255	24630
60°	25963	21511	16819
65°	22713	16668	10131
70°	19378	11220	5947
75°	15631	5825	3241
80°	10860	2305	1799
85°	4340	755	943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	5.2
10°-20°	297.7	14.4
20°-30°	423.7	20.5
30°-40°	445.9	21.5
40°-50°	371.6	18.0
50°-60°	251.1	12.1
60°-70°	127.3	6.2
70°-80°	41.1	2.0
80°-90°	4.7	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°	828.0	40.0
0°-40°	1274.0	61.6
0°-60°	1896.7	91.6
0°-90°	2069.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2069.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1138	1138	1138	1138	1138	
5°	1138	1134	1127	1119	1116	108
15°	1095	1084	1053	1032	1028	310
25°	1001	964	904	886	884	459
35°	780	746	693	686	688	485
45°	506	493	470	472	474	392
55°	309	294	275	266	258	278
65°	175	158	128	93	78	174
75°	74	58	28	15	15	80
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°	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9
2.5°	1140.6	1140.6	1140.6	1140.6	1140.6	1140.6	1140.2	1140.2	1139.4	1139.4	1139.1
5°	1137.5	1137.9	1137.9	1137.5	1137.5	1136.7	1136.7	1136.3	1135.3	1134.4	1134.1
7.5°	1131.0	1131.0	1130.6	1130.3	1129.9	1128.7	1128.3	1127.2	1126.4	1125.6	1124.2
10°	1121.1	1121.1	1120.7	1119.9	1119.5	1118.8	1118.8	1117.3	1115.7	1113.8	1112.6
12.5°	1109.2	1109.6	1108.8	1108.4	1107.3	1106.9	1106.2	1104.3	1103.1	1100.8	1098.9
15°	1095.4	1096.2	1096.2	1094.7	1093.5	1093.2	1092.0	1090.8	1088.2	1085.9	1083.5
17.5°	1082.1	1082.8	1082.1	1080.9	1079.7	1078.3	1077.4	1075.2	1071.7	1068.6	1065.2
20°	1063.3	1064.4	1062.9	1061.0	1058.7	1058.4	1057.2	1053.4	1048.4	1043.8	1038.8
22.5°	1036.9	1036.2	1035.0	1034.3	1030.5	1028.1	1026.5	1021.6	1016.3	1010.1	1004.0
25°	1000.6	1002.1	999.8	996.4	994.5	992.2	988.4	983.0	978.0	971.5	964.2
27.5°	957.8	957.8	954.7	953.6	949.3	946.3	944.4	939.0	932.5	926.0	917.9
30°	908.4	906.1	906.1	900.8	897.3	896.1	894.2	885.5	879.7	872.9	864.8
32.5°	848.8	848.3	846.8	843.4	838.8	835.0	835.0	828.9	821.1	812.8	807.8
35°	779.9	780.2	779.5	775.7	775.7	771.1	770.3	765.0	758.9	752.3	746.3
37.5°	708.7	710.3	708.7	706.8	705.7	705.3	701.8	698.0	693.5	689.6	685.0
40°	639.9	637.6	638.4	634.6	634.9	634.2	632.7	627.7	625.0	621.1	616.2
42.5°	565.7	567.9	568.8	566.5	565.7	564.1	565.7	563.8	560.8	558.9	554.2
45°	506.4	504.1	505.2	504.5	504.9	501.8	500.7	499.9	498.8	495.3	493.4
47.5°	447.5	447.9	447.5	446.0	445.3	445.3	443.7	441.4	441.4	439.1	437.5
50°	396.3	396.3	397.0	395.1	394.4	392.8	393.2	390.9	389.4	387.4	386.4
52.5°	349.2	349.5	348.1	348.5	347.6	347.6	346.2	344.6	343.1	339.6	338.9
55°	309.0	309.5	307.6	308.3	306.0	304.8	304.1	301.7	301.7	298.4	294.1
57.5°	271.6	271.2	270.8	269.7	268.1	266.9	265.8	263.1	262.0	259.8	256.3
60°	236.8	236.4	235.6	235.2	234.1	231.4	231.4	229.5	225.7	223.4	219.9
62.5°	203.9	203.9	203.5	202.3	201.2	200.0	199.3	197.8	194.0	191.2	188.2
65°	175.1	174.8	173.7	171.8	171.0	171.0	168.3	167.1	164.0	161.4	158.0
67.5°	147.6	146.1	145.3	145.7	143.4	143.4	141.1	139.2	136.5	132.0	129.2
70°	120.9	120.1	119.3	118.6	118.1	116.7	115.5	113.2	110.5	107.1	102.9
72.5°	96.8	96.8	95.6	94.9	93.7	92.2	91.4	89.5	86.4	82.6	79.5
75°	73.8	73.8	73.8	72.3	71.5	70.8	68.4	67.3	63.9	61.6	57.7
77.5°	54.4	53.5	52.4	52.0	51.3	50.4	49.4	47.4	44.4	41.7	39.3
80°	34.4	35.5	34.4	34.4	32.5	31.7	31.4	29.1	27.9	25.6	23.7
82.5°	19.1	19.5	18.7	18.4	17.2	16.8	16.8	15.3	14.5	13.0	11.8
85°	6.9	7.3	6.9	6.9	6.1	6.5	6.1	5.7	5.0	4.2	3.8
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°	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9
2.5°	1139.1	1138.2	1138.2	1137.9	1137.5	1137.5	1137.5	1137.2	1136.3	1136.3	1136.0
5°	1133.3	1132.5	1131.4	1130.6	1130.3	1129.9	1129.4	1129.1	1127.5	1127.2	1126.1
7.5°	1123.0	1122.3	1120.2	1119.5	1118.3	1118.0	1116.4	1115.7	1114.2	1112.6	1111.9
10°	1110.7	1108.8	1107.3	1105.3	1104.6	1103.4	1101.5	1099.3	1098.1	1096.2	1094.7
12.5°	1097.0	1094.7	1091.6	1089.4	1088.5	1086.6	1083.5	1081.6	1079.0	1075.9	1073.3
15°	1079.7	1077.1	1074.5	1070.2	1069.1	1066.7	1063.7	1059.9	1056.0	1053.0	1049.9
17.5°	1061.0	1056.8	1052.6	1048.0	1044.5	1043.5	1038.5	1033.1	1029.6	1024.3	1020.8
20°	1034.6	1028.9	1022.0	1017.4	1014.4	1010.9	1005.2	999.5	995.2	990.7	985.7
22.5°	998.3	992.9	984.9	978.0	975.7	970.7	965.7	960.4	955.0	950.1	943.9
25°	955.5	949.8	941.7	934.8	930.9	928.7	919.1	913.8	908.4	904.2	899.9
27.5°	911.5	901.1	895.8	885.0	881.6	880.9	872.0	866.3	860.6	854.9	849.5
30°	857.1	849.1	841.1	833.4	828.9	826.1	819.7	812.4	808.6	804.8	799.4
32.5°	800.9	793.6	783.7	776.4	773.0	769.2	763.4	758.4	752.7	748.5	747.3
35°	740.9	732.8	724.4	719.1	718.3	713.7	708.0	703.7	699.5	693.1	691.9
37.5°	676.6	672.0	666.3	658.6	655.2	655.2	649.5	646.4	641.0	640.7	637.6
40°	613.5	611.6	602.7	600.5	599.8	594.4	592.8	587.5	583.7	583.3	578.7
42.5°	551.1	546.2	544.7	540.9	537.4	536.6	533.2	530.9	529.3	527.0	524.8
45°	489.2	488.1	484.2	481.5	480.4	478.9	477.7	473.2	472.3	470.4	469.3
47.5°	435.6	432.6	429.2	426.1	425.7	423.4	420.7	420.7	416.5	416.2	415.3
50°	382.4	380.2	378.3	374.1	374.8	371.8	371.4	368.0	366.0	364.5	366.5
52.5°	335.8	331.3	330.5	327.0	325.9	326.3	322.0	320.9	320.1	318.6	317.8
55°	291.5	289.2	286.1	283.8	281.9	280.0	278.5	278.5	274.2	274.7	272.8
57.5°	252.5	250.6	246.7	243.3	242.5	240.2	238.3	236.4	236.0	233.3	231.4
60°	217.7	214.2	209.2	207.7	205.4	203.5	201.6	199.3	198.1	196.2	192.8
62.5°	185.1	179.4	177.5	174.4	171.8	170.6	167.5	164.9	163.0	160.2	157.6
65°	154.1	150.0	146.5	143.1	142.7	139.6	137.0	134.6	130.8	128.5	123.5
67.5°	125.9	122.1	118.1	114.8	112.1	111.3	107.1	104.4	101.7	97.2	93.0
70°	99.8	96.0	93.0	88.7	87.6	84.5	81.4	78.8	74.2	70.0	66.5
72.5°	76.1	71.9	68.4	65.4	63.5	60.8	57.7	54.7	50.1	45.9	42.8
75°	54.4	51.3	47.8	44.7	43.3	41.7	38.3	34.8	31.7	27.5	24.9
77.5°	36.7	33.6	30.6	27.9	26.0	24.9	22.5	19.9	17.2	14.9	13.0
80°	21.5	19.5	17.2	14.9	14.5	13.4	11.4	9.9	8.5	7.3	5.7
82.5°	10.4	9.2	7.6	6.5	5.7	5.4	4.5	3.8	3.1	2.6	2.6
85°	3.1	2.6	2.3	1.9	1.5	1.5	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°	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9
2.5°	1134.8	1134.4	1134.1	1133.7	1132.9	1132.9	1131.8	1131.0	1131.0	1130.3	1129.9
5°	1124.9	1123.7	1123.3	1122.6	1121.8	1121.4	1119.9	1119.5	1118.8	1118.0	1118.0
7.5°	1110.7	1109.2	1107.7	1106.9	1106.5	1105.3	1104.6	1104.3	1103.1	1102.4	1100.8
10°	1092.0	1090.8	1088.9	1088.2	1087.4	1086.6	1084.7	1083.5	1083.2	1082.4	1081.6
12.5°	1070.2	1068.6	1066.7	1065.2	1064.4	1063.3	1061.4	1060.3	1060.3	1058.7	1058.7
15°	1046.8	1044.5	1041.1	1039.5	1039.2	1036.9	1035.4	1033.8	1031.9	1031.2	1031.2
17.5°	1017.0	1013.2	1010.1	1010.1	1008.6	1006.3	1004.0	1002.8	1001.7	1000.2	999.5
20°	981.8	979.2	975.7	975.7	972.3	971.5	969.2	968.8	966.1	966.6	965.4
22.5°	939.4	937.8	935.9	934.4	932.5	930.2	929.0	929.4	928.3	927.9	927.5
25°	896.6	892.3	890.0	889.3	888.5	886.6	885.9	885.5	885.5	884.3	884.7
27.5°	847.2	844.1	841.1	842.2	840.7	839.5	838.8	837.6	838.4	838.1	838.4
30°	796.7	792.9	791.0	791.7	791.3	788.3	789.8	789.4	789.8	789.8	790.6
32.5°	743.5	740.9	740.4	740.9	737.4	737.8	736.3	738.5	739.0	741.3	739.4
35°	689.6	688.1	685.5	685.0	685.5	685.0	685.0	686.5	686.2	688.5	687.7
37.5°	634.2	633.4	630.7	631.5	629.9	632.7	633.4	632.7	635.3	634.6	634.2
40°	579.8	578.7	577.2	580.2	578.3	576.8	579.5	577.2	577.9	580.2	580.2
42.5°	524.8	522.9	522.9	522.9	522.5	522.5	523.6	524.8	524.0	524.4	527.4
45°	469.3	469.0	467.8	468.5	468.1	470.1	470.1	470.9	472.3	473.9	473.2
47.5°	415.8	415.0	416.2	415.3	415.8	414.6	415.3	417.7	419.6	416.9	419.6
50°	365.6	364.1	363.7	364.9	364.5	364.1	364.9	364.9	364.1	364.1	366.8
52.5°	317.8	316.3	315.2	317.1	315.9	316.3	314.8	314.8	315.6	314.8	313.6
55°	273.1	271.9	270.4	271.2	269.3	268.9	267.4	267.4	266.2	265.5	263.1
57.5°	230.2	229.5	226.0	225.7	226.0	223.4	220.7	219.6	216.5	215.8	215.3
60°	192.4	188.2	186.2	183.9	182.4	181.3	178.2	176.3	171.8	169.0	168.7
62.5°	153.0	151.0	148.8	145.3	144.6	140.8	137.7	132.7	130.4	127.0	123.5
65°	121.2	116.2	112.8	110.9	107.9	104.4	101.0	95.6	93.0	88.7	85.2
67.5°	88.7	84.5	80.0	78.4	75.7	71.5	68.1	63.5	61.2	57.3	56.3
70°	60.8	57.0	53.5	51.3	49.4	45.2	41.7	40.2	37.9	37.1	37.1
72.5°	39.0	35.5	31.7	30.6	29.1	26.8	24.4	23.7	24.4	24.1	24.1
75°	21.8	19.9	17.2	16.1	16.1	15.3	14.9	14.9	14.9	14.9	14.9
77.5°	11.1	9.9	9.2	8.8	8.8	8.8	9.2	9.2	9.2	9.5	9.2
80°	5.4	5.0	5.0	5.0	5.4	5.4	5.4	5.4	5.4	5.7	5.4
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.1	3.1
85°	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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: P844203

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B30 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9	1137.9
2.5°	1129.4	1128.7	1128.7	1128.3	1128.3	1128.3	1128.3	1128.7
5°	1117.3	1116.9	1116.9	1116.1	1116.1	1116.1	1116.1	1116.1
7.5°	1100.8	1100.0	1100.4	1099.6	1099.6	1100.0	1099.6	1099.3
10°	1080.5	1080.2	1080.5	1080.5	1079.7	1079.4	1079.7	1080.2
12.5°	1057.5	1057.2	1056.5	1056.8	1056.8	1056.5	1056.0	1055.3
15°	1030.8	1030.5	1030.0	1029.6	1029.3	1029.6	1029.3	1028.5
17.5°	999.5	999.5	999.0	998.6	998.3	997.6	997.9	999.0
20°	965.7	965.4	964.7	965.0	963.5	962.8	963.1	964.2
22.5°	927.1	926.0	926.8	925.6	925.6	926.0	925.6	924.9
25°	885.0	883.5	884.3	884.7	884.7	884.3	884.0	884.3
27.5°	838.4	839.5	839.5	838.8	840.0	838.4	839.1	839.5
30°	790.6	789.4	789.1	790.6	792.9	791.0	791.0	791.3
32.5°	741.3	739.7	739.7	740.4	740.1	740.1	741.6	739.7
35°	688.5	689.3	686.2	688.1	688.8	688.1	688.5	688.5
37.5°	635.3	634.6	634.6	634.6	635.6	635.6	636.5	636.1
40°	582.9	581.4	581.0	581.8	580.2	581.4	581.4	580.2
42.5°	526.3	526.7	528.6	526.7	527.0	526.7	526.0	525.5
45°	473.9	475.1	474.2	473.9	474.2	472.8	473.2	474.2
47.5°	418.4	420.7	418.4	420.0	419.6	418.8	418.1	416.5
50°	366.5	367.2	366.8	366.5	366.0	365.6	363.7	362.6
52.5°	313.3	313.3	313.3	313.3	309.5	311.4	310.6	308.3
55°	261.2	262.4	260.8	260.8	258.2	258.2	257.4	257.7
57.5°	211.1	209.9	208.9	208.9	206.1	205.0	203.9	202.3
60°	164.5	163.3	161.8	159.9	157.2	157.2	156.4	153.4
62.5°	120.5	118.6	117.4	115.9	113.6	112.1	110.9	111.7
65°	82.6	80.7	79.2	79.2	79.2	78.4	78.1	78.1
67.5°	54.4	55.4	54.7	55.4	55.4	54.7	54.4	55.1
70°	37.4	37.4	37.1	37.1	37.1	37.1	36.7	37.1
72.5°	24.1	24.1	24.1	24.4	24.1	24.1	24.4	24.4
75°	15.3	15.3	15.3	15.7	15.3	15.3	15.7	15.3
77.5°	9.2	9.5	9.5	9.5	9.5	9.2	9.5	9.5
80°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)