

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: P844204

Luminaire Tested: **LD6C25DE010B2750 EU6C25B30 6LBLWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25DE010B2750 EU6C25B30 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

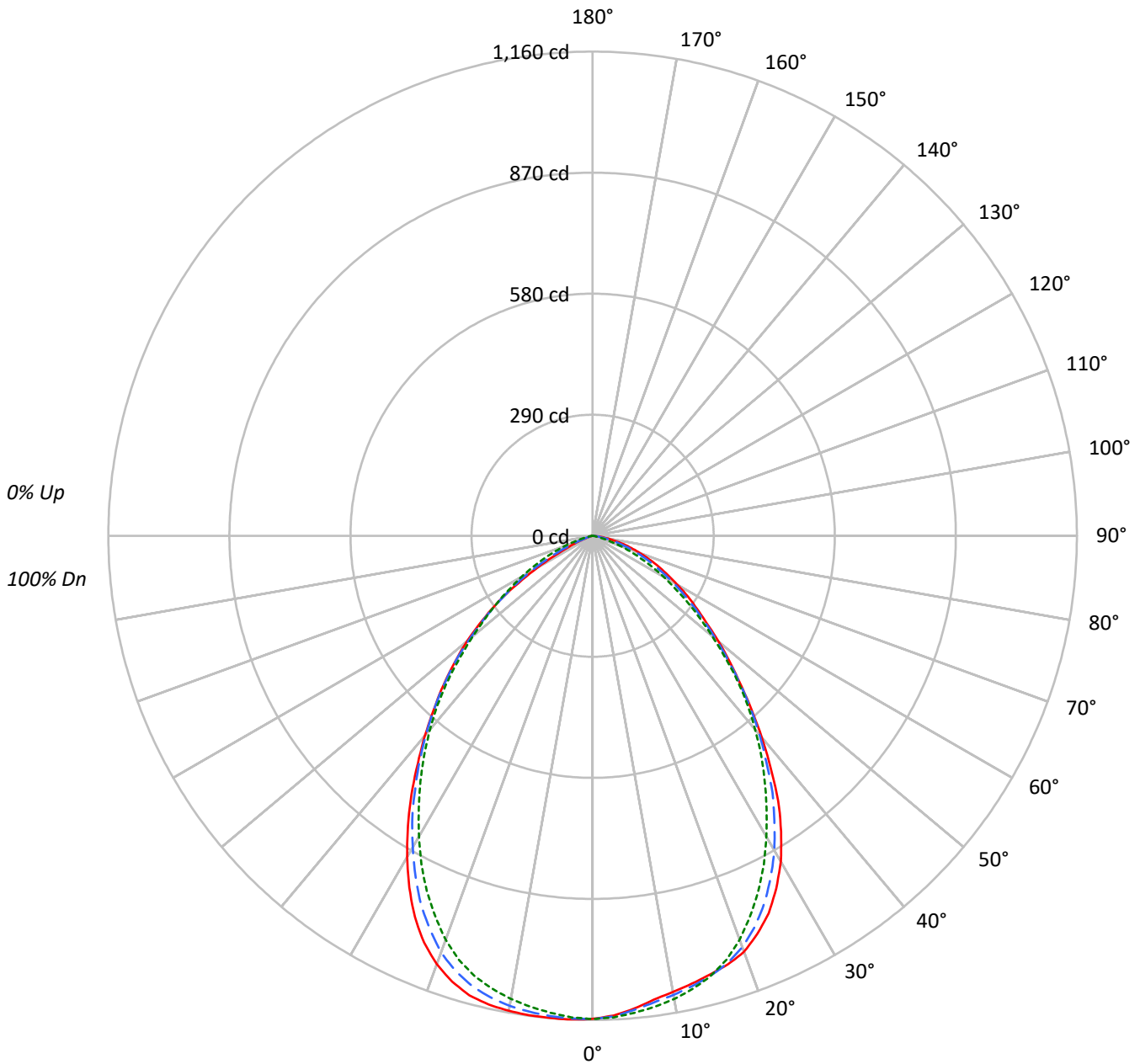
Lumens per Lamp: N/A
Luminaire Lumens: 2129.0 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78																			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69																			
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61																			
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54																			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44																			
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	63460	63460	63460
5°	62591	63135	63829
10°	61761	62719	64333
15°	61731	61987	64683
20°	61868	60083	63700
25°	60354	56816	60953
30°	57059	52673	56211
35°	51879	48118	50621
40°	45099	43324	44691
45°	38663	37981	39190
50°	33526	31828	33432
55°	29093	26465	26312
60°	25612	21435	16654
65°	22467	16266	7990
70°	19314	10787	2949
75°	15695	4533	805
80°	10607	1105	379
85°	4340	252	252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	5.1
10°-20°	310.6	14.6
20°-30°	445.1	20.9
30°-40°	463.8	21.8
40°-50°	384.2	18.0
50°-60°	254.7	12.0
60°-70°	123.3	5.8
70°-80°	34.9	1.6
80°-90°	3.4	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°	864.6	40.6
0°-40°	1328.4	62.4
0°-60°	1967.4	92.4
0°-90°	2129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2129.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1158	1158	1158	1158	1158	
5°	1137	1140	1147	1155	1160	108
15°	1088	1092	1092	1117	1140	308
25°	998	972	939	974	1008	456
35°	775	751	719	741	756	481
45°	499	497	490	502	506	388
55°	304	294	277	272	275	275
65°	173	156	125	86	62	173
75°	74	57	21	4	4	79
85°	7	3	0	0	0	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°	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6
2.5°	1150.4	1150.7	1151.6	1150.7	1151.1	1151.6	1151.6	1151.9	1151.9	1152.3	1152.6
5°	1137.4	1138.5	1138.5	1138.5	1138.5	1138.9	1139.3	1139.3	1138.9	1138.9	1140.4
7.5°	1120.9	1122.0	1121.7	1122.0	1122.5	1123.6	1123.2	1123.9	1124.8	1125.9	1127.4
10°	1109.5	1109.8	1109.5	1110.6	1111.4	1112.1	1112.1	1112.8	1113.7	1114.7	1116.8
12.5°	1099.1	1099.5	1099.8	1100.7	1101.4	1101.0	1101.8	1102.6	1102.9	1103.7	1104.8
15°	1087.7	1089.6	1089.2	1089.6	1089.9	1090.3	1090.7	1091.1	1090.7	1090.7	1091.5
17.5°	1077.0	1077.3	1077.7	1077.7	1077.7	1077.7	1077.0	1077.0	1075.8	1074.7	1073.9
20°	1060.5	1060.1	1059.3	1059.3	1057.8	1058.2	1056.7	1055.9	1054.0	1051.3	1048.6
22.5°	1031.8	1033.7	1033.0	1030.2	1028.8	1028.8	1027.2	1023.8	1020.7	1017.7	1014.2
25°	997.8	997.0	995.9	994.3	992.1	990.5	988.3	985.9	981.0	975.6	972.5
27.5°	952.3	953.5	950.7	948.5	947.3	945.0	942.7	939.6	933.6	928.9	923.6
30°	901.4	900.7	900.3	897.2	894.1	894.9	890.3	886.8	882.3	874.7	870.4
32.5°	840.2	841.3	839.0	838.7	833.0	832.1	832.1	826.9	823.1	815.8	810.0
35°	775.2	774.4	773.7	771.0	770.6	768.3	766.4	762.6	757.6	755.3	750.7
37.5°	700.3	700.6	701.0	701.0	699.5	697.9	696.5	696.5	689.6	688.4	683.0
40°	630.2	631.4	631.0	628.3	628.8	629.1	628.8	628.3	624.1	622.6	621.9
42.5°	562.1	564.1	562.1	561.8	562.1	562.1	561.4	562.6	560.7	562.1	558.7
45°	498.7	500.3	499.1	498.7	497.9	499.8	497.5	499.4	498.4	496.5	497.2
47.5°	444.0	442.5	444.0	443.3	442.1	440.6	442.8	441.7	439.0	438.6	439.4
50°	393.1	392.4	393.1	392.8	390.8	390.8	390.5	389.7	388.9	386.7	385.1
52.5°	344.6	347.2	345.3	347.2	344.6	343.4	343.8	342.7	341.1	340.3	337.3
55°	304.4	304.8	304.8	304.8	303.2	302.5	301.7	301.0	301.0	297.5	294.4
57.5°	269.6	268.9	268.4	267.4	266.5	265.8	265.0	262.7	260.4	257.4	255.1
60°	233.6	234.5	234.5	232.9	231.7	230.6	230.2	228.7	226.0	222.9	219.6
62.5°	202.6	203.5	201.6	201.6	199.3	198.8	198.8	196.6	193.5	190.1	186.2
65°	173.2	172.8	173.7	170.9	171.3	169.0	168.3	167.1	164.0	159.8	156.4
67.5°	145.3	146.1	144.9	144.2	142.7	141.9	141.1	137.7	136.1	132.3	128.5
70°	120.5	119.7	119.0	119.0	117.4	116.2	115.9	112.0	110.1	107.0	102.9
72.5°	97.1	96.4	95.6	94.4	93.3	93.0	90.6	88.3	86.1	82.2	79.2
75°	74.1	73.8	73.1	72.2	70.3	69.6	69.2	66.5	62.3	59.2	56.6
77.5°	53.5	53.9	52.4	50.9	49.7	48.5	47.8	45.5	42.8	39.3	36.7
80°	33.6	34.1	33.6	32.5	31.0	30.6	29.4	27.9	25.6	23.4	21.4
82.5°	18.0	18.0	17.6	17.2	16.1	16.1	15.3	14.2	13.0	11.8	10.4
85°	6.9	6.9	6.5	6.1	5.7	5.7	5.4	5.0	4.2	3.8	3.1
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6
2.5°	1152.6	1153.0	1153.5	1153.8	1153.8	1153.8	1154.2	1154.6	1154.6	1154.9	1155.4
5°	1141.2	1141.6	1142.7	1143.1	1143.8	1143.5	1144.7	1145.7	1146.6	1147.3	1148.5
7.5°	1128.2	1129.3	1130.8	1132.0	1132.4	1132.7	1133.9	1135.5	1136.6	1138.1	1139.3
10°	1117.5	1118.7	1120.1	1121.7	1121.7	1122.5	1123.2	1124.4	1125.5	1126.7	1128.2
12.5°	1105.7	1107.1	1107.6	1108.3	1108.3	1108.7	1109.5	1109.8	1110.9	1111.4	1113.7
15°	1091.5	1091.5	1091.5	1091.5	1091.5	1091.1	1090.3	1091.1	1091.1	1092.2	1093.4
17.5°	1072.0	1072.0	1069.7	1068.5	1069.0	1066.9	1066.6	1065.0	1065.0	1065.0	1066.2
20°	1046.3	1042.9	1040.2	1036.8	1035.2	1034.5	1033.7	1030.2	1029.9	1029.9	1029.9
22.5°	1010.0	1006.2	1002.3	999.7	995.4	994.0	992.4	990.2	987.4	985.9	989.3
25°	965.6	961.1	956.4	951.1	950.0	948.1	944.3	941.9	940.8	939.3	940.0
27.5°	918.7	912.1	907.1	901.7	899.8	897.6	894.1	890.7	886.8	887.7	887.7
30°	864.7	857.0	851.7	845.2	844.8	842.5	839.4	835.2	832.1	832.1	834.0
32.5°	806.1	800.8	795.9	788.6	787.4	785.9	783.6	779.8	777.5	775.2	776.7
35°	746.9	738.4	735.1	730.4	730.8	726.6	723.2	720.9	721.3	719.0	720.1
37.5°	683.0	678.0	673.1	671.2	669.3	666.9	665.5	663.9	663.1	663.1	662.4
40°	618.4	615.8	613.4	612.7	609.2	609.9	609.6	608.5	606.1	605.4	607.7
42.5°	557.6	554.9	553.8	551.9	551.5	550.3	550.3	549.2	548.8	549.2	548.8
45°	494.9	494.4	491.8	491.8	493.4	492.2	489.2	491.1	491.1	489.9	492.2
47.5°	437.1	437.5	436.0	432.9	432.9	431.0	428.7	430.7	431.7	429.8	431.0
50°	384.8	382.4	379.4	377.0	378.2	377.5	375.6	374.0	372.9	373.2	374.8
52.5°	335.1	333.9	330.4	327.8	327.0	327.3	325.1	322.8	323.1	322.8	322.0
55°	290.3	290.3	285.7	284.5	281.4	281.4	278.4	278.1	276.9	276.9	275.0
57.5°	251.6	248.2	245.5	242.8	241.7	240.2	239.0	236.4	235.2	232.9	232.5
60°	216.1	211.8	209.9	206.9	204.7	203.1	201.2	198.8	197.4	195.5	193.1
62.5°	184.3	179.7	175.9	172.8	170.9	170.6	167.5	164.8	161.8	159.5	155.7
65°	152.6	149.9	145.7	141.5	140.8	138.9	135.8	132.7	128.9	125.4	123.1
67.5°	124.7	121.2	117.4	115.1	112.4	110.9	107.5	102.9	98.7	95.2	91.1
70°	99.8	94.9	91.4	87.6	86.8	83.3	80.3	75.7	71.9	67.3	61.2
72.5°	75.0	70.0	67.3	63.5	61.2	59.2	55.1	50.9	44.7	41.4	36.0
75°	52.8	48.5	44.7	40.9	39.3	36.7	33.3	28.7	24.9	21.4	17.6
77.5°	32.9	30.2	26.8	23.7	22.2	20.6	18.0	14.5	11.8	9.2	6.9
80°	18.7	16.4	14.2	11.8	11.1	10.4	8.0	6.1	5.0	3.5	2.3
82.5°	8.8	7.3	6.1	5.0	4.5	3.8	2.6	1.9	1.2	0.7	0.4
85°	2.6	1.9	1.5	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°	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6
2.5°	1155.4	1155.7	1156.1	1156.1	1156.1	1156.5	1156.5	1157.3	1157.6	1158.0	1158.0
5°	1149.2	1150.4	1151.1	1151.6	1151.9	1153.0	1153.5	1154.6	1155.4	1156.1	1156.8
7.5°	1140.8	1141.9	1143.5	1144.3	1145.0	1146.6	1147.6	1149.6	1150.7	1152.3	1153.8
10°	1130.1	1131.7	1133.9	1134.7	1135.5	1137.4	1139.7	1141.9	1143.8	1146.2	1148.1
12.5°	1114.4	1116.8	1119.4	1120.1	1121.3	1123.9	1126.7	1130.1	1132.7	1135.8	1138.9
15°	1094.9	1097.9	1099.8	1100.7	1102.2	1106.0	1108.7	1112.5	1116.8	1121.3	1124.8
17.5°	1067.8	1069.3	1072.8	1074.2	1076.1	1079.9	1084.2	1088.8	1092.6	1097.6	1102.9
20°	1032.1	1034.5	1038.7	1040.2	1042.5	1046.0	1052.0	1055.9	1062.0	1068.1	1072.0
22.5°	987.8	992.1	996.3	998.2	999.7	1003.9	1008.1	1014.6	1019.6	1028.0	1033.0
25°	941.9	943.1	946.5	950.0	950.7	956.1	961.1	968.7	973.7	979.1	985.9
27.5°	889.2	890.7	896.0	896.8	897.2	902.9	908.6	914.7	919.0	925.1	928.6
30°	834.0	836.8	839.0	840.6	843.3	845.9	851.3	858.9	862.0	867.4	871.9
32.5°	777.9	777.9	783.2	783.6	785.2	791.2	794.3	798.9	804.2	808.5	808.0
35°	722.0	723.5	725.4	728.2	729.3	733.2	734.3	737.7	741.2	744.3	748.1
37.5°	664.3	664.3	668.5	670.4	671.6	673.5	675.4	678.8	680.7	681.9	684.2
40°	609.2	610.8	611.5	612.3	612.3	614.9	616.5	619.1	620.3	623.4	621.9
42.5°	553.4	552.6	553.0	554.9	555.3	556.8	558.0	559.5	561.1	560.2	563.0
45°	494.1	494.4	495.3	495.3	496.5	498.4	500.3	501.0	502.2	504.1	504.4
47.5°	432.1	434.1	432.9	436.0	436.7	437.1	441.7	442.1	445.9	446.6	446.6
50°	374.4	374.4	376.7	377.9	378.6	379.8	381.3	382.9	383.9	386.7	387.4
52.5°	322.4	323.1	323.1	322.0	323.1	323.1	327.0	327.3	327.0	327.8	328.9
55°	275.7	276.1	273.8	275.3	275.0	273.8	274.6	272.3	271.9	273.1	272.3
57.5°	231.0	229.5	229.1	227.2	227.2	225.3	223.4	223.4	221.8	219.1	218.7
60°	190.8	188.6	187.0	185.8	182.8	180.9	178.2	175.9	172.8	169.4	167.5
62.5°	152.9	150.3	147.2	145.7	143.4	138.9	135.4	132.0	126.9	124.0	120.9
65°	119.3	115.1	110.1	107.9	105.6	101.3	96.8	91.1	86.1	81.9	76.5
67.5°	86.4	81.9	76.9	73.4	71.2	66.2	60.8	55.8	50.1	45.5	42.8
70°	56.6	50.9	46.3	43.6	41.4	36.4	31.4	27.2	24.4	23.4	23.0
72.5°	32.2	26.4	23.0	20.3	18.4	14.9	12.3	10.7	9.9	9.5	8.8
75°	13.7	10.4	8.0	6.5	5.7	4.5	4.2	4.2	4.2	3.8	3.8
77.5°	5.0	3.5	2.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
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



TEST NUMBER: P844204

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B30 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6
2.5°	1158.4	1159.2	1159.2	1159.6	1159.9	1159.9	1159.9	1159.9
5°	1157.6	1158.4	1158.7	1159.2	1159.6	1159.9	1159.9	1159.9
7.5°	1154.6	1156.1	1156.5	1157.3	1158.0	1158.4	1158.4	1158.7
10°	1150.0	1151.6	1152.6	1153.5	1154.2	1154.9	1155.7	1155.7
12.5°	1141.6	1143.8	1145.4	1146.2	1148.1	1148.8	1149.6	1150.4
15°	1127.8	1130.8	1132.7	1134.3	1135.8	1138.1	1138.5	1139.7
17.5°	1107.1	1111.4	1112.1	1114.4	1116.3	1120.1	1119.7	1120.1
20°	1077.3	1082.0	1083.4	1085.8	1088.8	1091.5	1093.8	1091.9
22.5°	1037.5	1042.9	1045.2	1047.5	1049.4	1051.7	1054.8	1055.1
25°	990.5	995.1	997.0	998.5	1002.3	1004.2	1007.3	1007.7
27.5°	936.5	939.3	941.9	942.7	946.9	948.1	950.7	950.7
30°	875.4	878.5	881.5	882.7	883.8	884.9	886.8	888.0
32.5°	812.7	815.8	816.9	818.8	819.1	821.0	820.3	823.4
35°	750.0	750.7	751.9	751.4	754.2	753.8	756.8	756.4
37.5°	686.8	686.1	688.0	689.9	689.2	688.4	689.6	687.6
40°	623.8	624.1	624.5	626.4	624.5	625.7	624.8	624.5
42.5°	564.9	564.9	562.6	564.9	563.3	562.6	564.1	561.8
45°	505.2	504.8	505.2	505.5	505.5	505.5	504.1	505.5
47.5°	448.6	449.0	447.5	450.1	449.4	447.8	447.8	446.6
50°	388.6	390.8	393.5	391.2	393.1	392.0	390.8	392.0
52.5°	331.6	333.0	331.1	331.6	335.8	335.8	333.5	333.0
55°	270.8	270.8	271.5	271.9	272.3	277.3	274.6	275.3
57.5°	216.5	216.5	215.3	217.6	216.1	214.2	216.1	211.1
60°	164.5	164.0	162.9	161.4	157.6	156.4	152.2	151.9
62.5°	117.0	112.8	111.3	108.2	104.1	102.9	98.7	98.3
65°	72.7	67.7	66.2	64.6	62.7	62.3	60.8	61.6
67.5°	41.4	40.5	40.2	39.0	38.3	37.4	37.4	37.1
70°	21.8	20.3	19.9	19.5	19.5	18.0	17.6	18.4
72.5°	8.5	7.6	7.6	7.6	7.3	7.3	7.3	7.3
75°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4
87.5°	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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)