

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: P844253

Luminaire Tested: **LD6C25DE010B50 EU6C25B50 6LBLDWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844253
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: LD6C25DE010B50 EU6C25B50 6LBLDWLI
Description:
Light Source: -
Ballast/Driver:

Summary

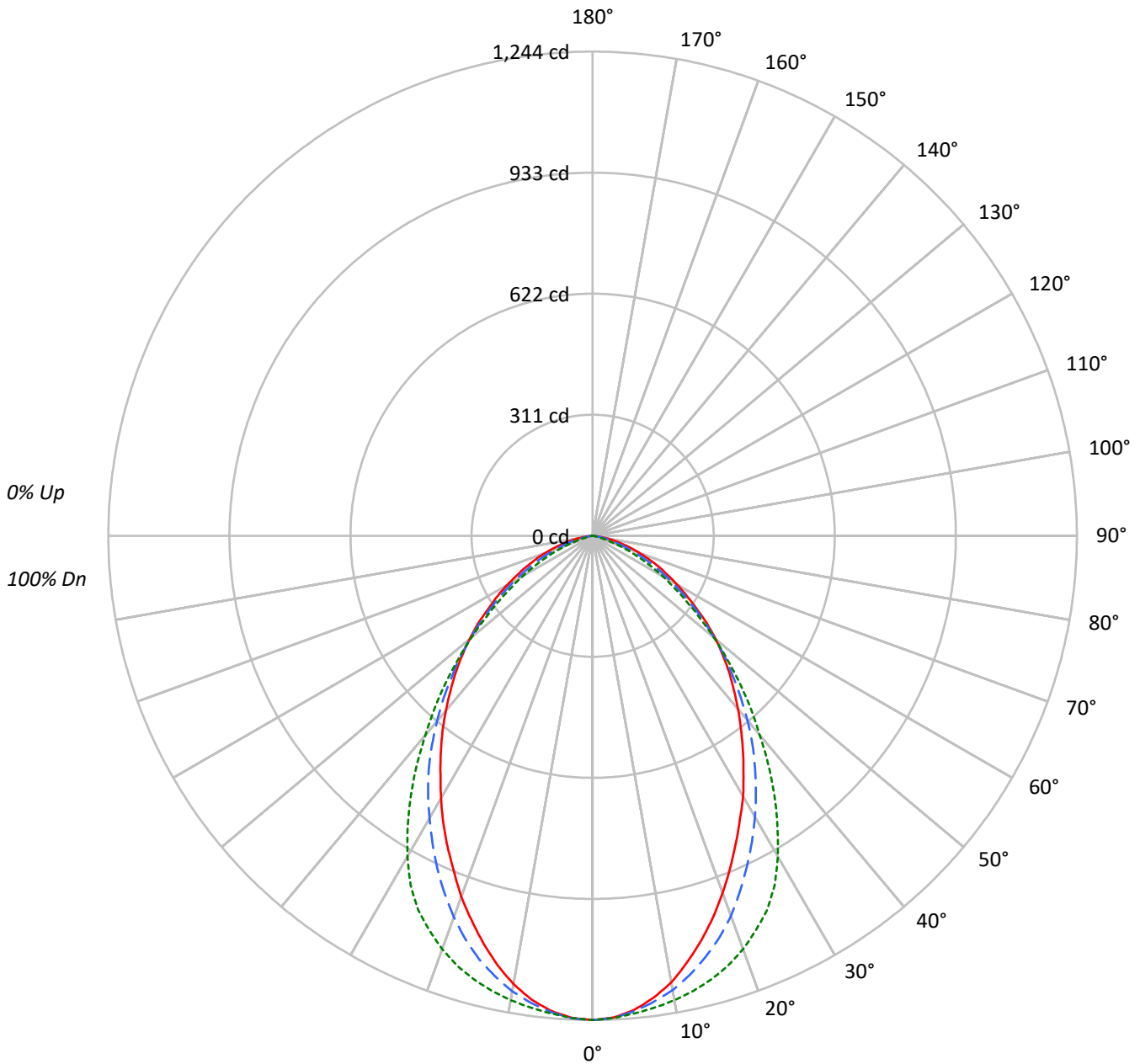
Lumens per Lamp: N/A
Luminaire Lumens: 2227.4 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	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°	68213	68213	68213
5°	67312	67785	67428
10°	64851	67439	65101
15°	61118	66964	61521
20°	56962	65928	57568
25°	52678	64159	53301
30°	48919	60224	49261
35°	45019	54475	45521
40°	41599	47782	41986
45°	38423	41291	38554
50°	35154	34617	35112
55°	31053	28271	31177
60°	27421	22685	27827
65°	24140	16876	24309
70°	20308	10595	20853
75°	16097	4490	16563
80°	10765	1042	11555
85°	4466	252	5284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	5.2
10°-20°	316.4	14.2
20°-30°	436.8	19.6
30°-40°	459.5	20.6
40°-50°	395.7	17.8
50°-60°	281.7	12.6
60°-70°	158.8	7.1
70°-80°	56.3	2.5
80°-90°	6.3	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°	869.1	39.0
0°-40°	1328.5	59.6
0°-60°	2005.9	90.1
0°-90°	2227.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2227.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1244	1244	1244	1244	1244	
5°	1223	1226	1232	1228	1225	115
15°	1077	1121	1180	1126	1084	302
25°	871	938	1061	944	881	401
35°	673	727	814	734	680	421
45°	496	510	533	511	497	382
55°	325	314	296	314	326	293
65°	186	160	130	161	187	184
75°	76	51	21	52	78	82
85°	7	3	0	3	8	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°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1238.9	1239.3	1239.3	1239.8	1239.3	1239.3	1239.8	1239.8	1239.3	1239.8	1239.8
5°	1223.2	1222.7	1223.2	1223.6	1224.8	1224.8	1224.4	1224.4	1225.7	1225.3	1226.0
7.5°	1197.3	1197.3	1198.6	1199.5	1199.5	1199.9	1200.7	1202.4	1204.0	1204.4	1207.4
10°	1165.0	1165.4	1165.0	1166.7	1167.9	1170.0	1169.5	1172.5	1175.3	1179.6	1185.0
12.5°	1122.1	1123.4	1126.0	1126.0	1129.7	1131.8	1131.4	1138.0	1143.4	1148.4	1155.0
15°	1076.9	1076.5	1078.6	1081.9	1085.7	1088.5	1089.8	1098.5	1104.0	1112.2	1120.6
17.5°	1028.3	1027.1	1030.3	1032.5	1038.7	1042.4	1044.9	1052.3	1061.1	1071.1	1082.3
20°	976.4	978.4	979.3	982.2	990.5	993.4	997.6	1005.8	1014.6	1026.2	1039.1
22.5°	923.2	926.1	927.8	931.5	938.1	940.7	944.8	956.8	966.4	976.7	988.8
25°	870.9	874.1	877.1	881.6	886.2	889.9	895.4	903.6	914.4	924.1	937.7
27.5°	819.8	822.6	823.5	828.9	834.3	839.2	842.2	852.1	861.2	872.9	886.2
30°	772.8	771.1	773.2	777.8	784.0	787.3	792.3	798.9	808.9	820.2	833.8
32.5°	721.3	721.3	724.6	730.0	734.9	737.5	739.1	748.3	758.2	769.0	780.2
35°	672.7	674.3	677.2	680.6	686.0	688.0	691.8	698.5	706.3	718.3	726.7
37.5°	625.7	627.0	629.8	633.2	637.3	641.5	643.1	650.2	656.1	666.0	673.9
40°	581.3	581.7	585.0	586.2	589.9	591.6	594.9	598.7	607.0	611.2	618.6
42.5°	536.3	538.4	539.7	542.6	543.0	546.4	548.0	549.2	555.9	558.4	562.6
45°	495.6	495.6	496.9	496.9	499.0	497.7	500.3	502.7	503.1	507.2	509.8
47.5°	453.3	452.0	453.7	453.3	452.9	452.9	453.7	454.1	455.3	458.3	459.5
50°	412.2	409.2	409.2	408.8	408.5	409.6	409.6	409.2	409.2	410.5	409.2
52.5°	370.2	369.3	367.3	365.6	364.8	364.8	364.8	363.1	363.1	362.3	359.4
55°	324.9	326.2	325.3	324.5	324.1	322.8	322.8	320.8	317.4	315.8	314.1
57.5°	285.9	287.5	287.5	285.9	283.8	282.9	280.9	279.6	276.7	273.8	270.4
60°	250.1	252.1	249.3	248.0	247.6	246.3	245.6	240.9	238.1	235.1	231.4
62.5°	216.1	216.9	214.8	213.5	212.3	211.1	210.7	206.9	201.9	198.2	193.7
65°	186.1	184.9	184.0	182.0	179.9	178.2	178.2	173.2	168.7	164.1	159.5
67.5°	154.9	155.8	154.5	152.9	149.5	147.9	145.4	142.0	137.9	133.4	128.0
70°	126.7	126.3	125.0	123.4	121.3	118.5	116.3	114.6	108.8	103.4	98.9
72.5°	101.0	100.6	99.3	97.2	94.3	93.1	91.4	87.3	82.7	78.2	73.1
75°	76.0	76.5	74.4	73.5	70.2	69.0	68.5	63.6	59.9	55.6	51.1
77.5°	54.5	54.5	52.4	50.7	49.1	48.2	46.5	43.6	40.7	36.6	32.8
80°	34.1	34.1	34.1	32.4	30.8	29.9	28.7	26.5	23.7	21.2	18.7
82.5°	18.3	18.3	17.5	17.0	16.2	15.3	14.9	14.2	12.1	10.8	9.1
85°	7.1	7.1	6.7	6.7	5.8	5.8	5.4	5.0	4.1	3.7	3.3
87.5°	0.8	0.8	0.8	0.8	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°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1240.2	1240.2	1239.8	1240.2	1240.2	1240.2	1240.2	1240.2	1240.2	1240.2	1240.6
5°	1226.9	1228.1	1228.5	1229.0	1229.8	1230.2	1230.7	1231.1	1231.5	1231.8	1231.8
7.5°	1209.8	1212.8	1214.8	1216.9	1217.8	1218.6	1219.9	1221.5	1222.7	1222.7	1222.3
10°	1189.5	1193.2	1197.3	1201.2	1202.4	1204.4	1206.5	1209.0	1211.1	1211.5	1211.5
12.5°	1162.9	1167.1	1174.5	1180.7	1183.3	1186.1	1190.4	1194.1	1196.2	1197.3	1197.0
15°	1129.7	1138.4	1148.8	1155.9	1159.2	1164.1	1170.8	1174.9	1178.3	1179.9	1179.2
17.5°	1093.5	1104.7	1115.9	1125.5	1130.1	1135.1	1144.3	1151.7	1156.6	1157.9	1157.1
20°	1052.3	1064.8	1076.9	1088.9	1095.2	1101.0	1110.5	1120.1	1128.4	1130.1	1128.8
22.5°	1003.4	1017.4	1032.0	1045.8	1052.8	1058.2	1071.9	1082.7	1092.3	1096.4	1093.5
25°	952.7	967.6	983.0	995.0	1003.0	1012.0	1024.5	1037.0	1048.6	1060.7	1049.9
27.5°	898.7	912.4	928.6	945.2	952.7	959.4	972.2	988.0	1000.0	1012.0	1000.0
30°	844.6	862.1	876.7	891.2	899.5	907.3	920.2	933.2	944.8	951.4	943.9
32.5°	794.0	806.9	821.4	835.5	841.3	847.6	858.4	870.4	881.6	883.8	878.7
35°	740.8	752.0	764.0	773.2	780.2	786.9	796.5	803.9	806.9	814.0	808.9
37.5°	680.6	690.5	701.3	708.0	714.2	719.6	726.7	733.3	735.8	741.2	737.5
40°	623.6	631.9	638.2	645.3	648.5	653.9	656.9	662.3	665.1	667.7	668.1
42.5°	568.8	573.3	577.9	582.9	584.1	585.4	592.5	596.2	599.1	600.7	598.3
45°	512.7	517.3	518.9	522.7	524.7	525.5	528.5	528.9	529.8	532.6	531.4
47.5°	461.6	462.0	463.2	464.9	465.8	465.8	467.4	465.8	466.6	466.9	467.8
50°	408.0	410.9	408.0	409.6	410.0	409.6	408.5	407.6	406.3	405.9	405.5
52.5°	357.3	357.7	356.1	354.8	353.6	354.0	350.7	349.0	349.4	346.9	349.9
55°	311.2	309.6	305.8	304.5	301.6	301.2	300.8	298.7	295.4	295.8	296.7
57.5°	266.7	263.8	260.1	258.0	257.2	253.8	253.4	250.1	248.0	247.6	247.6
60°	226.4	223.9	220.2	216.5	213.5	211.8	209.8	206.5	207.3	206.9	204.9
62.5°	188.3	185.3	179.9	175.8	174.1	172.8	170.0	167.4	166.2	167.4	166.2
65°	154.1	149.5	143.3	139.2	138.8	137.1	133.8	132.1	130.8	130.1	131.3
67.5°	122.6	116.3	112.6	107.2	104.7	103.9	99.3	96.8	97.2	96.8	97.2
70°	93.5	87.3	82.3	78.2	74.8	73.5	71.1	67.7	67.3	66.1	67.7
72.5°	67.7	62.3	57.7	53.2	50.2	48.7	45.3	42.0	41.1	40.3	40.3
75°	46.5	42.0	37.0	32.8	30.8	29.1	25.8	23.3	21.2	21.2	21.2
77.5°	29.1	25.4	21.6	18.7	17.5	15.8	12.9	10.4	9.5	8.4	8.7
80°	16.6	13.7	11.6	9.5	8.4	7.5	5.8	4.5	3.3	3.3	3.3
82.5°	7.9	6.7	5.0	4.1	3.7	2.9	2.1	1.7	1.3	0.8	0.8
85°	2.5	2.1	1.7	1.3	0.8	0.8	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°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1240.2	1240.6	1240.2	1240.6	1240.2	1241.0	1241.0	1240.6	1240.6	1240.6	1240.2
5°	1231.5	1231.5	1231.1	1231.1	1231.1	1230.7	1229.4	1229.4	1228.5	1228.1	1227.3
7.5°	1221.9	1221.0	1219.9	1219.5	1218.2	1216.9	1214.5	1212.4	1210.7	1208.7	1206.5
10°	1210.3	1208.2	1205.7	1204.0	1203.2	1200.3	1196.6	1191.5	1188.3	1184.5	1180.3
12.5°	1195.3	1192.8	1188.3	1185.0	1182.9	1177.5	1172.1	1165.8	1159.2	1152.5	1148.4
15°	1175.8	1171.6	1165.8	1162.4	1158.7	1151.2	1141.7	1133.0	1126.4	1118.9	1108.9
17.5°	1152.9	1146.7	1138.9	1133.4	1128.8	1118.9	1107.7	1096.4	1086.5	1077.3	1067.4
20°	1121.4	1113.9	1104.3	1097.3	1092.7	1079.8	1067.8	1054.5	1042.4	1031.6	1020.0
22.5°	1084.4	1071.9	1062.4	1054.0	1049.1	1034.6	1021.3	1007.1	994.2	984.7	972.2
25°	1037.9	1025.8	1013.7	1007.1	999.3	983.8	970.2	955.6	943.5	931.5	919.8
27.5°	988.4	974.3	961.0	953.1	946.1	931.0	917.4	904.1	890.3	877.1	866.6
30°	934.4	920.2	909.9	899.9	892.0	880.0	862.9	849.6	837.6	825.6	814.7
32.5°	874.1	862.5	850.0	845.0	839.2	824.7	811.4	798.5	786.5	774.4	763.2
35°	804.3	795.2	787.7	782.3	778.6	765.7	755.4	741.6	734.1	722.0	713.8
37.5°	732.9	728.3	723.3	716.7	711.3	703.9	697.6	686.4	677.6	669.0	659.8
40°	664.3	659.3	652.7	649.4	648.1	641.5	632.8	627.0	622.0	614.1	609.1
42.5°	597.5	594.9	588.4	586.7	585.0	579.2	575.0	570.1	566.7	560.9	558.4
45°	529.3	528.9	527.2	525.5	524.7	520.6	519.7	513.5	510.6	509.4	506.9
47.5°	469.1	467.8	465.4	467.8	464.1	463.7	463.7	462.4	461.1	457.8	457.4
50°	407.6	409.6	410.0	408.8	411.3	410.9	408.8	409.2	410.0	411.7	409.2
52.5°	351.0	352.7	355.7	354.4	356.5	358.5	357.7	361.1	359.8	361.5	364.8
55°	297.5	302.1	304.9	303.8	305.3	307.9	308.7	311.6	314.1	317.0	319.1
57.5°	251.4	252.6	256.8	258.0	258.4	260.5	264.6	269.3	272.1	274.2	276.3
60°	206.0	210.3	213.1	213.1	216.5	219.4	223.2	227.3	230.6	235.5	239.3
62.5°	167.8	168.7	172.8	173.2	175.8	180.7	183.6	189.8	194.1	199.5	204.4
65°	130.8	134.6	137.1	137.5	141.3	145.0	149.1	154.9	160.8	165.3	170.0
67.5°	98.0	100.2	103.4	106.4	107.2	112.6	118.9	124.3	129.2	133.4	139.2
70°	68.5	70.2	74.8	76.5	78.9	83.1	88.1	93.9	99.7	105.6	110.1
72.5°	42.0	45.7	48.7	51.1	53.2	58.2	63.6	68.5	73.5	78.5	84.3
75°	23.3	25.8	29.1	31.6	33.6	37.4	42.4	47.4	51.9	56.5	60.7
77.5°	10.4	12.9	15.8	17.5	19.1	22.4	26.1	30.4	34.1	37.4	41.1
80°	4.1	5.8	7.5	8.7	9.5	11.6	14.5	16.6	19.1	22.0	25.0
82.5°	1.7	2.1	2.9	3.7	4.1	5.4	6.7	7.9	9.9	11.2	12.9
85°	0.4	0.4	0.8	0.8	1.3	1.7	2.1	2.9	3.3	3.7	4.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
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: P844253

CATALOG NUMBER: LD6C25DE010B50 EU6C25B50 6LBDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3
2.5°	1240.2	1239.8	1239.8	1239.8	1239.8	1239.3	1239.3	1239.3
5°	1227.7	1226.9	1226.4	1226.4	1225.3	1225.7	1225.7	1225.3
7.5°	1205.7	1204.9	1203.6	1204.4	1204.0	1202.8	1202.4	1202.0
10°	1177.0	1175.3	1174.9	1172.9	1171.6	1171.2	1171.2	1169.5
12.5°	1143.0	1138.4	1138.0	1135.9	1133.0	1131.4	1132.2	1129.7
15°	1105.1	1098.5	1095.2	1093.5	1090.2	1087.2	1084.8	1084.0
17.5°	1059.0	1051.6	1049.1	1047.4	1040.4	1040.0	1036.6	1035.3
20°	1010.9	1004.2	1000.4	998.0	992.6	987.6	987.2	986.8
22.5°	963.9	953.1	949.8	946.1	940.2	936.1	933.6	931.5
25°	910.7	902.0	896.1	892.4	888.3	884.9	881.6	881.2
27.5°	857.5	849.3	845.5	842.2	836.8	833.0	829.7	831.4
30°	805.6	797.2	793.1	790.7	785.3	783.2	777.4	778.2
32.5°	754.1	746.6	743.7	738.8	733.7	731.2	729.1	727.5
35°	704.6	698.5	694.2	691.0	686.4	682.2	680.2	680.2
37.5°	654.4	648.1	646.1	643.6	639.4	633.6	631.5	633.2
40°	603.3	598.7	596.6	594.9	590.8	588.7	586.7	586.7
42.5°	554.6	550.1	549.7	548.0	544.7	543.4	541.8	540.6
45°	504.0	501.8	500.3	500.3	499.8	499.4	498.1	497.3
47.5°	455.3	455.7	455.0	454.6	455.0	453.7	455.3	454.1
50°	410.9	410.0	410.9	410.0	410.5	412.2	410.5	411.7
52.5°	363.5	367.3	367.7	366.0	367.7	368.9	369.7	371.9
55°	321.6	322.8	323.6	325.3	326.2	328.6	326.2	326.2
57.5°	280.9	282.9	283.8	285.0	288.3	287.0	289.2	290.8
60°	243.9	246.3	248.0	249.3	250.6	253.4	254.3	253.8
62.5°	207.7	211.5	211.8	215.2	216.1	218.1	219.8	218.1
65°	174.1	177.4	179.9	182.0	184.5	186.6	186.1	187.4
67.5°	143.3	147.5	149.5	150.4	153.7	154.5	156.6	157.9
70°	115.5	118.5	120.9	122.2	124.3	126.7	128.8	130.1
72.5°	88.1	92.6	95.2	95.9	99.3	101.0	101.7	103.0
75°	65.3	69.0	70.2	72.3	73.9	77.7	77.3	78.2
77.5°	45.3	47.8	50.2	50.2	53.2	54.0	56.1	56.5
80°	27.0	29.9	31.2	31.6	33.6	34.9	35.7	36.6
82.5°	14.2	16.2	16.2	17.0	18.7	18.7	19.1	20.0
85°	5.4	6.2	6.7	6.7	7.1	7.9	7.9	8.4
87.5°	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3
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)