

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: P844255

Luminaire Tested: **LD6C25DE010B50 EU6C25B50 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844255
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: LD6C25DE010B50 EU6C25B50 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

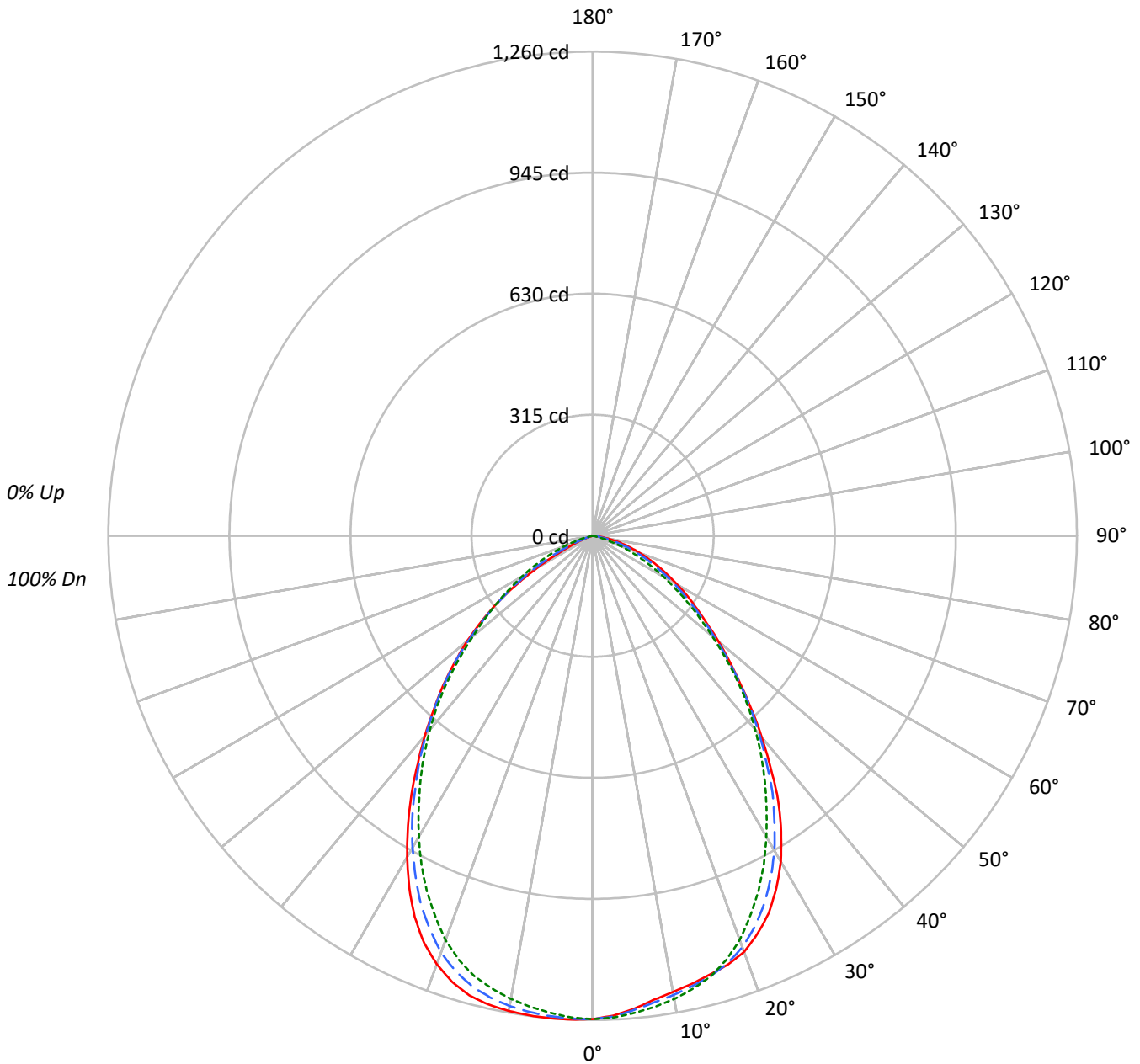
Lumens per Lamp: N/A
Luminaire Lumens: 2313.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					20					
RC	80					70					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°	68947	68947	68947
5°	67995	68594	69348
10°	67100	68135	69894
15°	67066	67350	70273
20°	67218	65275	69201
25°	65568	61721	66228
30°	61991	57230	61073
35°	56363	52280	55004
40°	48999	47067	48555
45°	42004	41260	42578
50°	36434	34583	36323
55°	31607	28749	28596
60°	27827	23277	18091
65°	24425	17680	8665
70°	20965	11717	3206
75°	17072	4935	868
80°	11555	1168	410
85°	4717	252	252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	5.1
10°-20°	337.4	14.6
20°-30°	483.5	20.9
30°-40°	503.9	21.8
40°-50°	417.5	18.0
50°-60°	276.7	12.0
60°-70°	134.0	5.8
70°-80°	37.9	1.6
80°-90°	3.7	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°	939.4	40.6
0°-40°	1443.2	62.4
0°-60°	2137.4	92.4
0°-90°	2313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2313.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1258	1258	1258	1258	1258	
5°	1236	1239	1246	1255	1260	117
15°	1182	1186	1187	1213	1238	334
25°	1084	1057	1020	1058	1095	496
35°	842	816	781	805	822	522
45°	542	540	532	546	549	421
55°	331	320	301	295	299	299
65°	188	170	136	94	67	187
75°	81	61	23	4	4	86
85°	8	3	0	0	0	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°	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7
2.5°	1249.8	1250.2	1251.1	1250.2	1250.7	1251.1	1251.1	1251.5	1251.5	1251.9	1252.3
5°	1235.6	1236.9	1236.9	1236.9	1236.9	1237.3	1237.7	1237.7	1237.3	1237.3	1239.0
7.5°	1217.8	1219.0	1218.6	1219.0	1219.5	1220.7	1220.3	1221.1	1222.0	1223.3	1224.8
10°	1205.4	1205.8	1205.4	1206.5	1207.4	1208.2	1208.2	1209.1	1209.9	1211.2	1213.2
12.5°	1194.2	1194.5	1194.9	1195.8	1196.6	1196.2	1197.0	1197.9	1198.3	1199.1	1200.3
15°	1181.7	1183.7	1183.3	1183.7	1184.1	1184.5	1185.0	1185.4	1185.0	1185.0	1185.8
17.5°	1170.1	1170.5	1170.9	1170.9	1170.9	1170.9	1170.1	1170.1	1168.8	1167.5	1166.7
20°	1152.2	1151.8	1150.9	1150.9	1149.2	1149.6	1148.0	1147.2	1145.1	1142.1	1139.3
22.5°	1121.0	1123.1	1122.3	1119.3	1117.7	1117.7	1116.0	1112.3	1108.9	1105.7	1101.8
25°	1084.0	1083.2	1082.0	1080.3	1077.8	1076.1	1073.6	1071.2	1065.8	1060.0	1056.6
27.5°	1034.6	1035.8	1032.9	1030.5	1029.2	1026.6	1024.2	1020.8	1014.2	1009.2	1003.4
30°	979.3	978.5	978.1	974.7	971.4	972.3	967.3	963.5	958.5	950.2	945.6
32.5°	912.8	914.1	911.6	911.2	904.9	904.1	904.1	898.2	894.1	886.2	880.1
35°	842.2	841.3	840.5	837.6	837.2	834.7	832.7	828.4	823.1	820.6	815.6
37.5°	760.8	761.2	761.6	761.6	759.9	758.3	756.6	756.6	749.1	747.9	742.0
40°	684.7	686.0	685.6	682.7	683.0	683.4	683.0	682.7	678.0	676.5	675.6
42.5°	610.8	612.9	610.8	610.4	610.8	610.8	609.9	611.2	609.1	610.8	607.1
45°	541.8	543.4	542.2	541.8	541.0	543.1	540.6	542.7	541.4	539.3	540.1
47.5°	482.4	480.7	482.4	481.5	480.3	478.7	481.1	479.8	477.0	476.6	477.4
50°	427.2	426.3	427.2	426.8	424.6	424.6	424.2	423.4	422.5	420.1	418.4
52.5°	374.4	377.3	375.1	377.3	374.4	373.1	373.6	372.3	370.6	369.7	366.5
55°	330.7	331.1	331.1	331.1	329.5	328.6	327.9	327.0	327.0	323.2	319.9
57.5°	293.0	292.1	291.7	290.4	289.6	288.7	287.9	285.5	282.9	279.6	277.1
60°	253.8	254.7	254.7	253.0	251.8	250.6	250.1	248.4	245.6	242.2	238.5
62.5°	220.2	221.0	218.9	218.9	216.5	216.1	216.1	213.5	210.3	206.5	202.3
65°	188.3	187.8	188.7	185.7	186.1	183.6	182.9	181.6	178.2	173.7	170.0
67.5°	157.9	158.8	157.5	156.6	154.9	154.1	153.4	149.5	148.0	143.7	139.6
70°	130.8	130.1	129.2	129.2	127.6	126.3	125.9	121.7	119.6	116.3	111.8
72.5°	105.6	104.7	103.9	102.6	101.4	101.0	98.5	95.9	93.5	89.4	86.0
75°	80.6	80.2	79.3	78.5	76.5	75.6	75.2	72.3	67.7	64.4	61.4
77.5°	58.2	58.6	56.9	55.2	54.0	52.8	51.9	49.4	46.5	42.8	39.9
80°	36.6	37.0	36.6	35.3	33.6	33.2	31.9	30.4	27.8	25.4	23.3
82.5°	19.6	19.6	19.1	18.7	17.5	17.5	16.6	15.3	14.2	12.9	11.2
85°	7.5	7.5	7.1	6.7	6.2	6.2	5.8	5.4	4.5	4.1	3.3
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°	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7
2.5°	1252.3	1252.7	1253.1	1253.5	1253.5	1253.5	1253.9	1254.4	1254.4	1254.8	1255.2
5°	1239.9	1240.3	1241.5	1241.9	1242.7	1242.3	1243.6	1244.8	1245.7	1246.5	1247.7
7.5°	1225.7	1227.0	1228.7	1229.8	1230.2	1230.7	1231.9	1233.6	1234.9	1236.5	1237.7
10°	1214.1	1215.3	1217.0	1218.6	1218.6	1219.5	1220.3	1221.6	1222.8	1224.0	1225.7
12.5°	1201.2	1202.8	1203.3	1204.1	1204.1	1204.5	1205.4	1205.8	1207.0	1207.4	1209.9
15°	1185.8	1185.8	1185.8	1185.8	1185.8	1185.4	1184.5	1185.4	1185.4	1186.7	1187.9
17.5°	1164.7	1164.7	1162.1	1160.9	1161.3	1159.3	1158.8	1157.2	1157.2	1157.2	1158.4
20°	1136.7	1133.0	1130.2	1126.4	1124.7	1123.9	1123.1	1119.3	1118.9	1118.9	1118.9
22.5°	1097.3	1093.2	1089.0	1086.1	1081.5	1079.8	1078.2	1075.7	1072.8	1071.2	1074.9
25°	1049.1	1044.1	1039.1	1033.3	1032.0	1030.0	1025.8	1023.4	1022.1	1020.4	1021.3
27.5°	998.0	990.9	985.5	979.7	977.7	975.1	971.4	967.6	963.5	964.4	964.4
30°	939.4	931.1	925.3	918.2	917.8	915.3	912.0	907.4	904.1	904.1	906.2
32.5°	875.8	870.0	864.6	856.8	855.5	853.8	851.4	847.2	844.7	842.2	843.9
35°	811.4	802.3	798.6	793.5	794.0	789.4	785.7	783.2	783.6	781.2	782.3
37.5°	742.0	736.6	731.2	729.2	727.1	724.6	723.0	721.3	720.5	720.5	719.6
40°	671.8	669.0	666.4	665.6	661.9	662.7	662.3	661.0	658.6	657.7	660.2
42.5°	605.8	602.9	601.6	599.6	599.1	597.9	597.9	596.6	596.2	596.6	596.2
45°	537.6	537.3	534.3	534.3	536.0	534.7	531.5	533.5	533.5	532.2	534.7
47.5°	474.9	475.3	473.6	470.3	470.3	468.2	465.8	467.8	469.1	467.1	468.2
50°	418.0	415.5	412.2	409.7	410.9	410.0	408.0	406.3	405.1	405.5	407.2
52.5°	363.9	362.8	359.0	356.1	355.3	355.7	353.1	350.7	351.1	350.7	349.9
55°	315.4	315.4	310.4	309.1	305.8	305.8	302.5	302.1	300.8	300.8	298.8
57.5°	273.4	269.7	266.7	263.9	262.6	260.9	259.6	256.8	255.5	253.0	252.7
60°	234.8	230.1	228.1	224.7	222.3	220.6	218.5	216.1	214.4	212.3	209.8
62.5°	200.3	195.2	191.1	187.8	185.7	185.3	182.0	179.1	175.8	173.2	169.1
65°	165.7	162.9	158.3	153.8	152.9	150.8	147.5	144.2	140.0	136.3	133.8
67.5°	135.5	131.7	127.6	125.0	122.2	120.5	116.8	111.8	107.2	103.4	98.9
70°	108.4	103.0	99.3	95.2	94.3	90.5	87.3	82.3	78.2	73.1	66.5
72.5°	81.4	76.0	73.1	69.0	66.5	64.4	59.9	55.2	48.7	44.8	39.0
75°	57.3	52.8	48.7	44.4	42.8	39.9	36.2	31.2	27.0	23.3	19.1
77.5°	35.7	32.8	29.1	25.8	24.1	22.4	19.6	15.8	12.9	9.9	7.5
80°	20.3	17.9	15.3	12.9	12.1	11.2	8.7	6.7	5.4	3.7	2.5
82.5°	9.5	7.9	6.7	5.4	5.0	4.1	2.9	2.1	1.3	0.8	0.4
85°	2.9	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°	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7
2.5°	1255.2	1255.6	1256.0	1256.0	1256.0	1256.5	1256.5	1257.3	1257.7	1258.2	1258.2
5°	1248.5	1249.8	1250.7	1251.1	1251.5	1252.7	1253.1	1254.4	1255.2	1256.0	1256.9
7.5°	1239.4	1240.7	1242.3	1243.1	1244.0	1245.7	1246.8	1249.0	1250.2	1251.9	1253.5
10°	1227.8	1229.4	1231.9	1232.8	1233.6	1235.6	1238.2	1240.7	1242.7	1245.3	1247.3
12.5°	1210.8	1213.2	1216.2	1217.0	1218.2	1221.1	1224.0	1227.8	1230.7	1234.0	1237.3
15°	1189.5	1192.9	1194.9	1195.8	1197.5	1201.6	1204.5	1208.7	1213.2	1218.2	1222.0
17.5°	1160.0	1161.7	1165.4	1167.1	1169.2	1173.3	1177.9	1182.9	1187.1	1192.5	1198.3
20°	1121.4	1123.9	1128.5	1130.2	1132.6	1136.3	1143.0	1147.2	1153.8	1160.4	1164.7
22.5°	1073.2	1077.8	1082.4	1084.4	1086.1	1090.6	1095.3	1102.3	1107.7	1116.9	1122.3
25°	1023.4	1024.6	1028.3	1032.0	1032.9	1038.7	1044.1	1052.5	1057.8	1063.7	1071.2
27.5°	966.0	967.6	973.4	974.3	974.7	981.0	987.2	993.9	998.4	1005.1	1008.8
30°	906.2	909.1	911.6	913.3	916.1	919.1	924.9	933.2	936.5	942.4	947.3
32.5°	845.2	845.2	851.0	851.4	853.0	859.6	863.0	868.0	873.8	878.4	877.9
35°	784.4	786.1	788.1	791.1	792.4	796.5	797.8	801.5	805.2	808.6	812.7
37.5°	721.7	721.7	726.3	728.4	729.6	731.7	733.8	737.5	739.6	740.9	743.3
40°	661.9	663.6	664.4	665.3	665.3	668.1	669.8	672.7	673.9	677.2	675.6
42.5°	601.3	600.4	600.8	602.9	603.3	605.0	606.2	607.8	609.5	608.7	611.6
45°	536.9	537.3	538.0	538.0	539.3	541.4	543.4	544.3	545.5	547.6	548.1
47.5°	469.5	471.6	470.3	473.6	474.5	474.9	479.8	480.3	484.5	485.2	485.2
50°	406.8	406.8	409.3	410.5	411.3	412.6	414.3	415.9	417.1	420.1	420.9
52.5°	350.3	351.1	351.1	349.9	351.1	351.1	355.3	355.7	355.3	356.1	357.4
55°	299.5	299.9	297.5	299.2	298.8	297.5	298.4	295.8	295.4	296.7	295.8
57.5°	251.0	249.3	248.9	246.9	246.9	244.7	242.6	242.6	241.0	238.1	237.7
60°	207.3	204.9	203.2	201.9	198.6	196.5	193.7	191.1	187.8	184.0	182.0
62.5°	166.2	163.3	159.9	158.3	155.8	150.8	147.1	143.3	137.9	134.6	131.3
65°	129.7	125.0	119.6	117.2	114.6	110.1	105.1	98.9	93.5	88.9	83.1
67.5°	93.9	88.9	83.6	79.7	77.3	71.9	66.1	60.7	54.5	49.4	46.5
70°	61.4	55.2	50.2	47.4	44.8	39.4	34.1	29.5	26.5	25.4	25.0
72.5°	34.9	28.7	25.0	22.0	20.0	16.2	13.3	11.6	10.8	10.4	9.5
75°	14.9	11.2	8.7	7.1	6.2	5.0	4.5	4.5	4.5	4.1	4.1
77.5°	5.4	3.7	2.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.8	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: P844255

CATALOG NUMBER: LD6C25DE010B50 EU6C25B50 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7	1257.7
2.5°	1258.5	1259.3	1259.3	1259.7	1260.2	1260.2	1260.2	1260.2
5°	1257.7	1258.5	1258.9	1259.3	1259.7	1260.2	1260.2	1260.2
7.5°	1254.4	1256.0	1256.5	1257.3	1258.2	1258.5	1258.5	1258.9
10°	1249.4	1251.1	1252.3	1253.1	1253.9	1254.8	1255.6	1255.6
12.5°	1240.3	1242.7	1244.4	1245.3	1247.3	1248.1	1249.0	1249.8
15°	1225.3	1228.7	1230.7	1232.4	1234.0	1236.5	1236.9	1238.2
17.5°	1202.8	1207.4	1208.2	1210.8	1212.8	1217.0	1216.6	1217.0
20°	1170.5	1175.5	1177.0	1179.6	1182.9	1185.8	1188.4	1186.2
22.5°	1127.2	1133.0	1135.6	1138.0	1140.1	1142.6	1145.9	1146.4
25°	1076.1	1081.1	1083.2	1084.8	1089.0	1091.1	1094.4	1094.9
27.5°	1017.5	1020.4	1023.4	1024.2	1028.8	1030.0	1032.9	1032.9
30°	951.0	954.4	957.7	959.0	960.2	961.5	963.5	964.8
32.5°	882.9	886.2	887.5	889.6	890.0	892.0	891.3	894.5
35°	814.8	815.6	816.8	816.5	819.3	818.9	822.3	821.9
37.5°	746.3	745.4	747.4	749.5	748.7	747.9	749.1	747.0
40°	677.6	678.0	678.5	680.6	678.5	679.7	678.9	678.5
42.5°	613.6	613.6	611.2	613.6	612.1	611.2	612.9	610.4
45°	548.9	548.5	548.9	549.2	549.2	549.2	547.6	549.2
47.5°	487.4	487.8	486.1	489.0	488.2	486.5	486.5	485.2
50°	422.1	424.6	427.5	425.1	427.2	425.9	424.6	425.9
52.5°	360.2	361.9	359.8	360.2	364.8	364.8	362.3	361.9
55°	294.1	294.1	295.0	295.4	295.8	301.2	298.4	299.2
57.5°	235.2	235.2	233.9	236.4	234.8	232.7	234.8	229.4
60°	178.6	178.2	177.0	175.4	171.2	170.0	165.4	165.0
62.5°	127.1	122.6	120.9	117.6	113.1	111.8	107.2	106.8
65°	78.9	73.5	71.9	70.2	68.1	67.7	66.1	66.8
67.5°	44.8	44.0	43.6	42.4	41.6	40.7	40.7	40.3
70°	23.7	22.0	21.6	21.2	21.2	19.6	19.1	20.0
72.5°	9.1	8.4	8.4	8.4	7.9	7.9	7.9	7.9
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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)