

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: P844238

Luminaire Tested: **LD6C25DE010B40 EU6C25B40 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844238  
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: LD6C25DE010B40 EU6C25B40 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

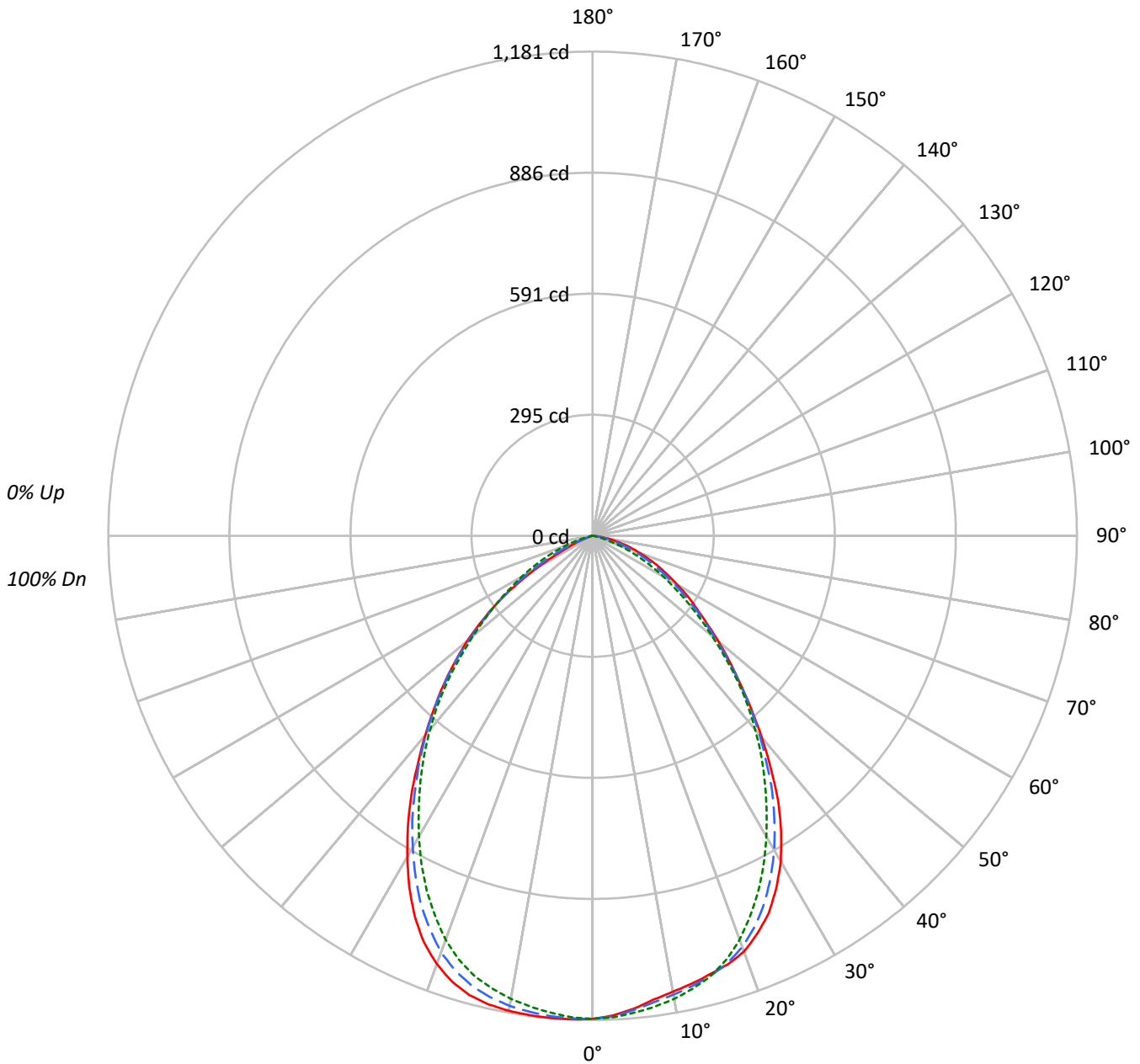
Lumens per Lamp: N/A  
Luminaire Lumens: 2167.1 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	64595	64595	64595
5°	63708	64264	64968
10°	62858	63838	65485
15°	62832	63099	65835
20°	62970	61156	64837
25°	61431	57832	62042
30°	58079	53622	57218
35°	52809	48981	51531
40°	45915	44097	45485
45°	39361	38663	39896
50°	34131	32400	34029
55°	29619	26943	26790
60°	26083	21807	16939
65°	22869	16565	8133
70°	19651	10979	2997
75°	15992	4617	826
80°	10828	1105	379
85°	4403	252	252



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.0	5.1
10°-20°	316.1	14.6
20°-30°	453.0	20.9
30°-40°	472.1	21.8
40°-50°	391.1	18.0
50°-60°	259.3	12.0
60°-70°	125.5	5.8
70°-80°	35.5	1.6
80°-90°	3.5	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°	880.1	40.6
0°-40°	1352.2	62.4
0°-60°	2002.5	92.4
0°-90°	2167.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2167.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1178	1178	1178	1178	1178	
5°	1158	1161	1168	1176	1181	110
15°	1107	1111	1112	1137	1160	313
25°	1016	990	956	991	1026	465
35°	789	764	732	754	770	489
45°	508	506	499	511	515	395
55°	310	300	282	277	280	280
65°	176	159	128	88	63	176
75°	76	58	22	4	4	81
85°	7	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°	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3
2.5°	1170.9	1171.3	1172.1	1171.3	1171.8	1172.1	1172.1	1172.5	1172.5	1172.9	1173.2
5°	1157.7	1158.8	1158.8	1158.8	1158.8	1159.3	1159.7	1159.7	1159.3	1159.3	1160.9
7.5°	1141.0	1142.1	1141.7	1142.1	1142.6	1143.7	1143.3	1144.0	1144.9	1146.1	1147.5
10°	1129.2	1129.7	1129.2	1130.5	1131.2	1132.0	1132.0	1132.8	1133.6	1134.7	1136.6
12.5°	1118.8	1119.2	1119.5	1120.4	1121.1	1120.7	1121.5	1122.3	1122.7	1123.4	1124.6
15°	1107.1	1109.0	1108.6	1109.0	1109.5	1109.8	1110.2	1110.6	1110.2	1110.2	1110.9
17.5°	1096.2	1096.6	1097.0	1097.0	1097.0	1097.0	1096.2	1096.2	1095.1	1093.9	1093.1
20°	1079.4	1079.1	1078.3	1078.3	1076.8	1077.1	1075.6	1074.8	1072.9	1070.1	1067.4
22.5°	1050.2	1052.2	1051.4	1048.7	1047.2	1047.2	1045.6	1042.1	1039.0	1035.8	1032.4
25°	1015.6	1014.8	1013.6	1012.2	1009.8	1008.2	1005.9	1003.6	998.5	993.0	989.9
27.5°	969.3	970.5	967.7	965.4	964.2	961.9	959.6	956.4	950.2	945.5	940.1
30°	917.5	916.8	916.3	913.3	910.1	910.9	906.2	902.7	898.0	890.3	886.0
32.5°	855.2	856.4	854.0	853.7	847.8	847.1	847.1	841.6	837.8	830.3	824.5
35°	789.1	788.3	787.5	784.8	784.3	782.0	780.1	776.2	771.1	768.8	764.1
37.5°	712.7	713.2	713.6	713.6	712.0	710.4	708.8	708.8	701.8	700.7	695.3
40°	641.6	642.7	642.3	639.6	640.0	640.4	640.0	639.6	635.3	633.7	633.0
42.5°	572.3	574.2	572.3	571.9	572.3	572.3	571.4	572.6	570.7	572.3	568.7
45°	507.7	509.1	508.0	507.7	506.8	508.8	506.4	508.4	507.2	505.2	506.1
47.5°	451.9	450.3	451.9	451.2	450.0	448.4	450.8	449.6	446.9	446.5	447.3
50°	400.2	399.4	400.2	399.8	397.9	397.9	397.5	396.7	395.9	393.5	392.0
52.5°	350.7	353.5	351.6	353.5	350.7	349.5	350.0	348.8	347.2	346.5	343.3
55°	309.9	310.2	310.2	310.2	308.7	307.9	307.1	306.4	306.4	302.9	299.7
57.5°	274.5	273.6	273.3	272.1	271.3	270.5	269.8	267.5	265.0	262.0	259.6
60°	237.9	238.6	238.6	237.0	235.9	234.7	234.4	232.8	230.0	227.0	223.5
62.5°	206.3	207.1	205.2	205.2	202.9	202.4	202.4	200.1	196.9	193.4	189.5
65°	176.3	176.0	176.7	174.0	174.4	172.1	171.2	170.1	167.0	162.7	159.2
67.5°	148.0	148.7	147.5	146.8	145.2	144.5	143.6	140.1	138.6	134.6	130.8
70°	122.6	121.8	121.1	121.1	119.5	118.3	117.9	114.0	112.1	109.0	104.7
72.5°	98.9	98.1	97.3	96.1	95.0	94.6	92.2	89.9	87.6	83.7	80.6
75°	75.5	75.1	74.4	73.6	71.6	70.9	70.4	67.7	63.5	60.3	57.6
77.5°	54.5	54.9	53.3	51.8	50.6	49.4	48.7	46.3	43.6	40.1	37.3
80°	34.3	34.7	34.3	33.1	31.5	31.1	29.9	28.5	26.1	23.8	21.8
82.5°	18.3	18.3	17.9	17.6	16.4	16.4	15.5	14.4	13.2	12.1	10.5
85°	7.0	7.0	6.7	6.2	5.8	5.8	5.5	5.1	4.2	3.9	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°	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3
2.5°	1173.2	1173.7	1174.1	1174.4	1174.4	1174.4	1174.8	1175.2	1175.2	1175.6	1176.0
5°	1161.6	1162.0	1163.2	1163.5	1164.3	1163.9	1165.1	1166.3	1167.0	1167.8	1169.0
7.5°	1148.4	1149.5	1151.1	1152.3	1152.6	1153.0	1154.2	1155.8	1156.9	1158.5	1159.7
10°	1137.5	1138.6	1140.2	1141.7	1141.7	1142.6	1143.3	1144.5	1145.6	1146.8	1148.4
12.5°	1125.4	1126.9	1127.3	1128.1	1128.1	1128.5	1129.2	1129.7	1130.8	1131.2	1133.6
15°	1110.9	1110.9	1110.9	1110.9	1110.9	1110.6	1109.8	1110.6	1110.6	1111.8	1112.9
17.5°	1091.2	1091.2	1088.8	1087.7	1088.0	1086.1	1085.7	1084.2	1084.2	1084.2	1085.3
20°	1065.0	1061.5	1058.8	1055.3	1053.7	1053.0	1052.2	1048.7	1048.3	1048.3	1048.3
22.5°	1028.1	1024.2	1020.3	1017.5	1013.3	1011.7	1010.1	1007.8	1005.1	1003.6	1007.1
25°	983.0	978.2	973.6	968.2	967.0	965.0	961.1	958.7	957.6	956.1	956.8
27.5°	935.1	928.4	923.3	917.9	915.9	913.6	910.1	906.6	902.7	903.5	903.5
30°	880.2	872.3	866.9	860.3	859.9	857.5	854.5	850.1	847.1	847.1	849.0
32.5°	820.6	815.1	810.0	802.6	801.5	800.0	797.7	793.8	791.4	789.1	790.6
35°	760.2	751.7	748.2	743.5	743.9	739.6	736.1	733.8	734.2	731.9	733.0
37.5°	695.3	690.2	685.1	683.1	681.2	678.9	677.3	675.8	675.0	675.0	674.2
40°	629.5	626.8	624.4	623.6	620.1	620.9	620.5	619.4	617.0	616.2	618.5
42.5°	567.5	564.9	563.7	561.7	561.3	560.1	560.1	559.0	558.6	559.0	558.6
45°	503.8	503.3	500.6	500.6	502.2	501.0	497.9	499.8	499.8	498.7	501.0
47.5°	444.9	445.4	443.8	440.6	440.6	438.7	436.4	438.3	439.4	437.5	438.7
50°	391.6	389.3	386.1	383.8	385.0	384.2	382.2	380.7	379.6	379.9	381.5
52.5°	341.0	339.8	336.3	333.6	332.8	333.3	330.9	328.5	328.9	328.5	327.8
55°	295.5	295.5	290.7	289.6	286.5	286.5	283.3	283.0	281.9	281.9	279.8
57.5°	256.2	252.7	249.9	247.2	246.0	244.4	243.3	240.6	239.4	237.0	236.7
60°	220.0	215.7	213.7	210.6	208.2	206.7	204.8	202.4	200.8	198.9	196.6
62.5°	187.6	183.0	179.1	176.0	174.0	173.7	170.5	167.7	164.7	162.3	158.4
65°	155.4	152.6	148.3	144.0	143.2	141.3	138.2	135.1	131.1	127.7	125.3
67.5°	126.9	123.4	119.5	117.2	114.4	112.8	109.4	104.7	100.5	96.9	92.6
70°	101.6	96.6	93.1	89.2	88.3	84.8	81.8	77.1	73.2	68.5	62.3
72.5°	76.3	71.3	68.5	64.6	62.3	60.3	56.1	51.8	45.6	42.1	36.6
75°	53.7	49.4	45.6	41.7	40.1	37.3	33.8	29.2	25.3	21.8	17.9
77.5°	33.5	30.8	27.3	24.1	22.5	21.0	18.3	14.8	12.1	9.3	7.0
80°	19.0	16.7	14.4	12.1	11.3	10.5	8.1	6.2	5.1	3.5	2.3
82.5°	9.0	7.4	6.2	5.1	4.7	3.9	2.7	1.9	1.2	0.7	0.4
85°	2.7	1.9	1.6	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°	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3
2.5°	1176.0	1176.4	1176.7	1176.7	1176.7	1177.1	1177.1	1178.0	1178.3	1178.7	1178.7
5°	1169.7	1170.9	1171.8	1172.1	1172.5	1173.7	1174.1	1175.2	1176.0	1176.7	1177.6
7.5°	1161.2	1162.3	1163.9	1164.7	1165.5	1167.0	1168.3	1170.2	1171.3	1172.9	1174.4
10°	1150.3	1151.9	1154.2	1154.9	1155.8	1157.7	1160.0	1162.3	1164.3	1166.7	1168.6
12.5°	1134.3	1136.6	1139.4	1140.2	1141.4	1144.0	1146.8	1150.3	1153.0	1156.1	1159.3
15°	1114.5	1117.6	1119.5	1120.4	1121.9	1125.7	1128.5	1132.4	1136.6	1141.4	1144.9
17.5°	1086.8	1088.4	1091.9	1093.5	1095.4	1099.3	1103.6	1108.3	1112.2	1117.2	1122.7
20°	1050.7	1053.0	1057.3	1058.8	1061.1	1064.6	1070.9	1074.8	1081.0	1087.2	1091.2
22.5°	1005.5	1009.8	1014.1	1016.0	1017.5	1021.9	1026.1	1032.8	1037.9	1046.3	1051.4
25°	958.7	959.9	963.5	967.0	967.7	973.2	978.2	986.0	991.1	996.5	1003.6
27.5°	905.0	906.6	912.1	912.8	913.3	919.1	924.9	931.1	935.5	941.6	945.2
30°	849.0	851.7	854.0	855.6	858.4	861.1	866.5	874.3	877.4	882.9	887.6
32.5°	791.7	791.7	797.2	797.7	799.1	805.4	808.6	813.2	818.6	822.9	822.5
35°	734.9	736.5	738.4	741.2	742.4	746.3	747.4	750.9	754.4	757.5	761.4
37.5°	676.1	676.1	680.5	682.4	683.5	685.6	687.5	691.0	692.9	694.1	696.5
40°	620.1	621.7	622.4	623.3	623.3	625.9	627.5	630.2	631.4	634.5	633.0
42.5°	563.3	562.4	562.9	564.9	565.2	566.8	567.9	569.5	571.0	570.3	573.0
45°	502.9	503.3	504.1	504.1	505.2	507.2	509.1	510.0	511.2	513.1	513.5
47.5°	439.9	441.8	440.6	443.8	444.5	444.9	449.6	450.0	453.9	454.7	454.7
50°	381.1	381.1	383.4	384.6	385.4	386.6	388.2	389.6	390.8	393.5	394.3
52.5°	328.2	328.9	328.9	327.8	328.9	328.9	332.8	333.3	332.8	333.6	334.7
55°	280.7	281.0	278.7	280.3	279.8	278.7	279.5	277.2	276.8	277.9	277.2
57.5°	235.1	233.5	233.2	231.2	231.2	229.3	227.3	227.3	225.8	223.1	222.6
60°	194.3	192.0	190.4	189.2	186.0	184.1	181.4	179.1	176.0	172.5	170.5
62.5°	155.7	152.9	149.9	148.3	146.0	141.3	137.8	134.3	129.2	126.2	123.0
65°	121.4	117.2	112.1	109.8	107.5	103.1	98.5	92.6	87.6	83.3	77.8
67.5°	88.0	83.3	78.3	74.8	72.4	67.4	61.9	56.8	51.0	46.3	43.6
70°	57.6	51.8	47.1	44.4	42.1	37.0	31.9	27.6	25.0	23.8	23.4
72.5°	32.7	26.9	23.4	20.6	18.7	15.2	12.5	10.9	10.2	9.7	9.0
75°	14.1	10.5	8.1	6.7	5.8	4.7	4.2	4.2	4.2	3.9	3.9
77.5°	5.1	3.5	2.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	1.6	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: P844238

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBLWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3	1178.3
2.5°	1179.2	1179.9	1179.9	1180.3	1180.6	1180.6	1180.6	1180.6
5°	1178.3	1179.2	1179.5	1179.9	1180.3	1180.6	1180.6	1180.6
7.5°	1175.2	1176.7	1177.1	1178.0	1178.7	1179.2	1179.2	1179.5
10°	1170.6	1172.1	1173.2	1174.1	1174.8	1175.6	1176.4	1176.4
12.5°	1162.0	1164.3	1165.8	1166.7	1168.6	1169.4	1170.2	1170.9
15°	1148.0	1151.1	1153.0	1154.6	1156.1	1158.5	1158.8	1160.0
17.5°	1126.9	1131.2	1132.0	1134.3	1136.3	1140.2	1139.8	1140.2
20°	1096.6	1101.2	1102.8	1105.1	1108.3	1110.9	1113.4	1111.4
22.5°	1056.2	1061.5	1063.9	1066.2	1068.2	1070.5	1073.6	1074.0
25°	1008.2	1012.9	1014.8	1016.4	1020.3	1022.2	1025.4	1025.7
27.5°	953.4	956.1	958.7	959.6	963.8	965.0	967.7	967.7
30°	891.1	894.1	897.3	898.5	899.6	900.8	902.7	903.9
32.5°	827.2	830.3	831.5	833.4	833.8	835.7	835.0	838.1
35°	763.4	764.1	765.3	764.9	767.6	767.2	770.4	770.0
37.5°	699.1	698.4	700.3	702.3	701.4	700.7	701.8	699.9
40°	634.9	635.3	635.6	637.6	635.6	636.8	636.1	635.6
42.5°	574.9	574.9	572.6	574.9	573.4	572.6	574.2	571.9
45°	514.2	513.8	514.2	514.6	514.6	514.6	513.1	514.6
47.5°	456.6	457.0	455.4	458.2	457.4	455.8	455.8	454.7
50°	395.6	397.9	400.5	398.2	400.2	399.0	397.9	399.0
52.5°	337.5	339.1	337.1	337.5	341.8	341.8	339.4	339.1
55°	275.6	275.6	276.4	276.8	277.2	282.2	279.5	280.3
57.5°	220.3	220.3	219.1	221.5	220.0	218.0	220.0	214.9
60°	167.4	167.0	165.8	164.3	160.3	159.2	154.9	154.5
62.5°	119.1	114.9	113.3	110.2	105.9	104.7	100.5	100.1
65°	73.9	68.9	67.4	65.8	63.9	63.5	61.9	62.7
67.5°	42.1	41.2	40.8	39.7	38.9	38.2	38.2	37.8
70°	22.2	20.6	20.2	19.9	19.9	18.3	17.9	18.7
72.5°	8.6	7.8	7.8	7.8	7.4	7.4	7.4	7.4
75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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)