

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: P844187

Luminaire Tested: **LD6C25DE010B2750 EU6C25B27 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844187  
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 EU6C25B27 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

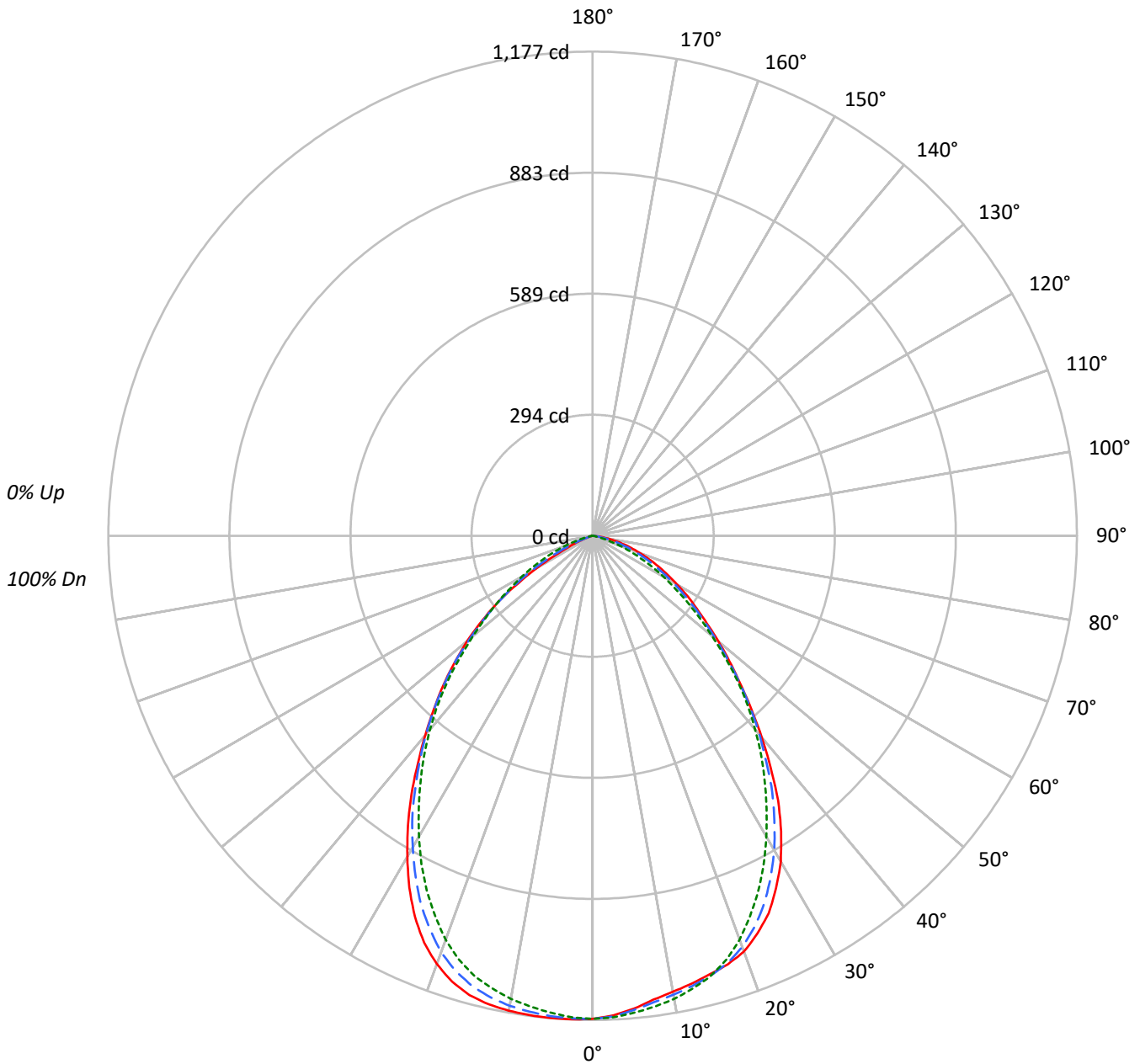
Lumens per Lamp: N/A  
Luminaire Lumens: 2159.7 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	64375	64375	64375
5°	63493	64043	64748
10°	62646	63621	65263
15°	62617	62883	65613
20°	62755	60946	64616
25°	61225	57632	61830
30°	57882	53439	57021
35°	52628	48807	51350
40°	45750	43954	45335
45°	39221	38531	39756
50°	34012	32289	33918
55°	29514	26847	26694
60°	25985	21731	16885
65°	22804	16500	8107
70°	19587	10947	2981
75°	15949	4596	826
80°	10797	1105	379
85°	4403	252	252



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.6	5.1
10°-20°	315.0	14.6
20°-30°	451.5	20.9
30°-40°	470.5	21.8
40°-50°	389.8	18.0
50°-60°	258.4	12.0
60°-70°	125.1	5.8
70°-80°	35.4	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°	877.1	40.6
0°-40°	1347.6	62.4
0°-60°	1995.7	92.4
0°-90°	2159.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2159.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1174	1174	1174	1174	1174	
5°	1154	1157	1164	1172	1177	109
15°	1103	1107	1108	1133	1156	312
25°	1012	987	953	988	1022	463
35°	786	762	729	752	767	488
45°	506	504	497	509	513	394
55°	309	299	281	276	279	279
65°	176	159	127	87	62	175
75°	75	57	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°	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3
2.5°	1166.9	1167.3	1168.1	1167.3	1167.7	1168.1	1168.1	1168.5	1168.5	1168.9	1169.2
5°	1153.8	1154.9	1154.9	1154.9	1154.9	1155.3	1155.7	1155.7	1155.3	1155.3	1156.8
7.5°	1137.1	1138.2	1137.8	1138.2	1138.6	1139.8	1139.4	1140.1	1141.0	1142.1	1143.6
10°	1125.4	1125.9	1125.4	1126.6	1127.3	1128.2	1128.2	1128.9	1129.7	1130.8	1132.8
12.5°	1115.0	1115.4	1115.7	1116.5	1117.3	1116.9	1117.7	1118.4	1118.9	1119.6	1120.8
15°	1103.3	1105.2	1104.9	1105.2	1105.7	1106.1	1106.4	1106.8	1106.4	1106.4	1107.2
17.5°	1092.4	1092.9	1093.3	1093.3	1093.3	1093.3	1092.4	1092.4	1091.3	1090.1	1089.4
20°	1075.7	1075.4	1074.6	1074.6	1073.1	1073.4	1071.9	1071.1	1069.2	1066.4	1063.8
22.5°	1046.6	1048.6	1047.8	1045.2	1043.6	1043.6	1042.0	1038.5	1035.4	1032.4	1028.9
25°	1012.2	1011.4	1010.3	1008.7	1006.3	1004.8	1002.4	1000.1	995.1	989.6	986.6
27.5°	965.9	967.1	964.5	962.1	961.0	958.6	956.3	953.1	947.0	942.4	936.9
30°	914.4	913.6	913.3	910.1	907.0	907.8	903.1	899.6	895.0	887.2	882.9
32.5°	852.3	853.5	851.2	850.8	844.9	844.2	844.2	838.7	834.9	827.5	821.7
35°	786.4	785.6	784.8	782.1	781.7	779.4	777.5	773.6	768.5	766.1	761.5
37.5°	710.3	710.7	711.2	711.2	709.6	708.0	706.5	706.5	699.4	698.2	692.9
40°	639.3	640.5	640.1	637.4	637.8	638.2	637.8	637.4	633.1	631.6	630.8
42.5°	570.3	572.2	570.3	569.9	570.3	570.3	569.5	570.7	568.7	570.3	566.8
45°	505.9	507.5	506.3	505.9	505.1	507.0	504.7	506.6	505.4	503.5	504.3
47.5°	450.4	448.9	450.4	449.6	448.4	447.0	449.3	448.1	445.4	444.9	445.8
50°	398.8	398.0	398.8	398.4	396.5	396.5	396.1	395.3	394.5	392.2	390.7
52.5°	349.5	352.3	350.3	352.3	349.5	348.4	348.8	347.6	346.1	345.3	342.1
55°	308.8	309.1	309.1	309.1	307.7	306.8	306.1	305.3	305.3	301.8	298.7
57.5°	273.5	272.8	272.3	271.2	270.4	269.6	268.9	266.5	264.2	261.1	258.8
60°	237.0	237.9	237.9	236.3	235.1	233.9	233.5	231.9	229.3	226.1	222.6
62.5°	205.6	206.3	204.4	204.4	202.1	201.7	201.7	199.4	196.3	192.8	188.9
65°	175.8	175.4	176.1	173.5	173.8	171.4	170.7	169.5	166.5	162.1	158.6
67.5°	147.4	148.2	147.0	146.3	144.7	143.9	143.2	139.6	138.1	134.2	130.3
70°	122.2	121.4	120.7	120.7	119.1	117.9	117.5	113.7	111.7	108.6	104.4
72.5°	98.6	97.7	97.0	95.8	94.7	94.2	91.9	89.6	87.3	83.4	80.3
75°	75.3	74.9	74.1	73.3	71.4	70.6	70.2	67.5	63.2	60.2	57.4
77.5°	54.4	54.7	53.2	51.6	50.4	49.3	48.5	46.1	43.5	40.0	37.2
80°	34.2	34.5	34.2	33.0	31.4	31.0	29.8	28.3	26.0	23.7	21.7
82.5°	18.2	18.2	17.9	17.5	16.3	16.3	15.5	14.4	13.2	12.1	10.5
85°	7.0	7.0	6.6	6.2	5.8	5.8	5.4	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°	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3
2.5°	1169.2	1169.6	1170.1	1170.4	1170.4	1170.4	1170.8	1171.2	1171.2	1171.5	1172.0
5°	1157.6	1158.0	1159.2	1159.6	1160.3	1159.9	1161.1	1162.2	1163.1	1163.8	1165.0
7.5°	1144.5	1145.6	1147.1	1148.3	1148.7	1149.1	1150.3	1151.8	1152.9	1154.5	1155.7
10°	1133.6	1134.7	1136.3	1137.8	1137.8	1138.6	1139.4	1140.6	1141.7	1142.9	1144.5
12.5°	1121.5	1123.1	1123.5	1124.3	1124.3	1124.7	1125.4	1125.9	1127.0	1127.3	1129.7
15°	1107.2	1107.2	1107.2	1107.2	1107.2	1106.8	1106.1	1106.8	1106.8	1108.0	1109.1
17.5°	1087.5	1087.5	1085.1	1084.0	1084.3	1082.4	1082.0	1080.4	1080.4	1080.4	1081.5
20°	1061.4	1058.0	1055.2	1051.7	1050.1	1049.4	1048.6	1045.2	1044.7	1044.7	1044.7
22.5°	1024.5	1020.7	1016.8	1014.1	1009.8	1008.2	1006.8	1004.4	1001.7	1000.1	1003.6
25°	979.6	974.9	970.3	964.8	963.6	961.7	957.8	955.5	954.3	952.8	953.6
27.5°	931.9	925.2	920.2	914.7	912.8	910.5	907.0	903.5	899.6	900.5	900.5
30°	877.1	869.4	864.0	857.3	857.0	854.7	851.5	847.3	844.2	844.2	846.1
32.5°	817.8	812.4	807.3	800.0	798.7	797.2	794.9	791.0	788.7	786.4	787.9
35°	757.7	749.1	745.6	741.0	741.4	737.1	733.6	731.2	731.7	729.3	730.5
37.5°	692.9	687.8	682.8	680.8	678.9	676.6	675.0	673.5	672.7	672.7	671.9
40°	627.3	624.6	622.3	621.5	618.0	618.8	618.4	617.2	614.9	614.2	616.5
42.5°	565.6	562.9	561.7	559.8	559.4	558.2	558.2	557.1	556.7	557.1	556.7
45°	502.0	501.6	498.9	498.9	500.5	499.3	496.1	498.1	498.1	497.0	499.3
47.5°	443.5	443.8	442.3	439.1	439.1	437.2	434.9	436.8	438.0	436.1	437.2
50°	390.3	387.9	384.9	382.5	383.7	382.9	381.0	379.4	378.2	378.6	380.2
52.5°	339.8	338.7	335.2	332.5	331.7	332.1	329.8	327.4	327.8	327.4	326.6
55°	294.4	294.4	289.8	288.6	285.6	285.6	282.4	282.1	280.9	280.9	278.9
57.5°	255.3	251.8	249.1	246.3	245.2	243.7	242.5	239.8	238.6	236.3	235.9
60°	219.1	214.9	213.0	209.8	207.5	206.0	204.0	201.7	200.2	198.2	195.9
62.5°	187.0	182.3	178.4	175.4	173.5	173.0	170.0	167.2	164.1	161.8	157.9
65°	154.8	152.1	147.9	143.5	142.8	140.8	137.7	134.6	130.7	127.2	124.9
67.5°	126.5	123.0	119.1	116.8	114.0	112.5	109.0	104.4	100.1	96.6	92.3
70°	101.2	96.2	92.8	88.8	88.1	84.6	81.4	76.8	73.0	68.3	62.1
72.5°	76.0	71.0	68.3	64.4	62.1	60.2	55.8	51.6	45.4	41.9	36.5
75°	53.5	49.3	45.4	41.5	40.0	37.2	33.7	29.1	25.2	21.7	17.9
77.5°	33.3	30.7	27.2	24.0	22.5	20.9	18.2	14.7	12.1	9.3	7.0
80°	19.0	16.7	14.4	12.1	11.2	10.5	8.1	6.2	5.1	3.5	2.3
82.5°	8.9	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°	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3
2.5°	1172.0	1172.4	1172.7	1172.7	1172.7	1173.1	1173.1	1173.9	1174.3	1174.7	1174.7
5°	1165.7	1166.9	1167.7	1168.1	1168.5	1169.6	1170.1	1171.2	1172.0	1172.7	1173.6
7.5°	1157.3	1158.4	1159.9	1160.8	1161.5	1163.1	1164.2	1166.1	1167.3	1168.9	1170.4
10°	1146.4	1148.0	1150.3	1151.0	1151.8	1153.8	1156.1	1158.4	1160.3	1162.7	1164.6
12.5°	1130.5	1132.8	1135.5	1136.3	1137.5	1140.1	1142.9	1146.4	1149.1	1152.2	1155.3
15°	1110.7	1113.8	1115.7	1116.5	1118.0	1121.9	1124.7	1128.5	1132.8	1137.5	1141.0
17.5°	1083.1	1084.7	1088.2	1089.8	1091.7	1095.6	1099.8	1104.5	1108.4	1113.4	1118.9
20°	1047.1	1049.4	1053.6	1055.2	1057.5	1061.0	1067.3	1071.1	1077.3	1083.5	1087.5
22.5°	1002.1	1006.3	1010.6	1012.6	1014.1	1018.4	1022.6	1029.2	1034.3	1042.8	1047.8
25°	955.5	956.6	960.1	963.6	964.5	969.9	974.9	982.6	987.7	993.1	1000.1
27.5°	902.0	903.5	908.9	909.8	910.1	915.9	921.7	928.0	932.2	938.4	941.9
30°	846.1	848.9	851.2	852.7	855.4	858.2	863.6	871.3	874.5	879.8	884.5
32.5°	789.1	789.1	794.5	794.9	796.4	802.6	805.8	810.5	815.9	820.1	819.8
35°	732.4	734.0	735.9	738.7	739.8	743.7	744.9	748.4	751.9	754.9	758.9
37.5°	673.8	673.8	678.2	680.1	681.2	683.1	685.1	688.6	690.5	691.7	694.0
40°	618.0	619.6	620.3	621.1	621.1	623.8	625.4	628.1	629.3	632.4	630.8
42.5°	561.4	560.5	561.0	562.9	563.3	564.9	566.0	567.5	569.1	568.4	571.0
45°	501.2	501.6	502.4	502.4	503.5	505.4	507.5	508.2	509.4	511.3	511.7
47.5°	438.4	440.3	439.1	442.3	443.0	443.5	448.1	448.4	452.3	453.1	453.1
50°	379.8	379.8	382.1	383.3	384.0	385.2	386.8	388.4	389.5	392.2	393.0
52.5°	327.0	327.8	327.8	326.6	327.8	327.8	331.7	332.1	331.7	332.5	333.7
55°	279.7	280.1	277.7	279.3	278.9	277.7	278.6	276.3	275.8	277.0	276.3
57.5°	234.3	232.8	232.4	230.5	230.5	228.4	226.5	226.5	225.0	222.3	221.9
60°	193.5	191.2	189.7	188.6	185.4	183.5	180.7	178.4	175.4	171.9	170.0
62.5°	155.2	152.5	149.3	147.9	145.5	140.8	137.3	133.8	128.8	125.6	122.6
65°	121.0	116.8	111.7	109.4	107.0	102.8	98.1	92.3	87.3	83.0	77.6
67.5°	87.7	83.0	77.9	74.5	72.1	67.2	61.7	56.7	50.9	46.1	43.5
70°	57.4	51.6	47.0	44.2	41.9	36.8	31.8	27.5	24.9	23.7	23.3
72.5°	32.6	26.8	23.3	20.5	18.6	15.1	12.4	10.9	10.0	9.7	8.9
75°	14.0	10.5	8.1	6.6	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: P844187

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBLWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3	1174.3
2.5°	1175.0	1175.9	1175.9	1176.3	1176.6	1176.6	1176.6	1176.6
5°	1174.3	1175.0	1175.5	1175.9	1176.3	1176.6	1176.6	1176.6
7.5°	1171.2	1172.7	1173.1	1173.9	1174.7	1175.0	1175.0	1175.5
10°	1166.6	1168.1	1169.2	1170.1	1170.8	1171.5	1172.4	1172.4
12.5°	1158.0	1160.3	1161.9	1162.7	1164.6	1165.4	1166.1	1166.9
15°	1144.0	1147.1	1149.1	1150.6	1152.2	1154.5	1154.9	1156.1
17.5°	1123.1	1127.3	1128.2	1130.5	1132.4	1136.3	1135.9	1136.3
20°	1092.9	1097.5	1099.1	1101.4	1104.5	1107.2	1109.6	1107.6
22.5°	1052.5	1058.0	1060.3	1062.6	1064.5	1066.8	1069.9	1070.3
25°	1004.8	1009.4	1011.4	1012.9	1016.8	1018.7	1021.9	1022.2
27.5°	950.1	952.8	955.5	956.3	960.5	961.7	964.5	964.5
30°	888.0	891.1	894.2	895.4	896.6	897.7	899.6	900.8
32.5°	824.4	827.5	828.7	830.6	831.0	832.9	832.1	835.2
35°	760.8	761.5	762.7	762.3	765.0	764.7	767.7	767.3
37.5°	696.8	695.9	697.9	699.8	699.1	698.2	699.4	697.5
40°	632.8	633.1	633.5	635.4	633.5	634.7	633.9	633.5
42.5°	573.0	573.0	570.7	573.0	571.4	570.7	572.2	569.9
45°	512.4	512.1	512.4	512.8	512.8	512.8	511.3	512.8
47.5°	455.1	455.4	453.9	456.6	455.8	454.3	454.3	453.1
50°	394.2	396.5	399.2	396.8	398.8	397.7	396.5	397.7
52.5°	336.3	337.9	336.0	336.3	340.7	340.7	338.3	337.9
55°	274.7	274.7	275.4	275.8	276.3	281.2	278.6	279.3
57.5°	219.6	219.6	218.4	220.7	219.1	217.2	219.1	214.2
60°	166.8	166.5	165.3	163.7	159.8	158.6	154.4	154.0
62.5°	118.7	114.4	112.8	109.8	105.6	104.4	100.1	99.7
65°	73.7	68.6	67.2	65.6	63.7	63.2	61.7	62.5
67.5°	41.9	41.1	40.7	39.6	38.8	38.0	38.0	37.7
70°	22.1	20.5	20.2	19.8	19.8	18.2	17.9	18.6
72.5°	8.6	7.7	7.7	7.7	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)