

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: P844221

Luminaire Tested: **LD6C25DE010B35 EU6C25B35 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844221  
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: LD6C25DE010B35 EU6C25B35 6LBLWVLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

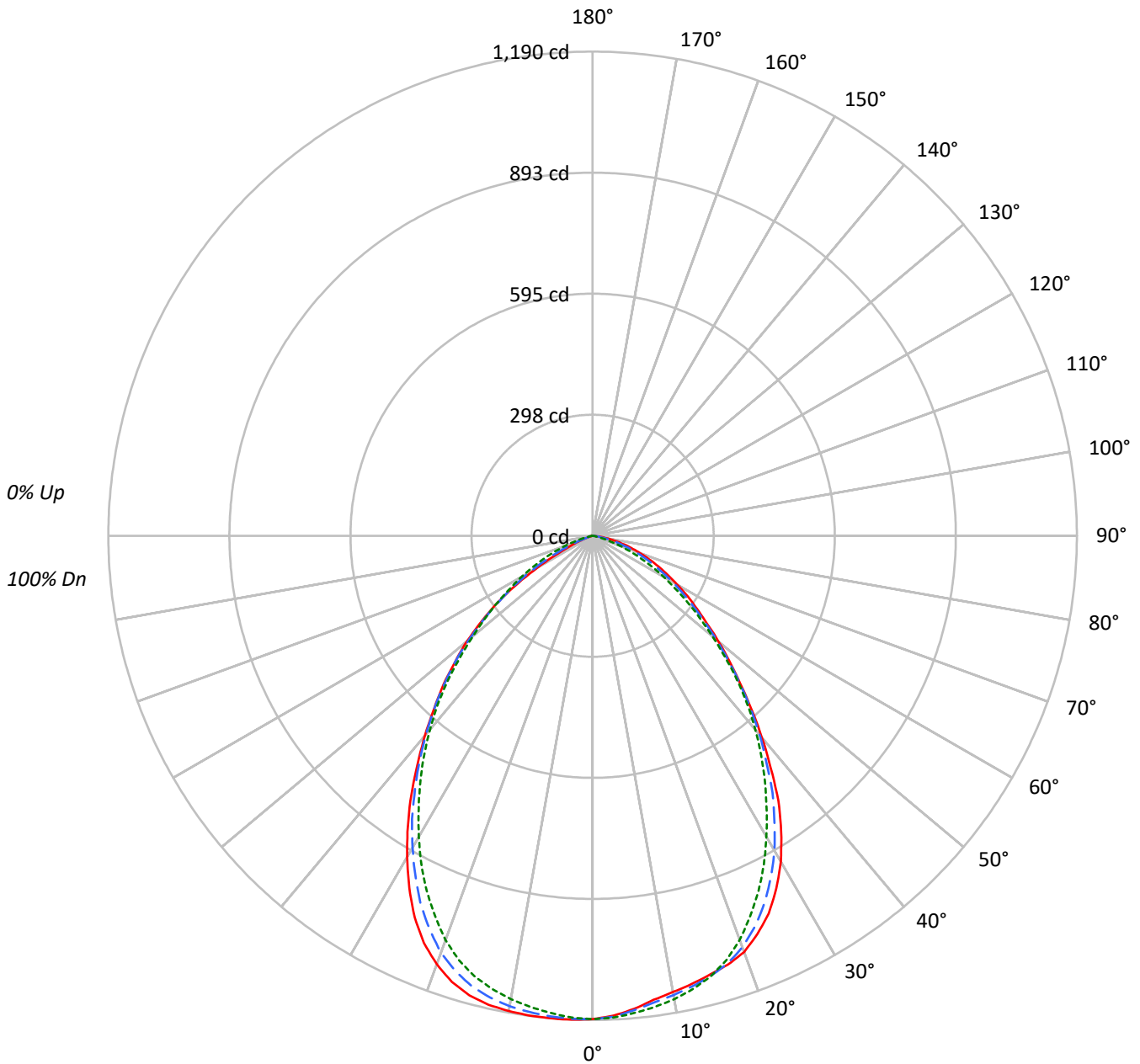
Lumens per Lamp: N/A  
Luminaire Lumens: 2185.1 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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			100
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89			89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78			78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69			69
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61			61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54			54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44			44
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33			33

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	65132	65132	65132
5°	64236	64797	65513
10°	63381	64366	66025
15°	63355	63621	66379
20°	63496	61664	65374
25°	61939	58310	62562
30°	58560	54059	57692
35°	53251	49383	51959
40°	46287	44469	45865
45°	39679	38981	40229
50°	34413	32673	34310
55°	29858	27163	27010
60°	26303	21983	17082
65°	23063	16694	8185
70°	19811	11076	3013
75°	16119	4660	826
80°	10923	1105	379
85°	4466	252	252



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.9	5.1
10°-20°	318.7	14.6
20°-30°	456.8	20.9
30°-40°	476.0	21.8
40°-50°	394.4	18.0
50°-60°	261.4	12.0
60°-70°	126.6	5.8
70°-80°	35.8	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°	887.4	40.6
0°-40°	1363.4	62.4
0°-60°	2019.2	92.4
0°-90°	2185.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2185.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1188	1188	1188	1188	1188	
5°	1167	1170	1178	1186	1190	110
15°	1116	1120	1121	1146	1170	316
25°	1024	998	964	999	1034	468
35°	796	770	738	761	776	493
45°	512	510	503	515	519	398
55°	312	302	284	279	283	282
65°	178	160	129	88	63	177
75°	76	58	22	4	4	82
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°	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1
2.5°	1180.6	1181.1	1181.8	1181.1	1181.5	1181.8	1181.8	1182.2	1182.2	1182.6	1183.0
5°	1167.3	1168.5	1168.5	1168.5	1168.5	1168.9	1169.3	1169.3	1168.9	1168.9	1170.5
7.5°	1150.4	1151.7	1151.2	1151.7	1152.0	1153.1	1152.8	1153.6	1154.3	1155.6	1157.1
10°	1138.6	1139.1	1138.6	1139.8	1140.7	1141.4	1141.4	1142.1	1143.0	1144.1	1146.2
12.5°	1128.1	1128.5	1128.8	1129.7	1130.4	1130.0	1130.8	1131.6	1132.0	1132.7	1134.0
15°	1116.3	1118.2	1117.8	1118.2	1118.7	1119.0	1119.4	1119.8	1119.4	1119.4	1120.2
17.5°	1105.3	1105.7	1106.1	1106.1	1106.1	1106.1	1105.3	1105.3	1104.1	1102.9	1102.2
20°	1088.4	1088.0	1087.2	1087.2	1085.7	1086.1	1084.5	1083.7	1081.7	1079.0	1076.2
22.5°	1059.0	1060.9	1060.2	1057.4	1055.8	1055.8	1054.2	1050.8	1047.6	1044.4	1040.9
25°	1024.0	1023.3	1022.1	1020.5	1018.2	1016.6	1014.3	1011.8	1006.8	1001.3	998.1
27.5°	977.4	978.5	975.8	973.4	972.3	969.9	967.5	964.4	958.1	953.4	947.9
30°	925.1	924.4	923.9	920.8	917.7	918.4	913.8	910.2	905.5	897.6	893.4
32.5°	862.3	863.6	861.1	860.8	854.9	854.0	854.0	848.6	844.6	837.2	831.3
35°	795.7	794.8	794.1	791.3	790.9	788.6	786.6	782.6	777.6	775.2	770.5
37.5°	718.7	719.1	719.5	719.5	717.9	716.3	714.7	714.7	707.7	706.5	701.0
40°	646.8	648.0	647.6	644.8	645.3	645.7	645.3	644.8	640.6	639.0	638.2
42.5°	576.9	578.9	576.9	576.6	576.9	576.9	576.2	577.4	575.5	576.9	573.4
45°	511.8	513.4	512.2	511.8	511.0	513.0	510.6	512.6	511.5	509.5	510.2
47.5°	455.7	454.1	455.7	454.9	453.7	452.1	454.6	453.3	450.6	450.2	451.0
50°	403.5	402.7	403.5	403.1	401.2	401.2	400.7	400.0	399.2	396.8	395.2
52.5°	353.7	356.4	354.4	356.4	353.7	352.5	352.8	351.7	350.1	349.3	346.2
55°	312.4	312.8	312.8	312.8	311.3	310.5	309.7	308.9	308.9	305.3	302.3
57.5°	276.7	275.9	275.5	274.4	273.6	272.8	272.0	269.7	267.3	264.2	261.8
60°	239.9	240.6	240.6	239.0	237.9	236.7	236.3	234.7	231.9	228.9	225.3
62.5°	208.0	208.8	206.9	206.9	204.5	204.1	204.1	201.8	198.6	195.0	191.1
65°	177.8	177.4	178.2	175.5	175.9	173.5	172.7	171.5	168.4	164.0	160.5
67.5°	149.1	150.0	148.8	148.0	146.4	145.6	144.8	141.3	139.7	135.8	131.9
70°	123.6	122.9	122.1	122.1	120.5	119.3	118.9	115.0	113.1	109.9	105.6
72.5°	99.7	98.9	98.1	97.0	95.8	95.4	93.1	90.6	88.3	84.4	81.2
75°	76.1	75.7	75.0	74.1	72.2	71.4	71.1	68.3	64.0	60.8	58.1
77.5°	55.0	55.3	53.7	52.2	51.0	49.8	49.1	46.7	44.0	40.4	37.7
80°	34.6	34.9	34.6	33.3	31.8	31.4	30.2	28.7	26.3	23.9	22.0
82.5°	18.4	18.4	18.1	17.7	16.5	16.5	15.7	14.5	13.3	12.2	10.6
85°	7.1	7.1	6.7	6.2	5.9	5.9	5.5	5.1	4.3	3.9	3.2
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°	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1
2.5°	1183.0	1183.4	1183.8	1184.2	1184.2	1184.2	1184.5	1185.0	1185.0	1185.4	1185.7
5°	1171.2	1171.6	1172.8	1173.2	1174.0	1173.6	1174.7	1176.0	1176.7	1177.5	1178.7
7.5°	1157.9	1159.1	1160.6	1161.8	1162.2	1162.6	1163.8	1165.3	1166.6	1168.1	1169.3
10°	1146.9	1148.1	1149.6	1151.2	1151.2	1152.0	1152.8	1154.0	1155.1	1156.3	1157.9
12.5°	1134.7	1136.3	1136.6	1137.5	1137.5	1137.9	1138.6	1139.1	1140.2	1140.7	1143.0
15°	1120.2	1120.2	1120.2	1120.2	1120.2	1119.8	1119.0	1119.8	1119.8	1121.0	1122.1
17.5°	1100.2	1100.2	1097.8	1096.7	1097.1	1095.1	1094.7	1093.2	1093.2	1093.2	1094.3
20°	1073.9	1070.3	1067.6	1064.1	1062.5	1061.8	1060.9	1057.4	1057.0	1057.0	1057.0
22.5°	1036.6	1032.7	1028.8	1026.0	1021.7	1020.1	1018.5	1016.2	1013.4	1011.8	1015.4
25°	991.1	986.3	981.7	976.2	975.0	973.0	969.1	966.8	965.5	964.0	964.8
27.5°	942.8	936.1	931.0	925.5	923.5	921.2	917.7	914.1	910.2	911.0	911.0
30°	887.5	879.6	874.1	867.5	867.0	864.7	861.5	857.2	854.0	854.0	856.0
32.5°	827.4	821.9	816.8	809.3	808.1	806.6	804.2	800.3	798.0	795.7	797.1
35°	766.6	757.9	754.4	749.7	750.1	745.7	742.2	739.9	740.2	737.9	739.1
37.5°	701.0	695.9	690.8	688.8	686.9	684.5	682.9	681.4	680.6	680.6	679.8
40°	634.7	631.9	629.6	628.8	625.3	626.0	625.7	624.4	622.1	621.4	623.7
42.5°	572.3	569.5	568.4	566.4	565.9	564.8	564.8	563.6	563.3	563.6	563.3
45°	507.9	507.6	504.8	504.8	506.3	505.1	502.1	504.0	504.0	502.8	505.1
47.5°	448.6	449.1	447.5	444.3	444.3	442.3	440.0	442.0	443.1	441.1	442.3
50°	394.8	392.5	389.3	387.0	388.2	387.4	385.4	383.9	382.7	383.1	384.7
52.5°	343.8	342.7	339.1	336.3	335.6	336.0	333.6	331.3	331.7	331.3	330.5
55°	297.9	297.9	293.2	292.0	288.8	288.8	285.8	285.3	284.2	284.2	282.2
57.5°	258.3	254.8	252.0	249.3	248.0	246.5	245.3	242.5	241.4	239.0	238.6
60°	221.8	217.4	215.4	212.4	209.9	208.5	206.5	204.1	202.5	200.5	198.2
62.5°	189.2	184.5	180.5	177.4	175.5	175.0	171.9	169.2	166.0	163.7	159.7
65°	156.6	153.9	149.5	145.2	144.5	142.5	139.3	136.2	132.3	128.7	126.4
67.5°	128.0	124.4	120.5	118.1	115.4	113.8	110.3	105.6	101.2	97.7	93.4
70°	102.5	97.3	93.8	89.9	89.1	85.6	82.4	77.7	73.8	69.1	62.8
72.5°	76.9	71.8	69.1	65.2	62.8	60.8	56.5	52.2	45.9	42.4	36.9
75°	54.2	49.8	45.9	42.0	40.4	37.7	34.2	29.4	25.5	22.0	18.1
77.5°	33.7	31.0	27.5	24.3	22.7	21.2	18.4	14.9	12.2	9.4	7.1
80°	19.2	16.9	14.5	12.2	11.4	10.6	8.2	6.2	5.1	3.5	2.3
82.5°	9.0	7.5	6.2	5.1	4.8	3.9	2.7	2.0	1.2	0.7	0.4
85°	2.7	2.0	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°	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1
2.5°	1185.7	1186.1	1186.6	1186.6	1186.6	1187.0	1187.0	1187.7	1188.1	1188.5	1188.5
5°	1179.5	1180.6	1181.5	1181.8	1182.2	1183.4	1183.8	1185.0	1185.7	1186.6	1187.3
7.5°	1170.8	1172.1	1173.6	1174.4	1175.1	1176.7	1177.9	1179.9	1181.1	1182.6	1184.2
10°	1159.8	1161.4	1163.8	1164.6	1165.3	1167.3	1169.6	1172.1	1174.0	1176.3	1178.3
12.5°	1143.7	1146.2	1148.9	1149.6	1150.8	1153.6	1156.3	1159.8	1162.6	1165.7	1168.9
15°	1123.7	1126.9	1128.8	1129.7	1131.2	1135.2	1137.9	1141.8	1146.2	1150.8	1154.3
17.5°	1095.9	1097.4	1101.0	1102.6	1104.5	1108.4	1112.7	1117.5	1121.4	1126.5	1132.0
20°	1059.3	1061.8	1066.0	1067.6	1070.0	1073.5	1079.7	1083.7	1090.0	1096.2	1100.2
22.5°	1013.8	1018.2	1022.5	1024.4	1026.0	1030.3	1034.7	1041.3	1046.4	1055.1	1060.2
25°	966.8	967.9	971.4	975.0	975.8	981.3	986.3	994.2	999.4	1004.9	1011.8
27.5°	912.5	914.1	919.6	920.5	920.8	926.7	932.6	938.9	943.2	949.4	953.0
30°	856.0	858.8	861.1	862.7	865.5	868.2	873.7	881.5	884.7	890.2	894.9
32.5°	798.3	798.3	803.8	804.2	805.8	812.1	815.2	820.0	825.5	829.7	829.4
35°	741.1	742.7	744.6	747.3	748.5	752.4	753.6	757.2	760.7	763.8	767.7
37.5°	681.8	681.8	686.1	688.1	689.3	691.2	693.2	696.7	698.7	699.8	702.2
40°	625.3	626.9	627.6	628.4	628.4	631.2	632.7	635.4	636.6	639.8	638.2
42.5°	567.9	567.2	567.5	569.5	570.0	571.4	572.7	574.2	575.8	575.0	577.8
45°	507.1	507.6	508.3	508.3	509.5	511.5	513.4	514.2	515.4	517.3	517.7
47.5°	443.6	445.5	444.3	447.5	448.2	448.6	453.3	453.7	457.6	458.5	458.5
50°	384.2	384.2	386.6	387.8	388.6	389.7	391.3	392.9	394.1	396.8	397.6
52.5°	330.9	331.7	331.7	330.5	331.7	331.7	335.6	336.0	335.6	336.3	337.6
55°	283.0	283.3	281.0	282.6	282.2	281.0	281.9	279.4	279.1	280.3	279.4
57.5°	237.1	235.5	235.1	233.1	233.1	231.2	229.2	229.2	227.6	224.9	224.5
60°	195.9	193.5	192.0	190.8	187.6	185.6	182.9	180.5	177.4	173.9	171.9
62.5°	157.0	154.2	151.1	149.5	147.2	142.5	139.0	135.4	130.3	127.1	124.1
65°	122.5	118.1	113.1	110.7	108.3	104.0	99.3	93.4	88.3	84.0	78.5
67.5°	88.7	84.0	78.9	75.4	73.0	67.9	62.4	57.3	51.4	46.7	44.0
70°	58.1	52.2	47.5	44.7	42.4	37.3	32.2	27.8	25.2	23.9	23.6
72.5°	33.0	27.1	23.6	20.8	18.8	15.3	12.6	11.0	10.2	9.8	9.0
75°	14.2	10.6	8.2	6.7	5.9	4.8	4.3	4.3	4.3	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: P844221

CATALOG NUMBER: LD6C25DE010B35 EU6C25B35 6LBLWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1	1188.1
2.5°	1188.9	1189.7	1189.7	1190.0	1190.5	1190.5	1190.5	1190.5
5°	1188.1	1188.9	1189.3	1189.7	1190.0	1190.5	1190.5	1190.5
7.5°	1185.0	1186.6	1187.0	1187.7	1188.5	1188.9	1188.9	1189.3
10°	1180.2	1181.8	1183.0	1183.8	1184.5	1185.4	1186.1	1186.1
12.5°	1171.6	1174.0	1175.6	1176.3	1178.3	1179.1	1179.9	1180.6
15°	1157.5	1160.6	1162.6	1164.1	1165.7	1168.1	1168.5	1169.6
17.5°	1136.3	1140.7	1141.4	1143.7	1145.7	1149.6	1149.2	1149.6
20°	1105.7	1110.4	1112.0	1114.3	1117.5	1120.2	1122.6	1120.6
22.5°	1064.8	1070.3	1072.8	1075.1	1077.0	1079.4	1082.5	1082.9
25°	1016.6	1021.3	1023.3	1024.8	1028.8	1030.7	1033.8	1034.3
27.5°	961.3	964.0	966.8	967.5	971.9	973.0	975.8	975.8
30°	898.5	901.6	904.7	905.9	907.0	908.3	910.2	911.4
32.5°	834.0	837.2	838.4	840.4	840.7	842.7	841.9	845.0
35°	769.7	770.5	771.6	771.2	774.0	773.7	776.7	776.4
37.5°	704.9	704.2	706.1	708.1	707.2	706.5	707.7	705.8
40°	640.2	640.6	640.9	642.9	640.9	642.1	641.3	640.9
42.5°	579.7	579.7	577.4	579.7	578.2	577.4	578.9	576.6
45°	518.5	518.1	518.5	518.9	518.9	518.9	517.3	518.9
47.5°	460.4	460.8	459.2	462.0	461.2	459.6	459.6	458.5
50°	398.8	401.2	403.9	401.6	403.5	402.3	401.2	402.3
52.5°	340.3	341.8	339.9	340.3	344.6	344.6	342.3	341.8
55°	277.8	277.8	278.7	279.1	279.4	284.6	281.9	282.6
57.5°	222.2	222.2	220.9	223.4	221.8	219.8	221.8	216.7
60°	168.8	168.4	167.2	165.6	161.7	160.5	156.2	155.8
62.5°	120.1	115.8	114.2	111.1	106.7	105.6	101.2	100.9
65°	74.6	69.5	67.9	66.3	64.4	64.0	62.4	63.1
67.5°	42.4	41.6	41.2	40.1	39.2	38.5	38.5	38.1
70°	22.4	20.8	20.4	20.0	20.0	18.4	18.1	18.8
72.5°	8.7	7.8	7.8	7.8	7.5	7.5	7.5	7.5
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)