

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: P844220

Luminaire Tested: **LD6C25DE010B35 EU6C25B35 6LBLWWH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25DE010B35 EU6C25B35 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

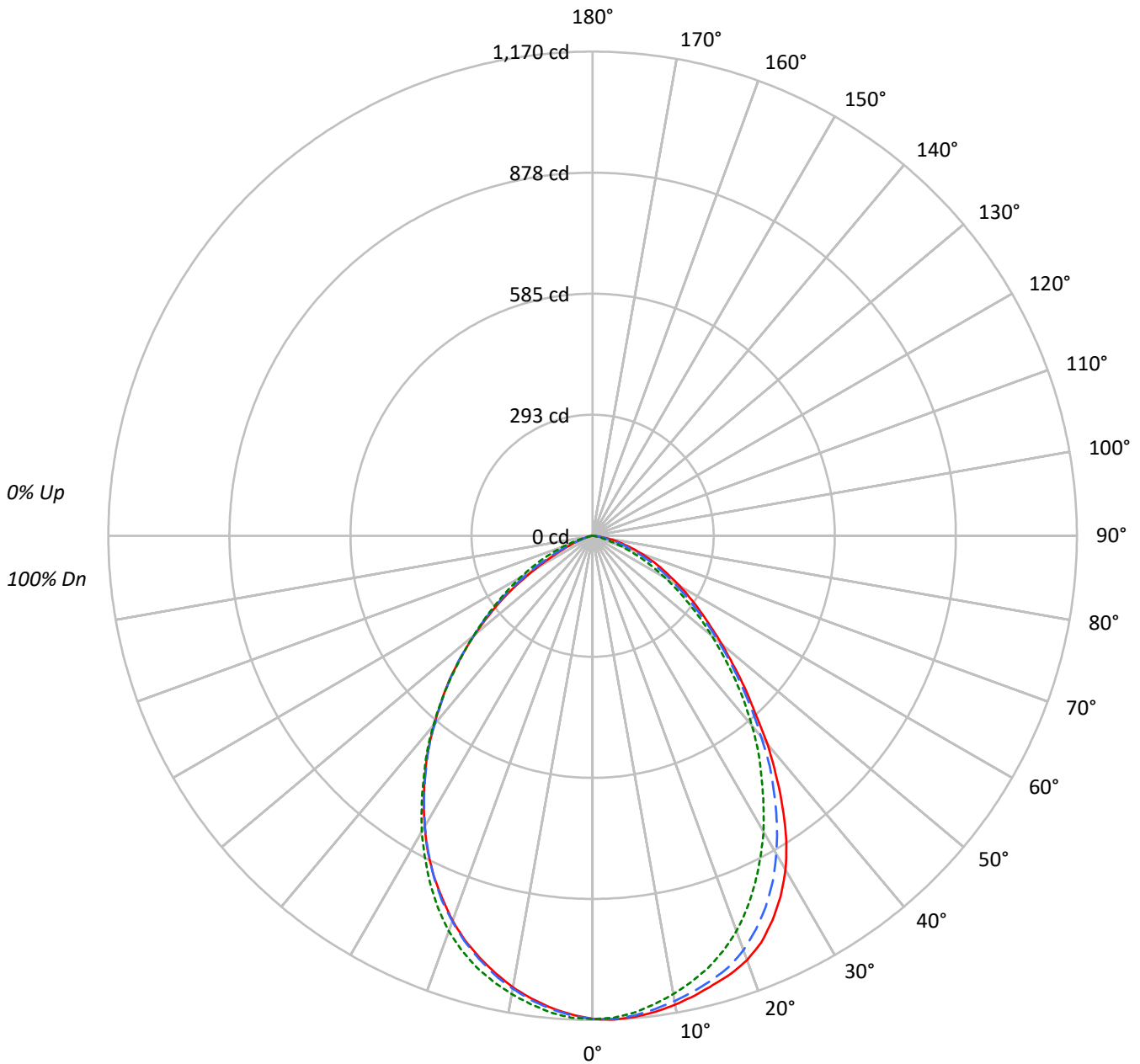
Lumens per Lamp: N/A
Luminaire Lumens: 2123.7 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89								
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78								
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68								
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60								
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54								
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48								
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43								
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39								
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36								
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	64003	64003	64003
5°	64231	63642	63020
10°	64032	62613	61694
15°	63786	61317	59893
20°	63653	59301	57720
25°	62096	56120	54880
30°	59003	52268	51394
35°	53552	47596	47274
40°	46988	42830	42601
45°	40283	37422	37725
50°	34677	31897	31735
55°	30307	26933	25280
60°	26632	22082	17257
65°	23310	17109	10390
70°	19891	11508	6107
75°	16034	5973	3325
80°	11144	2368	1863
85°	4466	755	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	5.2
10°-20°	305.5	14.4
20°-30°	434.7	20.5
30°-40°	457.6	21.5
40°-50°	381.3	18.0
50°-60°	257.6	12.1
60°-70°	130.6	6.2
70°-80°	42.2	2.0
80°-90°	4.9	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°	849.6	40.0
0°-40°	1307.2	61.6
0°-60°	1946.1	91.6
0°-90°	2123.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2123.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1168	1168	1168	1168	1168	
5°	1167	1164	1156	1148	1145	111
15°	1124	1112	1080	1059	1055	318
25°	1027	989	928	908	907	471
35°	800	766	711	704	706	498
45°	520	506	483	485	487	402
55°	317	302	282	273	264	285
65°	180	162	132	95	80	179
75°	76	59	28	15	16	82
85°	7	4	1	2	2	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°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1170.3	1170.3	1170.3	1170.3	1170.3	1170.3	1169.8	1169.8	1169.1	1169.1	1168.7
5°	1167.2	1167.5	1167.5	1167.2	1167.2	1166.4	1166.4	1165.9	1164.8	1164.0	1163.6
7.5°	1160.4	1160.4	1160.1	1159.7	1159.3	1158.1	1157.7	1156.5	1155.8	1154.9	1153.5
10°	1150.3	1150.3	1149.9	1149.1	1148.7	1148.0	1148.0	1146.4	1144.8	1142.8	1141.6
12.5°	1138.1	1138.5	1137.7	1137.4	1136.1	1135.8	1134.9	1133.0	1131.9	1129.4	1127.5
15°	1123.9	1124.8	1124.8	1123.2	1122.0	1121.6	1120.5	1119.3	1116.5	1114.2	1111.8
17.5°	1110.2	1111.0	1110.2	1109.0	1107.9	1106.3	1105.5	1103.2	1099.6	1096.6	1093.0
20°	1091.1	1092.2	1090.6	1088.6	1086.3	1085.9	1084.7	1080.8	1075.7	1071.0	1065.9
22.5°	1064.0	1063.1	1062.0	1061.2	1057.3	1054.9	1053.3	1048.2	1042.7	1036.5	1030.1
25°	1026.6	1028.2	1025.9	1022.3	1020.4	1018.0	1014.1	1008.6	1003.5	996.8	989.4
27.5°	982.8	982.8	979.6	978.4	974.1	970.9	969.0	963.5	956.8	950.2	941.9
30°	932.1	929.8	929.8	924.3	920.7	919.5	917.6	908.5	902.7	895.6	887.4
32.5°	870.9	870.4	868.8	865.4	860.6	856.7	856.7	850.4	842.6	833.9	828.9
35°	800.2	800.6	799.8	795.9	795.9	791.2	790.4	784.9	778.6	772.0	765.7
37.5°	727.2	728.8	727.2	725.2	724.1	723.6	720.1	716.2	711.5	707.6	702.9
40°	656.6	654.3	655.0	651.1	651.5	650.7	649.1	644.0	641.2	637.3	632.3
42.5°	580.4	582.8	583.6	581.2	580.4	578.8	580.4	578.5	575.4	573.3	568.7
45°	519.6	517.3	518.5	517.6	518.0	514.9	513.7	513.0	511.8	508.2	506.3
47.5°	459.1	459.5	459.1	457.6	456.8	456.8	455.2	452.9	452.9	450.6	449.0
50°	406.6	406.6	407.4	405.4	404.7	403.1	403.5	401.1	399.5	397.6	396.4
52.5°	358.3	358.7	357.2	357.5	356.7	356.7	355.2	353.6	352.0	348.5	347.7
55°	317.1	317.5	315.5	316.3	314.0	312.7	312.0	309.7	309.7	306.1	301.8
57.5°	278.7	278.3	277.8	276.7	275.1	273.9	272.8	270.0	268.9	266.5	262.9
60°	242.9	242.5	241.8	241.4	240.2	237.4	237.4	235.4	231.5	229.2	225.7
62.5°	209.2	209.2	208.8	207.6	206.5	205.3	204.4	202.9	198.9	196.2	193.1
65°	179.7	179.4	178.2	176.2	175.5	175.5	172.7	171.5	168.4	165.6	162.1
67.5°	151.5	149.9	149.1	149.5	147.1	147.1	144.8	142.9	140.1	135.4	132.6
70°	124.1	123.2	122.5	121.6	121.3	119.7	118.6	116.1	113.4	109.9	105.6
72.5°	99.3	99.3	98.1	97.3	96.1	94.6	93.8	91.8	88.7	84.8	81.6
75°	75.7	75.7	75.7	74.1	73.4	72.6	70.2	69.1	65.6	63.1	59.2
77.5°	55.7	54.9	53.7	53.4	52.6	51.8	50.7	48.7	45.5	42.7	40.4
80°	35.3	36.5	35.3	35.3	33.3	32.6	32.2	29.8	28.7	26.3	24.3
82.5°	19.7	20.0	19.2	18.8	17.7	17.2	17.2	15.7	14.9	13.3	12.2
85°	7.1	7.5	7.1	7.1	6.2	6.7	6.2	5.9	5.1	4.3	3.9
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1168.7	1167.9	1167.9	1167.5	1167.2	1167.2	1167.2	1166.8	1165.9	1165.9	1165.6
5°	1162.9	1162.0	1160.9	1160.1	1159.7	1159.3	1159.0	1158.5	1156.9	1156.5	1155.4
7.5°	1152.3	1151.4	1149.5	1148.7	1147.5	1147.1	1145.5	1144.8	1143.2	1141.6	1140.9
10°	1139.7	1137.7	1136.1	1134.2	1133.4	1132.2	1130.3	1127.9	1126.7	1124.8	1123.2
12.5°	1125.5	1123.2	1120.0	1117.7	1117.0	1115.0	1111.8	1109.9	1107.1	1104.0	1101.2
15°	1107.9	1105.1	1102.4	1098.0	1096.9	1094.5	1091.4	1087.5	1083.5	1080.4	1077.3
17.5°	1088.6	1084.4	1080.1	1075.3	1071.8	1070.6	1065.5	1060.1	1056.5	1051.0	1047.5
20°	1061.5	1055.7	1048.6	1043.9	1040.8	1037.2	1031.4	1025.5	1021.1	1016.5	1011.3
22.5°	1024.3	1018.8	1010.6	1003.5	1001.2	996.1	990.9	985.4	980.0	974.8	968.6
25°	980.3	974.5	966.3	959.2	955.3	952.8	943.1	937.6	932.1	927.8	923.4
27.5°	935.3	924.6	919.1	908.1	904.6	903.9	894.8	888.9	883.0	877.1	871.6
30°	879.5	871.3	863.0	855.2	850.4	847.7	841.0	833.5	829.6	825.7	820.2
32.5°	821.8	814.4	804.1	796.7	793.1	789.2	783.3	778.2	772.4	768.1	766.9
35°	760.2	752.0	743.3	737.8	737.1	732.3	726.4	722.2	717.8	711.2	710.0
37.5°	694.2	689.6	683.7	675.8	672.2	672.2	666.4	663.2	657.7	657.3	654.3
40°	629.5	627.5	618.5	616.2	615.3	609.8	608.4	602.9	598.8	598.5	593.8
42.5°	565.5	560.4	558.9	554.9	551.3	550.6	547.1	544.7	543.2	540.8	538.4
45°	502.0	500.8	496.9	494.1	493.0	491.4	490.2	485.5	484.7	482.7	481.5
47.5°	447.0	443.9	440.3	437.2	436.8	434.5	431.7	431.7	427.4	427.0	426.2
50°	392.5	390.1	388.2	383.8	384.6	381.5	381.1	377.6	375.6	374.0	376.0
52.5°	344.6	339.8	339.1	335.6	334.3	334.7	330.4	329.2	328.5	326.9	326.2
55°	299.1	296.7	293.6	291.2	289.3	287.3	285.7	285.7	281.4	281.8	279.8
57.5°	259.0	257.0	253.1	249.6	248.9	246.4	244.5	242.5	242.1	239.4	237.4
60°	223.3	219.8	214.7	213.1	210.8	208.8	206.9	204.4	203.3	201.4	197.8
62.5°	190.0	184.0	182.1	179.0	176.2	175.0	171.9	169.1	167.2	164.5	161.7
65°	158.1	153.9	150.3	146.8	146.4	143.2	140.5	138.1	134.2	131.9	126.8
67.5°	129.1	125.2	121.3	117.7	115.0	114.2	109.9	107.1	104.4	99.7	95.4
70°	102.4	98.5	95.4	91.1	89.9	86.7	83.6	80.8	76.1	71.8	68.3
72.5°	78.1	73.8	70.2	67.2	65.2	62.4	59.2	56.2	51.4	47.1	44.0
75°	55.7	52.6	49.1	45.9	44.3	42.7	39.2	35.7	32.6	28.2	25.5
77.5°	37.7	34.6	31.4	28.7	26.7	25.5	23.2	20.4	17.7	15.3	13.3
80°	22.0	20.0	17.7	15.3	14.9	13.7	11.7	10.2	8.7	7.5	5.9
82.5°	10.6	9.4	7.8	6.7	5.9	5.5	4.8	3.9	3.2	2.7	2.7
85°	3.2	2.7	2.3	2.0	1.6	1.6	1.2	1.2	1.2	1.2	1.2
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1164.5	1164.0	1163.6	1163.2	1162.4	1162.4	1161.3	1160.4	1160.4	1159.7	1159.3
5°	1154.2	1153.0	1152.6	1151.9	1151.0	1150.7	1149.1	1148.7	1148.0	1147.1	1147.1
7.5°	1139.7	1138.1	1136.5	1135.8	1135.4	1134.2	1133.4	1133.0	1131.9	1131.0	1129.4
10°	1120.5	1119.3	1117.3	1116.5	1115.7	1115.0	1112.9	1111.8	1111.5	1110.6	1109.9
12.5°	1098.0	1096.6	1094.5	1093.0	1092.2	1091.1	1089.0	1087.9	1087.9	1086.3	1086.3
15°	1074.1	1071.8	1068.2	1066.7	1066.3	1064.0	1062.4	1060.8	1058.8	1058.1	1058.1
17.5°	1043.6	1039.7	1036.5	1036.5	1034.9	1032.6	1030.1	1029.0	1027.8	1026.2	1025.5
20°	1007.4	1004.6	1001.2	1001.2	997.7	996.8	994.5	994.1	991.3	991.7	990.6
22.5°	963.8	962.3	960.3	958.7	956.8	954.4	953.2	953.7	952.5	952.1	951.7
25°	919.9	915.6	913.3	912.4	911.7	909.7	908.9	908.5	908.5	907.3	907.8
27.5°	869.3	866.1	863.0	864.2	862.6	861.4	860.6	859.4	860.3	859.9	860.3
30°	817.4	813.5	811.6	812.4	811.9	808.9	810.5	810.0	810.5	810.5	811.2
32.5°	763.0	760.2	759.8	760.2	756.6	757.1	755.5	757.8	758.2	760.5	758.6
35°	707.6	706.0	703.3	702.9	703.3	702.9	702.9	704.5	704.1	706.4	705.7
37.5°	650.7	649.9	647.2	647.9	646.3	649.1	649.9	649.1	651.8	651.1	650.7
40°	594.9	593.8	592.2	595.3	593.4	591.9	594.6	592.2	593.0	595.3	595.3
42.5°	538.4	536.4	536.4	536.4	536.1	536.1	537.3	538.4	537.7	538.0	541.2
45°	481.5	481.1	480.0	480.8	480.4	482.3	482.3	483.1	484.7	486.3	485.5
47.5°	426.5	425.8	427.0	426.2	426.5	425.4	426.2	428.6	430.6	427.8	430.6
50°	375.1	373.7	373.2	374.4	374.0	373.7	374.4	374.4	373.7	373.7	376.4
52.5°	326.2	324.6	323.4	325.3	324.2	324.6	323.0	323.0	323.7	323.0	321.8
55°	280.2	279.0	277.4	278.3	276.3	275.9	274.4	274.4	273.2	272.3	270.0
57.5°	236.3	235.4	231.9	231.5	231.9	229.2	226.4	225.3	222.1	221.4	220.9
60°	197.4	193.1	191.1	188.8	187.2	186.0	182.9	181.0	176.2	173.5	173.0
62.5°	157.0	155.0	152.6	149.1	148.4	144.5	141.3	136.2	133.8	130.3	126.8
65°	124.4	119.3	115.8	113.8	110.6	107.1	103.6	98.1	95.4	91.1	87.5
67.5°	91.1	86.7	82.1	80.5	77.7	73.4	69.8	65.2	62.8	58.9	57.6
70°	62.4	58.5	54.9	52.6	50.7	46.3	42.7	41.2	38.8	38.1	38.1
72.5°	40.0	36.5	32.6	31.4	29.8	27.5	25.1	24.3	25.1	24.7	24.7
75°	22.4	20.4	17.7	16.5	16.5	15.7	15.3	15.3	15.3	15.3	15.3
77.5°	11.4	10.2	9.4	9.0	9.0	9.0	9.4	9.4	9.4	9.8	9.4
80°	5.5	5.1	5.1	5.1	5.5	5.5	5.5	5.5	5.5	5.9	5.5
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.2	3.2	3.2	3.2	3.2
85°	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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: P844220

CATALOG NUMBER: LD6C25DE010B35 EU6C25B35 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1159.0	1158.1	1158.1	1157.7	1157.7	1157.7	1157.7	1158.1
5°	1146.4	1145.9	1145.9	1145.2	1145.2	1145.2	1145.2	1145.2
7.5°	1129.4	1128.7	1129.1	1128.3	1128.3	1128.7	1128.3	1127.9
10°	1108.7	1108.3	1108.7	1108.7	1107.9	1107.4	1107.9	1108.3
12.5°	1085.1	1084.7	1084.0	1084.4	1084.4	1084.0	1083.5	1082.8
15°	1057.6	1057.3	1056.9	1056.5	1056.0	1056.5	1056.0	1055.3
17.5°	1025.5	1025.5	1025.1	1024.7	1024.3	1023.5	1023.9	1025.1
20°	990.9	990.6	989.7	990.2	988.6	987.8	988.1	989.4
22.5°	951.3	950.2	950.9	949.8	949.8	950.2	949.8	948.9
25°	908.1	906.6	907.3	907.8	907.8	907.3	906.9	907.3
27.5°	860.3	861.4	861.4	860.6	861.9	860.3	861.0	861.4
30°	811.2	810.0	809.6	811.2	813.5	811.6	811.6	811.9
32.5°	760.5	759.0	759.0	759.8	759.4	759.4	761.0	759.0
35°	706.4	707.2	704.1	706.0	706.8	706.0	706.4	706.4
37.5°	651.8	651.1	651.1	651.1	652.2	652.2	653.1	652.7
40°	598.1	596.5	596.1	596.9	595.3	596.5	596.5	595.3
42.5°	540.0	540.5	542.4	540.5	540.8	540.5	539.6	539.2
45°	486.3	487.5	486.6	486.3	486.6	485.0	485.5	486.6
47.5°	429.3	431.7	429.3	430.9	430.6	429.7	429.0	427.4
50°	376.0	376.7	376.4	376.0	375.6	375.1	373.2	372.1
52.5°	321.4	321.4	321.4	321.4	317.5	319.4	318.7	316.3
55°	268.0	269.3	267.7	267.7	264.9	264.9	264.1	264.5
57.5°	216.6	215.4	214.3	214.3	211.5	210.4	209.2	207.6
60°	168.8	167.5	166.0	164.0	161.3	161.3	160.5	157.4
62.5°	123.6	121.6	120.5	118.9	116.6	115.0	113.8	114.6
65°	84.8	82.8	81.2	81.2	81.2	80.5	80.1	80.1
67.5°	55.7	56.9	56.2	56.9	56.9	56.2	55.7	56.5
70°	38.5	38.5	38.1	38.1	38.1	38.1	37.7	38.1
72.5°	24.7	24.7	24.7	25.1	24.7	24.7	25.1	25.1
75°	15.7	15.7	15.7	16.1	15.7	15.7	16.1	15.7
77.5°	9.4	9.8	9.8	9.8	9.8	9.4	9.8	9.8
80°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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)