

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: P844219

Luminaire Tested: **LD6C25DE010B35 EU6C25B35 6LBLDWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844219  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C25DE010B35 EU6C25B35 6LBLDWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

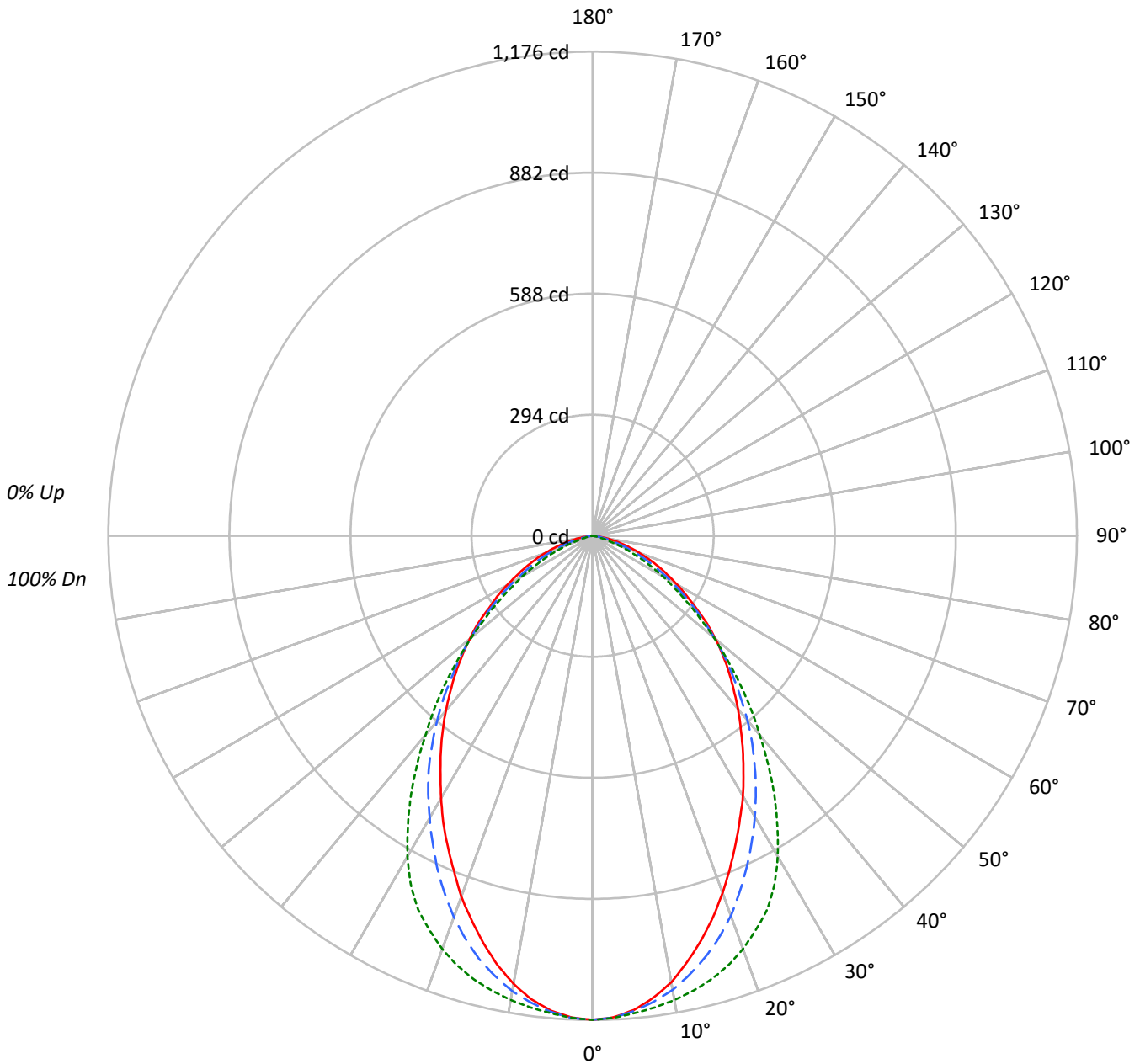
Lumens per Lamp: N/A  
Luminaire Lumens: 2104.7 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67			67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47			47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42			42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32			32

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

	0°	90°	180°
0°	64458	64458	64458
5°	63603	64054	63713
10°	61277	63726	61516
15°	57747	63281	58127
20°	53823	62300	54395
25°	49769	60626	50368
30°	46222	56907	46545
35°	42536	51471	43005
40°	39302	45149	39667
45°	36306	39020	36430
50°	33210	32715	33184
55°	29342	26714	29457
60°	25919	21446	26303
65°	22817	15942	22960
70°	19186	10002	19699
75°	15208	4236	15631
80°	10165	1010	10923
85°	4214	252	4906



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.5	5.2
10°-20°	298.9	14.2
20°-30°	412.7	19.6
30°-40°	434.1	20.6
40°-50°	373.9	17.8
50°-60°	266.2	12.6
60°-70°	150.1	7.1
70°-80°	53.2	2.5
80°-90°	6.0	0.3
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°	821.2	39.0
0°-40°	1255.4	59.6
0°-60°	1895.4	90.1
0°-90°	2104.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2104.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1176	1176	1176	1176	1176	
5°	1156	1158	1164	1161	1158	109
15°	1018	1059	1115	1064	1024	285
25°	823	886	1002	892	833	379
35°	636	687	769	694	643	398
45°	468	482	503	482	470	361
55°	307	297	280	297	308	277
65°	176	151	123	152	177	174
75°	72	48	20	49	74	78
85°	7	3	0	3	8	11
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°	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8
2.5°	1170.7	1171.1	1171.1	1171.4	1171.1	1171.1	1171.4	1171.4	1171.1	1171.4	1171.4
5°	1155.8	1155.4	1155.8	1156.2	1157.4	1157.4	1156.9	1156.9	1158.1	1157.8	1158.5
7.5°	1131.5	1131.5	1132.6	1133.4	1133.4	1133.8	1134.6	1136.1	1137.7	1138.1	1140.9
10°	1100.8	1101.2	1100.8	1102.4	1103.5	1105.5	1105.1	1107.9	1110.6	1114.5	1119.6
12.5°	1060.4	1061.5	1063.9	1063.9	1067.5	1069.4	1069.1	1075.3	1080.4	1085.1	1091.4
15°	1017.5	1017.2	1019.1	1022.3	1025.8	1028.5	1029.7	1038.0	1043.1	1051.0	1058.8
17.5°	971.6	970.5	973.7	975.6	981.5	985.0	987.4	994.4	1002.6	1012.0	1022.7
20°	922.6	924.6	925.3	928.1	935.9	938.6	942.6	950.5	958.7	969.7	981.9
22.5°	872.3	875.1	876.7	880.2	886.5	888.8	892.7	904.2	913.2	923.0	934.3
25°	822.8	826.0	828.8	833.1	837.4	840.9	846.0	853.8	864.1	873.1	886.1
27.5°	774.6	777.4	778.1	783.2	788.4	793.0	795.8	805.2	813.8	824.8	837.4
30°	730.2	728.6	730.6	734.9	740.8	743.9	748.7	754.9	764.4	774.9	787.9
32.5°	681.5	681.5	684.7	689.8	694.4	696.9	698.5	707.0	716.4	726.7	737.3
35°	635.6	637.1	639.9	643.0	648.1	650.1	653.6	660.0	667.4	678.8	686.6
37.5°	591.2	592.4	595.1	598.3	602.2	606.1	607.7	614.4	619.9	629.3	636.8
40°	549.2	549.7	552.7	554.0	557.5	559.1	562.2	565.7	573.6	577.5	584.6
42.5°	506.8	508.8	510.0	512.7	513.2	516.2	517.8	519.0	525.3	527.7	531.6
45°	468.3	468.3	469.5	469.5	471.5	470.3	472.7	475.0	475.4	479.3	481.8
47.5°	428.3	427.2	428.7	428.3	427.9	427.9	428.7	429.1	430.2	433.0	434.2
50°	389.4	386.7	386.7	386.4	385.9	387.1	387.1	386.7	386.7	387.8	386.7
52.5°	349.8	349.0	347.0	345.5	344.7	344.7	344.7	343.1	343.1	342.4	339.6
55°	307.0	308.2	307.3	306.6	306.2	305.0	305.0	303.1	299.9	298.4	296.8
57.5°	270.1	271.7	271.7	270.1	268.1	267.4	265.4	264.2	261.4	258.7	255.5
60°	236.4	238.3	235.5	234.4	233.9	232.8	232.0	227.7	225.0	222.2	218.7
62.5°	204.1	205.0	203.0	201.8	200.6	199.5	199.0	195.6	190.8	187.3	183.0
65°	175.9	174.7	173.9	172.0	170.0	168.4	168.4	163.7	159.4	155.0	150.7
67.5°	146.5	147.2	146.1	144.5	141.3	139.7	137.4	134.2	130.3	126.1	120.9
70°	119.7	119.3	118.1	116.6	114.6	111.9	109.9	108.3	102.9	97.7	93.4
72.5°	95.4	95.0	93.8	91.9	89.2	87.9	86.4	82.5	78.2	73.8	69.1
75°	71.8	72.2	70.2	69.5	66.3	65.2	64.7	60.1	56.6	52.6	48.3
77.5°	51.4	51.4	49.5	47.9	46.3	45.6	44.0	41.2	38.5	34.6	31.0
80°	32.2	32.2	32.2	30.7	29.1	28.2	27.1	25.2	22.4	20.0	17.7
82.5°	17.2	17.2	16.5	16.1	15.3	14.5	14.2	13.3	11.4	10.3	8.7
85°	6.7	6.7	6.2	6.2	5.5	5.5	5.1	4.8	3.9	3.5	3.2
87.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	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°	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8
2.5°	1171.9	1171.9	1171.4	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1171.9	1172.3
5°	1159.3	1160.5	1160.9	1161.3	1162.0	1162.4	1162.9	1163.3	1163.6	1164.0	1164.0
7.5°	1143.2	1145.9	1148.0	1149.9	1150.7	1151.4	1152.6	1154.2	1155.4	1155.4	1155.0
10°	1123.9	1127.5	1131.5	1134.9	1136.1	1138.1	1140.1	1142.5	1144.4	1144.8	1144.8
12.5°	1098.9	1102.8	1109.9	1115.7	1118.1	1120.9	1124.8	1128.3	1130.3	1131.5	1131.0
15°	1067.5	1075.7	1085.6	1092.2	1095.3	1100.0	1106.3	1110.2	1113.4	1115.0	1114.2
17.5°	1033.3	1043.9	1054.5	1063.6	1067.9	1072.5	1081.2	1088.3	1093.0	1094.1	1093.4
20°	994.4	1006.2	1017.5	1029.0	1034.9	1040.4	1049.4	1058.4	1066.3	1067.9	1066.6
22.5°	948.1	961.5	975.1	988.1	994.8	999.9	1012.9	1023.0	1032.1	1036.1	1033.3
25°	900.3	914.3	928.8	940.2	947.7	956.3	968.2	979.9	990.9	1002.3	992.1
27.5°	849.2	862.1	877.4	893.2	900.3	906.5	918.7	933.6	945.0	956.3	945.0
30°	798.1	814.6	828.3	842.1	849.9	857.4	869.6	881.7	892.7	899.0	892.0
32.5°	750.3	762.4	776.2	789.5	795.0	800.8	811.1	822.5	833.1	835.0	830.3
35°	699.9	710.6	721.9	730.6	737.3	743.5	752.6	759.7	762.4	769.1	764.4
37.5°	643.0	652.5	662.7	669.0	674.9	680.0	686.6	693.0	695.3	700.4	696.9
40°	589.3	597.1	603.1	609.7	612.8	618.0	620.7	625.8	628.6	630.9	631.3
42.5°	537.5	541.7	546.1	550.8	552.0	553.1	559.8	563.4	566.2	567.6	565.3
45°	484.5	488.7	490.3	493.9	495.8	496.7	499.4	499.7	500.6	503.3	502.2
47.5°	436.2	436.6	437.8	439.3	440.1	440.1	441.7	440.1	440.9	441.2	442.1
50°	385.5	388.3	385.5	387.1	387.5	387.1	385.9	385.1	383.9	383.6	383.2
52.5°	337.6	338.0	336.4	335.3	334.1	334.5	331.4	329.8	330.2	327.8	330.5
55°	294.0	292.4	288.9	287.8	285.0	284.6	284.2	282.3	279.1	279.5	280.3
57.5°	252.0	249.3	245.8	243.8	243.0	239.9	239.4	236.4	234.4	233.9	233.9
60°	214.0	211.6	208.0	204.5	201.8	200.2	198.3	195.1	195.9	195.6	193.5
62.5°	177.9	175.1	170.0	166.0	164.5	163.3	160.5	158.2	157.1	158.2	157.1
65°	145.6	141.3	135.5	131.6	131.1	129.6	126.4	124.8	123.6	122.9	124.1
67.5°	115.8	109.9	106.4	101.3	98.9	98.1	93.8	91.5	91.9	91.5	91.9
70°	88.3	82.5	77.7	73.8	70.6	69.5	67.2	64.0	63.6	62.4	64.0
72.5°	64.0	58.9	54.6	50.2	47.5	45.9	42.8	39.7	38.8	38.1	38.1
75°	44.0	39.7	34.9	31.0	29.1	27.5	24.3	22.0	20.0	20.0	20.0
77.5°	27.5	23.9	20.4	17.7	16.5	14.9	12.2	9.8	9.0	7.8	8.2
80°	15.7	12.9	11.0	9.0	7.8	7.1	5.5	4.3	3.2	3.2	3.2
82.5°	7.5	6.2	4.8	3.9	3.5	2.7	2.0	1.6	1.2	0.7	0.7
85°	2.3	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°	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8
2.5°	1171.9	1172.3	1171.9	1172.3	1171.9	1172.7	1172.7	1172.3	1172.3	1172.3	1171.9
5°	1163.6	1163.6	1163.3	1163.3	1163.3	1162.9	1161.7	1161.7	1160.9	1160.5	1159.7
7.5°	1154.6	1153.8	1152.6	1152.3	1151.0	1149.9	1147.5	1145.5	1144.0	1142.0	1140.1
10°	1143.6	1141.6	1139.3	1137.7	1137.0	1134.2	1130.6	1126.0	1122.8	1119.3	1115.4
12.5°	1129.4	1127.1	1122.8	1119.6	1117.7	1112.6	1107.4	1101.6	1095.3	1089.0	1085.1
15°	1111.0	1107.1	1101.6	1098.5	1095.0	1087.9	1078.8	1070.5	1064.3	1057.2	1047.8
17.5°	1089.5	1083.5	1076.0	1071.0	1066.6	1057.2	1046.6	1036.1	1026.6	1018.0	1008.6
20°	1059.6	1052.6	1043.5	1036.8	1032.5	1020.3	1009.0	996.4	985.0	974.8	963.8
22.5°	1024.6	1012.9	1003.8	996.0	991.3	977.6	965.0	951.7	939.5	930.4	918.7
25°	980.6	969.3	957.9	951.7	944.1	929.7	916.7	902.9	891.6	880.2	869.2
27.5°	934.0	920.7	908.1	900.6	893.9	879.7	866.8	854.3	841.3	828.8	818.9
30°	882.9	869.6	859.8	850.3	842.9	831.5	815.4	802.8	791.4	780.1	769.9
32.5°	826.0	815.0	803.3	798.5	793.0	779.3	766.7	754.5	743.2	731.8	721.2
35°	760.0	751.4	744.4	739.3	735.7	723.5	713.7	700.8	693.7	682.3	674.5
37.5°	692.5	688.2	683.5	677.2	672.1	665.0	659.1	648.5	640.3	632.0	623.5
40°	627.7	623.1	616.7	613.6	612.5	606.1	597.9	592.4	587.7	580.2	575.6
42.5°	564.6	562.2	555.9	554.3	552.7	547.2	543.3	538.7	535.5	530.0	527.7
45°	500.2	499.7	498.1	496.7	495.8	491.9	491.2	485.2	482.5	481.3	479.0
47.5°	443.3	442.1	439.7	442.1	438.5	438.2	438.2	436.9	435.7	432.7	432.3
50°	385.1	387.1	387.5	386.4	388.7	388.3	386.4	386.7	387.5	389.1	386.7
52.5°	331.8	333.3	336.0	334.8	336.9	338.8	338.0	341.2	340.0	341.5	344.7
55°	281.1	285.5	288.2	286.9	288.5	291.0	291.7	294.4	296.8	299.5	301.5
57.5°	237.5	238.7	242.6	243.8	244.2	246.1	250.1	254.4	257.1	259.1	261.0
60°	194.7	198.6	201.4	201.4	204.5	207.3	210.8	214.7	217.9	222.6	226.1
62.5°	158.6	159.4	163.3	163.7	166.0	170.8	173.6	179.4	183.3	188.5	193.1
65°	123.6	127.2	129.6	130.0	133.5	137.0	141.0	146.5	152.0	156.2	160.5
67.5°	92.6	94.7	97.7	100.5	101.3	106.4	112.3	117.4	122.1	126.1	131.6
70°	64.7	66.3	70.6	72.2	74.6	78.5	83.2	88.7	94.2	99.7	104.1
72.5°	39.7	43.2	45.9	48.3	50.2	55.0	60.1	64.7	69.5	74.2	79.7
75°	22.0	24.3	27.5	29.8	31.8	35.3	40.1	44.7	49.1	53.4	57.3
77.5°	9.8	12.2	14.9	16.5	18.1	21.2	24.7	28.7	32.2	35.3	38.8
80°	3.9	5.5	7.1	8.2	9.0	11.0	13.7	15.7	18.1	20.8	23.6
82.5°	1.6	2.0	2.7	3.5	3.9	5.1	6.2	7.5	9.4	10.6	12.2
85°	0.4	0.4	0.7	0.7	1.2	1.6	2.0	2.7	3.2	3.5	4.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
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: P844219

CATALOG NUMBER: LD6C25DE010B35 EU6C25B35 6LBDWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8	1175.8
2.5°	1171.9	1171.4	1171.4	1171.4	1171.4	1171.1	1171.1	1171.1
5°	1160.1	1159.3	1159.0	1159.0	1157.8	1158.1	1158.1	1157.8
7.5°	1139.3	1138.5	1137.4	1138.1	1137.7	1136.5	1136.1	1135.8
10°	1112.2	1110.6	1110.2	1108.3	1107.1	1106.7	1106.7	1105.1
12.5°	1080.1	1075.7	1075.3	1073.3	1070.5	1069.1	1069.8	1067.5
15°	1044.3	1038.0	1034.9	1033.3	1030.1	1027.4	1025.1	1024.2
17.5°	1000.7	993.6	991.3	989.7	983.1	982.6	979.5	978.3
20°	955.1	948.9	945.3	943.0	937.9	933.2	932.8	932.4
22.5°	910.8	900.6	897.5	893.9	888.4	884.5	882.2	880.2
25°	860.6	852.3	846.8	843.3	839.3	836.2	833.1	832.7
27.5°	810.3	802.4	798.9	795.8	790.7	787.1	784.0	785.6
30°	761.2	753.4	749.4	747.1	742.0	740.0	734.5	735.3
32.5°	712.5	705.4	702.7	698.0	693.3	691.0	688.9	687.5
35°	665.8	660.0	656.1	652.9	648.5	644.6	642.6	642.6
37.5°	618.3	612.5	610.5	608.1	604.2	598.7	596.7	598.3
40°	570.1	565.7	563.7	562.2	558.2	556.3	554.3	554.3
42.5°	524.1	519.8	519.4	517.8	514.6	513.5	511.9	510.7
45°	476.3	474.2	472.7	472.7	472.2	471.9	470.8	469.9
47.5°	430.2	430.7	429.9	429.5	429.9	428.7	430.2	429.1
50°	388.3	387.5	388.3	387.5	387.8	389.4	387.8	389.1
52.5°	343.5	347.0	347.4	345.8	347.4	348.6	349.4	351.3
55°	303.9	305.0	305.9	307.3	308.2	310.5	308.2	308.2
57.5°	265.4	267.4	268.1	269.3	272.4	271.3	273.3	274.8
60°	230.5	232.8	234.4	235.5	236.7	239.4	240.3	239.9
62.5°	196.3	199.8	200.2	203.4	204.1	206.1	207.7	206.1
65°	164.5	167.6	170.0	172.0	174.3	176.3	175.9	177.0
67.5°	135.5	139.4	141.3	142.1	145.2	146.1	148.0	149.2
70°	109.1	111.9	114.2	115.4	117.4	119.7	121.7	122.9
72.5°	83.2	87.6	89.9	90.6	93.8	95.4	96.1	97.4
75°	61.7	65.2	66.3	68.3	69.9	73.4	73.0	73.8
77.5°	42.8	45.2	47.5	47.5	50.2	51.1	53.0	53.4
80°	25.5	28.2	29.4	29.8	31.8	33.0	33.7	34.6
82.5°	13.3	15.3	15.3	16.1	17.7	17.7	18.1	18.8
85°	5.1	5.9	6.2	6.2	6.7	7.5	7.5	7.8
87.5°	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2
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)