

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: P844202

Luminaire Tested: **LD6C25DE010B2750 EU6C25B30 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844202
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: LD6C25DE010B2750 EU6C25B30 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

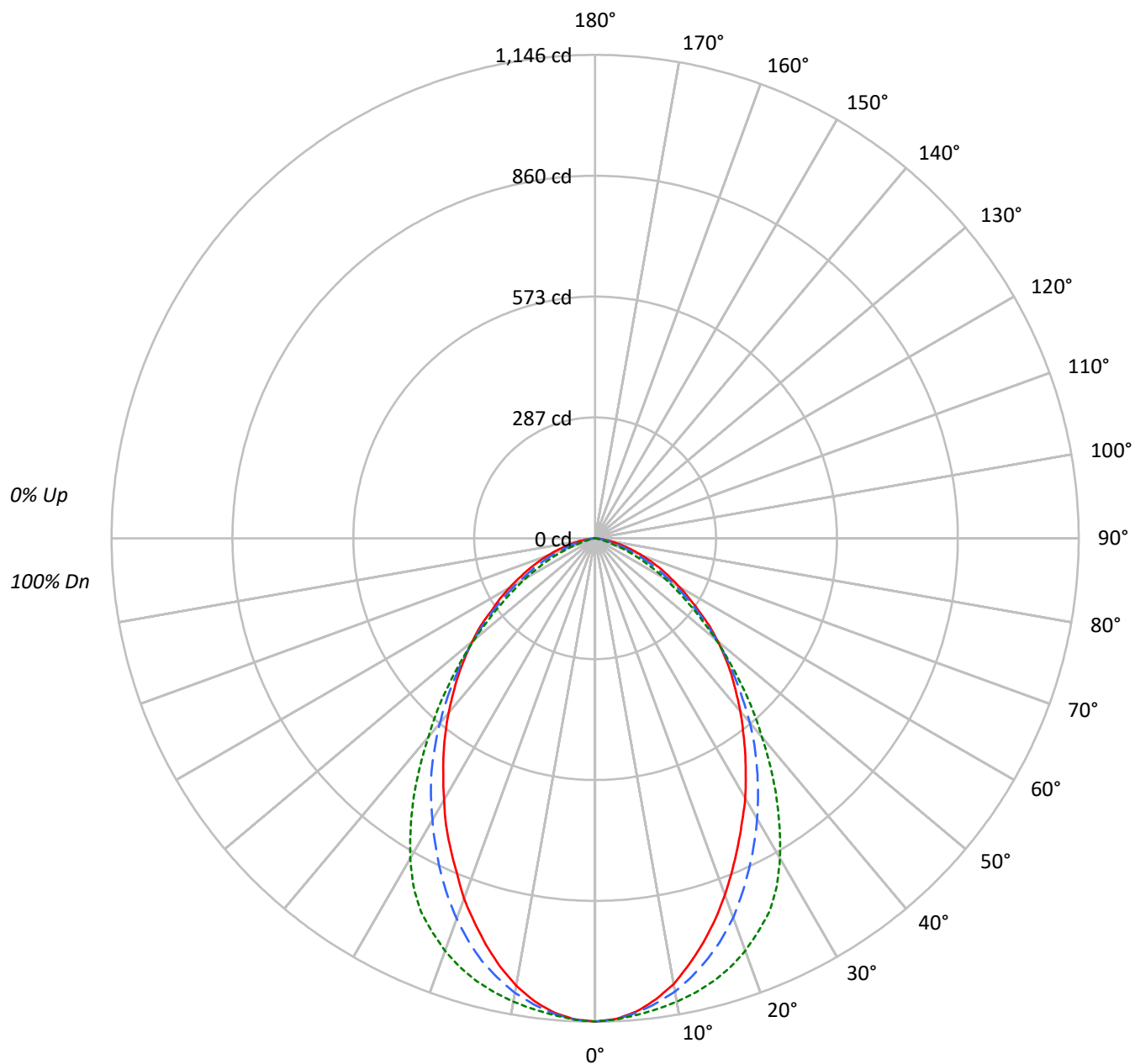
Lumens per Lamp: N/A
Luminaire Lumens: 2050.7 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	85		100	94	89	84		91	86	82		87	84	81		85	82	79
3	95	86	79	73		93	84	78	73		82	76	72		79	74	70		77	73	69
4	88	77	70	64		86	76	69	64		74	68	63		72	66	62		70	65	61
5	82	70	62	57		80	69	62	56		67	61	56		65	60	55		64	59	55
6	76	64	56	50		74	63	56	50		61	55	50		60	54	49		58	53	49
7	71	59	51	45		69	58	50	45		56	50	45		55	49	45		54	48	44
8	66	54	46	41		65	53	46	41		52	45	41		51	45	40		50	44	40
9	62	50	42	37		61	49	42	37		48	42	37		47	41	37		46	41	37
10	59	46	39	34		57	46	39	34		45	39	34		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	62802	62802	62802
5°	61974	62415	62079
10°	59713	62095	59941
15°	56272	61658	56641
20°	52446	60701	53000
25°	48499	59072	49073
30°	45039	55452	45349
35°	41452	50145	41907
40°	38300	43990	38651
45°	35384	38019	35492
50°	32366	31880	32332
55°	28587	26025	28701
60°	25239	20886	25623
65°	22220	15527	22376
70°	18705	9745	19186
75°	14827	4130	15229
80°	9913	979	10607
85°	4088	252	4780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	5.2
10°-20°	291.3	14.2
20°-30°	402.2	19.6
30°-40°	423.0	20.6
40°-50°	364.3	17.8
50°-60°	259.4	12.6
60°-70°	146.2	7.1
70°-80°	51.8	2.5
80°-90°	5.8	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°	800.2	39.0
0°-40°	1223.2	59.6
0°-60°	1846.9	90.1
0°-90°	2050.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2050.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1146	1146	1146	1146	1146	
5°	1126	1129	1134	1131	1128	106
15°	992	1032	1086	1037	998	278
25°	802	863	977	869	811	369
35°	619	669	749	676	626	388
45°	456	469	490	470	458	352
55°	299	289	272	289	300	270
65°	171	147	120	148	172	170
75°	70	47	20	48	72	76
85°	6	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°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1140.7	1141.1	1141.1	1141.5	1141.1	1141.1	1141.5	1141.5	1141.1	1141.5	1141.5
5°	1126.2	1125.7	1126.2	1126.6	1127.6	1127.6	1127.3	1127.3	1128.5	1128.1	1128.8
7.5°	1102.5	1102.5	1103.6	1104.4	1104.4	1104.7	1105.5	1107.0	1108.6	1108.9	1111.6
10°	1072.7	1073.0	1072.7	1074.1	1075.3	1077.2	1076.8	1079.5	1082.2	1086.0	1090.9
12.5°	1033.2	1034.4	1036.7	1036.7	1040.1	1042.0	1041.7	1047.7	1052.7	1057.3	1063.5
15°	991.5	991.1	993.0	996.1	999.6	1002.2	1003.4	1011.4	1016.4	1024.0	1031.7
17.5°	946.8	945.6	948.7	950.6	956.3	959.8	962.0	968.9	976.9	986.1	996.5
20°	899.0	900.9	901.6	904.3	912.0	914.6	918.4	926.1	934.1	944.9	956.7
22.5°	850.0	852.7	854.1	857.6	863.8	866.0	869.9	881.0	889.8	899.3	910.4
25°	801.8	804.9	807.5	811.7	816.0	819.3	824.3	832.0	842.0	850.8	863.3
27.5°	754.7	757.4	758.2	763.2	768.2	772.7	775.4	784.6	793.0	803.7	816.0
30°	711.5	710.0	711.9	716.1	721.8	724.9	729.4	735.6	744.8	755.2	767.7
32.5°	664.1	664.1	667.2	672.1	676.7	679.0	680.5	688.9	698.1	708.1	718.3
35°	619.4	620.8	623.5	626.5	631.5	633.4	636.9	643.0	650.3	661.3	669.1
37.5°	576.1	577.3	579.9	583.0	586.8	590.6	592.2	598.6	604.0	613.2	620.4
40°	535.2	535.6	538.5	539.7	543.2	544.7	547.7	551.2	558.9	562.7	569.5
42.5°	493.8	495.7	496.9	499.6	499.9	503.0	504.6	505.7	511.8	514.1	517.9
45°	456.4	456.4	457.5	457.5	459.4	458.3	460.6	462.8	463.2	467.1	469.4
47.5°	417.3	416.2	417.8	417.3	416.9	416.9	417.8	418.1	419.2	421.9	423.1
50°	379.5	376.8	376.8	376.4	376.0	377.2	377.2	376.8	376.8	377.9	376.8
52.5°	340.9	340.0	338.1	336.6	335.9	335.9	335.9	334.3	334.3	333.6	330.9
55°	299.1	300.3	299.5	298.8	298.4	297.2	297.2	295.3	292.2	290.7	289.2
57.5°	263.1	264.7	264.7	263.1	261.2	260.5	258.6	257.4	254.8	252.0	249.1
60°	230.2	232.2	229.5	228.3	228.0	226.9	226.1	221.9	219.1	216.5	213.1
62.5°	198.9	199.7	197.8	196.6	195.5	194.3	194.0	190.5	185.9	182.4	178.2
65°	171.3	170.2	169.4	167.5	165.6	164.1	164.1	159.5	155.3	151.1	146.9
67.5°	142.7	143.4	142.3	140.8	137.7	136.2	133.9	130.8	127.0	122.8	117.8
70°	116.7	116.3	115.2	113.6	111.7	109.0	107.1	105.6	100.3	95.3	91.1
72.5°	93.0	92.5	91.4	89.5	86.8	85.7	84.2	80.4	76.1	71.9	67.4
75°	70.0	70.3	68.4	67.7	64.6	63.5	63.1	58.5	55.1	51.3	47.1
77.5°	50.1	50.1	48.2	46.6	45.2	44.4	42.8	40.2	37.4	33.6	30.2
80°	31.4	31.4	31.4	29.8	28.3	27.5	26.4	24.4	21.8	19.5	17.2
82.5°	16.8	16.8	16.1	15.7	14.9	14.2	13.7	13.0	11.1	9.9	8.5
85°	6.5	6.5	6.1	6.1	5.4	5.4	5.0	4.5	3.8	3.5	3.1
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°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1141.8	1141.8	1141.5	1141.8	1141.8	1141.8	1141.8	1141.8	1141.8	1141.8	1142.2
5°	1129.6	1130.7	1131.1	1131.6	1132.3	1132.6	1133.0	1133.5	1133.8	1134.2	1134.2
7.5°	1113.9	1116.6	1118.6	1120.5	1121.2	1121.9	1123.1	1124.6	1125.7	1125.7	1125.4
10°	1095.2	1098.7	1102.5	1105.9	1107.0	1108.9	1110.8	1113.2	1115.1	1115.5	1115.5
12.5°	1070.6	1074.6	1081.4	1087.1	1089.5	1092.1	1095.9	1099.4	1101.3	1102.5	1102.1
15°	1040.1	1048.1	1057.7	1064.2	1067.3	1071.8	1077.9	1081.7	1084.8	1086.4	1085.7
17.5°	1006.8	1017.1	1027.5	1036.3	1040.5	1045.0	1053.5	1060.4	1064.9	1066.1	1065.4
20°	968.9	980.4	991.5	1002.6	1008.3	1013.7	1022.5	1031.3	1038.9	1040.5	1039.3
22.5°	923.8	936.9	950.2	962.9	969.3	974.3	986.9	996.8	1005.7	1009.5	1006.8
25°	877.1	891.0	905.0	916.1	923.4	931.9	943.3	954.8	965.5	976.6	966.7
27.5°	827.4	840.1	855.0	870.2	877.1	883.2	895.1	909.7	920.8	931.9	920.8
30°	777.7	793.8	807.1	820.5	828.1	835.4	847.3	859.1	869.9	876.0	869.1
32.5°	731.0	742.9	756.2	769.2	774.6	780.3	790.3	801.4	811.7	813.6	809.1
35°	682.1	692.3	703.4	711.9	718.3	724.5	733.3	740.2	742.9	749.3	744.8
37.5°	626.5	635.7	645.7	651.8	657.5	662.5	669.1	675.2	677.4	682.4	679.0
40°	574.2	581.8	587.5	594.1	597.1	602.1	604.8	609.7	612.5	614.7	615.1
42.5°	523.6	527.9	532.1	536.6	537.8	539.0	545.5	548.9	551.6	553.1	550.8
45°	472.0	476.3	477.7	481.2	483.1	483.9	486.6	486.9	487.7	490.4	489.3
47.5°	425.0	425.4	426.5	428.0	428.8	428.8	430.4	428.8	429.6	429.9	430.8
50°	375.7	378.3	375.7	377.2	377.6	377.2	376.0	375.2	374.1	373.8	373.3
52.5°	328.9	329.3	327.9	326.7	325.5	326.0	322.9	321.3	321.7	319.4	322.0
55°	286.5	285.0	281.5	280.4	277.7	277.3	277.0	275.0	272.0	272.3	273.1
57.5°	245.6	242.9	239.4	237.5	236.8	233.7	233.3	230.2	228.3	228.0	228.0
60°	208.5	206.1	202.7	199.3	196.6	195.1	193.1	190.2	190.9	190.5	188.6
62.5°	173.2	170.6	165.6	161.8	160.2	159.2	156.4	154.2	153.0	154.2	153.0
65°	141.9	137.7	132.0	128.2	127.8	126.3	123.2	121.6	120.5	119.7	120.9
67.5°	112.8	107.1	103.6	98.7	96.4	95.6	91.4	89.2	89.5	89.2	89.5
70°	86.1	80.4	75.7	71.9	68.9	67.7	65.4	62.4	62.0	60.8	62.4
72.5°	62.4	57.4	53.2	49.0	46.3	44.7	41.7	38.6	37.9	37.1	37.1
75°	42.8	38.6	34.1	30.2	28.3	26.8	23.7	21.5	19.5	19.5	19.5
77.5°	26.8	23.4	19.9	17.2	16.1	14.5	11.8	9.5	8.8	7.6	8.0
80°	15.3	12.6	10.7	8.8	7.6	6.9	5.4	4.2	3.1	3.1	3.1
82.5°	7.3	6.1	4.5	3.8	3.5	2.6	1.9	1.5	1.2	0.7	0.7
85°	2.3	1.9	1.5	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°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1141.8	1142.2	1141.8	1142.2	1141.8	1142.6	1142.6	1142.2	1142.2	1142.2	1141.8
5°	1133.8	1133.8	1133.5	1133.5	1133.5	1133.0	1131.9	1131.9	1131.1	1130.7	1130.0
7.5°	1125.0	1124.3	1123.1	1122.7	1121.6	1120.5	1118.1	1116.2	1114.6	1112.7	1110.8
10°	1114.3	1112.4	1110.1	1108.6	1107.8	1105.1	1101.6	1097.1	1094.0	1090.6	1086.7
12.5°	1100.6	1098.2	1094.0	1090.9	1089.0	1084.1	1079.1	1073.4	1067.3	1061.1	1057.3
15°	1082.6	1078.7	1073.4	1070.3	1066.8	1060.0	1051.2	1043.1	1037.0	1030.1	1020.9
17.5°	1061.5	1055.7	1048.5	1043.6	1039.3	1030.1	1019.8	1009.5	1000.3	991.8	982.8
20°	1032.5	1025.6	1016.8	1010.3	1006.0	994.2	983.1	970.8	959.8	949.9	939.1
22.5°	998.4	986.9	978.1	970.5	965.8	952.5	940.2	927.2	915.4	906.6	895.1
25°	955.6	944.5	933.4	927.2	919.9	905.9	893.2	879.8	868.7	857.6	847.0
27.5°	910.0	897.0	884.8	877.5	871.1	857.2	844.6	832.4	819.8	807.5	798.0
30°	860.3	847.3	837.8	828.6	821.3	810.1	794.5	782.2	771.2	760.1	750.2
32.5°	804.9	794.2	782.6	778.1	772.7	759.3	747.1	735.3	724.2	713.1	702.7
35°	740.6	732.2	725.2	720.2	716.9	705.0	695.4	682.8	675.9	664.8	657.2
37.5°	674.8	670.5	666.0	659.9	654.9	648.0	642.3	631.9	623.9	615.9	607.5
40°	611.6	607.1	600.9	597.9	596.7	590.6	582.5	577.3	572.6	565.4	560.8
42.5°	550.1	547.7	541.6	540.1	538.5	533.3	529.5	524.8	521.7	516.4	514.1
45°	487.4	486.9	485.5	483.9	483.1	479.3	478.6	472.8	470.1	469.0	466.7
47.5°	431.8	430.8	428.4	430.8	427.3	426.9	426.9	425.8	424.6	421.6	421.1
50°	375.2	377.2	377.6	376.4	378.7	378.3	376.4	376.8	377.6	379.1	376.8
52.5°	323.2	324.8	327.4	326.3	328.2	330.1	329.3	332.4	331.3	332.8	335.9
55°	273.9	278.1	280.8	279.6	281.1	283.4	284.2	286.9	289.2	291.9	293.8
57.5°	231.4	232.6	236.4	237.5	238.0	239.9	243.7	247.9	250.6	252.5	254.4
60°	189.7	193.5	196.2	196.2	199.3	202.0	205.4	209.2	212.3	216.9	220.3
62.5°	154.5	155.3	159.2	159.5	161.8	166.4	169.1	174.8	178.6	183.6	188.2
65°	120.5	124.0	126.3	126.6	130.1	133.5	137.3	142.7	148.1	152.2	156.4
67.5°	90.3	92.2	95.3	97.9	98.7	103.6	109.4	114.3	119.0	122.8	128.2
70°	63.1	64.6	68.9	70.3	72.7	76.5	81.1	86.4	91.8	97.2	101.3
72.5°	38.6	42.1	44.7	47.1	49.0	53.5	58.5	63.1	67.7	72.3	77.6
75°	21.5	23.7	26.8	29.1	31.0	34.5	39.0	43.6	47.8	52.0	55.8
77.5°	9.5	11.8	14.5	16.1	17.6	20.6	24.1	27.9	31.4	34.5	37.9
80°	3.8	5.4	6.9	8.0	8.8	10.7	13.4	15.3	17.6	20.3	23.0
82.5°	1.5	1.9	2.6	3.5	3.8	5.0	6.1	7.3	9.2	10.4	11.8
85°	0.4	0.4	0.7	0.7	1.2	1.5	1.9	2.6	3.1	3.5	4.2
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: P844202

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B30 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1141.8	1141.5	1141.5	1141.5	1141.5	1141.1	1141.1	1141.1
5°	1130.4	1129.6	1129.2	1129.2	1128.1	1128.5	1128.5	1128.1
7.5°	1110.1	1109.4	1108.2	1108.9	1108.6	1107.4	1107.0	1106.6
10°	1083.7	1082.2	1081.7	1079.8	1078.7	1078.4	1078.4	1076.8
12.5°	1052.3	1048.1	1047.7	1045.8	1043.1	1041.7	1042.4	1040.1
15°	1017.5	1011.4	1008.3	1006.8	1003.8	1001.1	998.8	998.0
17.5°	975.0	968.2	965.8	964.4	957.9	957.5	954.4	953.2
20°	930.7	924.6	921.1	918.9	913.9	909.2	908.9	908.5
22.5°	887.5	877.5	874.5	871.1	865.7	861.9	859.5	857.6
25°	838.5	830.5	825.1	821.7	817.9	814.8	811.7	811.3
27.5°	789.5	781.9	778.4	775.4	770.4	767.0	763.9	765.4
30°	741.7	734.1	730.3	728.0	723.0	721.1	715.7	716.4
32.5°	694.3	687.4	684.7	680.2	675.5	673.3	671.4	669.8
35°	648.8	643.0	639.2	636.2	631.9	628.1	626.2	626.2
37.5°	602.4	596.7	594.8	592.5	588.7	583.4	581.5	583.0
40°	555.5	551.2	549.3	547.7	543.9	542.0	540.1	540.1
42.5°	510.6	506.5	506.1	504.6	501.5	500.4	498.8	497.6
45°	464.0	462.1	460.6	460.6	460.2	459.8	458.7	457.8
47.5°	419.2	419.7	418.8	418.5	418.8	417.8	419.2	418.1
50°	378.3	377.6	378.3	377.6	377.9	379.5	377.9	379.1
52.5°	334.7	338.1	338.5	337.0	338.5	339.7	340.5	342.4
55°	296.0	297.2	298.0	299.5	300.3	302.6	300.3	300.3
57.5°	258.6	260.5	261.2	262.4	265.5	264.3	266.2	267.8
60°	224.5	226.9	228.3	229.5	230.7	233.3	234.1	233.7
62.5°	191.2	194.7	195.1	198.2	198.9	200.8	202.3	200.8
65°	160.2	163.3	165.6	167.5	169.9	171.8	171.3	172.5
67.5°	132.0	135.8	137.7	138.4	141.5	142.3	144.3	145.3
70°	106.3	109.0	111.3	112.4	114.3	116.7	118.6	119.7
72.5°	81.1	85.4	87.6	88.3	91.4	93.0	93.7	94.9
75°	60.1	63.5	64.6	66.5	68.1	71.5	71.2	71.9
77.5°	41.7	44.0	46.3	46.3	49.0	49.7	51.6	52.0
80°	24.9	27.5	28.7	29.1	31.0	32.2	32.9	33.6
82.5°	13.0	14.9	14.9	15.7	17.2	17.2	17.6	18.4
85°	5.0	5.7	6.1	6.1	6.5	7.3	7.3	7.6
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)