

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: P844306

Luminaire Tested: **LD6C30DE010B2750 EU6C30B35 6LBLWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844306
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: LD6C30DE010B2750 EU6C30B35 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

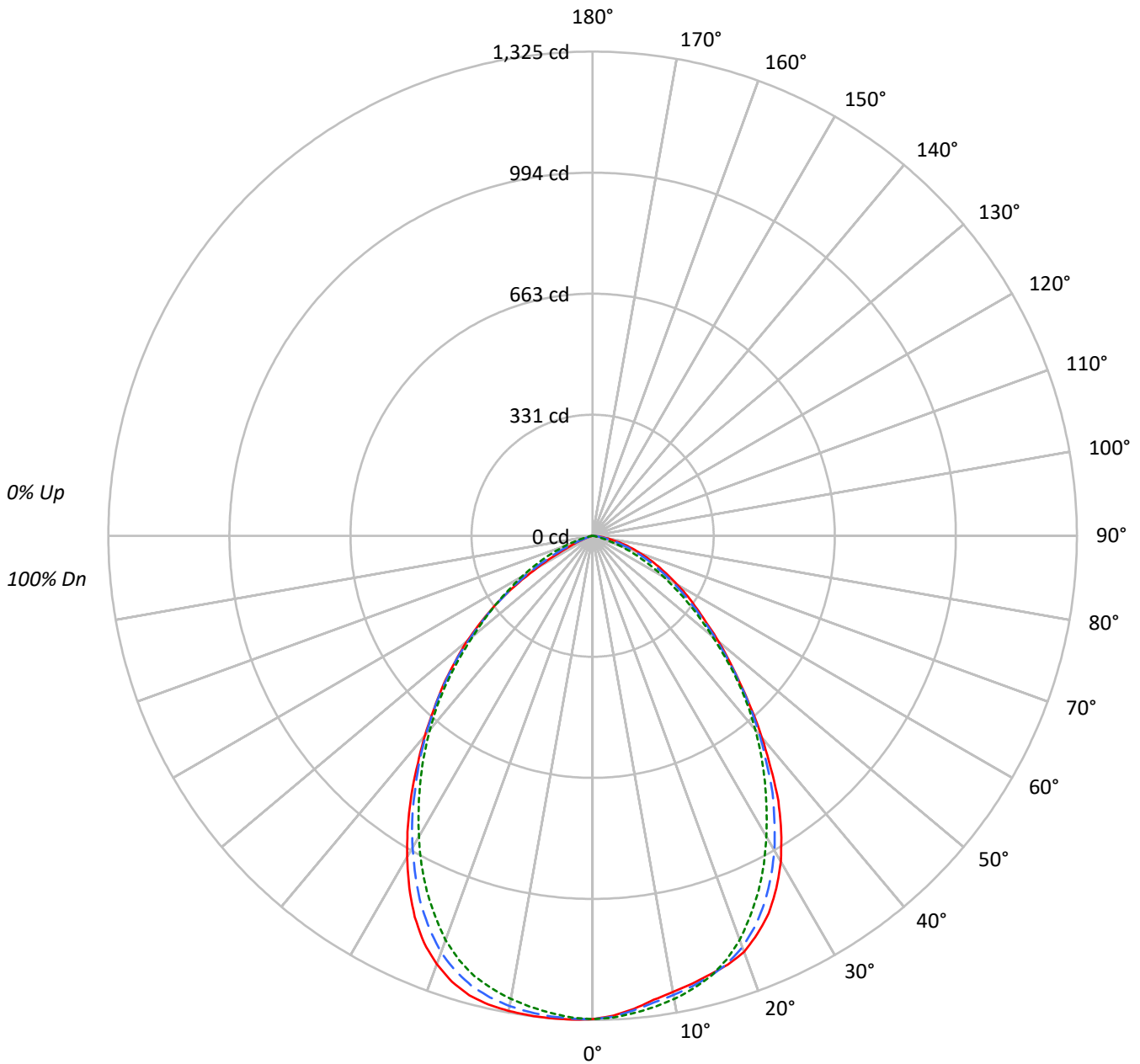
Lumens per Lamp: N/A
Luminaire Lumens: 2432.5 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 34.1
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°	72511	72511	72511
5°	71511	72133	72931
10°	70562	71653	73507
15°	70528	70829	73905
20°	70689	68647	72777
25°	68956	64915	69639
30°	65194	60186	64225
35°	59280	54977	57842
40°	51532	49500	51067
45°	44167	43392	44788
50°	38310	36366	38199
55°	33251	30231	30068
60°	29263	24483	19023
65°	25684	18588	9119
70°	22055	12326	3350
75°	17961	5168	911
80°	12154	1231	410
85°	4906	252	252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	5.1
10°-20°	354.8	14.6
20°-30°	508.5	20.9
30°-40°	529.9	21.8
40°-50°	439.0	18.0
50°-60°	291.0	12.0
60°-70°	140.9	5.8
70°-80°	39.9	1.6
80°-90°	3.9	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°	987.9	40.6
0°-40°	1517.8	62.4
0°-60°	2247.9	92.4
0°-90°	2432.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2432.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1323	1323	1323	1323	1323	
5°	1300	1303	1311	1320	1325	123
15°	1243	1247	1248	1276	1302	351
25°	1140	1111	1073	1112	1151	521
35°	886	858	822	847	864	549
45°	570	568	560	574	578	443
55°	348	336	316	311	315	314
65°	198	179	143	98	70	197
75°	85	65	24	5	4	91
85°	8	4	0	0	0	13
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°	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7
2.5°	1314.4	1314.9	1315.7	1314.9	1315.3	1315.7	1315.7	1316.1	1316.1	1316.5	1317.0
5°	1299.5	1300.8	1300.8	1300.8	1300.8	1301.3	1301.7	1301.7	1301.3	1301.3	1303.0
7.5°	1280.7	1282.1	1281.6	1282.1	1282.5	1283.8	1283.3	1284.2	1285.1	1286.4	1288.2
10°	1267.6	1268.1	1267.6	1268.9	1269.8	1270.6	1270.6	1271.6	1272.4	1273.7	1275.9
12.5°	1255.8	1256.3	1256.7	1257.5	1258.5	1258.1	1258.9	1259.7	1260.2	1261.0	1262.4
15°	1242.7	1244.9	1244.4	1244.9	1245.4	1245.8	1246.2	1246.6	1246.2	1246.2	1247.1
17.5°	1230.5	1230.9	1231.4	1231.4	1231.4	1231.4	1230.5	1230.5	1229.2	1227.8	1227.0
20°	1211.7	1211.2	1210.4	1210.4	1208.7	1209.1	1207.3	1206.4	1204.2	1201.2	1198.2
22.5°	1178.9	1181.1	1180.2	1177.1	1175.5	1175.5	1173.7	1169.7	1166.3	1162.8	1158.8
25°	1140.0	1139.2	1137.8	1136.1	1133.5	1131.8	1129.1	1126.5	1120.8	1114.6	1111.1
27.5°	1088.0	1089.4	1086.3	1083.7	1082.4	1079.7	1077.1	1073.6	1066.6	1061.3	1055.3
30°	1029.9	1029.1	1028.7	1025.1	1021.6	1022.5	1017.2	1013.3	1008.0	999.4	994.5
32.5°	960.0	961.3	958.6	958.2	951.7	950.8	950.8	944.7	940.3	932.0	925.4
35°	885.8	884.8	884.0	880.9	880.5	877.8	875.6	871.3	865.6	863.0	857.7
37.5°	800.1	800.5	800.9	800.9	799.1	797.5	795.7	795.7	787.8	786.6	780.4
40°	720.1	721.4	721.0	717.9	718.3	718.8	718.3	717.9	713.2	711.4	710.5
42.5°	642.3	644.5	642.3	641.9	642.3	642.3	641.5	642.7	640.6	642.3	638.4
45°	569.7	571.5	570.3	569.7	568.9	571.1	568.5	570.7	569.3	567.2	568.1
47.5°	507.3	505.5	507.3	506.4	505.1	503.3	506.0	504.7	501.6	501.2	502.1
50°	449.2	448.3	449.2	448.8	446.5	446.5	446.1	445.3	444.4	441.8	440.0
52.5°	393.7	396.7	394.6	396.7	393.7	392.4	392.8	391.5	389.7	388.9	385.4
55°	347.9	348.3	348.3	348.3	346.5	345.6	344.8	343.8	343.8	339.9	336.4
57.5°	308.1	307.1	306.7	305.4	304.6	303.6	302.8	300.2	297.6	294.0	291.5
60°	266.9	267.9	267.9	266.1	264.8	263.5	263.0	261.3	258.3	254.8	250.8
62.5°	231.6	232.5	230.2	230.2	227.7	227.2	227.2	224.6	221.2	217.1	212.8
65°	198.0	197.5	198.4	195.3	195.8	193.1	192.3	190.9	187.4	182.7	178.7
67.5°	166.0	166.9	165.6	164.8	163.0	162.1	161.3	157.3	155.6	151.1	146.8
70°	137.6	136.8	135.9	135.9	134.1	132.8	132.4	128.1	125.9	122.4	117.5
72.5°	110.9	110.1	109.3	107.9	106.6	106.2	103.5	100.9	98.4	93.9	90.4
75°	84.8	84.3	83.4	82.6	80.4	79.5	79.1	76.0	71.2	67.7	64.6
77.5°	61.1	61.7	59.9	58.1	56.8	55.5	54.6	52.0	49.0	45.1	42.0
80°	38.5	38.9	38.5	37.1	35.4	35.0	33.6	31.9	29.3	26.7	24.4
82.5°	20.5	20.5	20.1	19.7	18.4	18.4	17.5	16.2	14.8	13.5	11.8
85°	7.8	7.8	7.4	7.0	6.6	6.6	6.1	5.7	4.8	4.3	3.5
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°	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7
2.5°	1317.0	1317.4	1317.9	1318.3	1318.3	1318.3	1318.8	1319.2	1319.2	1319.6	1320.0
5°	1303.9	1304.3	1305.6	1306.1	1306.9	1306.5	1307.9	1309.1	1310.0	1310.8	1312.2
7.5°	1289.0	1290.3	1292.1	1293.4	1293.8	1294.2	1295.6	1297.3	1298.7	1300.4	1301.7
10°	1276.8	1278.2	1279.8	1281.6	1281.6	1282.5	1283.3	1284.7	1286.0	1287.2	1289.0
12.5°	1263.2	1265.0	1265.5	1266.3	1266.3	1266.7	1267.6	1268.1	1269.4	1269.8	1272.4
15°	1247.1	1247.1	1247.1	1247.1	1247.1	1246.6	1245.8	1246.6	1246.6	1248.0	1249.3
17.5°	1224.8	1224.8	1222.2	1220.8	1221.4	1219.1	1218.7	1216.9	1216.9	1216.9	1218.3
20°	1195.5	1191.6	1188.6	1184.5	1182.9	1182.0	1181.1	1177.1	1176.7	1176.7	1176.7
22.5°	1154.0	1149.6	1145.3	1142.2	1137.4	1135.7	1133.9	1131.2	1128.2	1126.5	1130.4
25°	1103.3	1098.0	1092.9	1086.7	1085.4	1083.2	1078.9	1076.2	1074.9	1073.2	1074.0
27.5°	1049.6	1042.2	1036.5	1030.3	1028.1	1025.6	1021.6	1017.7	1013.3	1014.2	1014.2
30°	987.9	979.3	973.1	965.7	965.2	962.7	959.2	954.3	950.8	950.8	953.0
32.5°	921.1	915.0	909.4	901.0	899.7	897.9	895.3	891.0	888.3	885.8	887.5
35°	853.4	843.8	839.9	834.6	835.0	830.2	826.3	823.7	824.1	821.5	822.8
37.5°	780.4	774.7	769.0	766.9	764.7	762.0	760.3	758.5	757.7	757.7	756.8
40°	706.6	703.5	700.9	700.0	696.0	697.0	696.6	695.2	692.5	691.7	694.3
42.5°	637.1	634.1	632.7	630.6	630.1	628.8	628.8	627.5	627.1	627.5	627.1
45°	565.4	565.0	561.9	561.9	563.7	562.3	558.9	561.1	561.1	559.7	562.3
47.5°	499.4	499.8	498.1	494.7	494.7	492.4	489.8	492.0	493.3	491.2	492.4
50°	439.6	436.9	433.4	430.9	432.1	431.3	429.1	427.4	426.0	426.4	428.2
52.5°	382.8	381.5	377.6	374.5	373.6	374.1	371.4	368.8	369.2	368.8	368.0
55°	331.7	331.7	326.4	325.1	321.6	321.6	318.1	317.7	316.3	316.3	314.2
57.5°	287.6	283.6	280.5	277.4	276.1	274.5	273.1	270.0	268.7	266.1	265.7
60°	246.9	242.1	239.9	236.4	233.7	232.0	229.8	227.2	225.5	223.3	220.6
62.5°	210.6	205.4	201.0	197.5	195.3	194.9	191.4	188.4	184.9	182.2	177.9
65°	174.3	171.3	166.5	161.7	160.8	158.6	155.2	151.7	147.2	143.3	140.7
67.5°	142.5	138.6	134.1	131.6	128.5	126.7	122.8	117.5	112.7	108.8	104.0
70°	114.0	108.4	104.4	100.1	99.2	95.3	91.8	86.5	82.2	76.9	69.9
72.5°	85.7	80.0	76.9	72.6	69.9	67.7	62.9	58.1	51.1	47.2	41.0
75°	60.3	55.5	51.1	46.7	45.1	42.0	38.0	32.8	28.5	24.4	20.1
77.5°	37.5	34.5	30.6	27.1	25.4	23.6	20.5	16.6	13.5	10.5	7.8
80°	21.4	18.8	16.2	13.5	12.7	11.8	9.2	7.0	5.7	3.9	2.6
82.5°	10.0	8.2	7.0	5.7	5.3	4.3	3.1	2.2	1.3	0.8	0.4
85°	3.1	2.2	1.8	1.3	0.8	0.8	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°	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7
2.5°	1320.0	1320.5	1320.9	1320.9	1320.9	1321.4	1321.4	1322.3	1322.7	1323.1	1323.1
5°	1313.1	1314.4	1315.3	1315.7	1316.1	1317.4	1317.9	1319.2	1320.0	1320.9	1321.8
7.5°	1303.4	1304.8	1306.5	1307.3	1308.3	1310.0	1311.4	1313.5	1314.9	1316.5	1318.3
10°	1291.3	1293.0	1295.6	1296.4	1297.3	1299.5	1302.2	1304.8	1306.9	1309.6	1311.8
12.5°	1273.3	1275.9	1279.0	1279.8	1281.2	1284.2	1287.2	1291.3	1294.2	1297.8	1301.3
15°	1251.0	1254.5	1256.7	1257.5	1259.3	1263.7	1266.7	1271.1	1275.9	1281.2	1285.1
17.5°	1220.0	1221.8	1225.7	1227.4	1229.6	1233.9	1238.8	1244.0	1248.4	1254.0	1260.2
20°	1179.4	1182.0	1186.8	1188.6	1191.1	1195.1	1202.1	1206.4	1213.4	1220.4	1224.8
22.5°	1128.7	1133.5	1138.3	1140.4	1142.2	1147.0	1151.9	1159.3	1165.0	1174.5	1180.2
25°	1076.2	1077.5	1081.4	1085.4	1086.3	1092.4	1098.0	1106.8	1112.5	1118.7	1126.5
27.5°	1016.0	1017.7	1023.8	1024.6	1025.1	1031.6	1038.2	1045.3	1050.0	1057.0	1060.9
30°	953.0	956.1	958.6	960.4	963.5	966.6	972.7	981.4	984.9	991.0	996.3
32.5°	888.7	888.7	894.9	895.3	897.1	904.1	907.6	912.8	919.0	923.7	923.3
35°	825.0	826.8	828.9	831.9	833.3	837.6	838.9	842.9	846.8	850.3	854.7
37.5°	759.0	759.0	763.8	765.9	767.3	769.5	771.6	775.6	777.8	779.1	781.7
40°	696.0	697.8	698.7	699.6	699.6	702.6	704.4	707.5	708.7	712.2	710.5
42.5°	632.3	631.4	631.8	634.1	634.5	636.2	637.5	639.2	641.0	640.2	643.3
45°	564.6	565.0	565.8	565.8	567.2	569.3	571.5	572.4	573.8	575.9	576.3
47.5°	493.8	495.9	494.7	498.1	499.0	499.4	504.7	505.1	509.5	510.4	510.4
50°	427.8	427.8	430.5	431.7	432.6	433.9	435.6	437.4	438.7	441.8	442.6
52.5°	368.4	369.2	369.2	368.0	369.2	369.2	373.6	374.1	373.6	374.5	375.8
55°	315.1	315.5	312.8	314.6	314.2	312.8	313.7	311.2	310.6	312.0	311.2
57.5°	263.9	262.2	261.8	259.5	259.5	257.3	255.2	255.2	253.4	250.3	249.9
60°	218.1	215.4	213.6	212.4	208.9	206.7	203.6	201.0	197.5	193.5	191.4
62.5°	174.8	171.8	168.3	166.5	163.8	158.6	154.7	150.7	145.1	141.6	138.1
65°	136.3	131.6	125.9	123.2	120.6	115.8	110.5	104.0	98.4	93.5	87.4
67.5°	98.8	93.5	87.8	83.9	81.2	75.6	69.5	63.8	57.2	52.0	49.0
70°	64.6	58.1	52.9	49.8	47.2	41.5	35.9	31.0	27.9	26.7	26.2
72.5°	36.7	30.1	26.2	23.2	20.9	17.0	14.0	12.3	11.3	10.9	10.0
75°	15.8	11.8	9.2	7.4	6.6	5.3	4.8	4.8	4.8	4.3	4.3
77.5°	5.7	3.9	3.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	1.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.8	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: P844306

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B35 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7
2.5°	1323.5	1324.5	1324.5	1324.9	1325.3	1325.3	1325.3	1325.3
5°	1322.7	1323.5	1323.9	1324.5	1324.9	1325.3	1325.3	1325.3
7.5°	1319.2	1320.9	1321.4	1322.3	1323.1	1323.5	1323.5	1323.9
10°	1313.9	1315.7	1317.0	1317.9	1318.8	1319.6	1320.5	1320.5
12.5°	1304.3	1306.9	1308.7	1309.6	1311.8	1312.6	1313.5	1314.4
15°	1288.6	1292.1	1294.2	1296.0	1297.8	1300.4	1300.8	1302.2
17.5°	1265.0	1269.8	1270.6	1273.3	1275.5	1279.8	1279.4	1279.8
20°	1230.9	1236.2	1238.0	1240.5	1244.0	1247.1	1249.7	1247.5
22.5°	1185.5	1191.6	1194.2	1196.8	1199.0	1201.7	1205.2	1205.6
25°	1131.8	1137.0	1139.2	1140.9	1145.3	1147.4	1150.9	1151.3
27.5°	1070.1	1073.2	1076.2	1077.1	1082.0	1083.2	1086.3	1086.3
30°	1000.2	1003.7	1007.2	1008.5	1009.8	1011.1	1013.3	1014.6
32.5°	928.5	932.0	933.4	935.6	936.0	938.1	937.3	940.8
35°	856.9	857.7	859.1	858.6	861.7	861.2	864.7	864.3
37.5°	784.8	783.9	786.1	788.3	787.4	786.6	787.8	785.6
40°	712.6	713.2	713.6	715.7	713.6	714.9	714.0	713.6
42.5°	645.4	645.4	642.7	645.4	643.7	642.7	644.5	641.9
45°	577.3	576.8	577.3	577.7	577.7	577.7	575.9	577.7
47.5°	512.5	513.0	511.3	514.3	513.4	511.7	511.7	510.4
50°	444.0	446.5	449.6	447.1	449.2	447.9	446.5	447.9
52.5°	378.8	380.6	378.4	378.8	383.6	383.6	381.1	380.6
55°	309.4	309.4	310.2	310.6	311.2	316.8	313.7	314.6
57.5°	247.3	247.3	246.0	248.6	246.9	244.7	246.9	241.2
60°	187.9	187.4	186.1	184.3	180.0	178.7	173.9	173.5
62.5°	133.7	128.9	127.1	123.6	118.9	117.5	112.7	112.3
65°	83.0	77.3	75.6	73.8	71.7	71.2	69.5	70.3
67.5°	47.2	46.3	45.9	44.5	43.7	42.8	42.8	42.4
70°	24.9	23.2	22.7	22.3	22.3	20.5	20.1	20.9
72.5°	9.6	8.8	8.8	8.8	8.2	8.2	8.2	8.2
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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)