

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: P844298

Luminaire Tested: **LD6C30DE010B2750 EU6C30B30 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C30DE010B2750 EU6C30B30 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

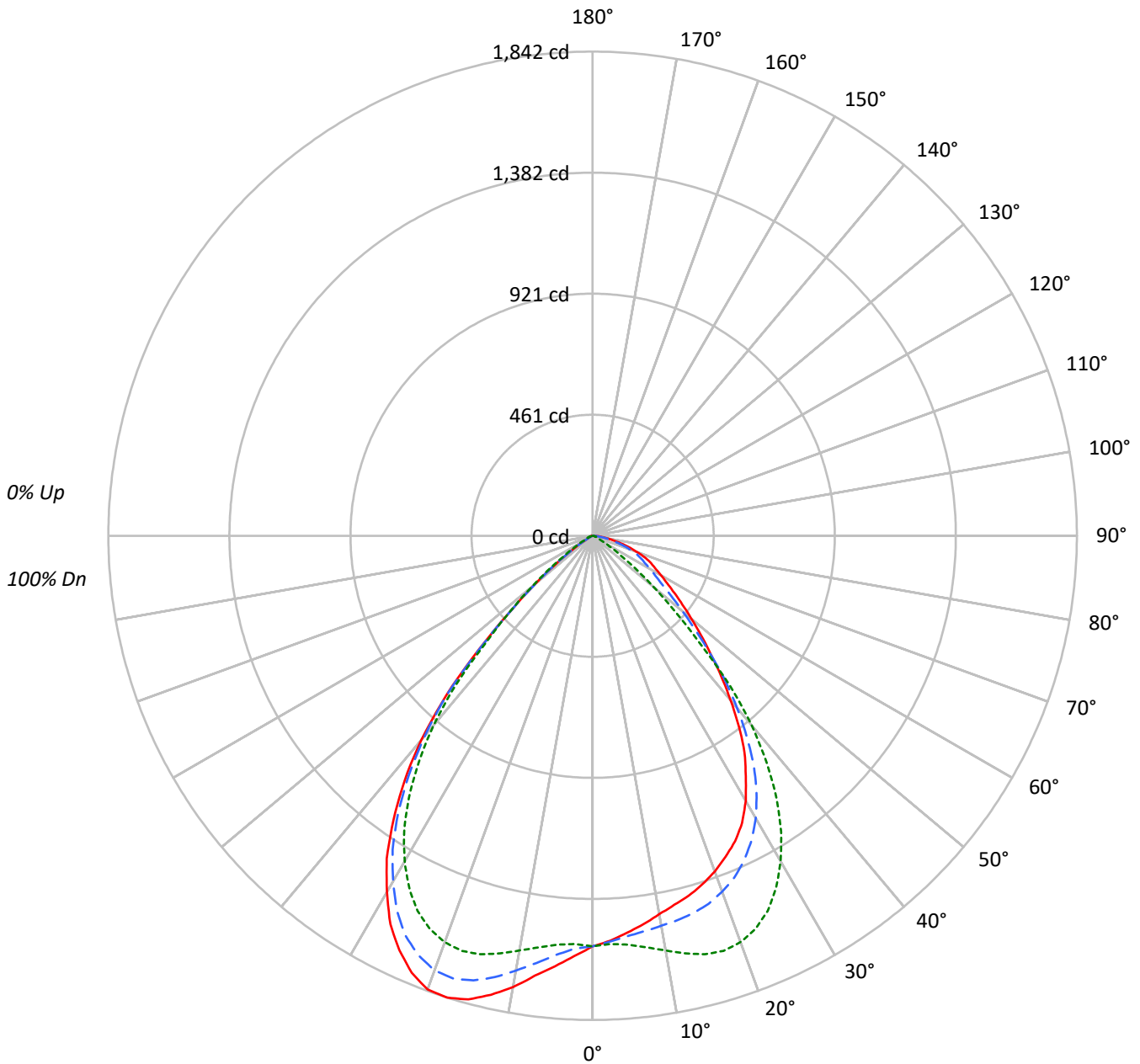
Lumens per Lamp: N/A
Luminaire Lumens: 2854.5 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P844298

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844298

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBSWLI

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	100	100
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90	90	90
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72	72	72	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58	58
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53	53	53	53
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48	48	48	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	40	40	40
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	85613	85613	85613
5°	83392	85940	90458
10°	81361	89177	97070
15°	80409	93542	103627
20°	79259	95984	107133
25°	77575	95274	105206
30°	73720	90539	99047
35°	67438	81633	88425
40°	58338	67412	72543
45°	49199	44222	47455
50°	41764	25594	24067
55°	36252	12272	9271
60°	32739	5723	2281
65°	31754	3295	765
70°	28482	2629	705
75°	23405	1906	318
80°	17426	947	0
85°	15033	0	0



TEST NUMBER: P844298

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	5.3
10°-20°	459.7	16.1
20°-30°	702.4	24.6
30°-40°	734.6	25.7
40°-50°	476.6	16.7
50°-60°	189.2	6.6
60°-70°	89.7	3.1
70°-80°	42.7	1.5
80°-90°	8.7	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°	1313.0	46.0
0°-40°	2047.6	71.7
0°-60°	2713.4	95.1
0°-90°	2854.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2854.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1562	1562	1562	1562	1562	
5°	1515	1529	1562	1600	1644	143
15°	1417	1486	1648	1751	1826	399
25°	1282	1363	1575	1681	1739	587
35°	1008	1069	1220	1291	1321	623
45°	635	629	570	605	612	494
55°	379	322	128	100	97	344
65°	245	203	25	6	6	239
75°	110	90	9	3	2	119
85°	24	15	0	0	0	28
90°	0	0	0	0	0	



TEST NUMBER: P844298

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBSWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7
2.5°	1542.2	1545.2	1528.8	1524.4	1536.3	1540.8	1542.2	1537.8	1539.3	1545.2	1545.2
5°	1515.4	1518.3	1503.4	1499.0	1510.9	1513.9	1518.3	1516.9	1521.4	1530.3	1528.8
7.5°	1490.0	1494.5	1478.0	1472.1	1487.0	1494.5	1497.5	1497.5	1503.4	1515.4	1516.9
10°	1461.6	1467.6	1452.7	1449.7	1466.1	1473.6	1475.1	1478.0	1487.0	1503.4	1506.4
12.5°	1437.7	1443.7	1433.3	1428.8	1446.7	1454.1	1457.1	1463.1	1473.6	1494.5	1497.5
15°	1416.8	1421.4	1409.4	1406.4	1424.3	1433.3	1434.8	1443.7	1457.1	1481.0	1485.6
17.5°	1389.9	1392.9	1384.0	1381.1	1398.9	1407.8	1409.4	1419.8	1436.3	1460.2	1467.6
20°	1358.6	1361.6	1352.6	1349.6	1367.5	1378.0	1379.5	1388.5	1407.8	1433.3	1440.7
22.5°	1321.3	1327.3	1316.9	1313.8	1331.8	1340.7	1345.2	1352.6	1372.1	1397.5	1407.8
25°	1282.5	1282.5	1275.1	1273.5	1290.0	1300.4	1298.9	1309.4	1328.7	1354.2	1363.1
27.5°	1231.7	1230.2	1222.7	1221.2	1239.2	1248.1	1245.2	1255.6	1273.5	1298.9	1307.9
30°	1164.6	1167.5	1157.1	1154.1	1169.0	1183.9	1182.4	1192.9	1210.8	1234.7	1240.7
32.5°	1083.9	1086.9	1085.4	1080.9	1094.3	1101.8	1106.3	1113.8	1128.7	1154.1	1160.0
35°	1007.7	1003.3	997.3	997.3	1010.8	1022.7	1018.2	1027.2	1042.1	1067.5	1069.0
37.5°	913.7	912.2	909.2	906.3	921.2	924.2	925.6	931.6	945.1	965.9	963.0
40°	815.2	816.6	815.2	809.2	818.2	830.1	828.6	831.6	843.5	858.5	854.0
42.5°	722.6	722.6	722.6	716.7	727.1	733.0	736.0	734.5	737.5	751.0	745.0
45°	634.6	636.0	634.6	633.0	634.6	637.5	634.6	633.0	633.0	637.5	628.6
47.5°	558.4	558.4	553.9	549.4	553.9	555.4	550.9	546.5	544.9	543.5	528.5
50°	489.7	488.2	486.7	479.3	483.7	485.2	479.3	476.3	470.3	462.8	444.9
52.5°	430.0	428.4	427.0	419.6	422.5	424.0	418.1	412.1	404.5	398.6	376.2
55°	379.3	377.7	377.7	373.2	370.3	373.2	367.3	362.8	352.3	344.9	322.5
57.5°	335.9	335.9	332.9	328.4	330.0	330.0	324.0	318.0	309.0	300.1	282.2
60°	298.6	298.6	298.6	294.1	294.1	294.1	291.2	285.1	277.7	268.7	250.9
62.5°	268.7	268.7	267.3	262.8	264.2	264.2	261.2	255.3	247.9	241.9	223.9
65°	244.8	244.8	244.8	240.4	240.4	241.9	238.9	232.9	227.0	219.5	203.1
67.5°	215.0	213.5	213.5	210.5	211.9	213.5	210.5	206.0	198.6	194.1	179.2
70°	177.7	179.2	180.6	176.2	177.7	177.7	176.2	171.8	167.2	162.8	149.3
72.5°	144.8	144.8	143.3	141.8	141.8	143.3	140.3	135.9	132.8	129.9	119.4
75°	110.5	108.9	110.5	107.6	107.6	107.6	104.5	103.0	101.5	97.0	89.6
77.5°	80.6	79.1	79.1	76.1	77.6	77.6	76.1	73.2	70.1	68.6	62.7
80°	55.2	55.2	55.2	53.7	53.7	52.2	52.2	50.8	47.8	46.3	43.4
82.5°	37.3	37.3	37.3	35.9	35.9	35.9	34.4	32.8	31.4	29.8	26.9
85°	23.9	23.9	23.9	22.4	22.4	22.4	20.8	20.8	19.5	17.9	14.9
87.5°	13.4	13.4	13.4	12.0	12.0	12.0	12.0	12.0	10.5	9.0	7.5
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: P844298

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBSWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7
2.5°	1555.7	1534.8	1548.2	1548.2	1543.7	1555.7	1563.2	1569.1	1567.6	1554.2	1552.7
5°	1543.7	1525.8	1540.8	1542.2	1537.8	1554.2	1564.7	1572.1	1573.7	1561.7	1563.2
7.5°	1534.8	1519.8	1539.3	1545.2	1543.7	1558.7	1570.7	1582.5	1588.6	1579.6	1581.1
10°	1530.3	1518.3	1539.3	1548.2	1549.8	1566.1	1584.0	1600.5	1607.9	1602.0	1606.4
12.5°	1524.4	1516.9	1540.8	1554.2	1560.1	1576.6	1599.0	1618.4	1630.3	1627.4	1636.3
15°	1518.3	1512.4	1540.8	1560.1	1567.6	1582.5	1607.9	1636.3	1649.8	1648.2	1660.2
17.5°	1503.4	1501.9	1531.8	1552.7	1563.2	1581.1	1605.0	1639.2	1652.8	1655.7	1670.6
20°	1479.5	1479.5	1512.4	1534.8	1546.8	1563.2	1593.0	1625.9	1642.3	1645.3	1661.8
22.5°	1446.7	1449.7	1481.0	1503.4	1521.4	1533.3	1564.7	1599.0	1613.9	1618.4	1636.3
25°	1403.5	1406.4	1436.3	1458.7	1478.0	1491.5	1521.4	1552.7	1570.7	1575.1	1588.6
27.5°	1346.7	1352.6	1381.1	1403.5	1419.8	1428.8	1460.2	1493.0	1506.4	1510.9	1524.4
30°	1281.0	1282.5	1310.8	1330.3	1346.7	1354.2	1381.1	1415.4	1425.8	1430.3	1449.7
32.5°	1200.3	1198.9	1225.8	1243.7	1257.1	1266.1	1294.4	1316.9	1327.3	1334.7	1345.2
35°	1103.3	1101.8	1121.2	1142.1	1152.6	1155.6	1183.9	1207.8	1213.8	1219.8	1233.2
37.5°	994.4	994.4	1010.8	1021.3	1033.1	1037.6	1051.1	1077.9	1088.4	1086.9	1097.3
40°	879.4	873.4	885.3	895.8	898.8	900.3	913.7	934.6	942.0	942.0	949.5
42.5°	758.4	749.4	751.0	756.9	759.9	749.4	758.4	771.9	767.4	773.3	774.9
45°	630.0	616.6	610.7	597.1	600.2	589.7	583.7	586.8	585.3	570.4	573.3
47.5°	525.5	501.6	491.2	471.8	467.4	455.4	447.9	434.5	422.5	422.5	415.0
50°	437.4	413.5	392.6	370.3	362.8	352.3	335.9	318.0	309.0	300.1	292.6
52.5°	367.3	341.9	316.4	292.6	282.2	268.7	246.3	228.4	211.9	203.1	194.1
55°	310.5	282.2	255.3	229.9	216.5	203.1	180.6	159.8	140.3	128.4	120.9
57.5°	267.3	240.4	211.9	185.1	173.1	158.2	134.4	111.9	94.0	80.6	73.2
60°	236.0	209.0	183.7	155.3	143.3	128.4	103.0	82.1	64.2	52.2	43.4
62.5°	209.0	185.1	158.2	132.8	120.9	106.0	82.1	61.2	44.7	32.8	25.4
65°	189.6	165.7	143.3	117.9	107.6	92.5	70.1	50.8	35.9	25.4	17.9
67.5°	167.2	146.3	123.8	103.0	92.5	80.6	59.8	43.4	29.8	20.8	14.9
70°	140.3	123.8	104.5	85.1	77.6	67.2	49.3	35.9	23.9	16.4	12.0
72.5°	111.9	98.6	83.7	68.6	62.7	52.2	40.3	28.3	17.9	12.0	9.0
75°	85.1	74.7	62.7	52.2	46.3	40.3	29.8	20.8	13.4	9.0	5.9
77.5°	58.3	53.7	44.7	35.9	32.8	28.3	19.5	13.4	9.0	5.9	3.0
80°	40.3	35.9	29.8	23.9	20.8	17.9	12.0	9.0	4.4	3.0	1.5
82.5°	25.4	20.8	17.9	14.9	13.4	10.5	7.5	4.4	3.0	1.5	1.5
85°	13.4	12.0	10.5	7.5	7.5	5.9	4.4	3.0	1.5	0.0	0.0
87.5°	7.5	5.9	4.4	3.0	3.0	1.5	1.5	1.5	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: P844298

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBSWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7
2.5°	1570.7	1570.7	1569.1	1587.1	1566.1	1587.1	1576.6	1587.1	1572.1	1570.7	1572.1
5°	1582.5	1587.1	1588.6	1605.0	1585.6	1611.0	1602.0	1611.0	1600.5	1603.5	1607.9
7.5°	1606.4	1613.9	1612.5	1633.3	1613.9	1642.3	1636.3	1649.8	1639.2	1642.3	1648.2
10°	1633.3	1642.3	1643.8	1664.7	1646.7	1681.1	1673.6	1688.5	1679.6	1684.1	1691.6
12.5°	1664.7	1675.2	1676.7	1700.5	1681.1	1717.0	1712.4	1727.3	1719.9	1724.4	1733.4
15°	1688.5	1703.4	1706.5	1730.4	1709.5	1746.8	1743.8	1763.3	1751.2	1758.7	1766.2
17.5°	1700.5	1714.0	1719.9	1742.3	1724.4	1761.7	1758.7	1775.2	1766.2	1773.7	1782.6
20°	1693.1	1709.5	1714.0	1736.3	1718.4	1755.8	1751.2	1767.7	1758.7	1764.7	1773.7
22.5°	1666.2	1682.6	1688.5	1709.5	1693.1	1727.3	1726.0	1740.9	1728.9	1736.3	1743.8
25°	1618.4	1636.3	1639.2	1658.7	1640.8	1676.7	1673.6	1690.1	1681.1	1685.6	1696.0
27.5°	1549.8	1570.7	1575.1	1591.5	1578.1	1607.9	1607.9	1621.4	1611.0	1611.0	1621.4
30°	1467.6	1488.5	1491.5	1504.9	1493.0	1519.8	1521.4	1534.8	1518.3	1527.3	1528.8
32.5°	1367.5	1381.1	1389.9	1401.9	1384.0	1418.4	1413.8	1424.3	1415.4	1415.4	1422.8
35°	1246.6	1263.1	1267.6	1282.5	1267.6	1294.4	1294.4	1300.4	1291.4	1291.4	1303.3
37.5°	1115.3	1127.2	1128.7	1143.6	1131.7	1154.1	1152.6	1157.1	1148.1	1154.1	1154.1
40°	961.5	970.5	973.4	980.8	979.5	995.8	994.4	997.3	992.8	994.4	997.3
42.5°	782.3	794.3	800.2	806.2	797.2	819.7	815.2	819.7	818.2	819.7	824.1
45°	576.3	585.3	589.7	591.2	588.3	601.7	612.1	603.2	604.6	601.7	607.7
47.5°	416.5	418.1	415.0	424.0	416.5	422.5	425.5	427.0	418.1	416.5	422.5
50°	285.1	292.6	282.2	286.6	285.1	291.2	288.1	289.7	280.7	285.1	282.2
52.5°	189.6	188.0	185.1	186.7	183.7	183.7	183.7	186.7	180.6	177.7	174.7
55°	115.0	111.9	106.0	104.5	104.5	106.0	103.0	100.1	100.1	98.6	98.6
57.5°	67.2	62.7	59.8	58.3	55.2	53.7	52.2	52.2	49.3	49.3	49.3
60°	37.3	32.8	29.8	26.9	26.9	25.4	23.9	22.4	22.4	22.4	20.8
62.5°	19.5	16.4	13.4	12.0	12.0	10.5	9.0	9.0	9.0	9.0	7.5
65°	13.4	10.5	9.0	7.5	7.5	5.9	5.9	5.9	5.9	5.9	5.9
67.5°	10.5	9.0	7.5	5.9	5.9	5.9	4.4	4.4	4.4	4.4	4.4
70°	9.0	5.9	5.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	5.9	5.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	4.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
80°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P844298

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7
2.5°	1585.6	1584.0	1585.6	1588.6	1582.5	1600.5	1591.5	1600.5
5°	1619.9	1621.4	1622.9	1627.4	1619.9	1642.3	1630.3	1643.8
7.5°	1664.7	1666.2	1667.7	1672.1	1667.7	1690.1	1676.7	1688.5
10°	1711.0	1714.0	1714.0	1721.4	1717.0	1737.8	1728.9	1743.8
12.5°	1754.3	1757.3	1760.2	1764.7	1761.7	1784.1	1776.6	1788.6
15°	1788.6	1794.6	1796.1	1802.0	1799.0	1822.9	1813.9	1825.9
17.5°	1805.1	1811.0	1811.0	1818.5	1815.4	1840.8	1828.9	1842.4
20°	1796.1	1800.5	1802.0	1809.5	1806.5	1831.9	1820.0	1836.4
22.5°	1767.7	1769.2	1770.7	1778.2	1776.6	1799.0	1788.6	1799.0
25°	1715.4	1719.9	1718.4	1724.4	1724.4	1742.3	1730.4	1739.3
27.5°	1640.8	1645.3	1645.3	1652.8	1646.7	1664.7	1652.8	1666.2
30°	1549.8	1554.2	1551.2	1557.2	1551.2	1569.1	1560.1	1564.7
32.5°	1440.7	1440.7	1442.2	1443.7	1440.7	1457.1	1448.2	1457.1
35°	1310.8	1313.8	1315.4	1316.9	1313.8	1325.7	1315.4	1321.3
37.5°	1164.6	1172.0	1170.5	1172.0	1167.5	1182.4	1173.4	1176.5
40°	1007.7	1007.7	1006.2	1009.3	1004.8	1016.7	1010.8	1013.7
42.5°	825.6	830.1	824.1	831.6	819.7	836.1	830.1	825.6
45°	619.7	613.6	612.1	613.6	609.1	610.7	615.1	612.1
47.5°	422.5	422.5	419.6	415.0	421.0	422.5	416.5	416.5
50°	283.7	283.7	280.7	279.2	282.2	280.7	277.7	282.2
52.5°	180.6	174.7	174.7	177.7	174.7	171.8	176.2	173.1
55°	98.6	95.6	95.6	98.6	95.6	95.6	94.0	97.0
57.5°	47.8	49.3	47.8	47.8	47.8	47.8	46.3	47.8
60°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
62.5°	9.0	9.0	7.5	7.5	7.5	7.5	7.5	7.5
65°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
67.5°	4.4	4.4	4.4	4.4	4.4	5.9	4.4	4.4
70°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	4.4	4.4	5.9	5.9	5.9	5.9	5.9	5.9
75°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)