

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: P844349

Luminaire Tested: **LD6C30DE010B50 EU6C30B50 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844349
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: LD6C30DE010B50 EU6C30B50 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

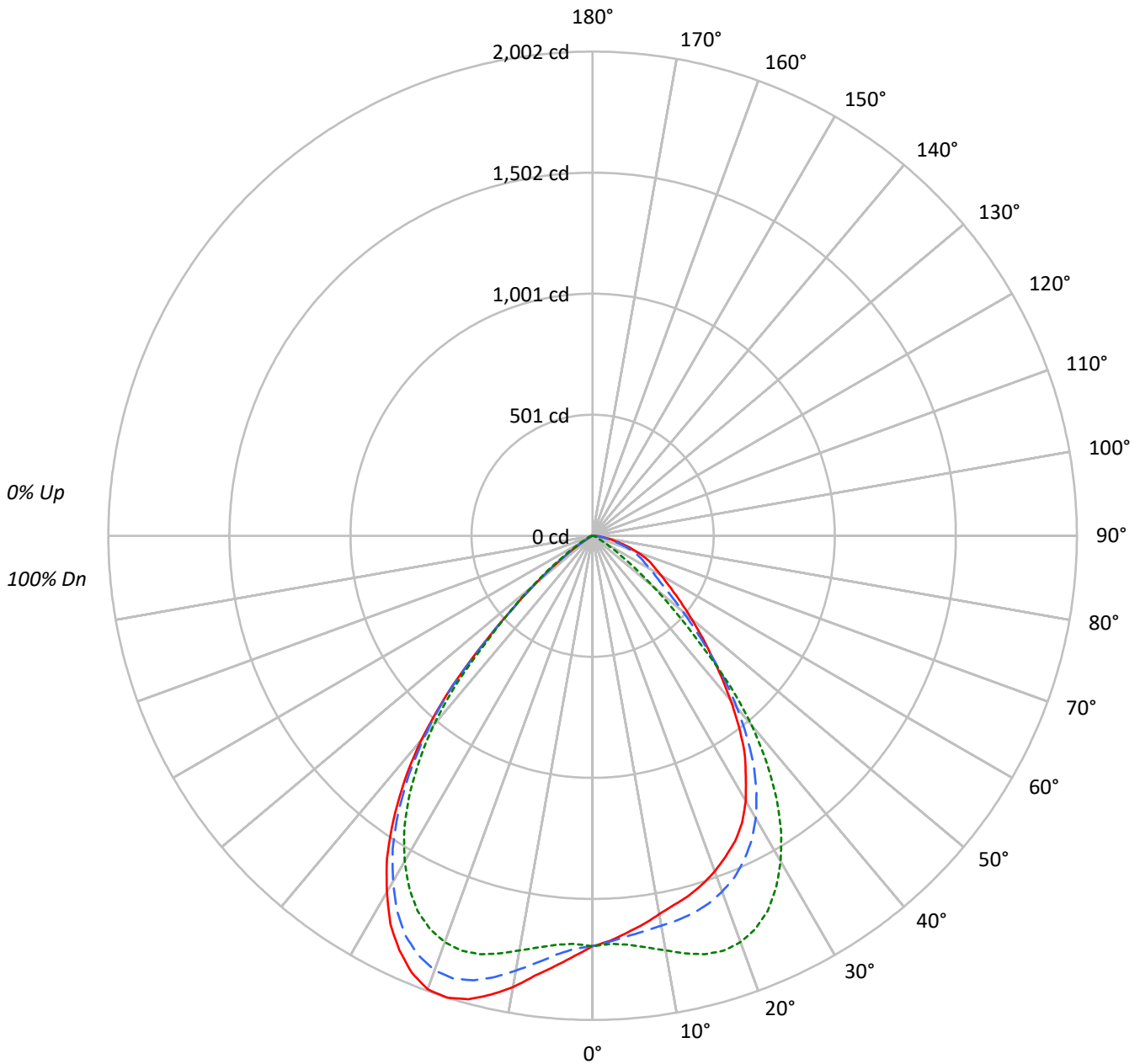
Lumens per Lamp: N/A
Luminaire Lumens: 3102.1 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P844349

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844349

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 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			
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40			
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	93035	93035	93035
5°	90617	93391	98294
10°	88420	96909	105487
15°	87384	101658	112611
20°	86131	104303	116414
25°	84295	103536	114327
30°	80114	98389	107630
35°	73294	88707	96088
40°	63397	73259	78833
45°	53463	48051	51563
50°	45389	27811	26157
55°	39387	13333	10074
60°	35578	6228	2478
65°	34517	3580	843
70°	30935	2869	785
75°	25417	2055	360
80°	18942	1042	0
85°	16354	0	0



TEST NUMBER: P844349

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.9	5.3
10°-20°	499.6	16.1
20°-30°	763.3	24.6
30°-40°	798.3	25.7
40°-50°	517.9	16.7
50°-60°	205.6	6.6
60°-70°	97.5	3.1
70°-80°	46.4	1.5
80°-90°	9.5	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°	1426.8	46.0
0°-40°	2225.1	71.7
0°-60°	2948.6	95.1
0°-90°	3102.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3102.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1697	1697	1697	1697	1697	
5°	1647	1661	1697	1739	1786	155
15°	1540	1614	1791	1903	1984	434
25°	1394	1481	1712	1827	1890	638
35°	1095	1162	1326	1403	1436	677
45°	690	683	620	657	665	537
55°	412	350	140	109	105	373
65°	266	221	28	6	6	260
75°	120	97	10	3	2	129
85°	26	16	0	0	0	30
90°	0	0	0	0	0	



TEST NUMBER: P844349

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBSWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1
2.5°	1675.9	1679.2	1661.4	1656.5	1669.5	1674.3	1675.9	1671.1	1672.8	1679.2	1679.2
5°	1646.7	1650.0	1633.7	1628.9	1641.9	1645.1	1650.0	1648.4	1653.3	1663.0	1661.4
7.5°	1619.2	1624.1	1606.2	1599.8	1616.0	1624.1	1627.3	1627.3	1633.7	1646.7	1648.4
10°	1588.4	1594.9	1578.6	1575.3	1593.2	1601.4	1602.9	1606.2	1616.0	1633.7	1637.0
12.5°	1562.4	1568.9	1557.6	1552.7	1572.1	1580.2	1583.5	1589.9	1601.4	1624.1	1627.3
15°	1539.7	1544.6	1531.6	1528.4	1547.7	1557.6	1559.2	1568.9	1583.5	1609.4	1614.3
17.5°	1510.5	1513.7	1504.0	1500.8	1520.2	1529.9	1531.6	1542.9	1560.8	1586.8	1594.9
20°	1476.4	1479.6	1469.9	1466.7	1486.2	1497.5	1499.1	1508.9	1529.9	1557.6	1565.6
22.5°	1435.8	1442.4	1431.0	1427.7	1447.3	1456.9	1461.8	1469.9	1491.1	1518.6	1529.9
25°	1393.6	1393.6	1385.6	1383.9	1401.8	1413.1	1411.5	1422.8	1444.0	1471.6	1481.2
27.5°	1338.5	1336.8	1328.7	1327.1	1346.6	1356.4	1353.0	1364.5	1383.9	1411.5	1421.2
30°	1265.6	1268.7	1257.4	1254.1	1270.4	1286.6	1284.9	1296.3	1315.8	1341.7	1348.3
32.5°	1177.9	1181.2	1179.6	1174.6	1189.2	1197.3	1202.2	1210.4	1226.5	1254.1	1260.6
35°	1095.2	1090.2	1083.8	1083.8	1098.4	1111.4	1106.5	1116.2	1132.4	1160.0	1161.7
37.5°	992.9	991.3	988.0	984.9	1001.1	1004.2	1005.9	1012.4	1027.1	1049.7	1046.4
40°	885.9	887.5	885.9	879.3	889.0	902.1	900.5	903.7	916.7	932.8	928.1
42.5°	785.2	785.2	785.2	778.7	790.2	796.6	799.9	798.2	801.5	816.1	809.6
45°	689.6	691.2	689.6	687.9	689.6	692.8	689.6	687.9	687.9	692.8	683.0
47.5°	606.8	606.8	601.9	597.0	601.9	603.5	598.7	593.9	592.2	590.6	574.4
50°	532.2	530.5	528.9	520.8	525.6	527.3	520.8	517.5	511.0	503.0	483.6
52.5°	467.3	465.7	464.0	455.8	459.2	460.8	454.3	447.8	439.7	433.2	408.9
55°	412.1	410.5	410.5	405.6	402.3	405.6	399.2	394.3	382.9	374.8	350.5
57.5°	365.0	365.0	361.8	357.0	358.5	358.5	352.1	345.5	335.8	326.1	306.7
60°	324.5	324.5	324.5	319.6	319.6	319.6	316.3	309.9	301.7	292.0	272.6
62.5°	292.0	292.0	290.4	285.6	287.1	287.1	283.9	277.4	269.4	262.8	243.4
65°	266.1	266.1	266.1	261.2	261.2	262.8	259.5	253.1	246.6	238.5	220.6
67.5°	233.6	232.0	232.0	228.8	230.4	232.0	228.8	223.9	215.8	210.9	194.7
70°	193.0	194.7	196.3	191.4	193.0	193.0	191.4	186.6	181.7	176.8	162.2
72.5°	157.4	157.4	155.8	154.2	154.2	155.8	152.5	147.6	144.4	141.2	129.8
75°	120.0	118.5	120.0	116.9	116.9	116.9	113.6	112.0	110.3	105.4	97.3
77.5°	87.7	86.0	86.0	82.7	84.4	84.4	82.7	79.5	76.3	74.7	68.1
80°	60.0	60.0	60.0	58.4	58.4	56.8	56.8	55.2	51.9	50.3	47.1
82.5°	40.5	40.5	40.5	38.9	38.9	38.9	37.3	35.6	34.1	32.5	29.2
85°	26.0	26.0	26.0	24.3	24.3	24.3	22.6	22.6	21.0	19.5	16.2
87.5°	14.6	14.6	14.6	13.0	13.0	13.0	13.0	13.0	11.3	9.7	8.1
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: P844349

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBSWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1
2.5°	1690.5	1667.9	1682.4	1682.4	1677.6	1690.5	1698.7	1705.2	1703.5	1688.9	1687.3
5°	1677.6	1658.1	1674.3	1675.9	1671.1	1688.9	1700.3	1708.4	1710.1	1697.1	1698.7
7.5°	1667.9	1651.6	1672.8	1679.2	1677.6	1693.8	1706.8	1719.7	1726.3	1716.5	1718.1
10°	1663.0	1650.0	1672.8	1682.4	1684.1	1701.9	1721.4	1739.3	1747.4	1740.9	1745.7
12.5°	1656.5	1648.4	1674.3	1688.9	1695.4	1713.3	1737.6	1758.7	1771.7	1768.5	1778.2
15°	1650.0	1643.6	1674.3	1695.4	1703.5	1719.7	1747.4	1778.2	1792.8	1791.2	1804.1
17.5°	1633.7	1632.1	1664.6	1687.3	1698.7	1718.1	1744.0	1781.4	1796.1	1799.2	1815.5
20°	1607.8	1607.8	1643.6	1667.9	1680.9	1698.7	1731.1	1766.8	1784.7	1787.9	1805.8
22.5°	1572.1	1575.3	1609.4	1633.7	1653.3	1666.2	1700.3	1737.6	1753.9	1758.7	1778.2
25°	1525.1	1528.4	1560.8	1585.1	1606.2	1620.8	1653.3	1687.3	1706.8	1711.7	1726.3
27.5°	1463.4	1469.9	1500.8	1525.1	1542.9	1552.7	1586.8	1622.4	1637.0	1641.9	1656.5
30°	1392.1	1393.6	1424.5	1445.6	1463.4	1471.6	1500.8	1538.1	1549.4	1554.3	1575.3
32.5°	1304.4	1302.8	1332.1	1351.4	1366.0	1375.9	1406.7	1431.0	1442.4	1450.4	1461.8
35°	1198.9	1197.3	1218.4	1241.1	1252.6	1255.7	1286.6	1312.5	1319.1	1325.5	1340.1
37.5°	1080.6	1080.6	1098.4	1109.8	1122.7	1127.5	1142.2	1171.4	1182.8	1181.2	1192.5
40°	955.6	949.1	962.1	973.4	976.7	978.3	992.9	1015.6	1023.7	1023.7	1031.8
42.5°	824.2	814.5	816.1	822.5	825.8	814.5	824.2	838.8	833.9	840.4	842.1
45°	684.7	670.0	663.6	649.0	652.2	640.8	634.4	637.6	636.1	619.8	623.1
47.5°	571.1	545.2	533.8	512.7	507.9	494.9	486.7	472.1	459.2	459.2	451.0
50°	475.4	449.4	426.6	402.3	394.3	382.9	365.0	345.5	335.8	326.1	318.0
52.5°	399.2	371.5	343.9	318.0	306.7	292.0	267.7	248.2	230.4	220.6	210.9
55°	337.5	306.7	277.4	249.8	235.2	220.6	196.3	173.6	152.5	139.5	131.5
57.5°	290.4	261.2	230.4	201.2	188.2	172.0	146.1	121.6	102.2	87.7	79.5
60°	256.4	227.2	199.6	168.7	155.8	139.5	112.0	89.3	69.8	56.8	47.1
62.5°	227.2	201.2	172.0	144.4	131.5	115.2	89.3	66.5	48.7	35.6	27.6
65°	206.0	180.1	155.8	128.2	116.9	100.6	76.3	55.2	38.9	27.6	19.5
67.5°	181.7	159.0	134.6	112.0	100.6	87.7	64.8	47.1	32.5	22.6	16.2
70°	152.5	134.6	113.6	92.5	84.4	73.0	53.5	38.9	26.0	17.9	13.0
72.5°	121.6	107.0	90.9	74.7	68.1	56.8	43.8	30.9	19.5	13.0	9.7
75°	92.5	81.1	68.1	56.8	50.3	43.8	32.5	22.6	14.6	9.7	6.5
77.5°	63.2	58.4	48.7	38.9	35.6	30.9	21.0	14.6	9.7	6.5	3.3
80°	43.8	38.9	32.5	26.0	22.6	19.5	13.0	9.7	4.9	3.3	1.7
82.5°	27.6	22.6	19.5	16.2	14.6	11.3	8.1	4.9	3.3	1.7	1.7
85°	14.6	13.0	11.3	8.1	8.1	6.5	4.9	3.3	1.7	0.0	0.0
87.5°	8.1	6.5	4.9	3.3	3.3	1.7	1.7	1.7	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: P844349

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBSWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1
2.5°	1706.8	1706.8	1705.2	1724.6	1701.9	1724.6	1713.3	1724.6	1708.4	1706.8	1708.4
5°	1719.7	1724.6	1726.3	1744.0	1723.0	1750.6	1740.9	1750.6	1739.3	1742.5	1747.4
7.5°	1745.7	1753.9	1752.3	1774.9	1753.9	1784.7	1778.2	1792.8	1781.4	1784.7	1791.2
10°	1774.9	1784.7	1786.2	1809.0	1789.5	1826.9	1818.7	1834.9	1825.3	1830.1	1838.3
12.5°	1809.0	1820.4	1822.0	1847.9	1826.9	1865.8	1860.9	1877.1	1869.1	1873.9	1883.6
15°	1834.9	1851.2	1854.5	1880.4	1857.7	1898.2	1895.0	1916.1	1903.1	1911.2	1919.3
17.5°	1847.9	1862.6	1869.1	1893.4	1873.9	1914.4	1911.2	1929.1	1919.3	1927.4	1937.2
20°	1839.9	1857.7	1862.6	1886.9	1867.5	1908.0	1903.1	1921.0	1911.2	1917.7	1927.4
22.5°	1810.6	1828.4	1834.9	1857.7	1839.9	1877.1	1875.5	1891.8	1878.8	1886.9	1895.0
25°	1758.7	1778.2	1781.4	1802.5	1783.1	1822.0	1818.7	1836.6	1826.9	1831.7	1843.0
27.5°	1684.1	1706.8	1711.7	1729.5	1715.0	1747.4	1747.4	1761.9	1750.6	1750.6	1761.9
30°	1594.9	1617.5	1620.8	1635.4	1622.4	1651.6	1653.3	1667.9	1650.0	1659.7	1661.4
32.5°	1486.2	1500.8	1510.5	1523.4	1504.0	1541.3	1536.4	1547.7	1538.1	1538.1	1546.2
35°	1354.7	1372.6	1377.5	1393.6	1377.5	1406.7	1406.7	1413.1	1403.4	1403.4	1416.4
37.5°	1211.9	1225.0	1226.5	1242.7	1229.8	1254.1	1252.6	1257.4	1247.7	1254.1	1254.1
40°	1044.8	1054.6	1057.8	1065.9	1064.3	1082.2	1080.6	1083.8	1078.9	1080.6	1083.8
42.5°	850.2	863.1	869.6	876.1	866.4	890.7	885.9	890.7	889.0	890.7	895.6
45°	626.2	636.1	640.8	642.5	639.2	653.8	665.1	655.5	657.1	653.8	660.4
47.5°	452.7	454.3	451.0	460.8	452.7	459.2	462.4	464.0	454.3	452.7	459.2
50°	309.9	318.0	306.7	311.5	309.9	316.3	313.2	314.8	305.0	309.9	306.7
52.5°	206.0	204.4	201.2	202.9	199.6	199.6	199.6	202.9	196.3	193.0	189.8
55°	124.9	121.6	115.2	113.6	113.6	115.2	112.0	108.7	108.7	107.0	107.0
57.5°	73.0	68.1	64.8	63.2	60.0	58.4	56.8	56.8	53.5	53.5	53.5
60°	40.5	35.6	32.5	29.2	29.2	27.6	26.0	24.3	24.3	24.3	22.6
62.5°	21.0	17.9	14.6	13.0	13.0	11.3	9.7	9.7	9.7	9.7	8.1
65°	14.6	11.3	9.7	8.1	8.1	6.5	6.5	6.5	6.5	6.5	6.5
67.5°	11.3	9.7	8.1	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9
70°	9.7	6.5	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	6.5	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
80°	1.7	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: P844349

CATALOG NUMBER: LD6C30DE010B50 EU6C30B50 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1
2.5°	1723.0	1721.4	1723.0	1726.3	1719.7	1739.3	1729.5	1739.3
5°	1760.3	1761.9	1763.6	1768.5	1760.3	1784.7	1771.7	1786.2
7.5°	1809.0	1810.6	1812.3	1817.1	1812.3	1836.6	1822.0	1834.9
10°	1859.3	1862.6	1862.6	1870.6	1865.8	1888.5	1878.8	1895.0
12.5°	1906.4	1909.6	1912.8	1917.7	1914.4	1938.7	1930.7	1943.7
15°	1943.7	1950.2	1951.8	1958.2	1955.0	1980.9	1971.2	1984.2
17.5°	1961.5	1968.0	1968.0	1976.1	1972.9	2000.4	1987.4	2002.1
20°	1951.8	1956.6	1958.2	1966.5	1963.1	1990.8	1977.8	1995.5
22.5°	1921.0	1922.6	1924.3	1932.3	1930.7	1955.0	1943.7	1955.0
25°	1864.2	1869.1	1867.5	1873.9	1873.9	1893.4	1880.4	1890.1
27.5°	1783.1	1787.9	1787.9	1796.1	1789.5	1809.0	1796.1	1810.6
30°	1684.1	1688.9	1685.8	1692.2	1685.8	1705.2	1695.4	1700.3
32.5°	1565.6	1565.6	1567.2	1568.9	1565.6	1583.5	1573.8	1583.5
35°	1424.5	1427.7	1429.4	1431.0	1427.7	1440.7	1429.4	1435.8
37.5°	1265.6	1273.6	1272.0	1273.6	1268.7	1284.9	1275.2	1278.5
40°	1095.2	1095.2	1093.5	1096.8	1091.9	1104.9	1098.4	1101.6
42.5°	897.2	902.1	895.6	903.7	890.7	908.5	902.1	897.2
45°	673.3	666.8	665.1	666.8	662.0	663.6	668.4	665.1
47.5°	459.2	459.2	455.8	451.0	457.5	459.2	452.7	452.7
50°	308.3	308.3	305.0	303.3	306.7	305.0	301.7	306.7
52.5°	196.3	189.8	189.8	193.0	189.8	186.6	191.4	188.2
55°	107.0	103.9	103.9	107.0	103.9	103.9	102.2	105.4
57.5°	51.9	53.5	51.9	51.9	51.9	51.9	50.3	51.9
60°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
62.5°	9.7	9.7	8.1	8.1	8.1	8.1	8.1	8.1
65°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
67.5°	4.9	4.9	4.9	4.9	4.9	6.5	4.9	4.9
70°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	4.9	4.9	6.5	6.5	6.5	6.5	6.5	6.5
75°	3.3	3.3	3.3	1.7	1.7	1.7	1.7	1.7
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)