

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: P844458

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBLWWH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B2750 EU6C40B30 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

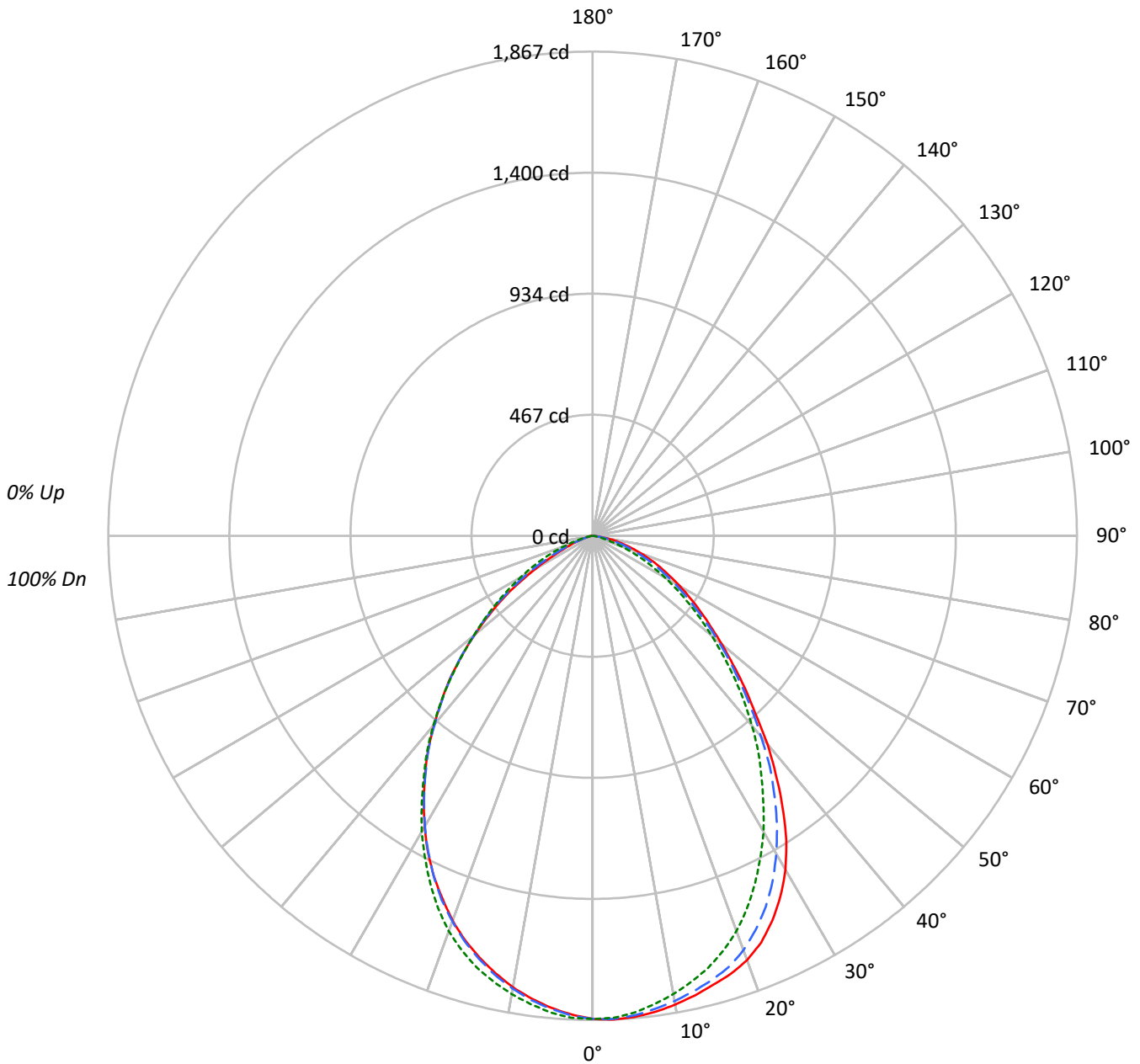
Lumens per Lamp: N/A
Luminaire Lumens: 3388.6 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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									
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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	102124	102124	102124
5°	102482	101557	100556
10°	102169	99904	98440
15°	101783	97838	95568
20°	101561	94619	92093
25°	99090	89545	87574
30°	94141	83399	82013
35°	85454	75931	75429
40°	74976	68335	67985
45°	64278	59719	60200
50°	55333	50898	50625
55°	48361	42971	40343
60°	42497	35216	27531
65°	37202	27292	16578
70°	31720	18368	9729
75°	25608	9553	5316
80°	17805	3725	2968
85°	7108	1195	1572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	5.2
10°-20°	487.5	14.4
20°-30°	693.6	20.5
30°-40°	730.1	21.5
40°-50°	608.4	18.0
50°-60°	411.1	12.1
60°-70°	208.4	6.2
70°-80°	67.3	2.0
80°-90°	7.7	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°	1355.7	40.0
0°-40°	2085.7	61.6
0°-60°	3105.2	91.6
0°-90°	3388.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3388.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1863	1863	1863	1863	1863	
5°	1862	1857	1846	1832	1827	177
15°	1793	1774	1724	1690	1684	507
25°	1638	1579	1480	1450	1448	751
35°	1277	1222	1135	1123	1127	795
45°	829	808	770	773	776	642
55°	506	482	450	436	422	455
65°	287	259	210	152	128	285
75°	121	95	45	24	25	130
85°	11	6	2	2	2	19
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°	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9
2.5°	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1866.7	1866.7	1865.5	1865.5	1864.8
5°	1862.3	1862.9	1862.9	1862.3	1862.3	1861.1	1861.1	1860.5	1858.6	1857.3	1856.7
7.5°	1851.7	1851.7	1851.1	1850.4	1849.8	1847.9	1847.3	1845.5	1844.2	1842.9	1840.4
10°	1835.4	1835.4	1834.8	1833.5	1832.9	1831.6	1831.6	1829.2	1826.6	1823.5	1821.7
12.5°	1816.0	1816.6	1815.3	1814.7	1812.9	1812.3	1811.0	1807.8	1806.0	1802.2	1799.0
15°	1793.4	1794.7	1794.7	1792.2	1790.4	1789.7	1787.8	1785.9	1781.6	1777.8	1774.1
17.5°	1771.5	1772.8	1771.5	1769.6	1767.7	1765.3	1764.0	1760.2	1754.6	1749.6	1743.9
20°	1740.9	1742.8	1740.2	1737.1	1733.4	1732.7	1730.8	1724.6	1716.4	1708.9	1700.8
22.5°	1697.6	1696.3	1694.5	1693.3	1687.0	1683.2	1680.7	1672.5	1663.9	1653.8	1643.8
25°	1638.2	1640.7	1636.9	1631.3	1628.1	1624.4	1618.1	1609.3	1601.2	1590.6	1578.6
27.5°	1568.0	1568.0	1563.0	1561.2	1554.2	1549.2	1546.0	1537.4	1526.7	1516.0	1502.9
30°	1487.2	1483.4	1483.4	1474.7	1469.1	1467.1	1464.1	1449.7	1440.3	1429.0	1415.9
32.5°	1389.5	1388.9	1386.5	1380.7	1373.2	1367.0	1367.0	1356.9	1344.5	1330.7	1322.6
35°	1276.9	1277.4	1276.2	1269.9	1269.9	1262.4	1261.1	1252.4	1242.4	1231.7	1221.7
37.5°	1160.3	1162.9	1160.3	1157.3	1155.4	1154.7	1149.1	1142.8	1135.3	1129.0	1121.5
40°	1047.7	1043.9	1045.2	1038.9	1039.5	1038.3	1035.7	1027.6	1023.3	1016.9	1008.8
42.5°	926.2	929.9	931.1	927.4	926.2	923.6	926.2	923.0	918.0	914.9	907.3
45°	829.1	825.4	827.2	826.0	826.5	821.6	819.7	818.4	816.6	810.9	807.8
47.5°	732.6	733.3	732.6	730.2	728.9	728.9	726.4	722.7	722.7	718.9	716.3
50°	648.8	648.8	650.0	646.8	645.6	643.1	643.8	640.0	637.4	634.4	632.5
52.5°	571.8	572.4	569.9	570.5	569.2	569.2	566.7	564.2	561.7	556.1	554.8
55°	506.0	506.6	503.4	504.7	501.0	499.1	497.8	494.1	494.1	488.4	481.5
57.5°	444.6	444.0	443.4	441.5	438.9	437.1	435.2	430.9	429.0	425.2	419.6
60°	387.6	387.0	385.7	385.1	383.3	378.8	378.8	375.7	369.4	365.7	360.0
62.5°	333.8	333.8	333.2	331.3	329.3	327.5	326.3	323.7	317.5	313.1	308.1
65°	286.8	286.2	284.3	281.1	280.0	280.0	275.5	273.6	268.6	264.3	258.6
67.5°	241.7	239.2	238.0	238.6	234.8	234.8	231.1	227.9	223.6	216.1	211.6
70°	197.9	196.6	195.3	194.1	193.5	191.0	189.1	185.4	181.0	175.4	168.5
72.5°	158.4	158.4	156.5	155.3	153.5	150.9	149.7	146.5	141.5	135.3	130.3
75°	120.9	120.9	120.9	118.3	117.1	115.8	112.1	110.2	104.6	100.8	94.6
77.5°	88.9	87.7	85.8	85.1	83.9	82.7	80.8	77.6	72.7	68.2	64.5
80°	56.4	58.3	56.4	56.4	53.2	51.9	51.4	47.6	45.7	42.0	38.8
82.5°	31.3	31.9	30.7	30.0	28.1	27.6	27.6	25.1	23.8	21.3	19.5
85°	11.3	11.8	11.3	11.3	10.0	10.7	10.0	9.4	8.1	6.9	6.2
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9
2.5°	1864.8	1863.6	1863.6	1862.9	1862.3	1862.3	1862.3	1861.8	1860.5	1860.5	1859.8
5°	1855.4	1854.1	1852.3	1851.1	1850.4	1849.8	1849.2	1848.5	1846.1	1845.5	1843.6
7.5°	1838.5	1837.3	1834.1	1832.9	1831.0	1830.4	1827.9	1826.6	1824.1	1821.7	1820.4
10°	1818.5	1815.3	1812.9	1809.7	1808.4	1806.6	1803.5	1799.7	1797.9	1794.7	1792.2
12.5°	1796.0	1792.2	1787.2	1783.4	1782.2	1779.0	1774.1	1770.9	1766.6	1761.5	1757.2
15°	1767.7	1763.4	1759.1	1752.1	1750.3	1746.5	1741.5	1735.3	1728.9	1723.9	1719.0
17.5°	1737.1	1730.2	1723.3	1715.8	1710.2	1708.3	1700.1	1691.4	1685.8	1677.0	1671.4
20°	1693.9	1684.5	1673.2	1665.7	1660.7	1655.1	1645.7	1636.3	1629.4	1621.9	1613.7
22.5°	1634.4	1625.6	1612.5	1601.2	1597.4	1589.3	1581.2	1572.4	1563.6	1555.5	1545.5
25°	1564.2	1554.8	1541.7	1530.4	1524.2	1520.5	1504.8	1496.0	1487.2	1480.4	1473.5
27.5°	1492.2	1475.3	1466.6	1449.1	1443.4	1442.2	1427.7	1418.4	1409.0	1399.6	1390.8
30°	1403.4	1390.2	1377.0	1364.5	1356.9	1352.6	1341.9	1330.1	1323.8	1317.5	1308.7
32.5°	1311.3	1299.4	1283.1	1271.2	1265.6	1259.3	1249.9	1241.8	1232.4	1225.5	1223.6
35°	1213.0	1199.8	1186.0	1177.3	1176.0	1168.5	1159.1	1152.2	1145.3	1134.6	1132.8
37.5°	1107.8	1100.3	1090.8	1078.4	1072.7	1072.7	1063.3	1058.3	1049.5	1048.9	1043.9
40°	1004.4	1001.3	986.9	983.2	981.9	973.1	970.6	961.8	955.6	954.9	947.4
42.5°	902.4	894.2	891.7	885.5	879.8	878.6	873.0	869.2	866.6	862.9	859.1
45°	800.9	799.0	792.8	788.4	786.6	784.0	782.1	774.6	773.3	770.3	768.4
47.5°	713.3	708.2	702.6	697.6	697.0	693.2	688.8	688.8	682.0	681.3	680.1
50°	626.2	622.4	619.4	612.5	613.6	608.7	608.0	602.4	599.3	596.8	599.9
52.5°	549.8	542.2	541.1	535.4	533.6	534.1	527.2	525.4	524.2	521.6	520.4
55°	477.2	473.4	468.4	464.6	461.6	458.4	455.8	455.8	449.0	449.6	446.5
57.5°	413.3	410.2	403.9	398.3	397.0	393.2	390.2	387.0	386.4	382.0	378.8
60°	356.3	350.7	342.6	340.0	336.2	333.2	330.0	326.3	324.4	321.2	315.6
62.5°	303.1	293.7	290.5	285.6	281.1	279.3	274.2	269.9	266.7	262.4	258.0
65°	252.4	245.5	239.9	234.2	233.5	228.6	224.2	220.4	214.2	210.4	202.2
67.5°	206.0	199.8	193.5	187.8	183.5	182.2	175.4	170.9	166.6	159.1	152.2
70°	163.4	157.2	152.2	145.3	143.4	138.3	133.4	129.0	121.5	114.6	108.9
72.5°	124.6	117.7	112.1	107.0	104.0	99.5	94.6	89.6	82.1	75.1	70.1
75°	88.9	83.9	78.3	73.3	70.8	68.2	62.6	57.0	51.9	45.1	40.7
77.5°	60.1	55.1	50.1	45.7	42.6	40.7	36.9	32.6	28.1	24.4	21.3
80°	35.1	31.9	28.1	24.4	23.8	21.9	18.8	16.3	13.7	11.8	9.4
82.5°	16.9	15.0	12.5	10.7	9.4	8.8	7.5	6.2	5.0	4.3	4.3
85°	5.0	4.3	3.8	3.2	2.5	2.5	1.9	1.9	1.9	1.9	1.9
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9
2.5°	1857.9	1857.3	1856.7	1856.0	1854.8	1854.8	1853.0	1851.7	1851.7	1850.4	1849.8
5°	1841.7	1839.8	1839.1	1838.0	1836.7	1836.1	1833.5	1832.9	1831.6	1830.4	1830.4
7.5°	1818.5	1816.0	1813.5	1812.3	1811.6	1809.7	1808.4	1807.8	1806.0	1804.7	1802.2
10°	1787.8	1785.9	1782.9	1781.6	1780.3	1779.0	1775.9	1774.1	1773.4	1772.2	1770.9
12.5°	1752.1	1749.6	1746.5	1743.9	1742.8	1740.9	1737.7	1735.8	1735.8	1733.4	1733.4
15°	1713.9	1710.2	1704.5	1702.0	1701.4	1697.6	1695.2	1692.6	1689.5	1688.2	1688.2
17.5°	1665.0	1658.8	1653.8	1653.8	1651.3	1647.6	1643.8	1641.9	1640.1	1637.5	1636.3
20°	1607.5	1603.1	1597.4	1597.4	1591.8	1590.6	1586.8	1586.1	1581.8	1582.4	1580.5
22.5°	1537.9	1535.5	1532.3	1529.9	1526.7	1522.9	1521.1	1521.7	1519.8	1519.2	1518.6
25°	1467.8	1460.9	1457.2	1455.9	1454.7	1451.5	1450.3	1449.7	1449.7	1447.8	1448.4
27.5°	1387.1	1382.0	1377.0	1378.9	1376.4	1374.5	1373.2	1371.4	1372.6	1372.0	1372.6
30°	1304.4	1298.1	1295.0	1296.2	1295.6	1290.6	1293.1	1292.5	1293.1	1293.1	1294.3
32.5°	1217.3	1213.0	1212.4	1213.0	1207.3	1207.9	1205.5	1209.2	1209.8	1213.6	1210.5
35°	1129.0	1126.6	1122.1	1121.5	1122.1	1121.5	1121.5	1124.1	1123.4	1127.1	1126.0
37.5°	1038.3	1037.0	1032.6	1033.8	1031.4	1035.7	1037.0	1035.7	1040.1	1038.9	1038.3
40°	949.3	947.4	944.9	950.0	946.8	944.4	948.7	944.9	946.2	950.0	950.0
42.5°	859.1	856.0	856.0	856.0	855.4	855.4	857.3	859.1	857.8	858.5	863.6
45°	768.4	767.7	765.8	767.1	766.5	769.6	769.6	770.9	773.3	775.9	774.6
47.5°	680.7	679.4	681.3	680.1	680.7	678.8	680.1	683.9	686.9	682.6	686.9
50°	598.6	596.2	595.6	597.4	596.8	596.2	597.4	597.4	596.2	596.2	600.5
52.5°	520.4	517.9	516.0	519.1	517.3	517.9	515.4	515.4	516.7	515.4	513.5
55°	447.1	445.3	442.7	444.0	440.8	440.2	437.8	437.8	435.9	434.6	430.9
57.5°	376.9	375.7	370.1	369.4	370.1	365.7	361.3	359.5	354.4	353.1	352.5
60°	315.0	308.1	304.9	301.2	298.7	296.8	291.8	288.6	281.1	276.8	276.1
62.5°	250.4	247.4	243.6	238.0	236.7	230.5	225.4	217.3	213.5	207.9	202.2
65°	198.5	190.4	184.8	181.6	176.6	170.9	165.3	156.5	152.2	145.3	139.6
67.5°	145.3	138.3	130.8	128.4	124.0	117.1	111.5	104.0	100.2	93.9	92.0
70°	99.5	93.3	87.7	83.9	80.8	73.9	68.2	65.8	62.0	60.7	60.7
72.5°	63.9	58.3	51.9	50.1	47.6	43.8	40.1	38.8	40.1	39.4	39.4
75°	35.6	32.6	28.1	26.3	26.3	25.1	24.4	24.4	24.4	24.4	24.4
77.5°	18.2	16.3	15.0	14.4	14.4	14.4	15.0	15.0	15.0	15.7	15.0
80°	8.8	8.1	8.1	8.1	8.8	8.8	8.8	8.8	8.8	9.4	8.8
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	5.0	5.0	5.0	5.0	5.0
85°	1.9	1.9	1.9	1.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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: P844458

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9	1862.9
2.5°	1849.2	1847.9	1847.9	1847.3	1847.3	1847.3	1847.3	1847.9
5°	1829.2	1828.5	1828.5	1827.3	1827.3	1827.3	1827.3	1827.3
7.5°	1802.2	1800.9	1801.6	1800.3	1800.3	1800.9	1800.3	1799.7
10°	1769.0	1768.4	1769.0	1769.0	1767.7	1767.2	1767.7	1768.4
12.5°	1731.5	1730.8	1729.5	1730.2	1730.2	1729.5	1728.9	1727.6
15°	1687.7	1687.0	1686.4	1685.8	1685.1	1685.8	1685.1	1683.9
17.5°	1636.3	1636.3	1635.6	1635.0	1634.4	1633.1	1633.7	1635.6
20°	1581.2	1580.5	1579.3	1579.9	1577.5	1576.2	1576.8	1578.6
22.5°	1517.9	1516.0	1517.3	1515.4	1515.4	1516.0	1515.4	1514.1
25°	1449.1	1446.5	1447.8	1448.4	1448.4	1447.8	1447.2	1447.8
27.5°	1372.6	1374.5	1374.5	1373.2	1375.1	1372.6	1373.9	1374.5
30°	1294.3	1292.5	1291.9	1294.3	1298.1	1295.0	1295.0	1295.6
32.5°	1213.6	1211.1	1211.1	1212.4	1211.7	1211.7	1214.2	1211.1
35°	1127.1	1128.4	1123.4	1126.6	1127.8	1126.6	1127.1	1127.1
37.5°	1040.1	1038.9	1038.9	1038.9	1040.7	1040.7	1042.0	1041.3
40°	954.3	951.9	951.2	952.5	950.0	951.9	951.9	950.0
42.5°	861.7	862.3	865.5	862.3	862.9	862.3	861.0	860.4
45°	775.9	777.8	776.5	775.9	776.5	774.0	774.6	776.5
47.5°	685.0	688.8	685.0	687.6	686.9	685.7	684.4	682.0
50°	599.9	601.2	600.5	599.9	599.3	598.6	595.6	593.6
52.5°	512.8	512.8	512.8	512.8	506.6	509.8	508.5	504.7
55°	427.7	429.6	427.1	427.1	422.7	422.7	421.5	422.1
57.5°	345.6	343.8	341.9	341.9	337.5	335.7	333.8	331.3
60°	269.3	267.4	264.8	261.8	257.3	257.3	256.2	251.1
62.5°	197.2	194.1	192.3	189.7	185.9	183.5	181.6	182.9
65°	135.3	132.1	129.7	129.7	129.7	128.4	127.8	127.8
67.5°	88.9	90.9	89.6	90.9	90.9	89.6	88.9	90.2
70°	61.3	61.3	60.7	60.7	60.7	60.7	60.1	60.7
72.5°	39.4	39.4	39.4	40.1	39.4	39.4	40.1	40.1
75°	25.1	25.1	25.1	25.7	25.1	25.1	25.7	25.1
77.5°	15.0	15.7	15.7	15.7	15.7	15.0	15.7	15.7
80°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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)