

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: P844281

Luminaire Tested: **LD6C30DE010B2750 EU6C30B27 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844281
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 EU6C30B27 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

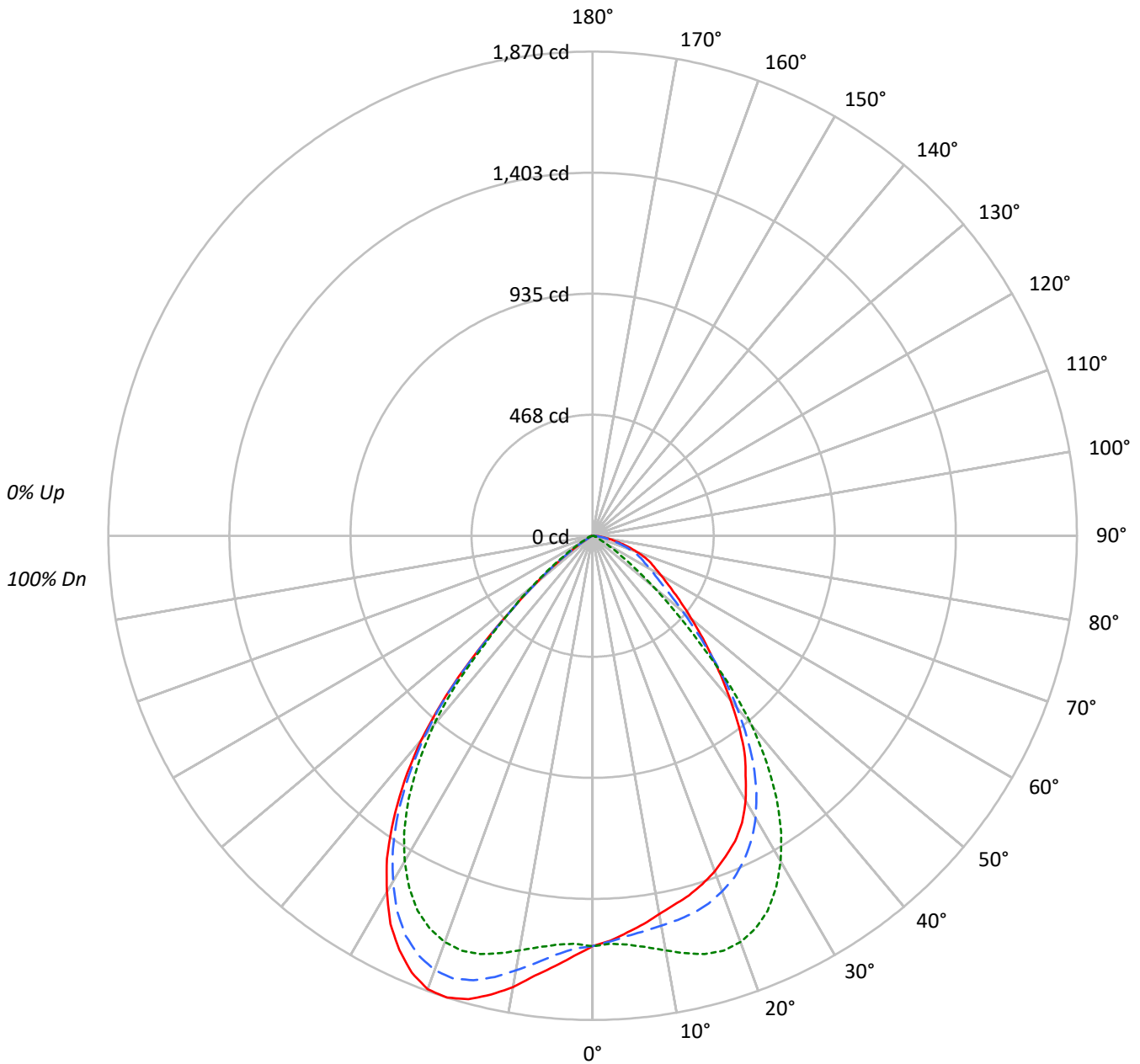
Lumens per Lamp: N/A
Luminaire Lumens: 2896.9 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	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°	86884	86884	86884
5°	84624	87216	91795
10°	82569	90496	98506
15°	81607	94927	105165
20°	80431	97408	108719
25°	78724	96683	106766
30°	74809	91881	100509
35°	68442	82844	89737
40°	59204	68414	73624
45°	49928	44873	48152
50°	42387	25978	24426
55°	36787	12454	9414
60°	33221	5811	2324
65°	32221	3334	778
70°	28899	2677	721
75°	23744	1927	339
80°	17711	979	0
85°	15222	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	5.3
10°-20°	466.5	16.1
20°-30°	712.8	24.6
30°-40°	745.5	25.7
40°-50°	483.6	16.7
50°-60°	192.0	6.6
60°-70°	91.1	3.1
70°-80°	43.3	1.5
80°-90°	8.8	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°	1332.4	46.0
0°-40°	2078.0	71.7
0°-60°	2753.6	95.1
0°-90°	2896.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2896.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1585	1585	1585	1585	1585	
5°	1538	1552	1585	1624	1668	145
15°	1438	1508	1673	1777	1853	405
25°	1302	1383	1598	1706	1765	596
35°	1023	1085	1238	1310	1341	632
45°	644	638	579	614	621	501
55°	385	327	130	102	98	349
65°	248	206	26	6	6	243
75°	112	91	9	3	2	121
85°	24	15	0	0	0	28
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°	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9
2.5°	1565.1	1568.2	1551.5	1546.9	1559.1	1563.6	1565.1	1560.5	1562.1	1568.2	1568.2
5°	1537.8	1540.9	1525.7	1521.2	1533.3	1536.3	1540.9	1539.4	1543.9	1553.0	1551.5
7.5°	1512.1	1516.6	1499.9	1493.9	1509.0	1516.6	1519.7	1519.7	1525.7	1537.8	1539.4
10°	1483.3	1489.4	1474.2	1471.2	1487.9	1495.4	1497.0	1499.9	1509.0	1525.7	1528.7
12.5°	1459.1	1465.1	1454.6	1450.0	1468.1	1475.7	1478.7	1484.8	1495.4	1516.6	1519.7
15°	1437.9	1442.4	1430.2	1427.3	1445.4	1454.6	1456.0	1465.1	1478.7	1503.0	1507.6
17.5°	1410.6	1413.5	1404.5	1401.5	1419.7	1428.8	1430.2	1440.8	1457.5	1481.9	1489.4
20°	1378.7	1381.8	1372.7	1369.6	1387.8	1398.4	1400.0	1409.1	1428.8	1454.6	1462.1
22.5°	1340.9	1347.0	1336.3	1333.3	1351.6	1360.5	1365.1	1372.7	1392.4	1418.2	1428.8
25°	1301.5	1301.5	1293.9	1292.4	1309.0	1319.7	1318.1	1328.7	1348.5	1374.2	1383.3
27.5°	1250.0	1248.4	1240.8	1239.3	1257.5	1266.6	1263.6	1274.2	1292.4	1318.1	1327.2
30°	1181.8	1184.9	1174.2	1171.1	1186.3	1201.5	1200.0	1210.6	1228.8	1253.0	1259.1
32.5°	1099.9	1103.0	1101.5	1097.0	1110.5	1118.1	1122.7	1130.3	1145.4	1171.1	1177.3
35°	1022.7	1018.2	1012.2	1012.2	1025.7	1037.9	1033.3	1042.4	1057.5	1083.3	1084.8
37.5°	927.2	925.7	922.7	919.7	934.8	937.8	939.4	945.4	959.1	980.3	977.3
40°	827.3	828.8	827.3	821.1	830.2	842.4	840.8	844.0	856.0	871.2	866.6
42.5°	733.3	733.3	733.3	727.2	737.8	743.9	747.0	745.4	748.5	762.1	756.0
45°	644.0	645.5	644.0	642.4	644.0	647.0	644.0	642.4	642.4	647.0	637.9
47.5°	566.7	566.7	562.1	557.6	562.1	563.6	559.1	554.5	553.0	551.6	536.3
50°	497.0	495.4	493.9	486.4	490.8	492.4	486.4	483.3	477.3	469.7	451.5
52.5°	436.4	434.8	433.3	425.7	428.8	430.2	424.2	418.2	410.6	404.5	381.8
55°	384.9	383.3	383.3	378.8	375.8	378.8	372.7	368.2	357.6	350.0	327.2
57.5°	340.9	340.9	337.9	333.3	334.8	334.8	328.8	322.7	313.6	304.6	286.4
60°	303.0	303.0	303.0	298.5	298.5	298.5	295.4	289.4	281.9	272.8	254.6
62.5°	272.8	272.8	271.2	266.6	268.1	268.1	265.1	259.1	251.5	245.5	227.3
65°	248.4	248.4	248.4	244.0	244.0	245.5	242.4	236.4	230.2	222.7	206.0
67.5°	218.2	216.7	216.7	213.6	215.1	216.7	213.6	209.1	201.6	196.9	181.8
70°	180.3	181.8	183.3	178.8	180.3	180.3	178.8	174.3	169.8	165.1	151.6
72.5°	147.0	147.0	145.4	143.9	143.9	145.4	142.5	137.9	134.8	131.8	121.2
75°	112.1	110.6	112.1	109.1	109.1	109.1	106.1	104.6	103.0	98.5	90.9
77.5°	81.9	80.3	80.3	77.3	78.8	78.8	77.3	74.2	71.2	69.7	63.6
80°	56.1	56.1	56.1	54.6	54.6	53.0	53.0	51.5	48.4	47.0	44.0
82.5°	37.9	37.9	37.9	36.4	36.4	36.4	34.9	33.3	31.8	30.2	27.3
85°	24.2	24.2	24.2	22.7	22.7	22.7	21.2	21.2	19.7	18.2	15.1
87.5°	13.6	13.6	13.6	12.2	12.2	12.2	12.2	12.2	10.6	9.1	7.6
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°	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9
2.5°	1578.7	1557.6	1571.1	1571.1	1566.7	1578.7	1586.3	1592.4	1590.9	1577.2	1575.7
5°	1566.7	1548.4	1563.6	1565.1	1560.5	1577.2	1587.8	1595.4	1596.9	1584.9	1586.3
7.5°	1557.6	1542.3	1562.1	1568.2	1566.7	1581.8	1594.0	1606.0	1612.0	1602.9	1604.5
10°	1553.0	1540.9	1562.1	1571.1	1572.7	1589.4	1607.5	1624.2	1631.8	1625.7	1630.2
12.5°	1546.9	1539.4	1563.6	1577.2	1583.3	1600.0	1622.7	1642.4	1654.6	1651.5	1660.6
15°	1540.9	1534.8	1563.6	1583.3	1590.9	1606.0	1631.8	1660.6	1674.2	1672.6	1684.8
17.5°	1525.7	1524.3	1554.5	1575.7	1586.3	1604.5	1628.8	1663.6	1677.2	1680.3	1695.4
20°	1501.5	1501.5	1534.8	1557.6	1569.6	1586.3	1616.7	1650.0	1666.6	1669.7	1686.4
22.5°	1468.1	1471.2	1503.0	1525.7	1543.9	1556.0	1587.8	1622.7	1637.9	1642.4	1660.6
25°	1424.2	1427.3	1457.5	1480.3	1499.9	1513.6	1543.9	1575.7	1594.0	1598.4	1612.0
27.5°	1366.7	1372.7	1401.5	1424.2	1440.8	1450.0	1481.9	1515.1	1528.7	1533.3	1546.9
30°	1299.9	1301.5	1330.3	1350.0	1366.7	1374.2	1401.5	1436.4	1446.9	1451.5	1471.2
32.5°	1218.2	1216.7	1243.9	1262.1	1275.7	1284.8	1313.6	1336.3	1347.0	1354.5	1365.1
35°	1119.7	1118.1	1137.8	1159.1	1169.6	1172.7	1201.5	1225.7	1231.8	1237.9	1251.5
37.5°	1009.1	1009.1	1025.7	1036.4	1048.4	1053.0	1066.6	1093.9	1104.5	1103.0	1113.6
40°	892.4	886.4	898.5	909.1	912.1	913.6	927.2	948.5	956.0	956.0	963.6
42.5°	769.6	760.5	762.1	768.2	771.1	760.5	769.6	783.3	778.7	784.9	786.4
45°	639.4	625.7	619.7	606.0	609.1	598.4	592.4	595.4	594.0	578.8	581.8
47.5°	533.3	509.1	498.5	478.8	474.2	462.1	454.6	440.9	428.8	428.8	421.1
50°	444.0	419.7	398.4	375.8	368.2	357.6	340.9	322.7	313.6	304.6	297.0
52.5°	372.7	347.0	321.2	297.0	286.4	272.8	250.0	231.8	215.1	206.0	196.9
55°	315.2	286.4	259.1	233.3	219.7	206.0	183.3	162.1	142.5	130.3	122.7
57.5°	271.2	244.0	215.1	187.8	175.8	160.5	136.4	113.6	95.4	81.9	74.2
60°	239.4	212.2	186.4	157.6	145.4	130.3	104.6	83.3	65.2	53.0	44.0
62.5°	212.2	187.8	160.5	134.8	122.7	107.6	83.3	62.1	45.5	33.3	25.7
65°	192.4	168.2	145.4	119.7	109.1	93.9	71.2	51.5	36.4	25.7	18.2
67.5°	169.8	148.5	125.8	104.6	93.9	81.9	60.6	44.0	30.2	21.2	15.1
70°	142.5	125.8	106.1	86.4	78.8	68.2	50.0	36.4	24.2	16.7	12.2
72.5°	113.6	99.9	84.8	69.7	63.6	53.0	40.9	28.8	18.2	12.2	9.1
75°	86.4	75.7	63.6	53.0	47.0	40.9	30.2	21.2	13.6	9.1	6.0
77.5°	59.1	54.6	45.5	36.4	33.3	28.8	19.7	13.6	9.1	6.0	3.1
80°	40.9	36.4	30.2	24.2	21.2	18.2	12.2	9.1	4.5	3.1	1.6
82.5°	25.7	21.2	18.2	15.1	13.6	10.6	7.6	4.5	3.1	1.6	1.6
85°	13.6	12.2	10.6	7.6	7.6	6.0	4.5	3.1	1.6	0.0	0.0
87.5°	7.6	6.0	4.5	3.1	3.1	1.6	1.6	1.6	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°	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9
2.5°	1594.0	1594.0	1592.4	1610.6	1589.4	1610.6	1600.0	1610.6	1595.4	1594.0	1595.4
5°	1606.0	1610.6	1612.0	1628.8	1609.1	1634.8	1625.7	1634.8	1624.2	1627.3	1631.8
7.5°	1630.2	1637.9	1636.4	1657.5	1637.9	1666.6	1660.6	1674.2	1663.6	1666.6	1672.6
10°	1657.5	1666.6	1668.1	1689.4	1671.2	1706.0	1698.5	1713.6	1704.5	1709.0	1716.6
12.5°	1689.4	1699.9	1701.5	1725.7	1706.0	1742.3	1737.8	1753.0	1745.4	1750.0	1759.1
15°	1713.6	1728.7	1731.8	1756.0	1734.8	1772.7	1769.6	1789.4	1777.2	1784.9	1792.4
17.5°	1725.7	1739.4	1745.4	1768.2	1750.0	1787.8	1784.9	1801.5	1792.4	1800.0	1809.1
20°	1718.1	1734.8	1739.4	1762.1	1743.9	1781.8	1777.2	1794.0	1784.9	1790.9	1800.0
22.5°	1690.8	1707.5	1713.6	1734.8	1718.1	1753.0	1751.5	1766.7	1754.5	1762.1	1769.6
25°	1642.4	1660.6	1663.6	1683.2	1665.1	1701.5	1698.5	1715.1	1706.0	1710.5	1721.2
27.5°	1572.7	1594.0	1598.4	1615.1	1601.5	1631.8	1631.8	1645.4	1634.8	1634.8	1645.4
30°	1489.4	1510.5	1513.6	1527.2	1515.1	1542.3	1543.9	1557.6	1540.9	1550.0	1551.5
32.5°	1387.8	1401.5	1410.6	1422.7	1404.5	1439.3	1434.8	1445.4	1436.4	1436.4	1443.9
35°	1265.1	1281.9	1286.4	1301.5	1286.4	1313.6	1313.6	1319.7	1310.5	1310.5	1322.7
37.5°	1131.8	1143.9	1145.4	1160.5	1148.5	1171.1	1169.6	1174.2	1165.1	1171.1	1171.1
40°	975.7	984.9	987.8	995.4	994.0	1010.6	1009.1	1012.2	1007.5	1009.1	1012.2
42.5°	794.0	806.0	812.2	818.2	809.1	831.8	827.3	831.8	830.2	831.8	836.4
45°	584.9	594.0	598.4	600.0	596.9	610.6	621.1	612.2	613.6	610.6	616.7
47.5°	422.7	424.2	421.1	430.2	422.7	428.8	431.8	433.3	424.2	422.7	428.8
50°	289.4	297.0	286.4	290.8	289.4	295.4	292.4	293.9	284.8	289.4	286.4
52.5°	192.4	190.9	187.8	189.4	186.4	186.4	186.4	189.4	183.3	180.3	177.3
55°	116.7	113.6	107.6	106.1	106.1	107.6	104.6	101.5	101.5	99.9	99.9
57.5°	68.2	63.6	60.6	59.1	56.1	54.6	53.0	53.0	50.0	50.0	50.0
60°	37.9	33.3	30.2	27.3	27.3	25.7	24.2	22.7	22.7	22.7	21.2
62.5°	19.7	16.7	13.6	12.2	12.2	10.6	9.1	9.1	9.1	9.1	7.6
65°	13.6	10.6	9.1	7.6	7.6	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	10.6	9.1	7.6	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5
70°	9.1	6.0	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	6.0	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
80°	1.6	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: P844281

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B27 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9	1584.9
2.5°	1609.1	1607.5	1609.1	1612.0	1606.0	1624.2	1615.1	1624.2
5°	1643.9	1645.4	1646.9	1651.5	1643.9	1666.6	1654.6	1668.1
7.5°	1689.4	1690.8	1692.4	1697.0	1692.4	1715.1	1701.5	1713.6
10°	1736.3	1739.4	1739.4	1746.9	1742.3	1763.6	1754.5	1769.6
12.5°	1780.2	1783.3	1786.3	1790.9	1787.8	1810.6	1802.9	1815.1
15°	1815.1	1821.1	1822.7	1828.8	1825.7	1849.9	1840.8	1853.0
17.5°	1831.8	1837.9	1837.9	1845.4	1842.4	1868.1	1856.0	1869.7
20°	1822.7	1827.3	1828.8	1836.4	1833.3	1859.1	1846.9	1863.6
22.5°	1794.0	1795.4	1796.9	1804.5	1802.9	1825.7	1815.1	1825.7
25°	1740.9	1745.4	1743.9	1750.0	1750.0	1768.2	1756.0	1765.1
27.5°	1665.1	1669.7	1669.7	1677.2	1671.2	1689.4	1677.2	1690.8
30°	1572.7	1577.2	1574.2	1580.2	1574.2	1592.4	1583.3	1587.8
32.5°	1462.1	1462.1	1463.6	1465.1	1462.1	1478.7	1469.7	1478.7
35°	1330.3	1333.3	1334.8	1336.3	1333.3	1345.4	1334.8	1340.9
37.5°	1181.8	1189.4	1187.8	1189.4	1184.9	1200.0	1190.9	1194.0
40°	1022.7	1022.7	1021.1	1024.2	1019.7	1031.8	1025.7	1028.8
42.5°	837.9	842.4	836.4	844.0	831.8	848.4	842.4	837.9
45°	628.8	622.7	621.1	622.7	618.2	619.7	624.2	621.1
47.5°	428.8	428.8	425.7	421.1	427.3	428.8	422.7	422.7
50°	287.9	287.9	284.8	283.3	286.4	284.8	281.9	286.4
52.5°	183.3	177.3	177.3	180.3	177.3	174.3	178.8	175.8
55°	99.9	97.0	97.0	99.9	97.0	97.0	95.4	98.5
57.5°	48.4	50.0	48.4	48.4	48.4	48.4	47.0	48.4
60°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
62.5°	9.1	9.1	7.6	7.6	7.6	7.6	7.6	7.6
65°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	4.5	4.5	4.5	4.5	4.5	6.0	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	6.0	6.0	6.0	6.0	6.0	6.0
75°	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6
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)