

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: P844315

Luminaire Tested: **LD6C30DE010B35 EU6C30B35 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844315
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: LD6C30DE010B35 EU6C30B35 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

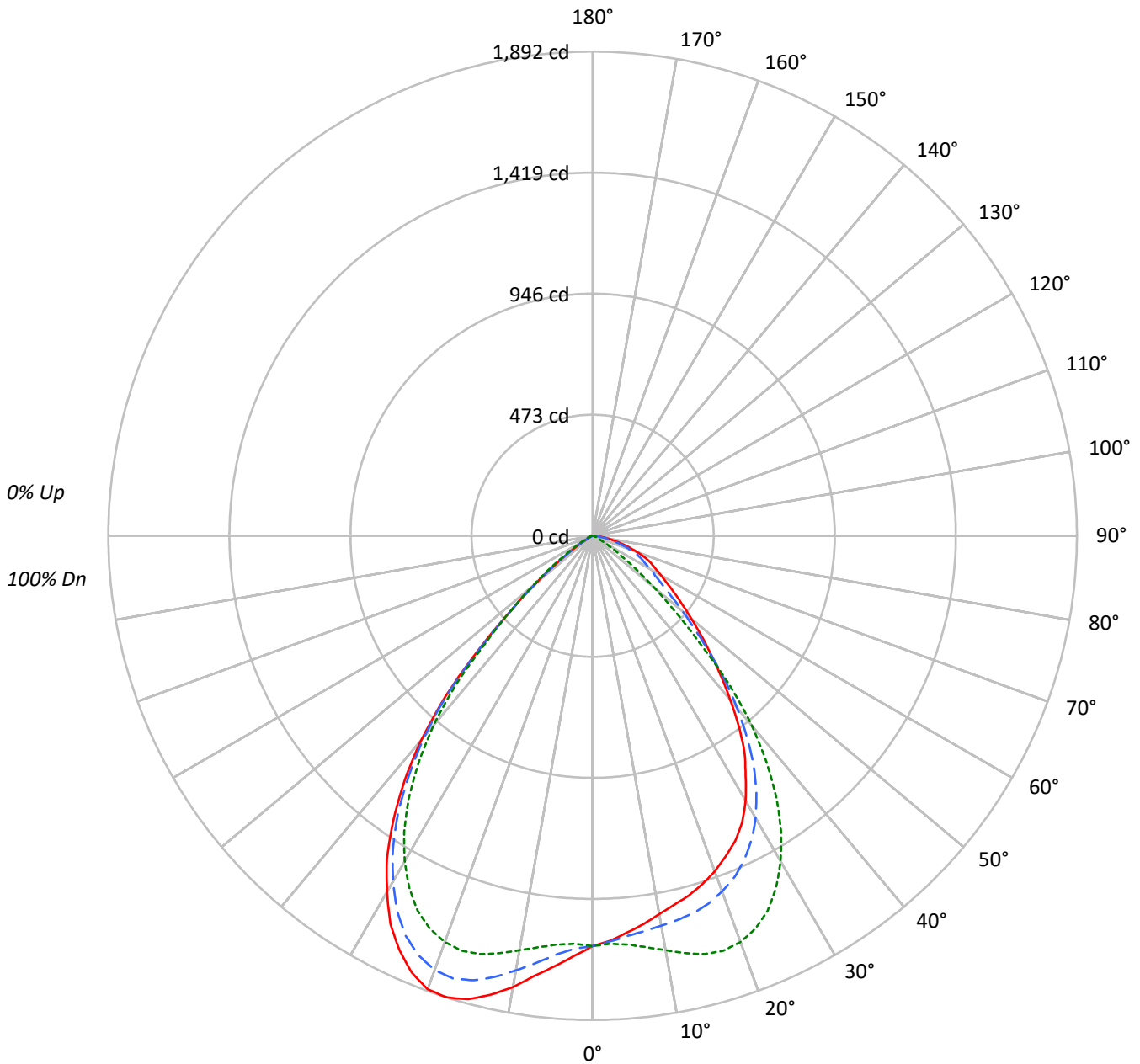
Lumens per Lamp: N/A
Luminaire Lumens: 2930.7 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	87899	87899	87899
5°	85615	88234	92873
10°	83532	91554	99664
15°	82560	96039	106397
20°	81370	98539	109985
25°	79650	97814	108012
30°	75689	92951	101680
35°	69245	83808	90781
40°	59891	69215	74475
45°	50509	45400	48718
50°	42881	26276	24707
55°	37208	12597	9519
60°	33605	5877	2357
65°	32610	3373	791
70°	29236	2709	753
75°	24040	1949	339
80°	17900	979	0
85°	15410	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.9	5.3
10°-20°	472.0	16.1
20°-30°	721.1	24.6
30°-40°	754.2	25.7
40°-50°	489.3	16.7
50°-60°	194.3	6.6
60°-70°	92.2	3.1
70°-80°	43.8	1.5
80°-90°	8.9	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°	1348.0	46.0
0°-40°	2102.2	71.7
0°-60°	2785.8	95.1
0°-90°	2930.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2930.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1603	1603	1603	1603	1603	
5°	1556	1570	1603	1643	1688	147
15°	1455	1525	1692	1798	1875	410
25°	1317	1400	1617	1726	1786	603
35°	1035	1098	1252	1326	1356	640
45°	652	645	586	621	628	507
55°	389	331	132	103	100	353
65°	251	208	26	6	6	246
75°	114	92	9	3	2	122
85°	24	15	0	0	0	29
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°	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4
2.5°	1583.4	1586.5	1569.6	1565.0	1577.2	1581.8	1583.4	1578.8	1580.3	1586.5	1586.5
5°	1555.8	1558.8	1543.5	1539.0	1551.2	1554.3	1558.8	1557.4	1561.9	1571.1	1569.6
7.5°	1529.8	1534.4	1517.5	1511.4	1526.7	1534.4	1537.4	1537.4	1543.5	1555.8	1557.4
10°	1500.6	1506.8	1491.5	1488.3	1505.2	1512.8	1514.4	1517.5	1526.7	1543.5	1546.6
12.5°	1476.1	1482.3	1471.5	1466.9	1485.2	1493.0	1496.0	1502.2	1512.8	1534.4	1537.4
15°	1454.7	1459.2	1446.9	1443.9	1462.3	1471.5	1473.0	1482.3	1496.0	1520.6	1525.1
17.5°	1427.1	1430.1	1420.9	1417.9	1436.3	1445.5	1446.9	1457.7	1474.6	1499.1	1506.8
20°	1394.8	1398.0	1388.8	1385.7	1404.0	1414.8	1416.3	1425.6	1445.5	1471.5	1479.2
22.5°	1356.5	1362.7	1352.0	1348.9	1367.3	1376.4	1381.1	1388.8	1408.7	1434.7	1445.5
25°	1316.8	1316.8	1309.0	1307.4	1324.4	1335.1	1333.6	1344.3	1364.1	1390.3	1399.5
27.5°	1264.6	1263.0	1255.3	1253.8	1272.2	1281.4	1278.4	1289.1	1307.4	1333.6	1342.8
30°	1195.7	1198.6	1187.9	1184.9	1200.2	1215.5	1214.0	1224.7	1243.0	1267.7	1273.8
32.5°	1112.8	1115.9	1114.4	1109.8	1123.5	1131.2	1135.8	1143.5	1158.8	1184.9	1191.0
35°	1034.7	1030.0	1023.9	1023.9	1037.8	1050.0	1045.4	1054.6	1069.9	1095.9	1097.5
37.5°	938.1	936.5	933.5	930.4	945.7	948.8	950.4	956.4	970.3	991.7	988.7
40°	836.9	838.4	836.9	830.8	840.0	852.2	850.7	853.8	866.0	881.3	876.8
42.5°	741.8	741.8	741.8	735.8	746.5	752.6	755.7	754.1	757.2	771.0	764.9
45°	651.5	653.0	651.5	649.9	651.5	654.6	651.5	649.9	649.9	654.6	645.3
47.5°	573.3	573.3	568.7	564.0	568.7	570.2	565.6	561.0	559.5	558.0	542.7
50°	502.8	501.2	499.7	492.0	496.6	498.1	492.0	488.9	482.8	475.2	456.8
52.5°	441.5	439.9	438.4	430.7	433.8	435.3	429.2	423.1	415.3	409.3	386.2
55°	389.3	387.8	387.8	383.2	380.1	383.2	377.0	372.5	361.7	354.1	331.1
57.5°	344.9	344.9	341.8	337.2	338.8	338.8	332.6	326.5	317.3	308.1	289.7
60°	306.5	306.5	306.5	302.0	302.0	302.0	298.9	292.8	285.1	275.9	257.5
62.5°	275.9	275.9	274.4	269.8	271.3	271.3	268.2	262.1	254.5	248.3	229.9
65°	251.4	251.4	251.4	246.9	246.9	248.3	245.3	239.1	233.0	225.3	208.5
67.5°	220.7	219.2	219.2	216.1	217.7	219.2	216.1	211.5	203.9	199.3	183.9
70°	182.4	183.9	185.4	180.9	182.4	182.4	180.9	176.3	171.7	167.1	153.4
72.5°	148.7	148.7	147.1	145.6	145.6	147.1	144.0	139.5	136.4	133.4	122.6
75°	113.5	111.9	113.5	110.4	110.4	110.4	107.2	105.8	104.2	99.6	91.9
77.5°	82.8	81.2	81.2	78.2	79.7	79.7	78.2	75.1	72.0	70.5	64.3
80°	56.7	56.7	56.7	55.2	55.2	53.6	53.6	52.1	49.1	47.5	44.5
82.5°	38.3	38.3	38.3	36.8	36.8	36.8	35.2	33.7	32.2	30.7	27.6
85°	24.5	24.5	24.5	23.0	23.0	23.0	21.5	21.5	19.9	18.4	15.3
87.5°	13.7	13.7	13.7	12.3	12.3	12.3	12.3	12.3	10.7	9.2	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°	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4
2.5°	1597.1	1575.8	1589.5	1589.5	1585.0	1597.1	1604.9	1611.0	1609.4	1595.7	1594.1
5°	1585.0	1566.6	1581.8	1583.4	1578.8	1595.7	1606.3	1614.1	1615.6	1603.4	1604.9
7.5°	1575.8	1560.4	1580.3	1586.5	1585.0	1600.3	1612.6	1624.7	1631.0	1621.7	1623.3
10°	1571.1	1558.8	1580.3	1589.5	1591.1	1607.9	1626.3	1643.2	1650.9	1644.7	1649.3
12.5°	1565.0	1557.4	1581.8	1595.7	1601.8	1618.6	1641.7	1661.5	1673.8	1670.7	1679.9
15°	1558.8	1552.7	1581.8	1601.8	1609.4	1624.7	1650.9	1679.9	1693.8	1692.2	1704.5
17.5°	1543.5	1542.0	1572.7	1594.1	1604.9	1623.3	1647.8	1683.0	1696.9	1699.9	1715.2
20°	1519.1	1519.1	1552.7	1575.8	1588.0	1604.9	1635.5	1669.3	1686.1	1689.1	1706.1
22.5°	1485.2	1488.3	1520.6	1543.5	1561.9	1574.2	1606.3	1641.7	1657.0	1661.5	1679.9
25°	1440.8	1443.9	1474.6	1497.5	1517.5	1531.2	1561.9	1594.1	1612.6	1617.1	1631.0
27.5°	1382.6	1388.8	1417.9	1440.8	1457.7	1466.9	1499.1	1532.8	1546.6	1551.2	1565.0
30°	1315.2	1316.8	1345.8	1365.7	1382.6	1390.3	1417.9	1453.2	1463.9	1468.4	1488.3
32.5°	1232.4	1230.9	1258.5	1276.9	1290.6	1299.8	1328.9	1352.0	1362.7	1370.4	1381.1
35°	1132.7	1131.2	1151.1	1172.6	1183.4	1186.3	1215.5	1240.1	1246.2	1252.3	1266.1
37.5°	1020.8	1020.8	1037.8	1048.4	1060.7	1065.2	1079.1	1106.7	1117.4	1115.9	1126.6
40°	902.8	896.8	908.9	919.7	922.8	924.3	938.1	959.5	967.2	967.2	974.8
42.5°	778.6	769.4	771.0	777.1	780.2	769.4	778.6	792.5	787.8	794.0	795.6
45°	646.8	633.0	627.0	613.1	616.2	605.4	599.4	602.4	600.8	585.6	588.6
47.5°	539.5	515.1	504.3	484.4	479.7	467.5	459.9	446.0	433.8	433.8	426.1
50°	449.2	424.6	403.1	380.1	372.5	361.7	344.9	326.5	317.3	308.1	300.5
52.5°	377.0	351.0	324.9	300.5	289.7	275.9	252.9	234.6	217.7	208.5	199.3
55°	318.8	289.7	262.1	236.1	222.3	208.5	185.4	164.0	144.0	131.8	124.2
57.5°	274.4	246.9	217.7	190.1	177.8	162.5	138.0	115.0	96.6	82.8	75.1
60°	242.2	214.6	188.6	159.4	147.1	131.8	105.8	84.3	65.9	53.6	44.5
62.5°	214.6	190.1	162.5	136.4	124.2	108.8	84.3	62.8	46.0	33.7	26.0
65°	194.7	170.2	147.1	121.1	110.4	95.1	72.0	52.1	36.8	26.0	18.4
67.5°	171.7	150.2	127.2	105.8	95.1	82.8	61.3	44.5	30.7	21.5	15.3
70°	144.0	127.2	107.2	87.4	79.7	69.0	50.6	36.8	24.5	16.9	12.3
72.5°	115.0	101.2	85.9	70.5	64.3	53.6	41.4	29.2	18.4	12.3	9.2
75°	87.4	76.6	64.3	53.6	47.5	41.4	30.7	21.5	13.7	9.2	6.1
77.5°	59.8	55.2	46.0	36.8	33.7	29.2	19.9	13.7	9.2	6.1	3.1
80°	41.4	36.8	30.7	24.5	21.5	18.4	12.3	9.2	4.7	3.1	1.6
82.5°	26.0	21.5	18.4	15.3	13.7	10.7	7.6	4.7	3.1	1.6	1.6
85°	13.7	12.3	10.7	7.6	7.6	6.1	4.7	3.1	1.6	0.0	0.0
87.5°	7.6	6.1	4.7	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°	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4
2.5°	1612.6	1612.6	1611.0	1629.4	1607.9	1629.4	1618.6	1629.4	1614.1	1612.6	1614.1
5°	1624.7	1629.4	1631.0	1647.8	1627.9	1653.9	1644.7	1653.9	1643.2	1646.2	1650.9
7.5°	1649.3	1657.0	1655.5	1676.9	1657.0	1686.1	1679.9	1693.8	1683.0	1686.1	1692.2
10°	1676.9	1686.1	1687.7	1709.1	1690.6	1726.0	1718.2	1733.6	1724.5	1729.0	1736.7
12.5°	1709.1	1719.8	1721.4	1745.8	1726.0	1762.8	1758.1	1773.4	1765.8	1770.4	1779.6
15°	1733.6	1748.9	1752.1	1776.5	1755.0	1793.4	1790.4	1810.2	1798.0	1805.7	1813.3
17.5°	1745.8	1759.7	1765.8	1788.8	1770.4	1808.8	1805.7	1822.5	1813.3	1821.0	1830.2
20°	1738.2	1755.0	1759.7	1782.6	1764.3	1802.6	1798.0	1814.9	1805.7	1811.7	1821.0
22.5°	1710.6	1727.4	1733.6	1755.0	1738.2	1773.4	1772.0	1787.3	1775.0	1782.6	1790.4
25°	1661.5	1679.9	1683.0	1702.9	1684.6	1721.4	1718.2	1735.2	1726.0	1730.5	1741.3
27.5°	1591.1	1612.6	1617.1	1633.9	1620.2	1650.9	1650.9	1664.6	1653.9	1653.9	1664.6
30°	1506.8	1528.2	1531.2	1545.1	1532.8	1560.4	1561.9	1575.8	1558.8	1568.0	1569.6
32.5°	1404.0	1417.9	1427.1	1439.3	1420.9	1456.2	1451.6	1462.3	1453.2	1453.2	1460.8
35°	1279.9	1296.8	1301.4	1316.8	1301.4	1328.9	1328.9	1335.1	1325.8	1325.8	1338.1
37.5°	1145.0	1157.3	1158.8	1174.1	1161.8	1184.9	1183.4	1187.9	1178.7	1184.9	1184.9
40°	987.1	996.3	999.4	1007.1	1005.6	1022.4	1020.8	1023.9	1019.3	1020.8	1023.9
42.5°	803.3	815.4	821.6	827.7	818.5	841.6	836.9	841.6	840.0	841.6	846.1
45°	591.6	600.8	605.4	607.0	603.9	617.8	628.4	619.2	620.7	617.8	623.9
47.5°	427.6	429.2	426.1	435.3	427.6	433.8	436.9	438.4	429.2	427.6	433.8
50°	292.8	300.5	289.7	294.2	292.8	298.9	295.8	297.4	288.2	292.8	289.7
52.5°	194.7	193.1	190.1	191.6	188.6	188.6	188.6	191.6	185.4	182.4	179.4
55°	118.0	115.0	108.8	107.2	107.2	108.8	105.8	102.7	102.7	101.2	101.2
57.5°	69.0	64.3	61.3	59.8	56.7	55.2	53.6	53.6	50.6	50.6	50.6
60°	38.3	33.7	30.7	27.6	27.6	26.0	24.5	23.0	23.0	23.0	21.5
62.5°	19.9	16.9	13.7	12.3	12.3	10.7	9.2	9.2	9.2	9.2	7.6
65°	13.7	10.7	9.2	7.6	7.6	6.1	6.1	6.1	6.1	6.1	6.1
67.5°	10.7	9.2	7.6	6.1	6.1	6.1	4.7	4.7	4.7	4.7	4.7
70°	9.2	6.1	6.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	6.1	6.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	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: P844315

CATALOG NUMBER: LD6C30DE010B35 EU6C30B35 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4
2.5°	1627.9	1626.3	1627.9	1631.0	1624.7	1643.2	1633.9	1643.2
5°	1663.1	1664.6	1666.2	1670.7	1663.1	1686.1	1673.8	1687.7
7.5°	1709.1	1710.6	1712.2	1716.8	1712.2	1735.2	1721.4	1733.6
10°	1756.6	1759.7	1759.7	1767.3	1762.8	1784.1	1775.0	1790.4
12.5°	1801.0	1804.1	1807.2	1811.7	1808.8	1831.7	1824.0	1836.3
15°	1836.3	1842.4	1844.0	1850.1	1847.1	1871.6	1862.4	1874.7
17.5°	1853.2	1859.3	1859.3	1866.9	1863.9	1890.0	1877.7	1891.5
20°	1844.0	1848.5	1850.1	1857.8	1854.7	1880.8	1868.5	1885.3
22.5°	1814.9	1816.4	1818.0	1825.6	1824.0	1847.1	1836.3	1847.1
25°	1761.2	1765.8	1764.3	1770.4	1770.4	1788.8	1776.5	1785.7
27.5°	1684.6	1689.1	1689.1	1696.9	1690.6	1709.1	1696.9	1710.6
30°	1591.1	1595.7	1592.6	1598.7	1592.6	1611.0	1601.8	1606.3
32.5°	1479.2	1479.2	1480.7	1482.3	1479.2	1496.0	1486.8	1496.0
35°	1345.8	1348.9	1350.4	1352.0	1348.9	1361.2	1350.4	1356.5
37.5°	1195.7	1203.3	1201.7	1203.3	1198.6	1214.0	1204.8	1207.9
40°	1034.7	1034.7	1033.1	1036.2	1031.6	1043.9	1037.8	1040.7
42.5°	847.6	852.2	846.1	853.8	841.6	858.4	852.2	847.6
45°	636.2	630.0	628.4	630.0	625.4	627.0	631.5	628.4
47.5°	433.8	433.8	430.7	426.1	432.3	433.8	427.6	427.6
50°	291.3	291.3	288.2	286.6	289.7	288.2	285.1	289.7
52.5°	185.4	179.4	179.4	182.4	179.4	176.3	180.9	177.8
55°	101.2	98.1	98.1	101.2	98.1	98.1	96.6	99.6
57.5°	49.1	50.6	49.1	49.1	49.1	49.1	47.5	49.1
60°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
62.5°	9.2	9.2	7.6	7.6	7.6	7.6	7.6	7.6
65°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
67.5°	4.7	4.7	4.7	4.7	4.7	6.1	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	6.1	6.1	6.1	6.1	6.1	6.1
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)