

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: P844408

Luminaire Tested: **LD6C35DE010B2750 EU6C35B40 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B2750 EU6C35B40 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

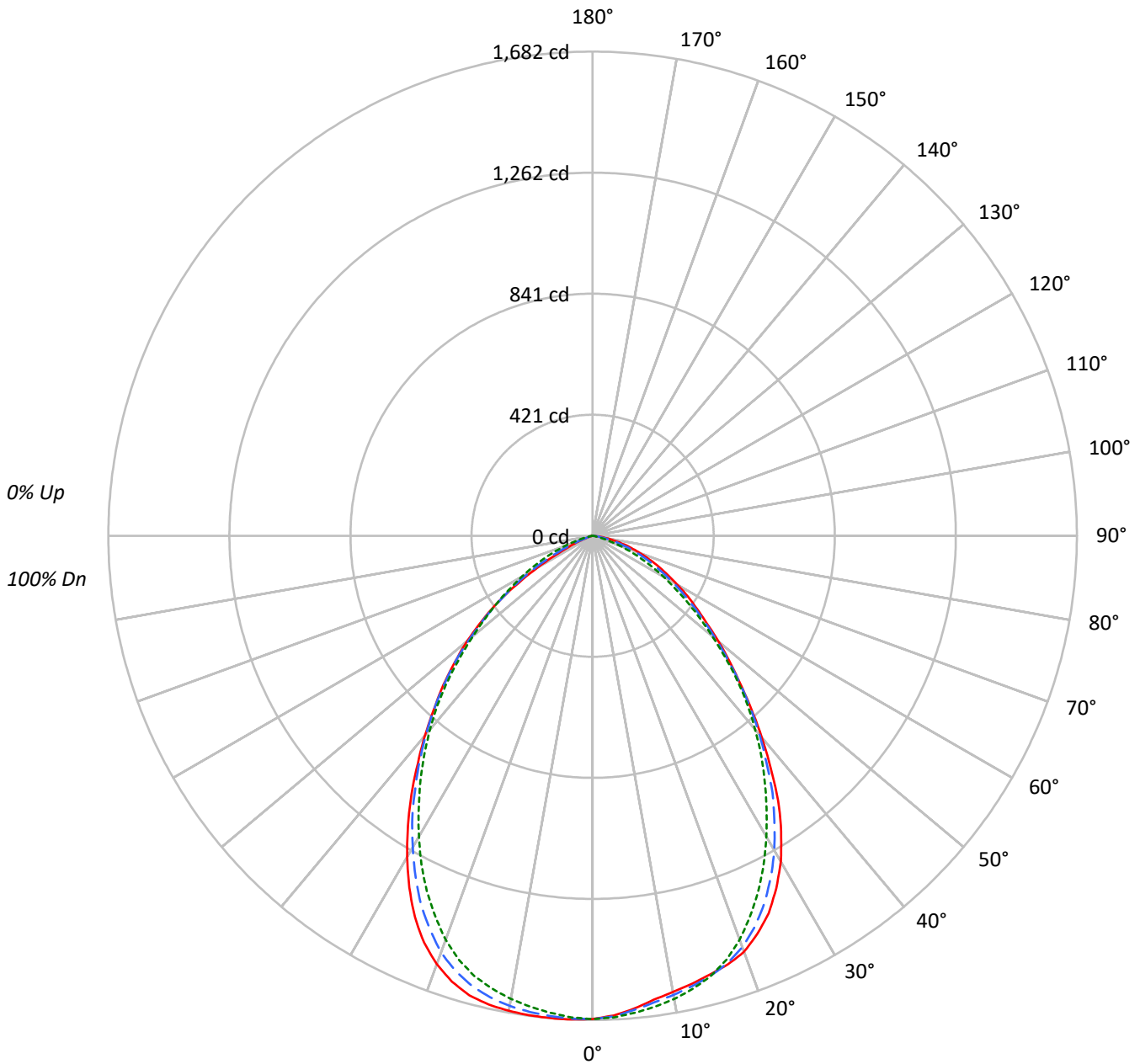
Lumens per Lamp: N/A
Luminaire Lumens: 3087.2 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41.7
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	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78																			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69																			
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61																			
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54																			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44																			
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	92027	92027	92027
5°	90760	91553	92560
10°	89555	90941	93290
15°	89507	89887	93792
20°	89713	87123	92367
25°	87513	82384	88384
30°	82741	76392	81513
35°	75228	69774	73408
40°	65401	62818	64800
45°	56060	55075	56843
50°	48621	46165	48476
55°	42197	38374	38164
60°	37157	31061	24143
65°	32585	23595	11584
70°	28002	15644	4280
75°	22791	6587	1165
80°	15406	1578	537
85°	6227	314	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	5.1
10°-20°	450.3	14.6
20°-30°	645.4	20.9
30°-40°	672.6	21.8
40°-50°	557.2	18.0
50°-60°	369.3	12.0
60°-70°	178.9	5.8
70°-80°	50.6	1.6
80°-90°	4.9	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°	1253.8	40.6
0°-40°	1926.3	62.4
0°-60°	2852.8	92.4
0°-90°	3087.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3087.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1679	1679	1679	1679	1679	
5°	1649	1654	1664	1675	1682	156
15°	1577	1583	1584	1619	1653	446
25°	1447	1410	1362	1412	1461	662
35°	1124	1089	1043	1075	1097	697
45°	723	721	710	728	733	563
55°	442	427	402	394	399	399
65°	251	227	182	125	89	250
75°	108	82	31	6	6	115
85°	10	4	0	0	0	17
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°	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7
2.5°	1668.1	1668.6	1669.8	1668.6	1669.3	1669.8	1669.8	1670.3	1670.3	1670.8	1671.5
5°	1649.3	1651.0	1651.0	1651.0	1651.0	1651.5	1652.0	1652.0	1651.5	1651.5	1653.7
7.5°	1625.4	1627.1	1626.5	1627.1	1627.6	1629.3	1628.8	1629.8	1631.0	1632.7	1634.9
10°	1608.8	1609.3	1608.8	1610.5	1611.5	1612.7	1612.7	1613.7	1614.9	1616.5	1619.3
12.5°	1593.9	1594.4	1594.9	1596.0	1597.1	1596.6	1597.7	1598.8	1599.4	1600.4	1602.1
15°	1577.1	1579.9	1579.4	1579.9	1580.5	1581.1	1581.6	1582.1	1581.6	1581.6	1582.7
17.5°	1561.6	1562.2	1562.8	1562.8	1562.8	1562.8	1561.6	1561.6	1560.0	1558.3	1557.2
20°	1537.8	1537.3	1536.1	1536.1	1533.9	1534.4	1532.2	1531.1	1528.4	1524.5	1520.6
22.5°	1496.2	1499.0	1497.8	1494.0	1491.8	1491.8	1489.6	1484.6	1480.2	1475.7	1470.6
25°	1446.8	1445.8	1444.1	1441.9	1438.5	1436.3	1433.0	1429.6	1422.4	1414.7	1410.2
27.5°	1380.8	1382.5	1378.6	1375.3	1373.7	1370.3	1367.0	1362.5	1353.7	1347.0	1339.3
30°	1307.1	1306.0	1305.4	1301.0	1296.6	1297.7	1291.1	1286.0	1279.4	1268.3	1262.2
32.5°	1218.4	1220.0	1216.7	1216.2	1207.8	1206.8	1206.8	1198.9	1193.4	1182.9	1174.6
35°	1124.1	1123.0	1121.8	1118.0	1117.4	1114.1	1111.4	1105.8	1098.6	1095.3	1088.6
37.5°	1015.4	1016.0	1016.5	1016.5	1014.3	1012.0	1009.8	1009.8	999.9	998.2	990.5
40°	913.9	915.6	915.1	911.2	911.7	912.2	911.7	911.2	905.0	902.8	901.7
42.5°	815.2	818.0	815.2	814.7	815.2	815.2	814.1	815.8	813.0	815.2	810.3
45°	723.1	725.3	723.7	723.1	722.0	724.8	721.5	724.3	722.6	719.8	720.9
47.5°	643.9	641.7	643.9	642.7	641.0	638.8	642.2	640.5	636.6	636.1	637.2
50°	570.1	569.0	570.1	569.5	566.8	566.8	566.3	565.1	564.0	560.7	558.4
52.5°	499.6	503.5	500.8	503.5	499.6	498.0	498.6	496.9	494.7	493.6	489.2
55°	441.5	442.0	442.0	442.0	439.8	438.7	437.5	436.5	436.5	431.4	427.0
57.5°	391.0	389.8	389.3	387.6	386.6	385.4	384.3	381.0	377.7	373.2	369.9
60°	338.9	339.9	339.9	337.7	336.0	334.4	333.9	331.7	327.8	323.3	318.3
62.5°	293.9	295.0	292.2	292.2	288.9	288.4	288.4	285.0	280.6	275.6	270.1
65°	251.2	250.7	251.8	247.9	248.4	245.2	244.0	242.3	237.9	231.8	226.9
67.5°	210.7	211.8	210.2	209.1	206.9	205.7	204.7	199.7	197.5	191.9	186.4
70°	174.7	173.6	172.5	172.5	170.3	168.6	168.1	162.5	159.7	155.3	149.1
72.5°	140.9	139.7	138.7	137.0	135.3	134.7	131.5	128.1	124.8	119.2	114.8
75°	107.6	107.0	105.9	104.8	102.1	100.9	100.4	96.5	90.4	86.0	82.1
77.5°	77.6	78.2	75.9	73.7	72.1	70.4	69.3	66.0	62.1	57.1	53.2
80°	48.8	49.4	48.8	47.2	44.9	44.3	42.7	40.5	37.1	33.8	31.1
82.5°	26.0	26.0	25.5	25.0	23.3	23.3	22.2	20.5	18.8	17.2	15.0
85°	9.9	9.9	9.4	8.9	8.4	8.4	7.7	7.2	6.1	5.5	4.4
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7
2.5°	1671.5	1672.0	1672.5	1673.1	1673.1	1673.1	1673.7	1674.2	1674.2	1674.8	1675.3
5°	1654.8	1655.4	1657.0	1657.6	1658.7	1658.2	1659.7	1661.4	1662.6	1663.7	1665.4
7.5°	1635.9	1637.6	1639.9	1641.4	1642.1	1642.6	1644.3	1646.5	1648.1	1650.3	1652.0
10°	1620.4	1622.1	1624.3	1626.5	1626.5	1627.6	1628.8	1630.4	1632.0	1633.7	1635.9
12.5°	1603.3	1605.5	1606.0	1607.1	1607.1	1607.7	1608.8	1609.3	1611.0	1611.5	1614.9
15°	1582.7	1582.7	1582.7	1582.7	1582.7	1582.1	1581.1	1582.1	1582.1	1583.8	1585.5
17.5°	1554.4	1554.4	1551.1	1549.4	1550.0	1547.2	1546.7	1544.5	1544.5	1544.5	1546.2
20°	1517.3	1512.3	1508.4	1503.4	1501.2	1500.0	1499.0	1494.0	1493.4	1493.4	1493.4
22.5°	1464.6	1459.0	1453.5	1449.6	1443.6	1441.3	1439.1	1435.7	1431.8	1429.6	1434.7
25°	1400.3	1393.6	1387.0	1379.2	1377.6	1374.7	1369.2	1365.8	1364.2	1362.0	1363.1
27.5°	1332.1	1322.6	1315.4	1307.7	1304.9	1301.5	1296.6	1291.6	1286.0	1287.1	1287.1
30°	1253.8	1242.7	1235.0	1225.6	1225.1	1221.7	1217.2	1211.2	1206.8	1206.8	1209.5
32.5°	1169.0	1161.3	1154.1	1143.5	1141.8	1139.6	1136.3	1130.7	1127.4	1124.1	1126.3
35°	1083.0	1070.9	1065.9	1059.2	1059.7	1053.6	1048.6	1045.4	1045.9	1042.6	1044.2
37.5°	990.5	983.3	976.0	973.2	970.5	967.1	965.0	962.8	961.6	961.6	960.5
40°	896.8	892.9	889.5	888.4	883.4	884.5	884.0	882.3	879.0	877.8	881.2
42.5°	808.6	804.6	803.0	800.2	799.7	798.0	798.0	796.4	795.8	796.4	795.8
45°	717.6	717.1	713.2	713.2	715.4	713.7	709.2	712.1	712.1	710.4	713.7
47.5°	633.8	634.4	632.1	627.8	627.8	625.0	621.7	624.4	626.1	623.4	625.0
50°	557.9	554.5	550.1	546.8	548.5	547.3	544.6	542.4	540.7	541.3	543.5
52.5°	485.8	484.1	479.1	475.3	474.1	474.7	471.4	468.0	468.6	468.0	466.9
55°	420.9	420.9	414.3	412.6	408.1	408.1	403.7	403.2	401.5	401.5	398.7
57.5°	364.9	359.9	356.0	352.2	350.5	348.3	346.6	342.7	341.1	337.7	337.2
60°	313.4	307.2	304.5	300.1	296.7	294.4	291.7	288.4	286.2	283.3	280.1
62.5°	267.3	260.6	255.1	250.7	247.9	247.4	242.9	239.0	234.6	231.2	225.7
65°	221.3	217.3	211.3	205.2	204.1	201.3	196.8	192.4	186.9	181.9	178.5
67.5°	180.7	175.8	170.3	166.9	163.1	160.9	155.8	149.1	143.1	138.1	132.0
70°	144.8	137.5	132.5	127.0	125.9	120.9	116.4	109.8	104.3	97.6	88.7
72.5°	108.7	101.5	97.6	92.0	88.7	86.0	79.9	73.7	64.8	59.9	52.1
75°	76.6	70.4	64.8	59.3	57.1	53.2	48.2	41.6	36.1	31.1	25.5
77.5°	47.7	43.8	38.8	34.4	32.2	29.9	26.0	21.0	17.2	13.3	9.9
80°	27.2	23.8	20.5	17.2	16.1	15.0	11.6	8.9	7.2	5.0	3.3
82.5°	12.8	10.6	8.9	7.2	6.7	5.5	3.9	2.7	1.7	1.1	0.5
85°	3.9	2.7	2.2	1.7	1.1	1.1	0.5	0.5	0.5	0.5	0.5
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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7
2.5°	1675.3	1675.9	1676.5	1676.5	1676.5	1677.0	1677.0	1678.1	1678.7	1679.2	1679.2
5°	1666.4	1668.1	1669.3	1669.8	1670.3	1672.0	1672.5	1674.2	1675.3	1676.5	1677.5
7.5°	1654.2	1655.9	1658.2	1659.2	1660.4	1662.6	1664.2	1667.0	1668.6	1670.8	1673.1
10°	1638.7	1640.9	1644.3	1645.4	1646.5	1649.3	1652.6	1655.9	1658.7	1662.0	1664.8
12.5°	1616.0	1619.3	1623.2	1624.3	1626.0	1629.8	1633.7	1638.7	1642.6	1647.1	1651.5
15°	1587.7	1592.2	1594.9	1596.0	1598.2	1603.8	1607.7	1613.2	1619.3	1626.0	1631.0
17.5°	1548.4	1550.6	1555.6	1557.8	1560.5	1566.0	1572.2	1578.8	1584.3	1591.6	1599.4
20°	1496.8	1500.0	1506.2	1508.4	1511.7	1516.8	1525.6	1531.1	1540.0	1548.9	1554.4
22.5°	1432.5	1438.5	1444.6	1447.4	1449.6	1455.7	1461.9	1471.3	1478.5	1490.6	1497.8
25°	1365.8	1367.5	1372.5	1377.6	1378.6	1386.3	1393.6	1404.7	1411.9	1419.7	1429.6
27.5°	1289.4	1291.6	1299.3	1300.5	1301.0	1309.4	1317.6	1326.5	1332.6	1341.5	1346.5
30°	1209.5	1213.4	1216.7	1218.9	1222.8	1226.6	1234.5	1245.6	1250.0	1257.7	1264.4
32.5°	1128.0	1128.0	1135.7	1136.3	1138.5	1147.4	1151.9	1158.4	1166.3	1172.4	1171.8
35°	1047.1	1049.3	1052.0	1055.8	1057.5	1063.1	1064.7	1069.8	1074.8	1079.2	1084.7
37.5°	963.3	963.3	969.3	972.2	973.8	976.6	979.4	984.3	987.1	988.8	992.1
40°	883.4	885.7	886.7	887.9	887.9	891.7	893.9	897.8	899.5	904.0	901.7
42.5°	802.4	801.4	801.9	804.6	805.2	807.4	809.1	811.3	813.5	812.5	816.3
45°	716.4	717.1	718.1	718.1	719.8	722.6	725.3	726.5	728.2	730.9	731.5
47.5°	626.6	629.4	627.8	632.1	633.3	633.8	640.5	641.0	646.6	647.7	647.7
50°	542.9	542.9	546.3	547.9	549.0	550.7	552.9	555.2	556.7	560.7	561.8
52.5°	467.5	468.6	468.6	466.9	468.6	468.6	474.1	474.7	474.1	475.3	476.9
55°	399.8	400.4	397.0	399.3	398.7	397.0	398.2	394.8	394.3	396.0	394.8
57.5°	335.0	332.7	332.2	329.5	329.5	326.6	323.8	323.8	321.6	317.7	317.2
60°	276.7	273.4	271.2	269.5	265.0	262.3	258.4	255.1	250.7	245.7	242.9
62.5°	221.8	218.0	213.5	211.3	207.9	201.3	196.3	191.3	184.1	179.7	175.2
65°	173.0	166.9	159.7	156.4	153.0	146.9	140.3	132.0	124.8	118.7	110.9
67.5°	125.3	118.7	111.5	106.5	103.1	95.9	88.2	81.0	72.7	66.0	62.1
70°	82.1	73.7	67.1	63.2	59.9	52.7	45.5	39.3	35.5	33.8	33.3
72.5°	46.5	38.3	33.3	29.4	26.7	21.6	17.8	15.5	14.4	13.9	12.8
75°	20.0	15.0	11.6	9.4	8.4	6.7	6.1	6.1	6.1	5.5	5.5
77.5°	7.2	5.0	3.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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: P844408

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B40 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7	1678.7
2.5°	1679.7	1680.9	1680.9	1681.4	1682.0	1682.0	1682.0	1682.0
5°	1678.7	1679.7	1680.3	1680.9	1681.4	1682.0	1682.0	1682.0
7.5°	1674.2	1676.5	1677.0	1678.1	1679.2	1679.7	1679.7	1680.3
10°	1667.6	1669.8	1671.5	1672.5	1673.7	1674.8	1675.9	1675.9
12.5°	1655.4	1658.7	1660.9	1662.0	1664.8	1665.9	1667.0	1668.1
15°	1635.4	1639.9	1642.6	1644.8	1647.1	1650.3	1651.0	1652.6
17.5°	1605.5	1611.5	1612.7	1616.0	1618.7	1624.3	1623.8	1624.3
20°	1562.2	1568.9	1571.1	1574.4	1578.8	1582.7	1586.0	1583.3
22.5°	1504.5	1512.3	1515.6	1519.0	1521.7	1525.0	1529.4	1530.1
25°	1436.3	1442.9	1445.8	1448.0	1453.5	1456.3	1460.7	1461.2
27.5°	1358.1	1362.0	1365.8	1367.0	1373.1	1374.7	1378.6	1378.6
30°	1269.4	1273.8	1278.3	1279.9	1281.5	1283.2	1286.0	1287.7
32.5°	1178.4	1182.9	1184.5	1187.3	1187.8	1190.7	1189.5	1194.0
35°	1087.5	1088.6	1090.3	1089.7	1093.6	1093.1	1097.5	1096.9
37.5°	996.0	994.9	997.7	1000.4	999.4	998.2	999.9	997.1
40°	904.5	905.0	905.5	908.4	905.5	907.2	906.2	905.5
42.5°	819.0	819.0	815.8	819.0	816.9	815.8	818.0	814.7
45°	732.6	732.0	732.6	733.2	733.2	733.2	730.9	733.2
47.5°	650.6	651.1	648.9	652.7	651.6	649.4	649.4	647.7
50°	563.4	566.8	570.6	567.3	570.1	568.4	566.8	568.4
52.5°	480.8	483.0	480.3	480.8	486.9	486.9	483.6	483.0
55°	392.6	392.6	393.8	394.3	394.8	402.0	398.2	399.3
57.5°	313.9	313.9	312.2	315.5	313.4	310.5	313.4	306.1
60°	238.5	237.9	236.3	234.1	228.4	226.9	220.7	220.2
62.5°	169.6	163.6	161.4	157.0	150.8	149.1	143.1	142.6
65°	105.3	98.1	95.9	93.7	91.0	90.4	88.2	89.3
67.5°	59.9	58.8	58.3	56.6	55.4	54.4	54.4	53.8
70°	31.6	29.4	28.9	28.2	28.2	26.0	25.5	26.7
72.5°	12.2	11.1	11.1	11.1	10.6	10.6	10.6	10.6
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5
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)