

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: P844264

Luminaire Tested: **LD6C25DE010B2750 EU6C25B50 6LBSWLI**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844264  
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: LD6C25DE010B2750 EU6C25B50 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

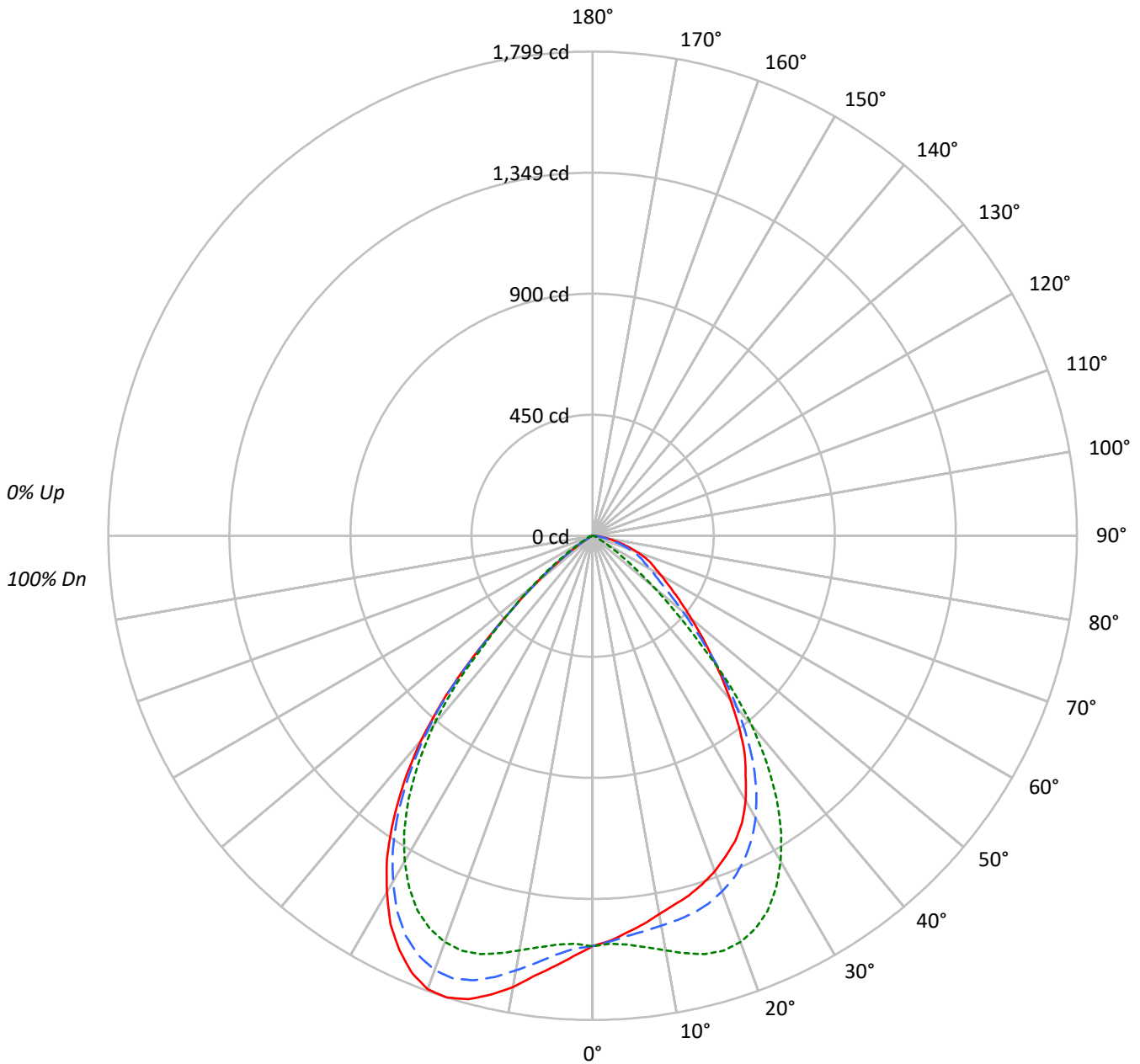
Lumens per Lamp: N/A  
Luminaire Lumens: 2786.8 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.8  
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				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°	83584	83584	83584
5°	81411	83904	88306
10°	79435	87056	94771
15°	78508	91329	101170
20°	77380	93703	104589
25°	75736	93011	102714
30°	71973	88393	96692
35°	65846	79692	86331
40°	56957	65816	70818
45°	48028	43167	46330
50°	40775	24989	23496
55°	35392	11976	9061
60°	31960	5592	2237
65°	31002	3204	752
70°	27809	2581	689
75°	22854	1864	318
80°	17016	916	0
85°	14718	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.3	5.3
10°-20°	448.8	16.1
20°-30°	685.7	24.6
30°-40°	717.2	25.7
40°-50°	465.3	16.7
50°-60°	184.7	6.6
60°-70°	87.6	3.1
70°-80°	41.7	1.5
80°-90°	8.5	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°	1281.8	46.0
0°-40°	1999.1	71.7
0°-60°	2649.1	95.1
0°-90°	2786.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2786.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1525	1525	1525	1525	1525	
5°	1479	1493	1525	1562	1605	140
15°	1383	1450	1609	1710	1783	390
25°	1252	1331	1538	1641	1698	573
35°	984	1044	1191	1261	1290	608
45°	620	614	557	590	598	482
55°	370	315	125	98	95	335
65°	239	198	25	6	6	233
75°	108	88	9	3	2	116
85°	23	15	0	0	0	27
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°	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7
2.5°	1505.6	1508.6	1492.6	1488.2	1499.8	1504.2	1505.6	1501.3	1502.8	1508.6	1508.6
5°	1479.4	1482.4	1467.8	1463.3	1475.1	1478.0	1482.4	1480.9	1485.3	1494.0	1492.6
7.5°	1454.7	1459.1	1443.0	1437.2	1451.8	1459.1	1462.0	1462.0	1467.8	1479.4	1480.9
10°	1427.0	1432.8	1418.3	1415.3	1431.3	1438.6	1440.1	1443.0	1451.8	1467.8	1470.6
12.5°	1403.7	1409.5	1399.2	1394.9	1412.4	1419.7	1422.6	1428.4	1438.6	1459.1	1462.0
15°	1383.3	1387.6	1376.0	1373.0	1390.6	1399.2	1400.7	1409.5	1422.6	1445.9	1450.3
17.5°	1357.0	1359.9	1351.2	1348.3	1365.7	1374.5	1376.0	1386.1	1402.2	1425.6	1432.8
20°	1326.4	1329.3	1320.6	1317.7	1335.2	1345.3	1346.8	1355.6	1374.5	1399.2	1406.5
22.5°	1290.0	1295.8	1285.7	1282.7	1300.1	1308.9	1313.3	1320.6	1339.5	1364.2	1374.5
25°	1252.1	1252.1	1244.8	1243.4	1259.3	1269.6	1268.1	1278.3	1297.2	1322.0	1330.7
27.5°	1202.5	1201.0	1193.8	1192.3	1209.8	1218.6	1215.6	1225.8	1243.4	1268.1	1276.9
30°	1137.0	1139.8	1129.7	1126.7	1141.3	1155.9	1154.4	1164.6	1182.1	1205.4	1211.3
32.5°	1058.2	1061.1	1059.6	1055.3	1068.4	1075.7	1080.1	1087.4	1101.9	1126.7	1132.5
35°	983.9	979.5	973.7	973.7	986.8	998.4	994.1	1002.8	1017.4	1042.2	1043.7
37.5°	892.0	890.5	887.7	884.7	899.3	902.3	903.7	909.6	922.7	943.1	940.1
40°	795.9	797.2	795.9	789.9	798.7	810.5	809.0	811.9	823.5	838.1	833.7
42.5°	705.4	705.4	705.4	699.6	709.9	715.7	718.6	717.1	720.0	733.2	727.3
45°	619.5	620.9	619.5	618.0	619.5	622.4	619.5	618.0	618.0	622.4	613.6
47.5°	545.1	545.1	540.8	536.4	540.8	542.2	537.9	533.5	532.0	530.6	516.0
50°	478.1	476.6	475.2	467.9	472.2	473.7	467.9	464.9	459.1	451.8	434.4
52.5°	419.8	418.3	416.8	409.5	412.5	414.0	408.1	402.3	395.0	389.2	367.3
55°	370.3	368.8	368.8	364.5	361.5	364.5	358.5	354.2	343.9	336.8	314.9
57.5°	328.0	328.0	325.0	320.7	322.2	322.2	316.3	310.4	301.7	293.0	275.5
60°	291.5	291.5	291.5	287.1	287.1	287.1	284.2	278.4	271.2	262.4	244.8
62.5°	262.4	262.4	260.9	256.6	258.0	258.0	255.1	249.3	242.0	236.2	218.6
65°	239.0	239.0	239.0	234.7	234.7	236.2	233.2	227.4	221.6	214.3	198.2
67.5°	209.8	208.5	208.5	205.5	207.0	208.5	205.5	201.2	193.9	189.5	174.9
70°	173.5	174.9	176.3	172.0	173.5	173.5	172.0	167.6	163.3	158.9	145.7
72.5°	141.4	141.4	139.9	138.4	138.4	139.9	137.0	132.6	129.8	126.8	116.6
75°	107.9	106.4	107.9	104.9	104.9	104.9	102.0	100.6	99.1	94.8	87.5
77.5°	78.7	77.2	77.2	74.4	75.8	75.8	74.4	71.4	68.4	67.1	61.2
80°	53.9	53.9	53.9	52.5	52.5	51.0	51.0	49.6	46.6	45.2	42.3
82.5°	36.4	36.4	36.4	35.0	35.0	35.0	33.5	32.0	30.7	29.2	26.2
85°	23.4	23.4	23.4	21.9	21.9	21.9	20.4	20.4	18.9	17.5	14.6
87.5°	13.1	13.1	13.1	11.6	11.6	11.6	11.6	11.6	10.2	8.8	7.3
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°	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7
2.5°	1518.8	1498.3	1511.5	1511.5	1507.1	1518.8	1526.2	1531.9	1530.4	1517.4	1515.9
5°	1507.1	1489.7	1504.2	1505.6	1501.3	1517.4	1527.5	1534.8	1536.3	1524.7	1526.2
7.5°	1498.3	1483.9	1502.8	1508.6	1507.1	1521.7	1533.4	1545.0	1550.9	1542.1	1543.6
10°	1494.0	1482.4	1502.8	1511.5	1512.9	1529.0	1546.5	1562.5	1569.8	1563.9	1568.4
12.5°	1488.2	1480.9	1504.2	1517.4	1523.2	1539.2	1561.1	1580.0	1591.7	1588.8	1597.4
15°	1482.4	1476.6	1504.2	1523.2	1530.4	1545.0	1569.8	1597.4	1610.7	1609.2	1620.8
17.5°	1467.8	1466.3	1495.5	1515.9	1526.2	1543.6	1566.9	1600.4	1613.5	1616.5	1631.1
20°	1444.5	1444.5	1476.6	1498.3	1510.1	1526.2	1555.3	1587.3	1603.4	1606.2	1622.3
22.5°	1412.4	1415.3	1445.9	1467.8	1485.3	1496.9	1527.5	1561.1	1575.7	1580.0	1597.4
25°	1370.2	1373.0	1402.2	1424.1	1443.0	1456.2	1485.3	1515.9	1533.4	1537.7	1550.9
27.5°	1314.7	1320.6	1348.3	1370.2	1386.1	1394.9	1425.6	1457.6	1470.6	1475.1	1488.2
30°	1250.7	1252.1	1279.7	1298.7	1314.7	1322.0	1348.3	1381.8	1392.1	1396.4	1415.3
32.5°	1171.9	1170.5	1196.7	1214.2	1227.3	1236.1	1263.7	1285.7	1295.8	1303.1	1313.3
35°	1077.2	1075.7	1094.7	1115.1	1125.2	1128.2	1155.9	1179.2	1185.1	1190.8	1204.0
37.5°	970.8	970.8	986.8	997.0	1008.7	1013.0	1026.1	1052.5	1062.6	1061.1	1071.3
40°	858.5	852.7	864.3	874.6	877.5	878.9	892.0	912.4	919.7	919.7	927.0
42.5°	740.4	731.7	733.2	739.0	741.9	731.7	740.4	753.6	749.1	755.0	756.5
45°	615.1	602.0	596.2	583.0	585.9	575.8	570.0	572.8	571.4	556.8	559.7
47.5°	513.1	489.8	479.5	460.6	456.3	444.5	437.3	424.1	412.5	412.5	405.2
50°	427.1	403.8	383.3	361.5	354.2	343.9	328.0	310.4	301.7	293.0	285.7
52.5°	358.5	333.8	308.9	285.7	275.5	262.4	240.5	223.1	207.0	198.2	189.5
55°	303.2	275.5	249.3	224.4	211.3	198.2	176.3	156.0	137.0	125.3	118.0
57.5°	260.9	234.7	207.0	180.7	169.1	154.5	131.3	109.3	91.8	78.7	71.4
60°	230.4	204.1	179.3	151.6	139.9	125.3	100.6	80.2	62.7	51.0	42.3
62.5°	204.1	180.7	154.5	129.8	118.0	103.4	80.2	59.8	43.7	32.0	24.7
65°	185.1	161.8	139.9	115.2	104.9	90.4	68.4	49.6	35.0	24.7	17.5
67.5°	163.3	142.8	121.0	100.6	90.4	78.7	58.3	42.3	29.2	20.4	14.6
70°	137.0	121.0	102.0	83.1	75.8	65.6	48.1	35.0	23.4	16.1	11.6
72.5°	109.3	96.2	81.6	67.1	61.2	51.0	39.3	27.7	17.5	11.6	8.8
75°	83.1	72.9	61.2	51.0	45.2	39.3	29.2	20.4	13.1	8.8	5.8
77.5°	56.9	52.5	43.7	35.0	32.0	27.7	18.9	13.1	8.8	5.8	2.9
80°	39.3	35.0	29.2	23.4	20.4	17.5	11.6	8.8	4.3	2.9	1.5
82.5°	24.7	20.4	17.5	14.6	13.1	10.2	7.3	4.3	2.9	1.5	1.5
85°	13.1	11.6	10.2	7.3	7.3	5.8	4.3	2.9	1.5	0.0	0.0
87.5°	7.3	5.8	4.3	2.9	2.9	1.5	1.5	1.5	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°	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7
2.5°	1533.4	1533.4	1531.9	1549.4	1529.0	1549.4	1539.2	1549.4	1534.8	1533.4	1534.8
5°	1545.0	1549.4	1550.9	1566.9	1548.0	1572.7	1563.9	1572.7	1562.5	1565.4	1569.8
7.5°	1568.4	1575.7	1574.2	1594.6	1575.7	1603.4	1597.4	1610.7	1600.4	1603.4	1609.2
10°	1594.6	1603.4	1604.7	1625.3	1607.7	1641.2	1633.9	1648.5	1639.8	1644.2	1651.5
12.5°	1625.3	1635.4	1636.9	1660.2	1641.2	1676.2	1671.8	1686.4	1679.1	1683.5	1692.3
15°	1648.5	1663.1	1666.0	1689.4	1668.9	1705.3	1702.5	1721.4	1709.8	1717.1	1724.4
17.5°	1660.2	1673.3	1679.1	1701.0	1683.5	1719.9	1717.1	1733.1	1724.4	1731.7	1740.3
20°	1652.9	1668.9	1673.3	1695.2	1677.7	1714.1	1709.8	1725.8	1717.1	1722.9	1731.7
22.5°	1626.6	1642.7	1648.5	1668.9	1652.9	1686.4	1685.0	1699.6	1687.9	1695.2	1702.5
25°	1580.0	1597.4	1600.4	1619.3	1601.9	1636.9	1633.9	1650.0	1641.2	1645.6	1655.8
27.5°	1512.9	1533.4	1537.7	1553.8	1540.7	1569.8	1569.8	1583.0	1572.7	1572.7	1583.0
30°	1432.8	1453.2	1456.2	1469.3	1457.6	1483.9	1485.3	1498.3	1482.4	1491.2	1492.6
32.5°	1335.2	1348.3	1357.0	1368.7	1351.2	1384.8	1380.3	1390.6	1381.8	1381.8	1389.1
35°	1217.1	1233.1	1237.5	1252.1	1237.5	1263.7	1263.7	1269.6	1260.8	1260.8	1272.4
37.5°	1088.8	1100.5	1101.9	1116.5	1104.8	1126.7	1125.2	1129.7	1120.9	1126.7	1126.7
40°	938.6	947.4	950.4	957.6	956.2	972.2	970.8	973.7	969.3	970.8	973.7
42.5°	763.8	775.5	781.3	787.1	778.4	800.2	795.9	800.2	798.7	800.2	804.6
45°	562.7	571.4	575.8	577.3	574.3	587.4	597.6	588.9	590.3	587.4	593.2
47.5°	406.7	408.1	405.2	414.0	406.7	412.5	415.4	416.8	408.1	406.7	412.5
50°	278.4	285.7	275.5	279.8	278.4	284.2	281.3	282.8	274.0	278.4	275.5
52.5°	185.1	183.6	180.7	182.2	179.3	179.3	179.3	182.2	176.3	173.5	170.5
55°	112.2	109.3	103.4	102.0	102.0	103.4	100.6	97.7	97.7	96.2	96.2
57.5°	65.6	61.2	58.3	56.9	53.9	52.5	51.0	51.0	48.1	48.1	48.1
60°	36.4	32.0	29.2	26.2	26.2	24.7	23.4	21.9	21.9	21.9	20.4
62.5°	18.9	16.1	13.1	11.6	11.6	10.2	8.8	8.8	8.8	8.8	7.3
65°	13.1	10.2	8.8	7.3	7.3	5.8	5.8	5.8	5.8	5.8	5.8
67.5°	10.2	8.8	7.3	5.8	5.8	5.8	4.3	4.3	4.3	4.3	4.3
70°	8.8	5.8	5.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	5.8	5.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
75°	4.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
80°	1.5	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: P844264

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B50 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7	1524.7
2.5°	1548.0	1546.5	1548.0	1550.9	1545.0	1562.5	1553.8	1562.5
5°	1581.5	1583.0	1584.4	1588.8	1581.5	1603.4	1591.7	1604.7
7.5°	1625.3	1626.6	1628.1	1632.5	1628.1	1650.0	1636.9	1648.5
10°	1670.4	1673.3	1673.3	1680.6	1676.2	1696.7	1687.9	1702.5
12.5°	1712.6	1715.6	1718.5	1722.9	1719.9	1741.8	1734.5	1746.2
15°	1746.2	1752.0	1753.5	1759.3	1756.4	1779.7	1770.9	1782.6
17.5°	1762.2	1768.0	1768.0	1775.3	1772.4	1797.2	1785.5	1798.7
20°	1753.5	1757.9	1759.3	1766.7	1763.7	1788.5	1776.8	1792.8
22.5°	1725.8	1727.2	1728.7	1736.0	1734.5	1756.4	1746.2	1756.4
25°	1674.8	1679.1	1677.7	1683.5	1683.5	1701.0	1689.4	1698.1
27.5°	1601.9	1606.2	1606.2	1613.5	1607.7	1625.3	1613.5	1626.6
30°	1512.9	1517.4	1514.4	1520.2	1514.4	1531.9	1523.2	1527.5
32.5°	1406.5	1406.5	1408.0	1409.5	1406.5	1422.6	1413.8	1422.6
35°	1279.7	1282.7	1284.2	1285.7	1282.7	1294.3	1284.2	1290.0
37.5°	1137.0	1144.3	1142.8	1144.3	1139.8	1154.4	1145.6	1148.6
40°	983.9	983.9	982.4	985.4	981.0	992.6	986.8	989.6
42.5°	806.0	810.5	804.6	811.9	800.2	816.2	810.5	806.0
45°	605.0	599.0	597.6	599.0	594.7	596.2	600.5	597.6
47.5°	412.5	412.5	409.5	405.2	411.0	412.5	406.7	406.7
50°	276.9	276.9	274.0	272.6	275.5	274.0	271.2	275.5
52.5°	176.3	170.5	170.5	173.5	170.5	167.6	172.0	169.1
55°	96.2	93.3	93.3	96.2	93.3	93.3	91.8	94.8
57.5°	46.6	48.1	46.6	46.6	46.6	46.6	45.2	46.6
60°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
62.5°	8.8	8.8	7.3	7.3	7.3	7.3	7.3	7.3
65°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
67.5°	4.3	4.3	4.3	4.3	4.3	5.8	4.3	4.3
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	4.3	4.3	5.8	5.8	5.8	5.8	5.8	5.8
75°	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5
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)