

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: P844247

Luminaire Tested: **LD6C25DE010B40 EU6C25B40 6LBSWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844247  
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: LD6C25DE010B40 EU6C25B40 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

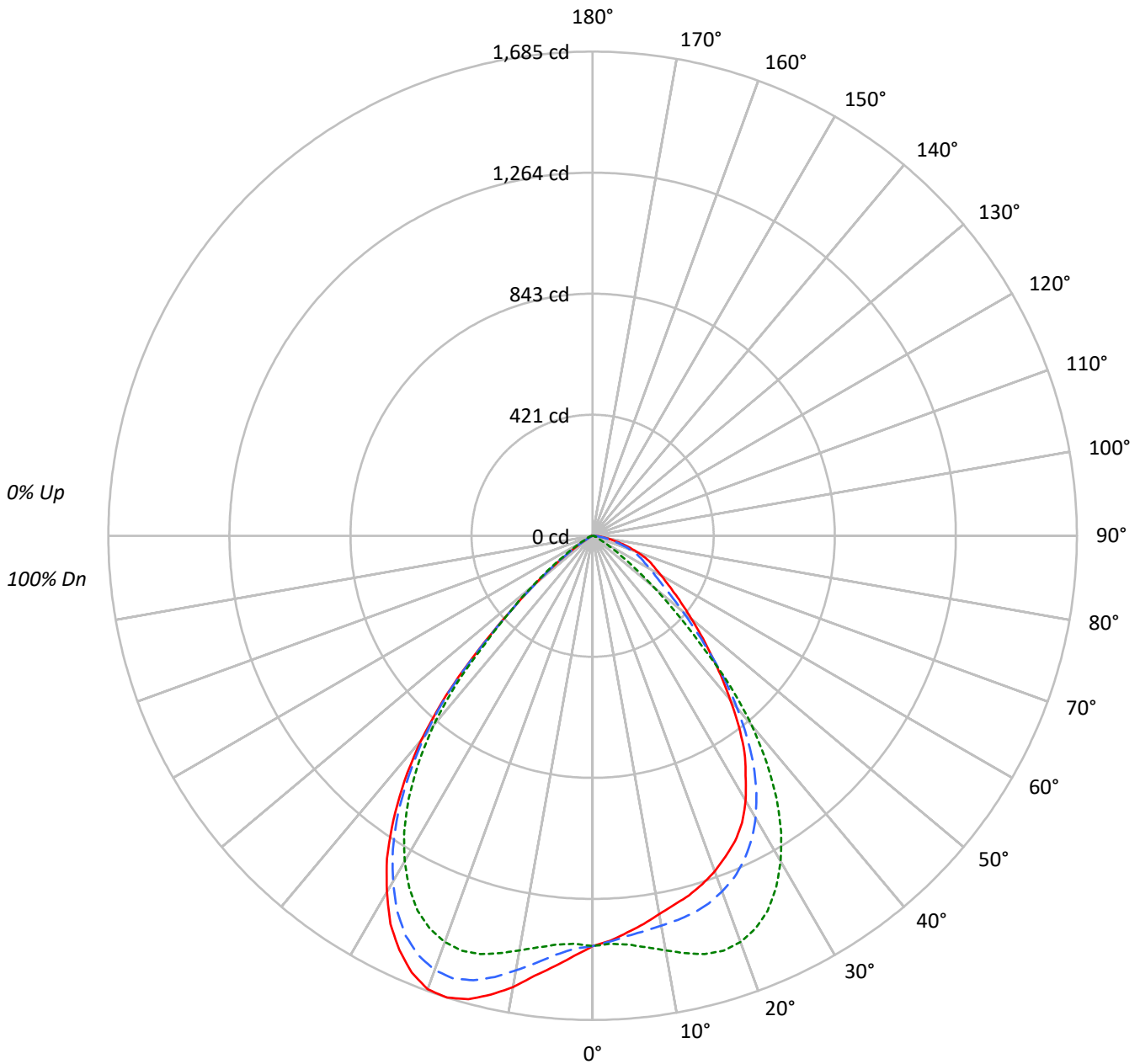
Lumens per Lamp: N/A  
Luminaire Lumens: 2610.2 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844247

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBSWLI

### Luminous Intensity Polar Plot





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CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBSWLI

**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°	78283	78283	78283
5°	76254	78582	82715
10°	74397	81539	88765
15°	73531	85540	94762
20°	72474	87770	97962
25°	70934	87120	96205
30°	67403	82791	90571
35°	61670	74646	80856
40°	53343	61644	66331
45°	44981	40431	43392
50°	38191	23411	22012
55°	33146	11221	8478
60°	29943	5241	2083
65°	29043	3009	700
70°	26046	2404	657
75°	21393	1737	297
80°	15911	852	0
85°	13775	0	0



TEST NUMBER: P844247

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBSWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.9	5.3
10°-20°	420.4	16.1
20°-30°	642.3	24.6
30°-40°	671.8	25.7
40°-50°	435.8	16.7
50°-60°	173.0	6.6
60°-70°	82.1	3.1
70°-80°	39.0	1.5
80°-90°	8.0	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°	1200.6	46.0
0°-40°	1872.4	71.7
0°-60°	2481.2	95.1
0°-90°	2610.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2610.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1428	1428	1428	1428	1428	
5°	1386	1398	1428	1464	1503	131
15°	1296	1358	1507	1601	1670	365
25°	1173	1246	1440	1537	1590	537
35°	922	978	1115	1181	1208	570
45°	580	575	522	553	560	451
55°	347	295	117	92	89	314
65°	224	186	23	5	5	219
75°	101	82	8	3	1	109
85°	22	14	0	0	0	25
90°	0	0	0	0	0	



TEST NUMBER: P844247

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBSWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0
2.5°	1410.2	1413.0	1398.0	1393.9	1404.9	1408.9	1410.2	1406.1	1407.5	1413.0	1413.0
5°	1385.7	1388.4	1374.7	1370.7	1381.6	1384.3	1388.4	1387.1	1391.2	1399.4	1398.0
7.5°	1362.4	1366.6	1351.6	1346.2	1359.8	1366.6	1369.3	1369.3	1374.7	1385.7	1387.1
10°	1336.5	1342.0	1328.4	1325.6	1340.7	1347.4	1348.8	1351.6	1359.8	1374.7	1377.5
12.5°	1314.7	1320.1	1310.6	1306.5	1322.9	1329.7	1332.4	1337.9	1347.4	1366.6	1369.3
15°	1295.6	1299.7	1288.7	1286.1	1302.4	1310.6	1312.0	1320.1	1332.4	1354.3	1358.4
17.5°	1271.0	1273.7	1265.6	1262.8	1279.2	1287.4	1288.7	1298.2	1313.4	1335.2	1342.0
20°	1242.3	1245.0	1236.9	1234.2	1250.5	1260.1	1261.4	1269.7	1287.4	1310.6	1317.4
22.5°	1208.2	1213.6	1204.1	1201.4	1217.8	1225.9	1230.0	1236.9	1254.7	1277.8	1287.4
25°	1172.7	1172.7	1165.9	1164.6	1179.6	1189.1	1187.7	1197.2	1215.0	1238.3	1246.4
27.5°	1126.3	1124.9	1118.1	1116.8	1133.1	1141.3	1138.5	1148.2	1164.6	1187.7	1196.0
30°	1064.8	1067.6	1058.1	1055.3	1069.0	1082.6	1081.2	1090.7	1107.1	1129.0	1134.5
32.5°	991.1	993.9	992.5	988.5	1000.7	1007.5	1011.6	1018.4	1032.0	1055.3	1060.8
35°	921.5	917.4	912.0	912.0	924.3	935.2	931.0	939.3	952.9	976.1	977.5
37.5°	835.5	834.2	831.4	828.7	842.3	845.0	846.4	851.9	864.2	883.3	880.6
40°	745.4	746.8	745.4	739.9	748.2	759.1	757.7	760.4	771.3	785.0	781.0
42.5°	660.7	660.7	660.7	655.3	664.8	670.3	673.1	671.7	674.3	686.7	681.2
45°	580.2	581.6	580.2	578.8	580.2	583.0	580.2	578.8	578.8	583.0	574.7
47.5°	510.6	510.6	506.5	502.4	506.5	507.9	503.8	499.6	498.3	497.0	483.3
50°	447.8	446.4	445.1	438.3	442.3	443.7	438.3	435.5	430.0	423.3	406.9
52.5°	393.2	391.9	390.5	383.6	386.4	387.7	382.2	376.8	370.0	364.6	344.0
55°	346.8	345.4	345.4	341.3	338.5	341.3	335.8	331.8	322.2	315.4	294.9
57.5°	307.1	307.1	304.4	300.4	301.7	301.7	296.2	290.7	282.6	274.5	258.1
60°	273.1	273.1	273.1	269.0	269.0	269.0	266.2	260.8	253.9	245.7	229.4
62.5°	245.7	245.7	244.3	240.3	241.7	241.7	238.9	233.4	226.7	221.2	204.8
65°	223.9	223.9	223.9	219.8	219.8	221.2	218.4	213.0	207.5	200.6	185.6
67.5°	196.6	195.2	195.2	192.5	193.9	195.2	192.5	188.5	181.6	177.5	163.8
70°	162.5	163.8	165.2	161.1	162.5	162.5	161.1	157.1	152.9	148.8	136.5
72.5°	132.4	132.4	131.0	129.7	129.7	131.0	128.3	124.3	121.5	118.8	109.1
75°	101.0	99.6	101.0	98.4	98.4	98.4	95.5	94.2	92.9	88.7	81.9
77.5°	73.7	72.3	72.3	69.6	71.0	71.0	69.6	66.9	64.1	62.8	57.3
80°	50.4	50.4	50.4	49.2	49.2	47.8	47.8	46.4	43.7	42.3	39.7
82.5°	34.2	34.2	34.2	32.8	32.8	32.8	31.4	30.0	28.7	27.3	24.5
85°	21.9	21.9	21.9	20.5	20.5	20.5	19.0	19.0	17.8	16.4	13.6
87.5°	12.3	12.3	12.3	10.9	10.9	10.9	10.9	10.9	9.5	8.2	6.9
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: P844247

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0
2.5°	1422.5	1403.5	1415.7	1415.7	1411.6	1422.5	1429.4	1434.8	1433.4	1421.1	1419.8
5°	1411.6	1395.2	1408.9	1410.2	1406.1	1421.1	1430.8	1437.5	1438.9	1428.0	1429.4
7.5°	1403.5	1389.8	1407.5	1413.0	1411.6	1425.3	1436.3	1447.1	1452.6	1444.4	1445.8
10°	1399.4	1388.4	1407.5	1415.7	1417.1	1432.1	1448.5	1463.6	1470.3	1464.8	1468.9
12.5°	1393.9	1387.1	1408.9	1421.1	1426.6	1441.7	1462.2	1479.8	1490.8	1488.1	1496.2
15°	1388.4	1383.0	1408.9	1426.6	1433.4	1447.1	1470.3	1496.2	1508.6	1507.2	1518.1
17.5°	1374.7	1373.4	1400.7	1419.8	1429.4	1445.8	1467.6	1499.0	1511.3	1514.0	1527.6
20°	1352.9	1352.9	1383.0	1403.5	1414.4	1429.4	1456.7	1486.7	1501.7	1504.5	1519.5
22.5°	1322.9	1325.6	1354.3	1374.7	1391.2	1402.0	1430.8	1462.2	1475.8	1479.8	1496.2
25°	1283.3	1286.1	1313.4	1333.8	1351.6	1363.8	1391.2	1419.8	1436.3	1440.3	1452.6
27.5°	1231.4	1236.9	1262.8	1283.3	1298.2	1306.5	1335.2	1365.2	1377.5	1381.6	1393.9
30°	1171.3	1172.7	1198.6	1216.4	1231.4	1238.3	1262.8	1294.2	1303.7	1307.9	1325.6
32.5°	1097.6	1096.2	1120.9	1137.3	1149.5	1157.7	1183.6	1204.1	1213.6	1220.5	1230.0
35°	1008.9	1007.5	1025.3	1044.4	1053.9	1056.7	1082.6	1104.5	1109.9	1115.4	1127.6
37.5°	909.2	909.2	924.3	933.8	944.7	948.8	961.1	985.7	995.2	993.9	1003.4
40°	804.1	798.6	809.5	819.1	821.9	823.2	835.5	854.6	861.4	861.4	868.2
42.5°	693.5	685.3	686.7	692.1	694.9	685.3	693.5	705.8	701.7	707.1	708.6
45°	576.1	563.8	558.3	546.1	548.8	539.3	533.8	536.5	535.2	521.5	524.3
47.5°	480.6	458.7	449.2	431.4	427.3	416.4	409.6	397.2	386.4	386.4	379.5
50°	400.0	378.2	359.1	338.5	331.8	322.2	307.1	290.7	282.6	274.5	267.6
52.5°	335.8	312.6	289.4	267.6	258.1	245.7	225.3	208.9	193.9	185.6	177.5
55°	284.0	258.1	233.4	210.3	198.0	185.6	165.2	146.1	128.3	117.4	110.6
57.5°	244.3	219.8	193.9	169.3	158.3	144.7	122.9	102.4	86.0	73.7	66.9
60°	215.8	191.1	168.0	141.9	131.0	117.4	94.2	75.1	58.7	47.8	39.7
62.5°	191.1	169.3	144.7	121.5	110.6	96.9	75.1	55.9	40.9	30.0	23.2
65°	173.3	151.6	131.0	107.9	98.4	84.7	64.1	46.4	32.8	23.2	16.4
67.5°	152.9	133.8	113.3	94.2	84.7	73.7	54.6	39.7	27.3	19.0	13.6
70°	128.3	113.3	95.5	77.8	71.0	61.4	45.1	32.8	21.9	15.0	10.9
72.5°	102.4	90.1	76.5	62.8	57.3	47.8	36.8	25.9	16.4	10.9	8.2
75°	77.8	68.2	57.3	47.8	42.3	36.8	27.3	19.0	12.3	8.2	5.4
77.5°	53.3	49.2	40.9	32.8	30.0	25.9	17.8	12.3	8.2	5.4	2.7
80°	36.8	32.8	27.3	21.9	19.0	16.4	10.9	8.2	4.1	2.7	1.4
82.5°	23.2	19.0	16.4	13.6	12.3	9.5	6.9	4.1	2.7	1.4	1.4
85°	12.3	10.9	9.5	6.9	6.9	5.4	4.1	2.7	1.4	0.0	0.0
87.5°	6.9	5.4	4.1	2.7	2.7	1.4	1.4	1.4	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: P844247

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0
2.5°	1436.3	1436.3	1434.8	1451.2	1432.1	1451.2	1441.7	1451.2	1437.5	1436.3	1437.5
5°	1447.1	1451.2	1452.6	1467.6	1449.9	1473.1	1464.8	1473.1	1463.6	1466.2	1470.3
7.5°	1468.9	1475.8	1474.4	1493.5	1475.8	1501.7	1496.2	1508.6	1499.0	1501.7	1507.2
10°	1493.5	1501.7	1503.1	1522.3	1505.8	1537.2	1530.4	1544.0	1535.9	1540.0	1546.8
12.5°	1522.3	1531.8	1533.1	1554.9	1537.2	1570.0	1565.9	1579.6	1572.7	1576.8	1585.1
15°	1544.0	1557.7	1560.4	1582.2	1563.2	1597.2	1594.6	1612.4	1601.4	1608.2	1615.0
17.5°	1554.9	1567.3	1572.7	1593.2	1576.8	1611.0	1608.2	1623.3	1615.0	1621.9	1630.0
20°	1548.2	1563.2	1567.3	1587.7	1571.3	1605.5	1601.4	1616.4	1608.2	1613.6	1621.9
22.5°	1523.5	1538.5	1544.0	1563.2	1548.2	1579.6	1578.2	1591.8	1581.0	1587.7	1594.6
25°	1479.8	1496.2	1499.0	1516.8	1500.4	1533.1	1530.4	1545.4	1537.2	1541.3	1550.8
27.5°	1417.1	1436.3	1440.3	1455.3	1443.0	1470.3	1470.3	1482.6	1473.1	1473.1	1482.6
30°	1342.0	1361.1	1363.8	1376.1	1365.2	1389.8	1391.2	1403.5	1388.4	1396.6	1398.0
32.5°	1250.5	1262.8	1271.0	1282.0	1265.6	1297.0	1292.9	1302.4	1294.2	1294.2	1301.1
35°	1139.9	1154.9	1159.1	1172.7	1159.1	1183.6	1183.6	1189.1	1180.8	1180.8	1191.8
37.5°	1019.9	1030.8	1032.0	1045.8	1034.8	1055.3	1053.9	1058.1	1049.8	1055.3	1055.3
40°	879.2	887.4	890.1	897.0	895.6	910.6	909.2	912.0	907.9	909.2	912.0
42.5°	715.4	726.3	731.8	737.2	729.0	749.5	745.4	749.5	748.2	749.5	753.7
45°	527.0	535.2	539.3	540.7	537.9	550.2	559.7	551.6	552.9	550.2	555.7
47.5°	380.9	382.2	379.5	387.7	380.9	386.4	389.1	390.5	382.2	380.9	386.4
50°	260.8	267.6	258.1	262.1	260.8	266.2	263.5	264.8	256.7	260.8	258.1
52.5°	173.3	172.0	169.3	170.7	168.0	168.0	168.0	170.7	165.2	162.5	159.7
55°	105.1	102.4	96.9	95.5	95.5	96.9	94.2	91.5	91.5	90.1	90.1
57.5°	61.4	57.3	54.6	53.3	50.4	49.2	47.8	47.8	45.1	45.1	45.1
60°	34.2	30.0	27.3	24.5	24.5	23.2	21.9	20.5	20.5	20.5	19.0
62.5°	17.8	15.0	12.3	10.9	10.9	9.5	8.2	8.2	8.2	8.2	6.9
65°	12.3	9.5	8.2	6.9	6.9	5.4	5.4	5.4	5.4	5.4	5.4
67.5°	9.5	8.2	6.9	5.4	5.4	5.4	4.1	4.1	4.1	4.1	4.1
70°	8.2	5.4	5.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	5.4	5.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
80°	1.4	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: P844247

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0	1428.0
2.5°	1449.9	1448.5	1449.9	1452.6	1447.1	1463.6	1455.3	1463.6
5°	1481.3	1482.6	1484.0	1488.1	1481.3	1501.7	1490.8	1503.1
7.5°	1522.3	1523.5	1524.9	1529.0	1524.9	1545.4	1533.1	1544.0
10°	1564.6	1567.3	1567.3	1574.1	1570.0	1589.1	1581.0	1594.6
12.5°	1604.1	1606.9	1609.6	1613.6	1611.0	1631.4	1624.6	1635.5
15°	1635.5	1640.9	1642.3	1647.8	1645.0	1666.9	1658.7	1669.7
17.5°	1650.5	1656.0	1656.0	1662.8	1660.1	1683.3	1672.3	1684.7
20°	1642.3	1646.4	1647.8	1654.7	1651.9	1675.1	1664.2	1679.2
22.5°	1616.4	1617.8	1619.1	1626.0	1624.6	1645.0	1635.5	1645.0
25°	1568.6	1572.7	1571.3	1576.8	1576.8	1593.2	1582.2	1590.5
27.5°	1500.4	1504.5	1504.5	1511.3	1505.8	1522.3	1511.3	1523.5
30°	1417.1	1421.1	1418.5	1423.9	1418.5	1434.8	1426.6	1430.8
32.5°	1317.4	1317.4	1318.8	1320.1	1317.4	1332.4	1324.3	1332.4
35°	1198.6	1201.4	1202.7	1204.1	1201.4	1212.3	1202.7	1208.2
37.5°	1064.8	1071.7	1070.3	1071.7	1067.6	1081.2	1073.1	1075.8
40°	921.5	921.5	920.1	922.9	918.8	929.8	924.3	926.9
42.5°	754.9	759.1	753.7	760.4	749.5	764.5	759.1	754.9
45°	566.6	561.1	559.7	561.1	556.9	558.3	562.4	559.7
47.5°	386.4	386.4	383.6	379.5	385.0	386.4	380.9	380.9
50°	259.3	259.3	256.7	255.3	258.1	256.7	253.9	258.1
52.5°	165.2	159.7	159.7	162.5	159.7	157.1	161.1	158.3
55°	90.1	87.4	87.4	90.1	87.4	87.4	86.0	88.7
57.5°	43.7	45.1	43.7	43.7	43.7	43.7	42.3	43.7
60°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
62.5°	8.2	8.2	6.9	6.9	6.9	6.9	6.9	6.9
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
67.5°	4.1	4.1	4.1	4.1	4.1	5.4	4.1	4.1
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	4.1	4.1	5.4	5.4	5.4	5.4	5.4	5.4
75°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4
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)