

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: P844196

Luminaire Tested: **LD6C25DE010B2750 EU6C25B27 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844196
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 EU6C25B27 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

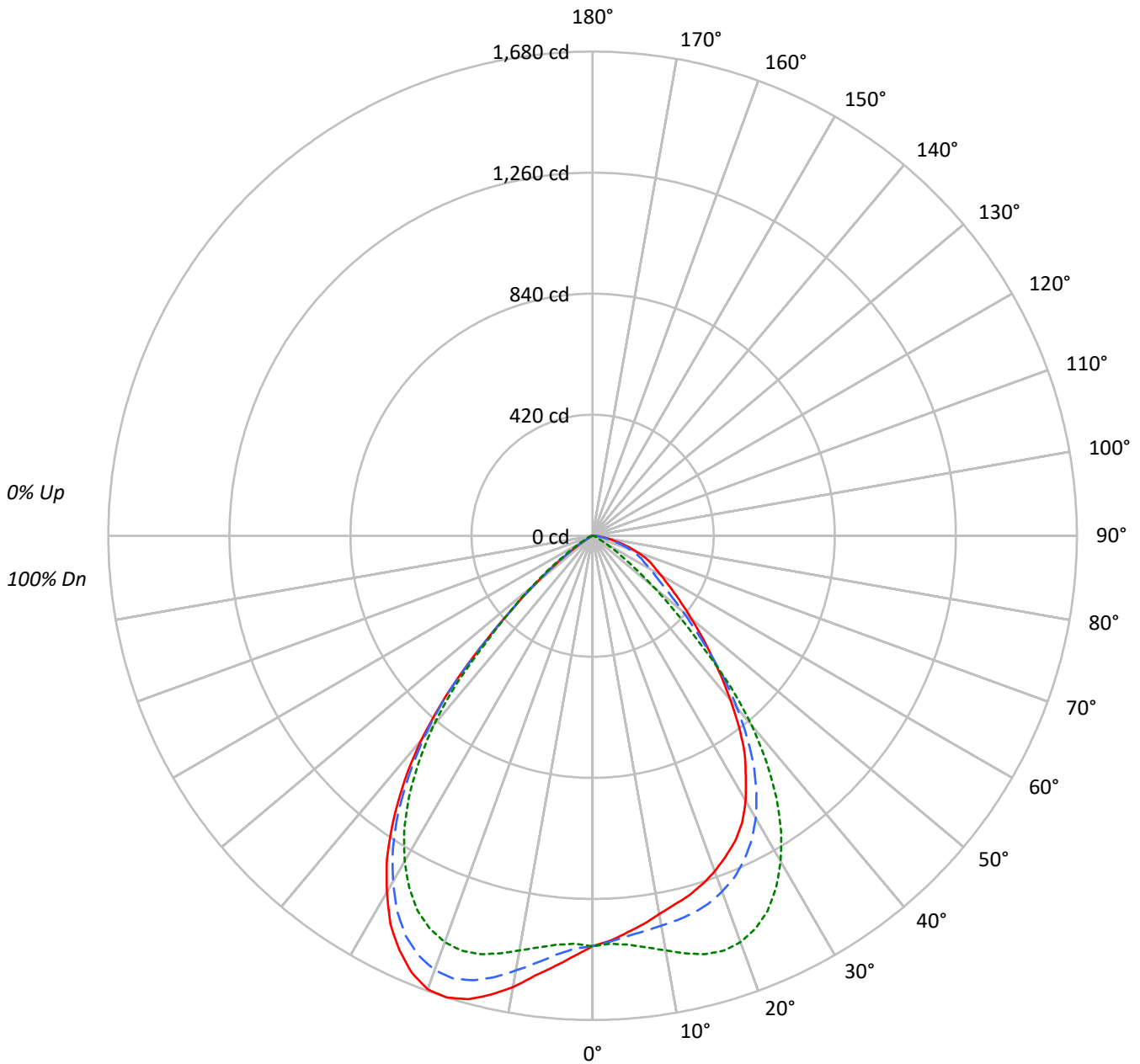
Lumens per Lamp: N/A
Luminaire Lumens: 2602.8 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	78064	78064	78064
5°	76040	78362	82478
10°	74186	81311	88509
15°	73321	85296	94490
20°	72270	87513	97682
25°	70734	86872	95927
30°	67219	82557	90305
35°	61496	74432	80629
40°	53193	61472	66153
45°	44857	40314	43268
50°	38080	23334	21944
55°	33041	11192	8449
60°	29844	5219	2083
65°	28965	3009	700
70°	25966	2404	657
75°	21350	1716	297
80°	15880	852	0
85°	13712	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	5.3
10°-20°	419.2	16.1
20°-30°	640.5	24.6
30°-40°	669.9	25.7
40°-50°	434.5	16.7
50°-60°	172.5	6.6
60°-70°	81.8	3.1
70°-80°	38.9	1.5
80°-90°	7.9	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°	1197.2	46.0
0°-40°	1867.0	71.7
0°-60°	2474.1	95.1
0°-90°	2602.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2602.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1424	1424	1424	1424	1424	
5°	1382	1394	1424	1459	1499	130
15°	1292	1354	1503	1597	1665	364
25°	1169	1243	1436	1533	1586	535
35°	919	975	1112	1178	1205	568
45°	579	573	520	551	558	450
55°	346	294	117	91	88	313
65°	223	185	23	5	5	218
75°	101	82	8	3	1	109
85°	22	14	0	0	0	25
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°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1406.2	1409.0	1394.1	1389.9	1400.8	1404.9	1406.2	1402.2	1403.6	1409.0	1409.0
5°	1381.8	1384.4	1370.8	1366.8	1377.7	1380.4	1384.4	1383.2	1387.2	1395.3	1394.1
7.5°	1358.6	1362.8	1347.7	1342.3	1355.9	1362.8	1365.4	1365.4	1370.8	1381.8	1383.2
10°	1332.7	1338.2	1324.6	1321.8	1336.8	1343.6	1345.0	1347.7	1355.9	1370.8	1373.5
12.5°	1310.9	1316.4	1306.9	1302.8	1319.1	1326.0	1328.6	1334.1	1343.6	1362.8	1365.4
15°	1291.9	1296.0	1285.1	1282.4	1298.7	1306.9	1308.2	1316.4	1328.6	1350.4	1354.5
17.5°	1267.4	1270.1	1262.0	1259.2	1275.6	1283.8	1285.1	1294.6	1309.6	1331.3	1338.2
20°	1238.8	1241.6	1233.4	1230.7	1247.0	1256.5	1257.8	1266.1	1283.8	1306.9	1313.7
22.5°	1204.8	1210.3	1200.7	1198.0	1214.4	1222.5	1226.5	1233.4	1251.1	1274.2	1283.8
25°	1169.4	1169.4	1162.6	1161.2	1176.2	1185.7	1184.3	1193.9	1211.5	1234.8	1242.9
27.5°	1123.1	1121.7	1115.0	1113.6	1129.9	1138.1	1135.4	1144.9	1161.2	1184.3	1192.6
30°	1061.9	1064.6	1055.1	1052.2	1066.0	1079.5	1078.2	1087.7	1104.1	1125.9	1131.2
32.5°	988.4	991.0	989.7	985.6	997.9	1004.6	1008.8	1015.5	1029.2	1052.2	1057.7
35°	918.9	914.9	909.4	909.4	921.6	932.5	928.4	936.6	950.2	973.3	974.7
37.5°	833.1	831.7	829.1	826.3	840.0	842.6	844.0	849.5	861.8	880.8	878.0
40°	743.3	744.6	743.3	737.8	746.1	756.9	755.6	758.3	769.1	782.8	778.7
42.5°	658.9	658.9	658.9	653.4	662.9	668.4	671.2	669.8	672.4	684.7	679.3
45°	578.6	579.9	578.6	577.3	578.6	581.3	578.6	577.3	577.3	581.3	573.1
47.5°	509.1	509.1	505.0	501.0	505.0	506.4	502.4	498.3	496.9	495.5	482.0
50°	446.5	445.2	443.8	437.0	441.0	442.4	437.0	434.3	428.9	422.0	405.7
52.5°	392.1	390.7	389.3	382.5	385.3	386.6	381.2	375.7	368.9	363.5	343.1
55°	345.7	344.4	344.4	340.3	337.6	340.3	334.8	330.8	321.3	314.4	294.0
57.5°	306.3	306.3	303.5	299.5	300.9	300.9	295.4	290.0	281.8	273.6	257.3
60°	272.2	272.2	272.2	268.2	268.2	268.2	265.5	260.1	253.2	245.1	228.8
62.5°	245.1	245.1	243.7	239.7	240.9	240.9	238.2	232.8	226.0	220.5	204.2
65°	223.3	223.3	223.3	219.2	219.2	220.5	217.8	212.4	206.9	200.1	185.1
67.5°	196.0	194.7	194.7	192.0	193.3	194.7	192.0	187.8	181.1	176.9	163.4
70°	162.0	163.4	164.7	160.7	162.0	162.0	160.7	156.5	152.5	148.4	136.1
72.5°	132.1	132.1	130.7	129.3	129.3	130.7	128.0	123.8	121.2	118.5	108.8
75°	100.8	99.4	100.8	98.0	98.0	98.0	95.3	93.9	92.5	88.4	81.6
77.5°	73.5	72.1	72.1	69.4	70.9	70.9	69.4	66.7	64.0	62.6	57.1
80°	50.3	50.3	50.3	49.0	49.0	47.6	47.6	46.3	43.6	42.2	39.4
82.5°	34.1	34.1	34.1	32.7	32.7	32.7	31.3	29.9	28.6	27.2	24.5
85°	21.8	21.8	21.8	20.4	20.4	20.4	19.0	19.0	17.7	16.3	13.6
87.5°	12.3	12.3	12.3	10.9	10.9	10.9	10.9	10.9	9.5	8.1	6.8
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°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1418.5	1399.5	1411.7	1411.7	1407.6	1418.5	1425.4	1430.8	1429.4	1417.1	1415.7
5°	1407.6	1391.3	1404.9	1406.2	1402.2	1417.1	1426.6	1433.5	1434.9	1424.0	1425.4
7.5°	1399.5	1385.8	1403.6	1409.0	1407.6	1421.2	1432.1	1443.0	1448.4	1440.3	1441.7
10°	1395.3	1384.4	1403.6	1411.7	1413.1	1428.0	1444.4	1459.3	1466.2	1460.7	1464.8
12.5°	1389.9	1383.2	1404.9	1417.1	1422.6	1437.5	1457.9	1475.7	1486.6	1483.9	1492.0
15°	1384.4	1379.0	1404.9	1422.6	1429.4	1443.0	1466.2	1492.0	1504.3	1502.9	1513.8
17.5°	1370.8	1369.5	1396.7	1415.7	1425.4	1441.7	1463.4	1494.8	1507.0	1509.7	1523.3
20°	1349.1	1349.1	1379.0	1399.5	1410.4	1425.4	1452.6	1482.5	1497.5	1500.1	1515.2
22.5°	1319.1	1321.8	1350.4	1370.8	1387.2	1398.1	1426.6	1457.9	1471.6	1475.7	1492.0
25°	1279.6	1282.4	1309.6	1330.0	1347.7	1359.9	1387.2	1415.7	1432.1	1436.2	1448.4
27.5°	1227.9	1233.4	1259.2	1279.6	1294.6	1302.8	1331.3	1361.4	1373.5	1377.7	1389.9
30°	1168.1	1169.4	1195.2	1213.0	1227.9	1234.8	1259.2	1290.5	1300.0	1304.2	1321.8
32.5°	1094.5	1093.2	1117.7	1134.0	1146.3	1154.4	1180.2	1200.7	1210.3	1217.0	1226.5
35°	1006.0	1004.6	1022.3	1041.5	1051.0	1053.7	1079.5	1101.3	1106.8	1112.2	1124.5
37.5°	906.7	906.7	921.6	931.1	942.0	946.2	958.4	982.9	992.4	991.0	1000.5
40°	801.8	796.4	807.3	816.8	819.6	820.8	833.1	852.1	859.0	859.0	865.8
42.5°	691.6	683.3	684.7	690.2	692.9	683.3	691.6	703.7	699.7	705.1	706.6
45°	574.5	562.2	556.8	544.5	547.3	537.7	532.3	535.0	533.7	520.0	522.8
47.5°	479.2	457.4	447.9	430.2	426.1	415.2	408.5	396.1	385.3	385.3	378.4
50°	398.9	377.0	358.0	337.6	330.8	321.3	306.3	290.0	281.8	273.6	266.8
52.5°	334.8	311.8	288.6	266.8	257.3	245.1	224.6	208.2	193.3	185.1	176.9
55°	283.1	257.3	232.8	209.6	197.4	185.1	164.7	145.6	128.0	117.1	110.3
57.5°	243.7	219.2	193.3	168.8	157.9	144.3	122.6	102.1	85.8	73.5	66.7
60°	215.1	190.6	167.4	141.6	130.7	117.1	93.9	74.9	58.5	47.6	39.4
62.5°	190.6	168.8	144.3	121.2	110.3	96.7	74.9	55.8	40.8	29.9	23.2
65°	172.9	151.1	130.7	107.6	98.0	84.4	64.0	46.3	32.7	23.2	16.3
67.5°	152.5	133.4	113.0	93.9	84.4	73.5	54.5	39.4	27.2	19.0	13.6
70°	128.0	113.0	95.3	77.6	70.9	61.2	44.9	32.7	21.8	15.0	10.9
72.5°	102.1	89.9	76.3	62.6	57.1	47.6	36.7	25.9	16.3	10.9	8.1
75°	77.6	68.0	57.1	47.6	42.2	36.7	27.2	19.0	12.3	8.1	5.4
77.5°	53.1	49.0	40.8	32.7	29.9	25.9	17.7	12.3	8.1	5.4	2.7
80°	36.7	32.7	27.2	21.8	19.0	16.3	10.9	8.1	4.1	2.7	1.4
82.5°	23.2	19.0	16.3	13.6	12.3	9.5	6.8	4.1	2.7	1.4	1.4
85°	12.3	10.9	9.5	6.8	6.8	5.4	4.1	2.7	1.4	0.0	0.0
87.5°	6.8	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1432.1	1432.1	1430.8	1447.1	1428.0	1447.1	1437.5	1447.1	1433.5	1432.1	1433.5
5°	1443.0	1447.1	1448.4	1463.4	1445.8	1468.8	1460.7	1468.8	1459.3	1462.1	1466.2
7.5°	1464.8	1471.6	1470.2	1489.3	1471.6	1497.5	1492.0	1504.3	1494.8	1497.5	1502.9
10°	1489.3	1497.5	1498.8	1517.9	1501.5	1532.8	1526.1	1539.6	1531.6	1535.6	1542.5
12.5°	1517.9	1527.4	1528.8	1550.6	1532.8	1565.5	1561.5	1575.0	1568.3	1572.4	1580.5
15°	1539.6	1553.2	1556.0	1577.8	1558.7	1592.8	1590.0	1607.7	1596.8	1603.7	1610.5
17.5°	1550.6	1562.9	1568.3	1588.7	1572.4	1606.3	1603.7	1618.6	1610.5	1617.2	1625.5
20°	1543.7	1558.7	1562.9	1583.3	1566.9	1600.9	1596.8	1611.8	1603.7	1609.1	1617.2
22.5°	1519.2	1534.2	1539.6	1558.7	1543.7	1575.0	1573.8	1587.3	1576.4	1583.3	1590.0
25°	1475.7	1492.0	1494.8	1512.4	1496.1	1528.8	1526.1	1541.1	1532.8	1537.0	1546.5
27.5°	1413.1	1432.1	1436.2	1451.2	1438.9	1466.2	1466.2	1478.4	1468.8	1468.8	1478.4
30°	1338.2	1357.3	1359.9	1372.3	1361.4	1385.8	1387.2	1399.5	1384.4	1392.7	1394.1
32.5°	1247.0	1259.2	1267.4	1278.3	1262.0	1293.3	1289.1	1298.7	1290.5	1290.5	1297.4
35°	1136.7	1151.7	1155.8	1169.4	1155.8	1180.2	1180.2	1185.7	1177.6	1177.6	1188.5
37.5°	1016.9	1027.8	1029.2	1042.7	1031.8	1052.2	1051.0	1055.1	1046.8	1052.2	1052.2
40°	876.7	884.9	887.6	894.4	893.1	908.0	906.7	909.4	905.3	906.7	909.4
42.5°	713.4	724.2	729.7	735.1	727.0	747.4	743.3	747.4	746.1	747.4	751.4
45°	525.4	533.7	537.7	539.1	536.3	548.6	558.1	550.0	551.3	548.6	554.1
47.5°	379.8	381.2	378.4	386.6	379.8	385.3	388.0	389.3	381.2	379.8	385.3
50°	260.1	266.8	257.3	261.3	260.1	265.5	262.7	264.1	255.9	260.1	257.3
52.5°	172.9	171.5	168.8	170.2	167.4	167.4	167.4	170.2	164.7	162.0	159.3
55°	104.8	102.1	96.7	95.3	95.3	96.7	93.9	91.3	91.3	89.9	89.9
57.5°	61.2	57.1	54.5	53.1	50.3	49.0	47.6	47.6	44.9	44.9	44.9
60°	34.1	29.9	27.2	24.5	24.5	23.2	21.8	20.4	20.4	20.4	19.0
62.5°	17.7	15.0	12.3	10.9	10.9	9.5	8.1	8.1	8.1	8.1	6.8
65°	12.3	9.5	8.1	6.8	6.8	5.4	5.4	5.4	5.4	5.4	5.4
67.5°	9.5	8.1	6.8	5.4	5.4	5.4	4.1	4.1	4.1	4.1	4.1
70°	8.1	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: P844196

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B27 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1445.8	1444.4	1445.8	1448.4	1443.0	1459.3	1451.2	1459.3
5°	1477.1	1478.4	1479.7	1483.9	1477.1	1497.5	1486.6	1498.8
7.5°	1517.9	1519.2	1520.7	1524.7	1520.7	1541.1	1528.8	1539.6
10°	1560.1	1562.9	1562.9	1569.6	1565.5	1584.5	1576.4	1590.0
12.5°	1599.6	1602.3	1605.1	1609.1	1606.3	1626.7	1620.0	1630.9
15°	1630.9	1636.3	1637.6	1643.1	1640.4	1662.2	1654.0	1664.9
17.5°	1645.9	1651.3	1651.3	1658.1	1655.4	1678.5	1667.6	1679.9
20°	1637.6	1641.8	1643.1	1650.0	1647.2	1670.4	1659.4	1674.4
22.5°	1611.8	1613.2	1614.6	1621.4	1620.0	1640.4	1630.9	1640.4
25°	1564.1	1568.3	1566.9	1572.4	1572.4	1588.7	1577.8	1585.9
27.5°	1496.1	1500.1	1500.1	1507.0	1501.5	1517.9	1507.0	1519.2
30°	1413.1	1417.1	1414.5	1419.9	1414.5	1430.8	1422.6	1426.6
32.5°	1313.7	1313.7	1315.1	1316.4	1313.7	1328.6	1320.5	1328.6
35°	1195.2	1198.0	1199.4	1200.7	1198.0	1208.9	1199.4	1204.8
37.5°	1061.9	1068.6	1067.3	1068.6	1064.6	1078.2	1070.0	1072.8
40°	918.9	918.9	917.5	920.2	916.2	927.1	921.6	924.4
42.5°	752.8	756.9	751.4	758.3	747.4	762.3	756.9	752.8
45°	565.0	559.5	558.1	559.5	555.4	556.8	560.9	558.1
47.5°	385.3	385.3	382.5	378.4	383.9	385.3	379.8	379.8
50°	258.7	258.7	255.9	254.6	257.3	255.9	253.2	257.3
52.5°	164.7	159.3	159.3	162.0	159.3	156.5	160.7	157.9
55°	89.9	87.1	87.1	89.9	87.1	87.1	85.8	88.4
57.5°	43.6	44.9	43.6	43.6	43.6	43.6	42.2	43.6
60°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
62.5°	8.1	8.1	6.8	6.8	6.8	6.8	6.8	6.8
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)