

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: P844213

Luminaire Tested: **LD6C25DE010B2750 EU6C25B30 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844213
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 EU6C25B30 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

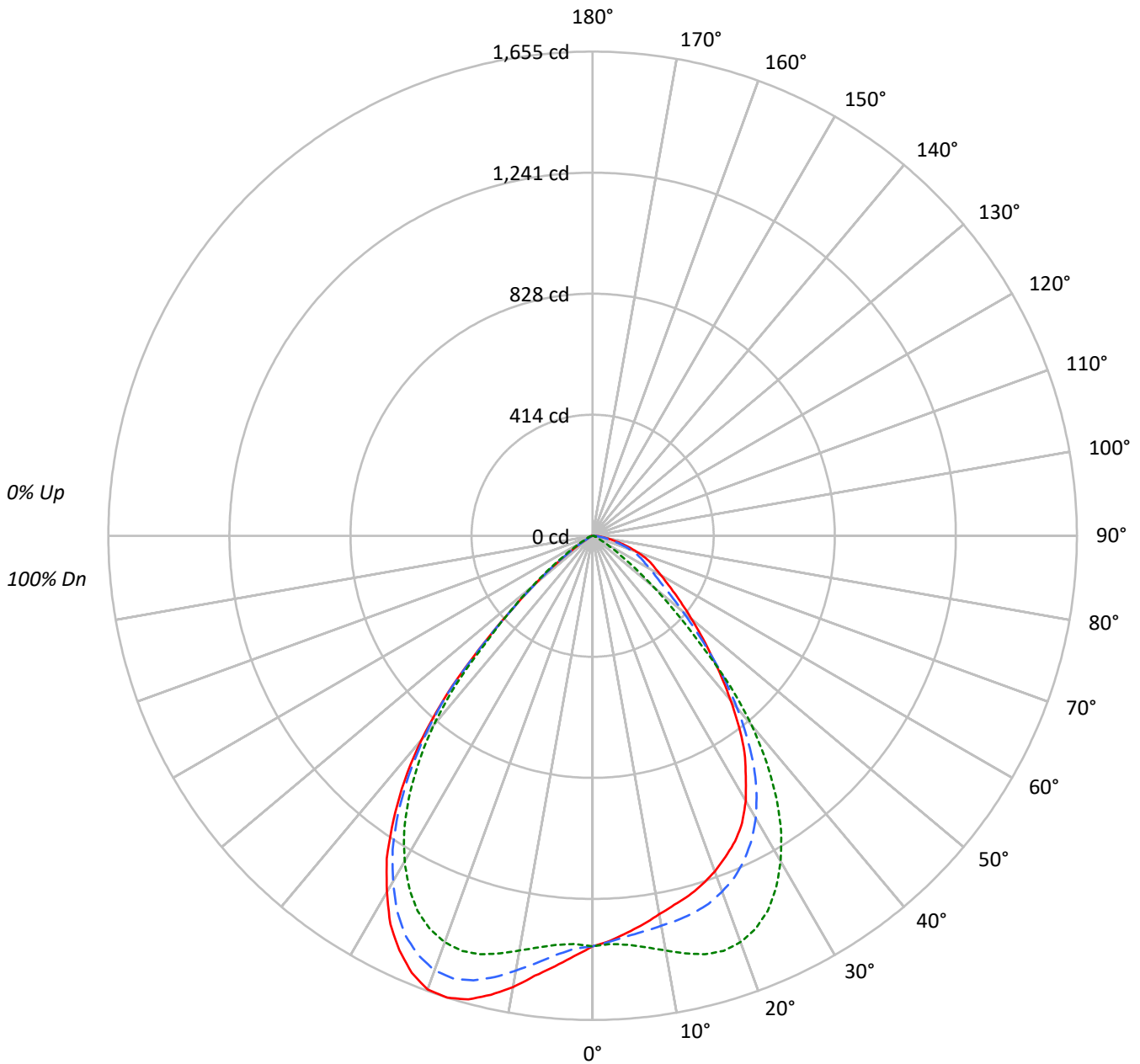
Lumens per Lamp: N/A
Luminaire Lumens: 2564.8 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	76924	76924	76924
5°	74923	77217	81273
10°	73106	80120	87217
15°	72248	84047	93111
20°	71214	86242	96253
25°	69700	85602	94530
30°	66232	81348	88988
35°	60592	73341	79444
40°	52412	60571	65179
45°	44206	39725	42640
50°	37525	22993	21620
55°	32572	11029	8325
60°	29417	5153	2050
65°	28537	2945	700
70°	25581	2372	641
75°	21033	1694	297
80°	15659	821	0
85°	13523	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	5.3
10°-20°	413.0	16.1
20°-30°	631.1	24.6
30°-40°	660.1	25.7
40°-50°	428.2	16.7
50°-60°	170.0	6.6
60°-70°	80.6	3.1
70°-80°	38.4	1.5
80°-90°	7.8	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°	1179.7	46.0
0°-40°	1839.7	71.7
0°-60°	2437.9	95.1
0°-90°	2564.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2564.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1403	1403	1403	1403	1403	
5°	1362	1374	1403	1438	1477	129
15°	1273	1335	1481	1573	1641	359
25°	1152	1225	1415	1510	1563	528
35°	905	960	1096	1160	1187	560
45°	570	565	512	543	550	444
55°	341	290	115	90	87	309
65°	220	182	23	5	5	215
75°	99	80	8	3	1	107
85°	22	13	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°	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2
2.5°	1385.7	1388.4	1373.7	1369.6	1380.3	1384.3	1385.7	1381.7	1383.0	1388.4	1388.4
5°	1361.5	1364.2	1350.8	1346.8	1357.5	1360.2	1364.2	1362.9	1366.9	1374.9	1373.7
7.5°	1338.8	1342.8	1328.0	1322.7	1336.1	1342.8	1345.4	1345.4	1350.8	1361.5	1362.9
10°	1313.3	1318.7	1305.2	1302.5	1317.3	1323.9	1325.3	1328.0	1336.1	1350.8	1353.5
12.5°	1291.8	1297.2	1287.8	1283.8	1299.8	1306.5	1309.2	1314.6	1323.9	1342.8	1345.4
15°	1273.0	1277.0	1266.3	1263.7	1279.7	1287.8	1289.0	1297.2	1309.2	1330.7	1334.7
17.5°	1248.9	1251.5	1243.5	1240.8	1256.9	1264.9	1266.3	1275.7	1290.4	1311.9	1318.7
20°	1220.7	1223.4	1215.3	1212.7	1228.8	1238.1	1239.4	1247.6	1264.9	1287.8	1294.4
22.5°	1187.1	1192.6	1183.2	1180.4	1196.6	1204.5	1208.7	1215.3	1232.8	1255.5	1264.9
25°	1152.3	1152.3	1145.6	1144.3	1159.0	1168.4	1167.0	1176.4	1193.9	1216.7	1224.7
27.5°	1106.7	1105.3	1098.6	1097.3	1113.4	1121.4	1118.8	1128.2	1144.3	1167.0	1175.1
30°	1046.3	1049.0	1039.7	1036.9	1050.3	1063.8	1062.4	1071.8	1087.9	1109.4	1114.7
32.5°	973.9	976.5	975.2	971.2	983.3	989.9	994.0	1000.7	1014.1	1036.9	1042.3
35°	905.4	901.4	896.0	896.0	908.1	918.9	914.9	922.9	936.3	959.1	960.4
37.5°	820.9	819.6	816.9	814.3	827.7	830.3	831.7	837.0	849.2	867.9	865.3
40°	732.4	733.7	732.4	727.0	735.1	745.8	744.5	747.2	757.9	771.3	767.3
42.5°	649.3	649.3	649.3	643.9	653.3	658.7	661.3	660.0	662.6	674.8	669.4
45°	570.2	571.4	570.2	568.8	570.2	572.8	570.2	568.8	568.8	572.8	564.8
47.5°	501.7	501.7	497.7	493.6	497.7	499.0	495.0	491.0	489.6	488.3	474.9
50°	440.0	438.6	437.3	430.7	434.6	436.0	430.7	427.9	422.5	415.9	399.8
52.5°	386.4	385.0	383.6	376.9	379.7	381.0	375.6	370.2	363.5	358.2	338.0
55°	340.8	339.4	339.4	335.4	332.6	335.4	330.0	326.0	316.5	309.9	289.8
57.5°	301.8	301.8	299.1	295.1	296.5	296.5	291.1	285.7	277.6	269.6	253.5
60°	268.3	268.3	268.3	264.2	264.2	264.2	261.6	256.3	249.5	241.5	225.4
62.5°	241.5	241.5	240.1	236.1	237.4	237.4	234.8	229.4	222.7	217.3	201.3
65°	220.0	220.0	220.0	216.0	216.0	217.3	214.6	209.3	203.9	197.1	182.4
67.5°	193.1	191.9	191.9	189.1	190.5	191.9	189.1	185.1	178.4	174.4	161.0
70°	159.6	161.0	162.3	158.3	159.6	159.6	158.3	154.3	150.3	146.2	134.2
72.5°	130.1	130.1	128.8	127.4	127.4	128.8	126.1	122.1	119.4	116.8	107.2
75°	99.3	97.9	99.3	96.6	96.6	96.6	93.9	92.5	91.2	87.1	80.5
77.5°	72.4	71.1	71.1	68.4	69.8	69.8	68.4	65.8	63.0	61.7	56.3
80°	49.6	49.6	49.6	48.3	48.3	47.0	47.0	45.6	42.9	41.6	38.9
82.5°	33.5	33.5	33.5	32.3	32.3	32.3	30.9	29.5	28.1	26.9	24.1
85°	21.5	21.5	21.5	20.1	20.1	20.1	18.7	18.7	17.5	16.1	13.4
87.5°	12.1	12.1	12.1	10.8	10.8	10.8	10.8	10.8	9.4	8.0	6.7
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°	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2
2.5°	1397.8	1378.9	1391.0	1391.0	1387.1	1397.8	1404.5	1409.8	1408.5	1396.4	1395.0
5°	1387.1	1370.9	1384.3	1385.7	1381.7	1396.4	1405.8	1412.5	1413.8	1403.2	1404.5
7.5°	1378.9	1365.6	1383.0	1388.4	1387.1	1400.4	1411.2	1421.9	1427.3	1419.2	1420.6
10°	1374.9	1364.2	1383.0	1391.0	1392.4	1407.2	1423.3	1438.1	1444.7	1439.3	1443.4
12.5°	1369.6	1362.9	1384.3	1396.4	1401.8	1416.6	1436.7	1454.1	1464.8	1462.2	1470.2
15°	1364.2	1358.8	1384.3	1401.8	1408.5	1421.9	1444.7	1470.2	1482.3	1480.9	1491.7
17.5°	1350.8	1349.4	1376.3	1395.0	1404.5	1420.6	1442.0	1472.9	1484.9	1487.7	1501.0
20°	1329.3	1329.3	1358.8	1378.9	1389.7	1404.5	1431.3	1460.8	1475.6	1478.3	1493.1
22.5°	1299.8	1302.5	1330.7	1350.8	1366.9	1377.6	1405.8	1436.7	1450.1	1454.1	1470.2
25°	1260.9	1263.7	1290.4	1310.5	1328.0	1340.0	1366.9	1395.0	1411.2	1415.2	1427.3
27.5°	1209.9	1215.3	1240.8	1260.9	1275.7	1283.8	1311.9	1341.4	1353.5	1357.5	1369.6
30°	1150.9	1152.3	1177.8	1195.2	1209.9	1216.7	1240.8	1271.7	1281.1	1285.1	1302.5
32.5°	1078.5	1077.2	1101.3	1117.4	1129.4	1137.5	1163.0	1183.2	1192.6	1199.3	1208.7
35°	991.3	989.9	1007.4	1026.2	1035.6	1038.3	1063.8	1085.2	1090.6	1095.9	1108.1
37.5°	893.4	893.4	908.1	917.6	928.3	932.3	944.4	968.6	977.9	976.5	985.9
40°	790.1	784.8	795.4	804.9	807.5	808.9	820.9	839.8	846.4	846.4	853.1
42.5°	681.4	673.4	674.8	680.1	682.8	673.4	681.4	693.5	689.5	694.9	696.2
45°	566.0	554.0	548.7	536.5	539.3	529.9	524.5	527.1	525.9	512.4	515.1
47.5°	472.1	450.8	441.4	423.9	419.9	409.1	402.4	390.4	379.7	379.7	372.9
50°	393.0	371.5	352.8	332.6	326.0	316.5	301.8	285.7	277.6	269.6	262.9
52.5°	330.0	307.2	284.4	262.9	253.5	241.5	221.4	205.3	190.5	182.4	174.4
55°	279.0	253.5	229.4	206.6	194.5	182.4	162.3	143.5	126.1	115.4	108.6
57.5°	240.1	216.0	190.5	166.4	155.6	142.1	120.8	100.6	84.5	72.4	65.8
60°	211.9	187.8	165.0	139.5	128.8	115.4	92.5	73.7	57.6	47.0	38.9
62.5°	187.8	166.4	142.1	119.4	108.6	95.2	73.7	55.0	40.2	29.5	22.7
65°	170.4	148.9	128.8	106.0	96.6	83.2	63.0	45.6	32.3	22.7	16.1
67.5°	150.3	131.5	111.4	92.5	83.2	72.4	53.6	38.9	26.9	18.7	13.4
70°	126.1	111.4	93.9	76.5	69.8	60.4	44.3	32.3	21.5	14.8	10.8
72.5°	100.6	88.5	75.1	61.7	56.3	47.0	36.2	25.5	16.1	10.8	8.0
75°	76.5	67.1	56.3	47.0	41.6	36.2	26.9	18.7	12.1	8.0	5.4
77.5°	52.4	48.3	40.2	32.3	29.5	25.5	17.5	12.1	8.0	5.4	2.6
80°	36.2	32.3	26.9	21.5	18.7	16.1	10.8	8.0	4.0	2.6	1.4
82.5°	22.7	18.7	16.1	13.4	12.1	9.4	6.7	4.0	2.6	1.4	1.4
85°	12.1	10.8	9.4	6.7	6.7	5.4	4.0	2.6	1.4	0.0	0.0
87.5°	6.7	5.4	4.0	2.6	2.6	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°	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2
2.5°	1411.2	1411.2	1409.8	1425.9	1407.2	1425.9	1416.6	1425.9	1412.5	1411.2	1412.5
5°	1421.9	1425.9	1427.3	1442.0	1424.6	1447.4	1439.3	1447.4	1438.1	1440.7	1444.7
7.5°	1443.4	1450.1	1448.7	1467.5	1450.1	1475.6	1470.2	1482.3	1472.9	1475.6	1480.9
10°	1467.5	1475.6	1476.9	1495.7	1479.5	1510.4	1503.7	1517.2	1509.1	1513.2	1519.8
12.5°	1495.7	1505.1	1506.4	1527.9	1510.4	1542.7	1538.6	1552.0	1545.3	1549.3	1557.4
15°	1517.2	1530.5	1533.3	1554.7	1535.9	1569.4	1566.8	1584.2	1573.4	1580.2	1586.9
17.5°	1527.9	1539.9	1545.3	1565.4	1549.3	1582.9	1580.2	1595.0	1586.9	1593.6	1601.7
20°	1521.2	1535.9	1539.9	1560.1	1544.0	1577.6	1573.4	1588.2	1580.2	1585.5	1593.6
22.5°	1497.0	1511.8	1517.2	1535.9	1521.2	1552.0	1550.7	1564.1	1553.3	1560.1	1566.8
25°	1454.1	1470.2	1472.9	1490.3	1474.2	1506.4	1503.7	1518.4	1510.4	1514.4	1523.8
27.5°	1392.4	1411.2	1415.2	1429.9	1417.9	1444.7	1444.7	1456.8	1447.4	1447.4	1456.8
30°	1318.7	1337.4	1340.0	1352.2	1341.4	1365.6	1366.9	1378.9	1364.2	1372.3	1373.7
32.5°	1228.8	1240.8	1248.9	1259.6	1243.5	1274.3	1270.3	1279.7	1271.7	1271.7	1278.4
35°	1120.0	1134.8	1138.9	1152.3	1138.9	1163.0	1163.0	1168.4	1160.3	1160.3	1171.0
37.5°	1002.1	1012.8	1014.1	1027.5	1016.8	1036.9	1035.6	1039.7	1031.5	1036.9	1036.9
40°	863.9	871.9	874.6	881.3	880.0	894.8	893.4	896.0	892.0	893.4	896.0
42.5°	702.9	713.6	719.0	724.4	716.3	736.4	732.4	736.4	735.1	736.4	740.4
45°	517.8	525.9	529.9	531.2	528.5	540.6	550.0	541.9	543.2	540.6	546.0
47.5°	374.3	375.6	372.9	381.0	374.3	379.7	382.3	383.6	375.6	374.3	379.7
50°	256.3	262.9	253.5	257.5	256.3	261.6	258.9	260.3	252.1	256.3	253.5
52.5°	170.4	169.0	166.4	167.7	165.0	165.0	165.0	167.7	162.3	159.6	157.0
55°	103.3	100.6	95.2	93.9	93.9	95.2	92.5	89.9	89.9	88.5	88.5
57.5°	60.4	56.3	53.6	52.4	49.6	48.3	47.0	47.0	44.3	44.3	44.3
60°	33.5	29.5	26.9	24.1	24.1	22.7	21.5	20.1	20.1	20.1	18.7
62.5°	17.5	14.8	12.1	10.8	10.8	9.4	8.0	8.0	8.0	8.0	6.7
65°	12.1	9.4	8.0	6.7	6.7	5.4	5.4	5.4	5.4	5.4	5.4
67.5°	9.4	8.0	6.7	5.4	5.4	5.4	4.0	4.0	4.0	4.0	4.0
70°	8.0	5.4	5.4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
72.5°	5.4	5.4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
75°	4.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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: P844213

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B30 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2	1403.2
2.5°	1424.6	1423.3	1424.6	1427.3	1421.9	1438.1	1429.9	1438.1
5°	1455.5	1456.8	1458.2	1462.2	1455.5	1475.6	1464.8	1476.9
7.5°	1495.7	1497.0	1498.3	1502.4	1498.3	1518.4	1506.4	1517.2
10°	1537.3	1539.9	1539.9	1546.7	1542.7	1561.4	1553.3	1566.8
12.5°	1576.2	1578.8	1581.6	1585.5	1582.9	1602.9	1596.3	1607.0
15°	1607.0	1612.4	1613.7	1619.0	1616.4	1637.9	1629.8	1640.6
17.5°	1621.8	1627.2	1627.2	1633.8	1631.2	1653.9	1643.2	1655.3
20°	1613.7	1617.8	1619.0	1625.8	1623.2	1646.0	1635.2	1649.9
22.5°	1588.2	1589.6	1590.9	1597.7	1596.3	1616.4	1607.0	1616.4
25°	1541.3	1545.3	1544.0	1549.3	1549.3	1565.4	1554.7	1562.8
27.5°	1474.2	1478.3	1478.3	1484.9	1479.5	1495.7	1484.9	1497.0
30°	1392.4	1396.4	1393.7	1399.1	1393.7	1409.8	1401.8	1405.8
32.5°	1294.4	1294.4	1295.8	1297.2	1294.4	1309.2	1301.2	1309.2
35°	1177.8	1180.4	1181.8	1183.2	1180.4	1191.2	1181.8	1187.1
37.5°	1046.3	1053.0	1051.7	1053.0	1049.0	1062.4	1054.4	1057.1
40°	905.4	905.4	904.1	906.8	902.8	913.5	908.1	910.8
42.5°	741.8	745.8	740.4	747.2	736.4	751.1	745.8	741.8
45°	556.7	551.3	550.0	551.3	547.3	548.7	552.7	550.0
47.5°	379.7	379.7	376.9	372.9	378.3	379.7	374.3	374.3
50°	254.9	254.9	252.1	250.9	253.5	252.1	249.5	253.5
52.5°	162.3	157.0	157.0	159.6	157.0	154.3	158.3	155.6
55°	88.5	85.9	85.9	88.5	85.9	85.9	84.5	87.1
57.5°	42.9	44.3	42.9	42.9	42.9	42.9	41.6	42.9
60°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
62.5°	8.0	8.0	6.7	6.7	6.7	6.7	6.7	6.7
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
67.5°	4.0	4.0	4.0	4.0	4.0	5.4	4.0	4.0
70°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
72.5°	4.0	4.0	5.4	5.4	5.4	5.4	5.4	5.4
75°	2.6	2.6	2.6	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)