

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: P844372

Luminaire Tested: **LD6C35DE010B2750 EU6C35B30 6LBDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B2750 EU6C35B30 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

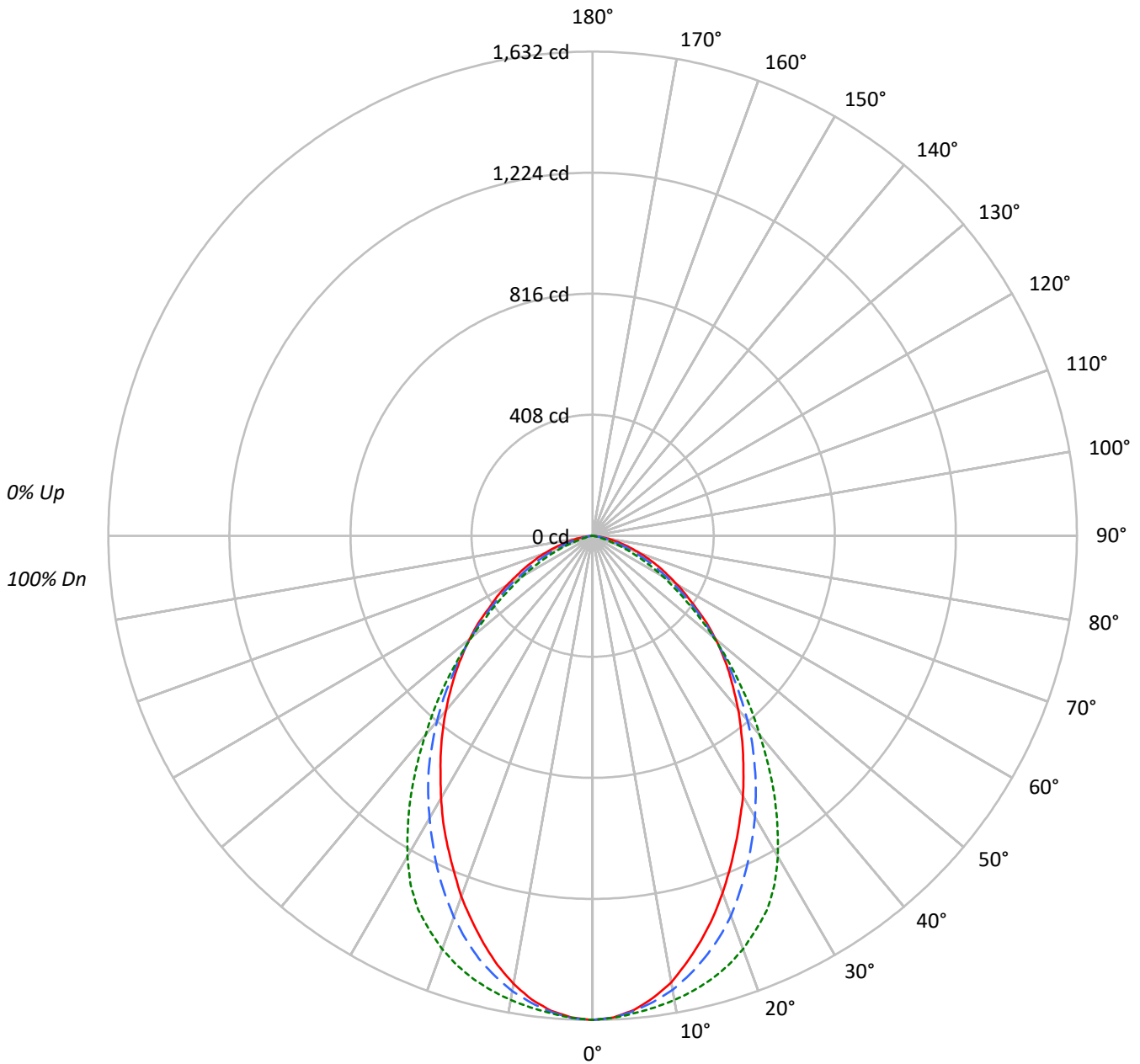
Lumens per Lamp: N/A
Luminaire Lumens: 2921.2 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77								
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	89461	89461	89461
5°	88273	88906	88427
10°	85052	88447	85386
15°	80159	87827	80682
20°	74702	86463	75496
25°	69083	84144	69905
30°	64155	78987	64605
35°	59040	71440	59695
40°	54552	62660	55060
45°	50393	54161	50563
50°	46105	45397	46054
55°	40725	37074	40878
60°	35962	29756	36499
65°	31664	22129	31884
70°	26639	13881	27344
75°	21117	5888	21710
80°	14080	1357	15122
85°	5850	314	6856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.0	5.2
10°-20°	414.9	14.2
20°-30°	572.8	19.6
30°-40°	602.6	20.6
40°-50°	518.9	17.8
50°-60°	369.4	12.6
60°-70°	208.3	7.1
70°-80°	73.8	2.5
80°-90°	8.3	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°	1139.8	39.0
0°-40°	1742.4	59.6
0°-60°	2630.8	90.1
0°-90°	2921.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2921.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1632	1632	1632	1632	1632	
5°	1604	1608	1616	1611	1607	151
15°	1412	1470	1548	1477	1422	396
25°	1142	1230	1391	1237	1156	526
35°	882	953	1068	963	892	552
45°	650	668	699	670	652	501
55°	426	412	388	412	428	384
65°	244	209	171	211	246	242
75°	100	67	28	68	102	108
85°	9	4	0	4	11	15
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°	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9
2.5°	1624.8	1625.4	1625.4	1625.9	1625.4	1625.4	1625.9	1625.9	1625.4	1625.9	1625.9
5°	1604.1	1603.6	1604.1	1604.7	1606.3	1606.3	1605.8	1605.8	1607.4	1606.9	1607.9
7.5°	1570.4	1570.4	1572.0	1573.1	1573.1	1573.7	1574.7	1576.9	1579.0	1579.7	1583.5
10°	1527.9	1528.4	1527.9	1530.1	1531.7	1534.4	1533.9	1537.7	1541.5	1546.9	1554.0
12.5°	1471.7	1473.4	1476.7	1476.7	1481.5	1484.3	1483.8	1492.4	1499.5	1506.1	1514.7
15°	1412.4	1411.8	1414.6	1418.9	1423.8	1427.6	1429.3	1440.7	1447.8	1458.7	1469.6
17.5°	1348.6	1347.0	1351.3	1354.1	1362.2	1367.1	1370.4	1380.2	1391.6	1404.7	1419.5
20°	1280.5	1283.2	1284.3	1288.1	1299.0	1302.8	1308.3	1319.2	1330.6	1345.8	1362.8
22.5°	1210.8	1214.6	1216.7	1221.7	1230.3	1233.6	1239.1	1254.9	1267.4	1281.0	1296.9
25°	1142.1	1146.5	1150.3	1156.2	1162.2	1167.2	1174.2	1185.2	1199.3	1211.8	1229.8
27.5°	1075.1	1078.9	1079.9	1087.0	1094.1	1100.7	1104.5	1117.6	1129.6	1144.8	1162.2
30°	1013.5	1011.3	1014.1	1020.0	1028.2	1032.6	1039.1	1047.8	1060.9	1075.6	1093.6
32.5°	945.9	945.9	950.3	957.4	963.9	967.2	969.3	981.4	994.4	1008.6	1023.3
35°	882.2	884.4	888.2	892.5	899.6	902.4	907.2	915.9	926.3	942.1	953.0
37.5°	820.6	822.2	826.0	830.5	835.8	841.3	843.5	852.8	860.4	873.5	883.8
40°	762.3	762.9	767.2	768.8	773.8	775.9	780.3	785.2	796.1	801.6	811.3
42.5°	703.4	706.2	707.8	711.6	712.2	716.5	718.7	720.4	729.0	732.3	737.8
45°	650.0	650.0	651.7	651.7	654.5	652.8	656.1	659.3	659.9	665.4	668.5
47.5°	594.5	592.8	595.0	594.5	594.0	594.0	595.0	595.6	597.2	601.1	602.6
50°	540.6	536.7	536.7	536.2	535.6	537.3	537.3	536.7	536.7	538.3	536.7
52.5°	485.5	484.4	481.6	479.5	478.4	478.4	478.4	476.3	476.3	475.2	471.3
55°	426.1	427.7	426.6	425.6	425.1	423.4	423.4	420.6	416.3	414.1	411.9
57.5°	374.9	377.0	377.0	374.9	372.2	371.0	368.4	366.7	362.9	359.1	354.7
60°	328.0	330.7	326.9	325.3	324.8	323.1	322.0	316.0	312.2	308.4	303.5
62.5°	283.3	284.4	281.8	280.1	278.5	276.8	276.3	271.4	264.8	259.9	253.9
65°	244.1	242.5	241.4	238.7	236.0	233.7	233.7	227.2	221.3	215.2	209.2
67.5°	203.3	204.3	202.7	200.5	196.2	194.0	190.7	186.4	180.9	174.9	167.8
70°	166.2	165.6	164.0	161.8	159.1	155.3	152.6	150.4	142.8	135.7	129.7
72.5°	132.4	131.9	130.2	127.6	123.6	122.1	119.8	114.4	108.4	102.5	95.9
75°	99.7	100.3	97.5	96.5	92.1	90.4	89.9	83.3	78.5	73.0	67.1
77.5°	71.4	71.4	68.6	66.5	64.3	63.2	61.0	57.2	53.4	47.9	43.0
80°	44.6	44.6	44.6	42.5	40.3	39.2	37.5	34.9	31.1	27.8	24.5
82.5°	24.0	24.0	22.8	22.3	21.3	20.2	19.6	18.5	15.8	14.2	12.0
85°	9.3	9.3	8.7	8.7	7.6	7.6	7.1	6.6	5.5	4.9	4.3
87.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	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°	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9
2.5°	1626.5	1626.5	1625.9	1626.5	1626.5	1626.5	1626.5	1626.5	1626.5	1626.5	1627.1
5°	1609.1	1610.7	1611.2	1611.8	1612.9	1613.4	1613.9	1614.5	1615.0	1615.6	1615.6
7.5°	1586.8	1590.6	1593.2	1596.0	1597.0	1598.2	1599.8	1602.0	1603.6	1603.6	1603.1
10°	1560.0	1564.9	1570.4	1575.2	1576.9	1579.7	1582.3	1585.6	1588.4	1588.9	1588.9
12.5°	1525.1	1530.6	1540.4	1548.6	1551.9	1555.7	1561.1	1566.0	1568.8	1570.4	1569.8
15°	1481.5	1493.0	1506.6	1515.9	1520.2	1526.8	1535.5	1541.0	1545.3	1547.5	1546.4
17.5°	1434.2	1448.9	1463.6	1476.1	1482.1	1488.6	1500.7	1510.4	1517.0	1518.7	1517.5
20°	1380.2	1396.5	1412.4	1428.1	1436.4	1444.0	1456.5	1469.1	1479.9	1482.1	1480.5
22.5°	1315.9	1334.4	1353.5	1371.4	1380.7	1387.8	1405.8	1420.0	1432.6	1438.0	1434.2
25°	1249.4	1269.1	1289.3	1305.0	1315.4	1327.3	1343.7	1360.0	1375.3	1391.1	1376.9
27.5°	1178.6	1196.6	1217.9	1239.7	1249.4	1258.2	1275.1	1295.7	1311.6	1327.3	1311.6
30°	1107.8	1130.6	1149.8	1168.8	1179.7	1190.0	1207.0	1223.8	1239.1	1247.8	1238.0
32.5°	1041.2	1058.2	1077.2	1095.8	1103.4	1111.6	1125.7	1141.5	1156.2	1159.0	1152.4
35°	971.5	986.2	1002.0	1014.1	1023.3	1032.0	1044.5	1054.4	1058.2	1067.5	1060.9
37.5°	892.5	905.7	919.8	928.5	936.6	943.7	953.0	961.7	965.0	972.1	967.2
40°	817.9	828.8	836.9	846.2	850.5	857.6	861.4	868.5	872.3	875.6	876.1
42.5°	745.9	752.0	757.9	764.5	766.1	767.7	777.0	781.9	785.7	787.9	784.7
45°	672.4	678.4	680.6	685.5	688.2	689.3	693.1	693.6	694.8	698.6	696.9
47.5°	605.4	605.9	607.5	609.7	610.8	610.8	613.0	610.8	611.9	612.5	613.5
50°	535.1	538.9	535.1	537.3	537.8	537.3	535.6	534.5	532.9	532.3	531.8
52.5°	468.6	469.2	466.9	465.4	463.7	464.2	459.9	457.7	458.3	455.0	458.8
55°	408.1	405.9	401.1	399.4	395.6	395.0	394.5	391.7	387.4	387.9	389.1
57.5°	349.9	346.0	341.1	338.3	337.3	332.9	332.4	328.0	325.3	324.8	324.8
60°	297.0	293.7	288.8	283.9	280.1	277.9	275.2	270.9	271.9	271.4	268.6
62.5°	246.9	243.0	236.0	230.5	228.3	226.7	222.8	219.6	218.0	219.6	218.0
65°	202.1	196.2	187.9	182.5	182.0	179.8	175.5	173.2	171.7	170.6	172.2
67.5°	160.8	152.6	147.6	140.6	137.3	136.2	130.2	126.9	127.6	126.9	127.6
70°	122.6	114.4	107.9	102.5	98.0	96.5	93.2	88.8	88.3	86.6	88.8
72.5°	88.8	81.8	75.7	69.7	65.9	63.8	59.4	55.0	53.9	52.9	52.9
75°	61.0	55.0	48.5	43.0	40.3	38.2	33.7	30.6	27.8	27.8	27.8
77.5°	38.2	33.2	28.3	24.5	22.8	20.7	16.9	13.6	12.5	10.9	11.4
80°	21.8	18.0	15.2	12.5	10.9	9.8	7.6	6.0	4.3	4.3	4.3
82.5°	10.4	8.7	6.6	5.5	4.9	3.8	2.7	2.2	1.6	1.1	1.1
85°	3.3	2.7	2.2	1.6	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°	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9
2.5°	1626.5	1627.1	1626.5	1627.1	1626.5	1627.6	1627.6	1627.1	1627.1	1627.1	1626.5
5°	1615.0	1615.0	1614.5	1614.5	1614.5	1613.9	1612.4	1612.4	1611.2	1610.7	1609.6
7.5°	1602.5	1601.5	1599.8	1599.2	1597.7	1596.0	1592.7	1589.9	1587.8	1585.1	1582.3
10°	1587.3	1584.5	1581.3	1579.0	1578.0	1574.2	1569.3	1562.8	1558.4	1553.5	1548.1
12.5°	1567.6	1564.3	1558.4	1554.0	1551.3	1544.3	1537.2	1528.9	1520.2	1511.6	1506.1
15°	1542.0	1536.6	1528.9	1524.6	1519.7	1509.9	1497.4	1485.9	1477.2	1467.4	1454.4
17.5°	1512.1	1503.8	1493.6	1486.5	1480.5	1467.4	1452.7	1438.0	1424.8	1412.9	1399.8
20°	1470.6	1460.8	1448.3	1439.0	1433.1	1416.2	1400.4	1383.0	1367.1	1352.9	1337.7
22.5°	1422.2	1405.8	1393.3	1382.4	1375.9	1356.7	1339.4	1320.8	1304.0	1291.4	1275.1
25°	1361.2	1345.3	1329.6	1320.8	1310.4	1290.3	1272.3	1253.3	1237.4	1221.7	1206.3
27.5°	1296.3	1277.7	1260.3	1250.0	1240.7	1221.1	1203.2	1185.7	1167.7	1150.3	1136.6
30°	1225.5	1207.0	1193.3	1180.2	1169.8	1154.1	1131.8	1114.3	1098.5	1082.7	1068.5
32.5°	1146.5	1131.1	1114.9	1108.3	1100.7	1081.6	1064.2	1047.3	1031.5	1015.6	1000.9
35°	1054.9	1042.9	1033.1	1026.0	1021.1	1004.2	990.6	972.6	962.9	947.0	936.1
37.5°	961.2	955.1	948.7	939.9	932.8	923.0	914.9	900.2	888.7	877.3	865.3
40°	871.3	864.7	856.0	851.7	850.0	841.3	829.8	822.2	815.6	805.4	798.8
42.5°	783.6	780.3	771.5	769.4	767.2	759.6	754.1	747.5	743.2	735.6	732.3
45°	694.2	693.6	691.5	689.3	688.2	682.7	681.6	673.5	669.7	668.0	664.7
47.5°	615.2	613.5	610.3	613.5	608.7	608.1	608.1	606.4	604.9	600.4	599.9
50°	534.5	537.3	537.8	536.2	539.4	538.9	536.2	536.7	537.8	540.0	536.7
52.5°	460.4	462.6	466.4	464.8	467.5	470.2	469.2	473.5	471.9	474.0	478.4
55°	390.2	396.1	400.0	398.3	400.5	403.8	404.9	408.7	411.9	415.8	418.5
57.5°	329.7	331.3	336.8	338.3	339.0	341.6	347.1	353.0	357.0	359.6	362.3
60°	270.2	275.7	279.5	279.5	283.9	287.7	292.6	298.0	302.4	308.9	313.9
62.5°	220.1	221.3	226.7	227.2	230.5	237.0	240.8	249.0	254.5	261.6	268.1
65°	171.7	176.5	179.8	180.3	185.3	190.2	195.7	203.3	210.9	216.8	222.8
67.5°	128.6	131.4	135.7	139.5	140.6	147.6	155.8	162.9	169.4	174.9	182.5
70°	89.9	92.1	98.0	100.3	103.5	108.9	115.5	123.1	130.7	138.4	144.4
72.5°	55.0	60.0	63.8	67.1	69.7	76.3	83.3	89.9	96.5	103.0	110.6
75°	30.6	33.7	38.2	41.5	44.1	49.1	55.6	62.1	68.1	74.1	79.5
77.5°	13.6	16.9	20.7	22.8	25.1	29.4	34.4	39.8	44.6	49.1	53.9
80°	5.5	7.6	9.8	11.4	12.5	15.2	19.0	21.8	25.1	28.9	32.7
82.5°	2.2	2.7	3.8	4.9	5.5	7.1	8.7	10.4	13.1	14.7	16.9
85°	0.5	0.5	1.1	1.1	1.6	2.2	2.7	3.8	4.3	4.9	6.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
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: P844372

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9
2.5°	1626.5	1625.9	1625.9	1625.9	1625.9	1625.4	1625.4	1625.4
5°	1610.1	1609.1	1608.6	1608.6	1606.9	1607.4	1607.4	1606.9
7.5°	1581.3	1580.2	1578.5	1579.7	1579.0	1577.5	1576.9	1576.4
10°	1543.7	1541.5	1541.0	1538.2	1536.6	1536.0	1536.0	1533.9
12.5°	1499.0	1493.0	1492.4	1489.7	1485.9	1483.8	1484.8	1481.5
15°	1449.4	1440.7	1436.4	1434.2	1429.8	1426.0	1422.7	1421.6
17.5°	1388.9	1379.2	1375.9	1373.7	1364.5	1363.8	1359.5	1357.9
20°	1325.7	1317.0	1312.1	1308.8	1301.7	1295.2	1294.6	1294.1
22.5°	1264.2	1250.0	1245.6	1240.7	1233.1	1227.6	1224.3	1221.7
25°	1194.4	1183.0	1175.3	1170.4	1165.0	1160.6	1156.2	1155.7
27.5°	1124.7	1113.8	1108.8	1104.5	1097.4	1092.5	1088.1	1090.3
30°	1056.6	1045.7	1040.2	1036.9	1029.8	1027.1	1019.5	1020.6
32.5°	989.0	979.2	975.3	968.8	962.2	959.0	956.3	954.1
35°	924.2	915.9	910.5	906.2	900.2	894.8	892.0	892.0
37.5°	858.2	850.0	847.3	844.0	838.6	831.0	828.2	830.5
40°	791.2	785.2	782.4	780.3	774.8	772.1	769.4	769.4
42.5°	727.4	721.4	720.9	718.7	714.3	712.7	710.5	708.9
45°	660.9	658.3	656.1	656.1	655.5	655.0	653.3	652.2
47.5°	597.2	597.8	596.6	596.1	596.6	595.0	597.2	595.6
50°	538.9	537.8	538.9	537.8	538.3	540.6	538.3	540.0
52.5°	476.8	481.6	482.2	480.1	482.2	483.9	484.9	487.7
55°	421.8	423.4	424.4	426.6	427.7	431.0	427.7	427.7
57.5°	368.4	371.0	372.2	373.8	378.1	376.5	379.3	381.4
60°	319.8	323.1	325.3	326.9	328.6	332.4	333.5	332.9
62.5°	272.4	277.3	277.9	282.3	283.3	286.1	288.2	286.1
65°	228.3	232.7	236.0	238.7	241.9	244.6	244.1	245.8
67.5°	187.9	193.4	196.2	197.2	201.6	202.7	205.4	207.1
70°	151.5	155.3	158.5	160.2	162.9	166.2	168.9	170.6
72.5°	115.5	121.5	124.8	125.9	130.2	132.4	133.5	135.2
75°	85.6	90.4	92.1	94.8	97.0	101.9	101.3	102.5
77.5°	59.4	62.6	65.9	65.9	69.7	70.9	73.6	74.1
80°	35.4	39.2	40.8	41.5	44.1	45.8	46.9	47.9
82.5°	18.5	21.3	21.3	22.3	24.5	24.5	25.1	26.1
85°	7.1	8.1	8.7	8.7	9.3	10.4	10.4	10.9
87.5°	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6
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)