

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: P844355

Luminaire Tested: **LD6C35DE010B2750 EU6C35B27 6LBDWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844355
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 EU6C35B27 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

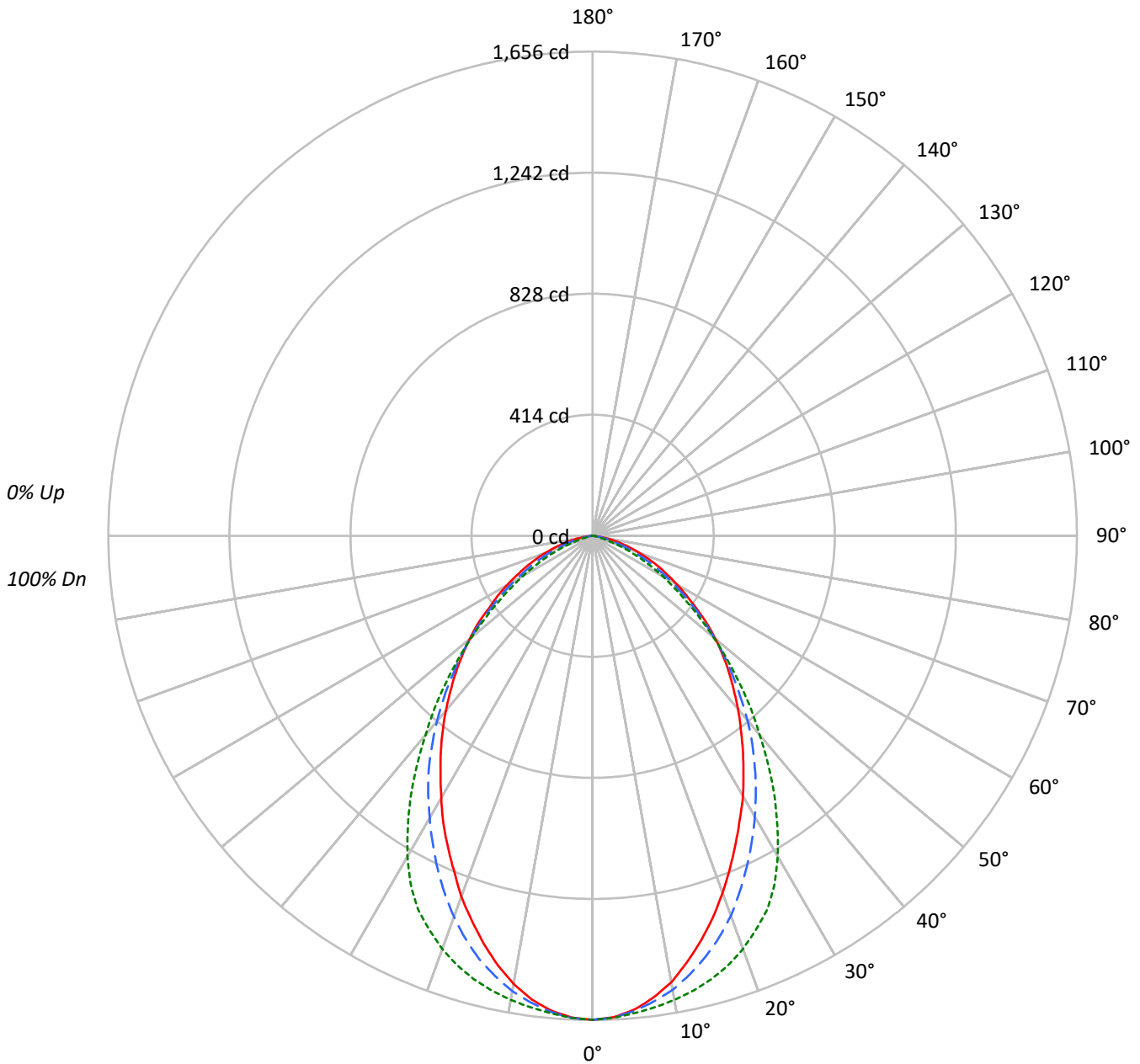
Lumens per Lamp: N/A
Luminaire Lumens: 2963.5 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77				77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67				67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59				59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53				53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47				47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32				32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	90760	90760	90760
5°	89555	90193	89704
10°	86282	89728	86622
15°	81317	89092	81851
20°	75782	87712	76587
25°	70081	85360	70921
30°	65080	80133	65535
35°	59896	72471	60559
40°	55339	63569	55855
45°	51122	54936	51300
50°	46770	46054	46728
55°	41318	37609	41470
60°	36477	30184	37026
65°	32131	22441	32338
70°	27024	14089	27729
75°	21414	5973	22028
80°	14333	1389	15374
85°	5913	314	6982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	5.2
10°-20°	420.9	14.2
20°-30°	581.1	19.6
30°-40°	611.3	20.6
40°-50°	526.5	17.8
50°-60°	374.8	12.6
60°-70°	211.3	7.1
70°-80°	74.9	2.5
80°-90°	8.4	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°	1156.3	39.0
0°-40°	1767.6	59.6
0°-60°	2668.9	90.1
0°-90°	2963.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2963.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1656	1656	1656	1656	1656	
5°	1627	1631	1639	1635	1630	153
15°	1433	1491	1570	1499	1442	402
25°	1159	1248	1411	1255	1172	533
35°	895	967	1083	977	905	560
45°	659	678	709	679	662	508
55°	432	418	394	418	434	390
65°	248	212	173	214	249	245
75°	101	68	28	69	104	109
85°	9	4	0	4	11	16
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°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6
2.5°	1648.4	1649.0	1649.0	1649.5	1649.0	1649.0	1649.5	1649.5	1649.0	1649.5	1649.5
5°	1627.4	1626.9	1627.4	1627.9	1629.6	1629.6	1629.1	1629.1	1630.7	1630.1	1631.3
7.5°	1593.1	1593.1	1594.8	1595.9	1595.9	1596.4	1597.6	1599.8	1602.0	1602.5	1606.3
10°	1550.0	1550.6	1550.0	1552.2	1553.9	1556.6	1556.1	1559.9	1563.8	1569.3	1576.5
12.5°	1493.1	1494.8	1498.0	1498.0	1503.0	1505.8	1505.2	1514.1	1521.3	1527.9	1536.7
15°	1432.8	1432.2	1435.0	1439.4	1444.4	1448.3	1449.9	1461.5	1468.7	1479.8	1490.8
17.5°	1368.2	1366.5	1370.9	1373.7	1381.9	1386.9	1390.3	1400.2	1411.8	1425.1	1440.0
20°	1299.0	1301.8	1302.9	1306.8	1317.8	1321.7	1327.2	1338.3	1349.9	1365.4	1382.5
22.5°	1228.2	1232.1	1234.4	1239.3	1248.2	1251.5	1257.0	1273.1	1285.8	1299.6	1315.6
25°	1158.6	1163.1	1166.9	1173.0	1179.1	1184.0	1191.2	1202.3	1216.7	1229.4	1247.6
27.5°	1090.6	1094.5	1095.6	1102.8	1110.0	1116.6	1120.5	1133.8	1145.9	1161.4	1179.1
30°	1028.1	1026.0	1028.8	1034.8	1043.1	1047.5	1054.1	1063.0	1076.2	1091.2	1109.5
32.5°	959.6	959.6	964.0	971.2	977.9	981.2	983.4	995.6	1008.9	1023.2	1038.2
35°	895.0	897.2	901.0	905.4	912.6	915.4	920.4	929.2	939.7	955.8	966.8
37.5°	832.5	834.2	838.0	842.4	848.0	853.5	855.7	865.1	872.9	886.1	896.7
40°	773.3	773.9	778.3	780.0	785.0	787.2	791.5	796.5	807.6	813.1	823.1
42.5°	713.7	716.4	718.0	721.9	722.5	726.9	729.1	730.8	739.6	743.0	748.5
45°	659.4	659.4	661.1	661.1	663.9	662.2	665.6	668.8	669.4	675.0	678.3
47.5°	603.1	601.5	603.6	603.1	602.5	602.5	603.6	604.2	605.8	609.7	611.4
50°	548.4	544.5	544.5	543.9	543.4	545.0	545.0	544.5	544.5	546.2	544.5
52.5°	492.5	491.4	488.6	486.4	485.3	485.3	485.3	483.1	483.1	482.1	478.2
55°	432.3	433.9	432.8	431.7	431.2	429.5	429.5	426.8	422.3	420.1	417.9
57.5°	380.3	382.5	382.5	380.3	377.6	376.4	373.7	372.0	368.2	364.2	359.9
60°	332.7	335.6	331.7	330.0	329.5	327.8	326.7	320.6	316.8	312.8	307.9
62.5°	287.5	288.5	285.8	284.1	282.5	280.8	280.3	275.3	268.6	263.7	257.6
65°	247.7	246.0	244.8	242.1	239.3	237.1	237.1	230.5	224.4	218.3	212.3
67.5°	206.2	207.3	205.6	203.4	199.0	196.8	193.4	189.0	183.5	177.5	170.3
70°	168.6	168.1	166.4	164.1	161.4	157.6	154.7	152.6	144.8	137.6	131.6
72.5°	134.3	133.8	132.1	129.3	125.4	123.8	121.6	116.1	110.0	104.0	97.3
75°	101.1	101.7	99.0	97.8	93.4	91.8	91.2	84.6	79.6	74.0	68.0
77.5°	72.4	72.4	69.7	67.5	65.3	64.1	61.9	58.1	54.2	48.7	43.7
80°	45.4	45.4	45.4	43.2	40.9	39.8	38.2	35.4	31.5	28.2	24.9
82.5°	24.3	24.3	23.3	22.6	21.6	20.4	19.9	18.8	16.1	14.4	12.2
85°	9.4	9.4	8.9	8.9	7.7	7.7	7.2	6.7	5.5	5.0	4.4
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°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6
2.5°	1650.0	1650.0	1649.5	1650.0	1650.0	1650.0	1650.0	1650.0	1650.0	1650.0	1650.6
5°	1632.4	1634.0	1634.6	1635.1	1636.3	1636.8	1637.3	1637.9	1638.5	1639.0	1639.0
7.5°	1609.7	1613.5	1616.4	1619.1	1620.2	1621.4	1622.9	1625.2	1626.9	1626.9	1626.3
10°	1582.6	1587.6	1593.1	1598.1	1599.8	1602.5	1605.3	1608.6	1611.3	1611.9	1611.9
12.5°	1547.2	1552.7	1562.8	1571.0	1574.3	1578.2	1583.7	1588.7	1591.4	1593.1	1592.6
15°	1503.0	1514.6	1528.4	1537.8	1542.2	1548.9	1557.7	1563.3	1567.7	1569.8	1568.8
17.5°	1454.9	1469.8	1484.8	1497.5	1503.5	1510.2	1522.4	1532.3	1539.0	1540.5	1539.5
20°	1400.2	1416.8	1432.8	1448.9	1457.1	1464.8	1477.6	1490.3	1501.3	1503.5	1501.9
22.5°	1334.9	1353.8	1373.1	1391.3	1400.7	1407.9	1426.2	1440.5	1453.3	1458.8	1454.9
25°	1267.6	1287.5	1307.9	1323.9	1334.4	1346.6	1363.2	1379.8	1395.2	1411.2	1396.9
27.5°	1195.7	1214.0	1235.4	1257.5	1267.6	1276.4	1293.5	1314.5	1330.5	1346.6	1330.5
30°	1123.8	1147.0	1166.4	1185.7	1196.8	1207.3	1224.4	1241.6	1257.0	1265.9	1255.9
32.5°	1056.4	1073.5	1092.9	1111.7	1119.4	1127.6	1142.0	1158.1	1173.0	1175.8	1169.1
35°	985.6	1000.5	1016.6	1028.8	1038.2	1047.0	1059.6	1069.6	1073.5	1082.9	1076.2
37.5°	905.4	918.8	933.0	941.9	950.2	957.4	966.8	975.7	978.9	986.1	981.2
40°	829.7	840.8	849.1	858.5	862.9	870.1	873.9	881.1	885.0	888.3	888.8
42.5°	756.7	762.9	768.9	775.6	777.3	778.8	788.3	793.2	797.1	799.4	796.0
45°	682.2	688.2	690.4	695.4	698.1	699.3	703.1	703.6	704.8	708.6	707.0
47.5°	614.2	614.7	616.4	618.6	619.7	619.7	621.9	619.7	620.7	621.4	622.4
50°	542.8	546.7	542.8	545.0	545.6	545.0	543.4	542.2	540.7	540.0	539.5
52.5°	475.4	475.9	473.7	472.0	470.4	471.0	466.5	464.3	464.9	461.6	465.5
55°	414.1	411.8	406.9	405.2	401.3	400.7	400.2	397.5	393.0	393.5	394.7
57.5°	354.8	351.0	346.1	343.3	342.1	337.7	337.2	332.7	330.0	329.5	329.5
60°	301.2	297.9	293.0	288.0	284.1	282.0	279.1	274.8	275.8	275.3	272.6
62.5°	250.4	246.5	239.3	233.8	231.6	229.9	226.1	222.7	221.2	222.7	221.2
65°	205.1	199.0	190.7	185.2	184.7	182.4	178.0	175.8	174.1	173.0	174.7
67.5°	163.1	154.7	149.8	142.6	139.3	138.2	132.1	128.8	129.3	128.8	129.3
70°	124.4	116.1	109.5	104.0	99.5	97.8	94.6	90.1	89.6	87.9	90.1
72.5°	90.1	82.9	76.8	70.8	66.8	64.7	60.3	55.8	54.7	53.6	53.6
75°	61.9	55.8	49.2	43.7	40.9	38.7	34.3	31.0	28.2	28.2	28.2
77.5°	38.7	33.7	28.8	24.9	23.3	21.0	17.1	13.9	12.7	11.1	11.6
80°	22.1	18.2	15.4	12.7	11.1	9.9	7.7	6.0	4.4	4.4	4.4
82.5°	10.5	8.9	6.7	5.5	5.0	3.9	2.7	2.2	1.7	1.1	1.1
85°	3.3	2.7	2.2	1.7	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°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6
2.5°	1650.0	1650.6	1650.0	1650.6	1650.0	1651.2	1651.2	1650.6	1650.6	1650.6	1650.0
5°	1638.5	1638.5	1637.9	1637.9	1637.9	1637.3	1635.6	1635.6	1634.6	1634.0	1632.9
7.5°	1625.7	1624.6	1622.9	1622.4	1620.7	1619.1	1615.7	1613.0	1610.8	1608.0	1605.3
10°	1610.2	1607.5	1604.2	1602.0	1600.8	1597.0	1592.1	1585.4	1581.0	1576.0	1570.5
12.5°	1590.4	1587.1	1581.0	1576.5	1573.8	1566.6	1559.4	1551.1	1542.2	1533.5	1527.9
15°	1564.3	1558.8	1551.1	1546.7	1541.7	1531.8	1519.1	1507.4	1498.6	1488.6	1475.4
17.5°	1534.0	1525.6	1515.2	1508.0	1501.9	1488.6	1473.7	1458.8	1445.6	1433.4	1420.1
20°	1492.0	1482.0	1469.3	1459.9	1453.8	1436.7	1420.6	1403.0	1386.9	1372.6	1357.0
22.5°	1442.7	1426.2	1413.4	1402.4	1395.8	1376.4	1358.7	1339.9	1322.8	1310.1	1293.5
25°	1380.8	1364.8	1348.8	1339.9	1329.4	1309.0	1290.7	1271.4	1255.4	1239.3	1223.9
27.5°	1315.1	1296.2	1278.6	1268.1	1258.7	1238.8	1220.5	1202.8	1184.7	1166.9	1153.1
30°	1243.2	1224.4	1210.6	1197.3	1186.8	1170.8	1148.2	1130.4	1114.4	1098.4	1084.0
32.5°	1163.1	1147.5	1131.0	1124.4	1116.6	1097.3	1079.6	1062.4	1046.4	1030.3	1015.4
35°	1070.2	1058.1	1048.1	1040.9	1036.0	1018.8	1005.0	986.7	976.7	960.8	949.6
37.5°	975.1	969.0	962.3	953.6	946.4	936.4	928.1	913.2	901.6	890.0	877.8
40°	883.9	877.3	868.4	864.0	862.3	853.5	841.9	834.2	827.5	817.0	810.4
42.5°	794.9	791.5	782.8	780.5	778.3	770.6	765.1	758.4	754.0	746.3	743.0
45°	704.3	703.6	701.5	699.3	698.1	692.6	691.5	683.2	679.3	677.7	674.3
47.5°	624.1	622.4	619.1	622.4	617.4	616.9	616.9	615.2	613.6	609.2	608.6
50°	542.2	545.0	545.6	543.9	547.2	546.7	543.9	544.5	545.6	547.9	544.5
52.5°	467.1	469.3	473.2	471.5	474.2	477.1	475.9	480.4	478.7	480.9	485.3
55°	395.8	401.9	405.7	404.1	406.3	409.6	410.7	414.6	417.9	421.8	424.5
57.5°	334.4	336.1	341.6	343.3	343.8	346.6	352.1	358.2	362.0	364.9	367.6
60°	274.1	279.7	283.6	283.6	288.0	291.9	296.9	302.4	306.8	313.4	318.5
62.5°	223.4	224.4	229.9	230.5	233.8	240.5	244.3	252.7	258.2	265.4	271.9
65°	174.1	179.1	182.4	183.0	187.9	192.9	198.4	206.2	214.0	220.0	226.1
67.5°	130.4	133.3	137.6	141.5	142.6	149.8	158.1	165.3	171.9	177.5	185.2
70°	91.2	93.4	99.5	101.7	105.0	110.5	117.2	124.9	132.6	140.5	146.5
72.5°	55.8	60.8	64.7	68.0	70.8	77.4	84.6	91.2	97.8	104.5	112.2
75°	31.0	34.3	38.7	42.0	44.7	49.7	56.4	63.0	69.1	75.2	80.7
77.5°	13.9	17.1	21.0	23.3	25.4	29.8	34.8	40.4	45.4	49.7	54.7
80°	5.5	7.7	9.9	11.6	12.7	15.4	19.4	22.1	25.4	29.3	33.2
82.5°	2.2	2.7	3.9	5.0	5.5	7.2	8.9	10.5	13.2	14.9	17.1
85°	0.5	0.5	1.1	1.1	1.7	2.2	2.7	3.9	4.4	5.0	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: P844355

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6
2.5°	1650.0	1649.5	1649.5	1649.5	1649.5	1649.0	1649.0	1649.0
5°	1633.5	1632.4	1631.8	1631.8	1630.1	1630.7	1630.7	1630.1
7.5°	1604.2	1603.1	1601.4	1602.5	1602.0	1600.3	1599.8	1599.1
10°	1566.0	1563.8	1563.3	1560.5	1558.8	1558.3	1558.3	1556.1
12.5°	1520.7	1514.6	1514.1	1511.3	1507.4	1505.2	1506.3	1503.0
15°	1470.4	1461.5	1457.1	1454.9	1450.5	1446.6	1443.4	1442.2
17.5°	1409.1	1399.0	1395.8	1393.5	1384.1	1383.6	1379.2	1377.6
20°	1344.9	1336.1	1331.1	1327.8	1320.6	1314.0	1313.4	1312.8
22.5°	1282.5	1268.1	1263.7	1258.7	1251.0	1245.4	1242.1	1239.3
25°	1211.7	1200.1	1192.4	1187.4	1181.8	1177.5	1173.0	1172.5
27.5°	1141.0	1129.9	1124.9	1120.5	1113.3	1108.3	1103.9	1106.1
30°	1071.8	1060.8	1055.3	1051.9	1044.7	1042.0	1034.3	1035.3
32.5°	1003.3	993.3	989.5	982.9	976.2	972.9	970.2	967.9
35°	937.5	929.2	923.7	919.3	913.2	907.7	904.9	904.9
37.5°	870.6	862.3	859.5	856.3	850.8	843.0	840.2	842.4
40°	802.6	796.5	793.8	791.5	786.0	783.3	780.5	780.5
42.5°	737.9	731.9	731.4	729.1	724.7	723.0	720.8	719.2
45°	670.5	667.8	665.6	665.6	665.0	664.4	662.8	661.7
47.5°	605.8	606.4	605.3	604.8	605.3	603.6	605.8	604.2
50°	546.7	545.6	546.7	545.6	546.2	548.4	546.2	547.9
52.5°	483.7	488.6	489.3	487.0	489.3	490.8	492.0	494.8
55°	427.8	429.5	430.7	432.8	433.9	437.2	433.9	433.9
57.5°	373.7	376.4	377.6	379.2	383.6	382.0	384.8	387.0
60°	324.5	327.8	330.0	331.7	333.4	337.2	338.3	337.7
62.5°	276.4	281.3	282.0	286.3	287.5	290.2	292.4	290.2
65°	231.6	236.1	239.3	242.1	245.5	248.2	247.7	249.3
67.5°	190.7	196.2	199.0	200.1	204.5	205.6	208.4	210.0
70°	153.7	157.6	160.9	162.6	165.3	168.6	171.3	173.0
72.5°	117.2	123.3	126.6	127.7	132.1	134.3	135.5	137.1
75°	86.8	91.8	93.4	96.1	98.4	103.3	102.8	104.0
77.5°	60.3	63.6	66.8	66.8	70.8	71.8	74.7	75.2
80°	36.0	39.8	41.5	42.0	44.7	46.4	47.5	48.7
82.5°	18.8	21.6	21.6	22.6	24.9	24.9	25.4	26.5
85°	7.2	8.2	8.9	8.9	9.4	10.5	10.5	11.1
87.5°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7
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)