

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: P684223

Luminaire Tested: **LX6C35D010 EX6C359035 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C35D010 EX6C359035 6LBLWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

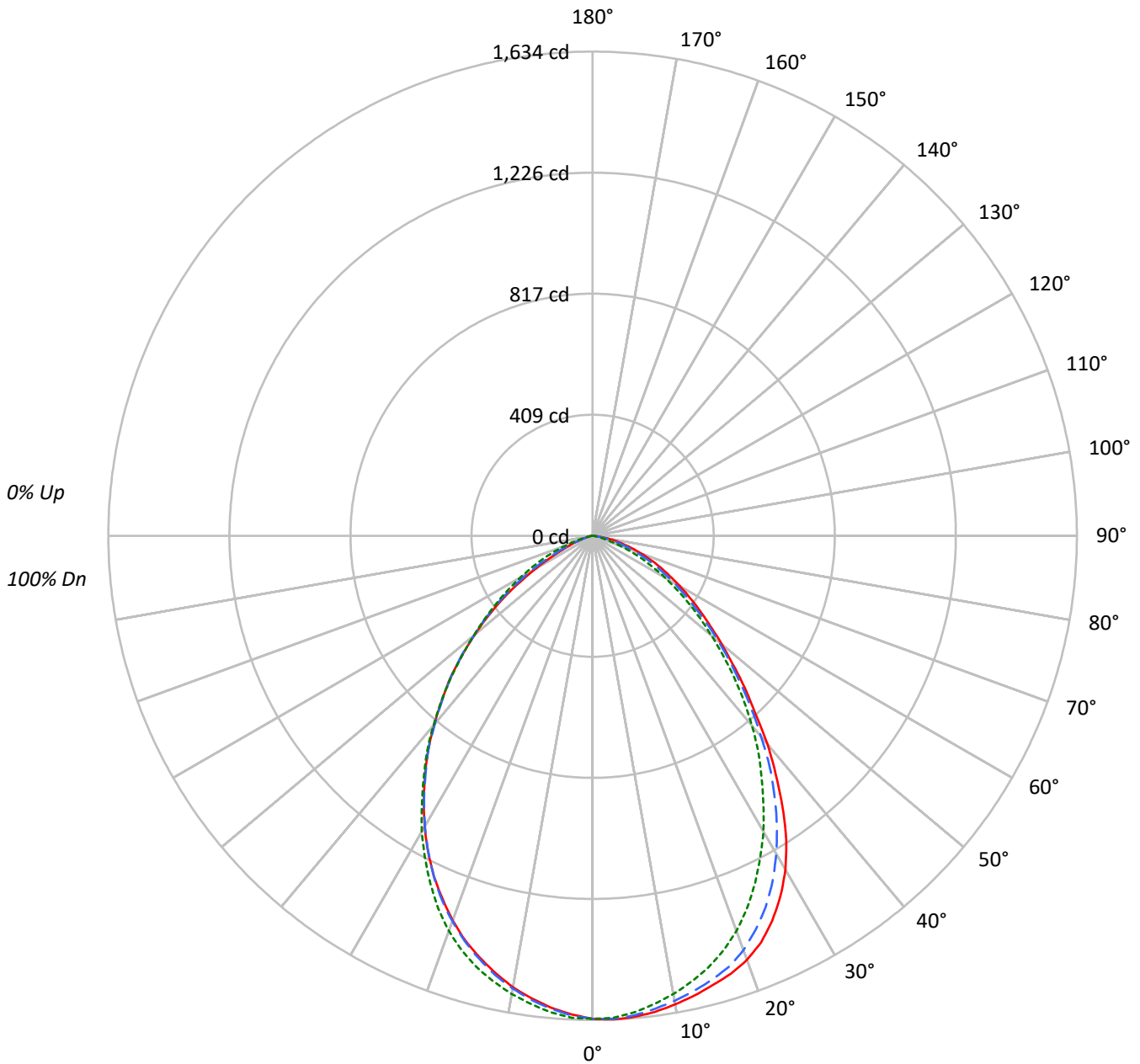
Lumens per Lamp: N/A
Luminaire Lumens: 2965.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
Input Current (A_{in}): 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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	89357	89357	89357
5°	89671	88856	87981
10°	89394	87412	86132
15°	89058	85608	83616
20°	88861	82788	80583
25°	86697	78349	76625
30°	82373	72973	71758
35°	74766	66441	66000
40°	65601	59798	59483
45°	56238	52246	52672
50°	48408	44536	44297
55°	42312	37600	35296
60°	37190	30820	24088
65°	32546	23881	14502
70°	27745	16076	8511
75°	22388	8345	4639
80°	15564	3283	2589
85°	6227	1006	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	5.2
10°-20°	426.5	14.4
20°-30°	606.9	20.5
30°-40°	638.8	21.5
40°-50°	532.4	18.0
50°-60°	359.7	12.1
60°-70°	182.4	6.2
70°-80°	58.9	2.0
80°-90°	6.7	0.2
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°	1186.2	40.0
0°-40°	1825.0	61.6
0°-60°	2717.0	91.6
0°-90°	2965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2965.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1630	1630	1630	1630	1630	
5°	1630	1625	1615	1603	1599	155
15°	1569	1552	1508	1478	1473	443
25°	1433	1381	1295	1268	1267	657
35°	1117	1069	993	983	986	695
45°	725	707	674	677	679	562
55°	443	421	393	381	369	398
65°	251	226	184	133	112	250
75°	106	83	39	21	22	114
85°	10	6	2	2	2	17
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°	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0
2.5°	1633.9	1633.9	1633.9	1633.9	1633.9	1633.9	1633.3	1633.3	1632.2	1632.2	1631.7
5°	1629.5	1630.0	1630.0	1629.5	1629.5	1628.4	1628.4	1627.9	1626.2	1625.1	1624.6
7.5°	1620.2	1620.2	1619.6	1619.1	1618.5	1616.9	1616.3	1614.7	1613.6	1612.5	1610.3
10°	1605.9	1605.9	1605.4	1604.3	1603.7	1602.6	1602.6	1600.5	1598.3	1595.5	1593.9
12.5°	1589.0	1589.5	1588.4	1587.9	1586.2	1585.7	1584.6	1581.8	1580.2	1576.9	1574.2
15°	1569.2	1570.3	1570.3	1568.1	1566.5	1565.9	1564.3	1562.7	1558.8	1555.5	1552.2
17.5°	1550.0	1551.1	1550.0	1548.4	1546.8	1544.6	1543.5	1540.2	1535.3	1530.9	1525.9
20°	1523.2	1524.8	1522.7	1519.9	1516.6	1516.1	1514.4	1509.0	1501.8	1495.3	1488.1
22.5°	1485.4	1484.3	1482.7	1481.6	1476.1	1472.8	1470.6	1463.5	1455.8	1447.0	1438.3
25°	1433.3	1435.5	1432.2	1427.3	1424.6	1421.3	1415.8	1408.1	1401.0	1391.7	1381.3
27.5°	1372.0	1372.0	1367.6	1366.0	1359.9	1355.5	1352.8	1345.1	1335.8	1326.5	1315.0
30°	1301.3	1298.0	1298.0	1290.3	1285.4	1283.8	1281.0	1268.4	1260.2	1250.3	1238.8
32.5°	1215.8	1215.3	1213.1	1208.2	1201.6	1196.1	1196.1	1187.3	1176.4	1164.3	1157.2
35°	1117.2	1117.7	1116.6	1111.2	1111.2	1104.6	1103.5	1095.8	1087.1	1077.7	1069.0
37.5°	1015.3	1017.5	1015.3	1012.5	1010.9	1010.4	1005.4	999.9	993.4	987.9	981.3
40°	916.7	913.4	914.5	909.0	909.5	908.4	906.3	899.1	895.3	889.8	882.7
42.5°	810.4	813.7	814.7	811.5	810.4	808.2	810.4	807.6	803.2	800.5	793.9
45°	725.4	722.2	723.8	722.7	723.2	718.9	717.2	716.1	714.5	709.5	706.8
47.5°	641.1	641.6	641.1	638.9	637.8	637.8	635.6	632.3	632.3	629.0	626.8
50°	567.6	567.6	568.7	566.0	564.9	562.7	563.3	560.0	557.8	555.0	553.4
52.5°	500.2	500.8	498.6	499.2	498.1	498.1	495.9	493.7	491.5	486.5	485.5
55°	442.7	443.3	440.5	441.6	438.3	436.7	435.6	432.3	432.3	427.4	421.3
57.5°	389.0	388.5	387.9	386.3	384.1	382.4	380.8	377.0	375.3	372.0	367.1
60°	339.2	338.6	337.5	337.0	335.3	331.5	331.5	328.7	323.3	320.0	315.1
62.5°	292.0	292.0	291.5	289.8	288.2	286.6	285.5	283.3	277.8	274.0	269.6
65°	250.9	250.4	248.8	246.0	244.9	244.9	241.1	239.4	235.1	231.2	226.3
67.5°	211.5	209.3	208.2	208.8	205.5	205.5	202.2	199.4	195.6	189.0	185.2
70°	173.1	172.0	170.9	169.9	169.3	167.1	165.5	162.2	158.3	153.4	147.4
72.5°	138.6	138.6	137.0	135.9	134.2	132.0	131.0	128.2	123.8	118.3	114.0
75°	105.7	105.7	105.7	103.6	102.5	101.4	98.1	96.4	91.5	88.2	82.7
77.5°	77.8	76.7	75.1	74.5	73.4	72.3	70.7	67.9	63.6	59.7	56.4
80°	49.3	51.0	49.3	49.3	46.6	45.5	44.9	41.6	40.0	36.7	34.0
82.5°	27.4	27.9	26.8	26.3	24.7	24.1	24.1	21.9	20.8	18.6	17.0
85°	9.9	10.4	9.9	9.9	8.8	9.3	8.8	8.2	7.1	6.0	5.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0
2.5°	1631.7	1630.6	1630.6	1630.0	1629.5	1629.5	1629.5	1628.9	1627.9	1627.9	1627.3
5°	1623.5	1622.4	1620.7	1619.6	1619.1	1618.5	1618.0	1617.4	1615.3	1614.7	1613.1
7.5°	1608.7	1607.6	1604.8	1603.7	1602.1	1601.6	1599.4	1598.3	1596.1	1593.9	1592.8
10°	1591.1	1588.4	1586.2	1583.5	1582.4	1580.7	1578.0	1574.7	1573.1	1570.3	1568.1
12.5°	1571.4	1568.1	1563.7	1560.5	1559.4	1556.6	1552.2	1549.5	1545.7	1541.3	1537.4
15°	1546.8	1542.9	1539.1	1533.1	1531.4	1528.1	1523.7	1518.3	1512.8	1508.4	1504.0
17.5°	1519.9	1513.9	1507.9	1501.3	1496.4	1494.7	1487.6	1479.9	1475.0	1467.3	1462.4
20°	1482.1	1473.9	1464.0	1457.5	1453.1	1448.1	1439.9	1431.7	1425.7	1419.1	1412.0
22.5°	1430.1	1422.4	1410.9	1401.0	1397.7	1390.6	1383.5	1375.8	1368.1	1361.0	1352.3
25°	1368.7	1360.5	1349.0	1339.1	1333.6	1330.3	1316.6	1309.0	1301.3	1295.3	1289.2
27.5°	1305.7	1290.9	1283.2	1267.9	1262.9	1261.8	1249.2	1241.0	1232.8	1224.6	1216.9
30°	1227.9	1216.4	1204.9	1193.9	1187.3	1183.5	1174.2	1163.8	1158.3	1152.8	1145.1
32.5°	1147.3	1136.9	1122.7	1112.3	1107.3	1101.9	1093.6	1086.5	1078.3	1072.3	1070.6
35°	1061.3	1049.8	1037.7	1030.1	1029.0	1022.4	1014.2	1008.2	1002.1	992.8	991.2
37.5°	969.3	962.7	954.5	943.5	938.6	938.6	930.4	926.0	918.3	917.8	913.4
40°	878.9	876.1	863.5	860.2	859.1	851.5	849.3	841.6	836.1	835.6	829.0
42.5°	789.5	782.4	780.2	774.8	769.8	768.7	763.8	760.5	758.3	755.0	751.7
45°	700.8	699.1	693.7	689.8	688.2	686.0	684.3	677.8	676.7	673.9	672.3
47.5°	624.1	619.7	614.8	610.4	609.8	606.5	602.7	602.7	596.7	596.1	595.0
50°	547.9	544.6	541.9	535.9	537.0	532.6	532.0	527.1	524.4	522.2	524.9
52.5°	481.1	474.5	473.4	468.5	466.8	467.4	461.3	459.7	458.6	456.4	455.3
55°	417.5	414.2	409.8	406.6	403.8	401.1	398.9	398.9	392.9	393.4	390.7
57.5°	361.6	358.9	353.4	348.5	347.4	344.1	341.4	338.6	338.1	334.2	331.5
60°	311.8	306.8	299.7	297.5	294.2	291.5	288.8	285.5	283.8	281.1	276.1
62.5°	265.2	257.0	254.2	249.8	246.0	244.4	240.0	236.2	233.4	229.6	225.7
65°	220.8	214.8	209.9	204.9	204.4	200.0	196.2	192.9	187.4	184.1	177.0
67.5°	180.3	174.8	169.3	164.4	160.5	159.4	153.4	149.6	145.7	139.2	133.1
70°	143.0	137.5	133.1	127.1	125.5	121.1	116.7	112.9	106.3	100.3	95.3
72.5°	109.0	103.0	98.1	93.7	91.0	87.1	82.7	78.4	71.8	65.7	61.4
75°	77.8	73.4	68.5	64.1	61.9	59.7	54.8	49.9	45.5	39.4	35.6
77.5°	52.6	48.2	43.8	40.0	37.3	35.6	32.3	28.5	24.7	21.4	18.6
80°	30.7	27.9	24.7	21.4	20.8	19.2	16.4	14.2	12.1	10.4	8.2
82.5°	14.8	13.1	11.0	9.3	8.2	7.7	6.6	5.5	4.4	3.8	3.8
85°	4.4	3.8	3.3	2.7	2.2	2.2	1.6	1.6	1.6	1.6	1.6
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0
2.5°	1625.7	1625.1	1624.6	1624.0	1622.9	1622.9	1621.3	1620.2	1620.2	1619.1	1618.5
5°	1611.4	1609.8	1609.2	1608.1	1607.0	1606.5	1604.3	1603.7	1602.6	1601.6	1601.6
7.5°	1591.1	1589.0	1586.8	1585.7	1585.1	1583.5	1582.4	1581.8	1580.2	1579.1	1576.9
10°	1564.3	1562.7	1559.9	1558.8	1557.7	1556.6	1553.9	1552.2	1551.7	1550.6	1549.5
12.5°	1533.1	1530.9	1528.1	1525.9	1524.8	1523.2	1520.5	1518.8	1518.8	1516.6	1516.6
15°	1499.6	1496.4	1491.4	1489.2	1488.7	1485.4	1483.2	1481.0	1478.3	1477.2	1477.2
17.5°	1456.9	1451.4	1447.0	1447.0	1444.9	1441.6	1438.3	1436.6	1435.0	1432.8	1431.7
20°	1406.5	1402.7	1397.7	1397.7	1392.8	1391.7	1388.4	1387.9	1384.0	1384.6	1382.9
22.5°	1345.7	1343.5	1340.7	1338.6	1335.8	1332.5	1330.9	1331.4	1329.8	1329.2	1328.7
25°	1284.3	1278.3	1275.0	1273.9	1272.8	1270.1	1269.0	1268.4	1268.4	1266.8	1267.3
27.5°	1213.6	1209.2	1204.9	1206.5	1204.3	1202.7	1201.6	1199.9	1201.0	1200.5	1201.0
30°	1141.3	1135.8	1133.1	1134.2	1133.6	1129.3	1131.4	1130.9	1131.4	1131.4	1132.5
32.5°	1065.1	1061.3	1060.8	1061.3	1056.4	1056.9	1054.7	1058.0	1058.6	1061.9	1059.1
35°	987.9	985.7	981.9	981.3	981.9	981.3	981.3	983.5	983.0	986.2	985.2
37.5°	908.4	907.3	903.5	904.6	902.4	906.3	907.3	906.3	910.1	909.0	908.4
40°	830.6	829.0	826.8	831.2	828.4	826.3	830.1	826.8	827.9	831.2	831.2
42.5°	751.7	749.0	749.0	749.0	748.5	748.5	750.1	751.7	750.6	751.2	755.6
45°	672.3	671.7	670.1	671.2	670.6	673.4	673.4	674.5	676.7	678.9	677.8
47.5°	595.6	594.5	596.1	595.0	595.6	593.9	595.0	598.3	601.1	597.2	601.1
50°	523.8	521.6	521.1	522.7	522.2	521.6	522.7	522.7	521.6	521.6	525.4
52.5°	455.3	453.1	451.5	454.2	452.6	453.1	450.9	450.9	452.0	450.9	449.3
55°	391.2	389.6	387.4	388.5	385.7	385.2	383.0	383.0	381.3	380.3	377.0
57.5°	329.8	328.7	323.8	323.3	323.8	320.0	316.1	314.5	310.1	309.0	308.5
60°	275.6	269.6	266.8	263.5	261.4	259.7	255.3	252.6	246.0	242.2	241.6
62.5°	219.2	216.4	213.1	208.2	207.1	201.6	197.2	190.1	186.8	181.9	177.0
65°	173.7	166.6	161.6	158.9	154.5	149.6	144.6	137.0	133.1	127.1	122.2
67.5°	127.1	121.1	114.5	112.3	108.5	102.5	97.5	91.0	87.7	82.2	80.5
70°	87.1	81.6	76.7	73.4	70.7	64.7	59.7	57.5	54.2	53.1	53.1
72.5°	55.9	51.0	45.5	43.8	41.6	38.4	35.1	34.0	35.1	34.5	34.5
75°	31.2	28.5	24.7	23.0	23.0	21.9	21.4	21.4	21.4	21.4	21.4
77.5°	15.9	14.2	13.1	12.6	12.6	12.6	13.1	13.1	13.1	13.7	13.1
80°	7.7	7.1	7.1	7.1	7.7	7.7	7.7	7.7	7.7	8.2	7.7
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	4.4	4.4	4.4	4.4	4.4
85°	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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: P684223

CATALOG NUMBER: LX6C35D010 EX6C359035 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0	1630.0
2.5°	1618.0	1616.9	1616.9	1616.3	1616.3	1616.3	1616.3	1616.9
5°	1600.5	1599.9	1599.9	1598.8	1598.8	1598.8	1598.8	1598.8
7.5°	1576.9	1575.8	1576.3	1575.3	1575.3	1575.8	1575.3	1574.7
10°	1547.9	1547.3	1547.9	1547.9	1546.8	1546.2	1546.8	1547.3
12.5°	1515.0	1514.4	1513.3	1513.9	1513.9	1513.3	1512.8	1511.7
15°	1476.6	1476.1	1475.5	1475.0	1474.4	1475.0	1474.4	1473.3
17.5°	1431.7	1431.7	1431.2	1430.6	1430.1	1429.0	1429.5	1431.2
20°	1383.5	1382.9	1381.8	1382.4	1380.2	1379.1	1379.6	1381.3
22.5°	1328.1	1326.5	1327.6	1326.0	1326.0	1326.5	1326.0	1324.9
25°	1267.9	1265.7	1266.8	1267.3	1267.3	1266.8	1266.2	1266.8
27.5°	1201.0	1202.7	1202.7	1201.6	1203.2	1201.0	1202.1	1202.7
30°	1132.5	1130.9	1130.3	1132.5	1135.8	1133.1	1133.1	1133.6
32.5°	1061.9	1059.7	1059.7	1060.8	1060.2	1060.2	1062.4	1059.7
35°	986.2	987.3	983.0	985.7	986.8	985.7	986.2	986.2
37.5°	910.1	909.0	909.0	909.0	910.6	910.6	911.7	911.2
40°	835.0	832.8	832.3	833.4	831.2	832.8	832.8	831.2
42.5°	753.9	754.5	757.2	754.5	755.0	754.5	753.4	752.8
45°	678.9	680.5	679.4	678.9	679.4	677.2	677.8	679.4
47.5°	599.4	602.7	599.4	601.6	601.1	600.0	598.9	596.7
50°	524.9	526.0	525.4	524.9	524.4	523.8	521.1	519.4
52.5°	448.7	448.7	448.7	448.7	443.3	446.0	444.9	441.6
55°	374.2	375.9	373.7	373.7	369.8	369.8	368.7	369.3
57.5°	302.4	300.8	299.2	299.2	295.3	293.7	292.0	289.8
60°	235.6	234.0	231.8	229.0	225.2	225.2	224.1	219.7
62.5°	172.6	169.9	168.2	166.0	162.7	160.5	158.9	160.0
65°	118.3	115.6	113.4	113.4	113.4	112.3	111.8	111.8
67.5°	77.8	79.4	78.4	79.4	79.4	78.4	77.8	78.9
70°	53.7	53.7	53.1	53.1	53.1	53.1	52.6	53.1
72.5°	34.5	34.5	34.5	35.1	34.5	34.5	35.1	35.1
75°	21.9	21.9	21.9	22.5	21.9	21.9	22.5	21.9
77.5°	13.1	13.7	13.7	13.7	13.7	13.1	13.7	13.7
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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)