

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: P684237

Luminaire Tested: **LX6C35D010 EX6C359050 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684237
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 EX6C359050 6LBLWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

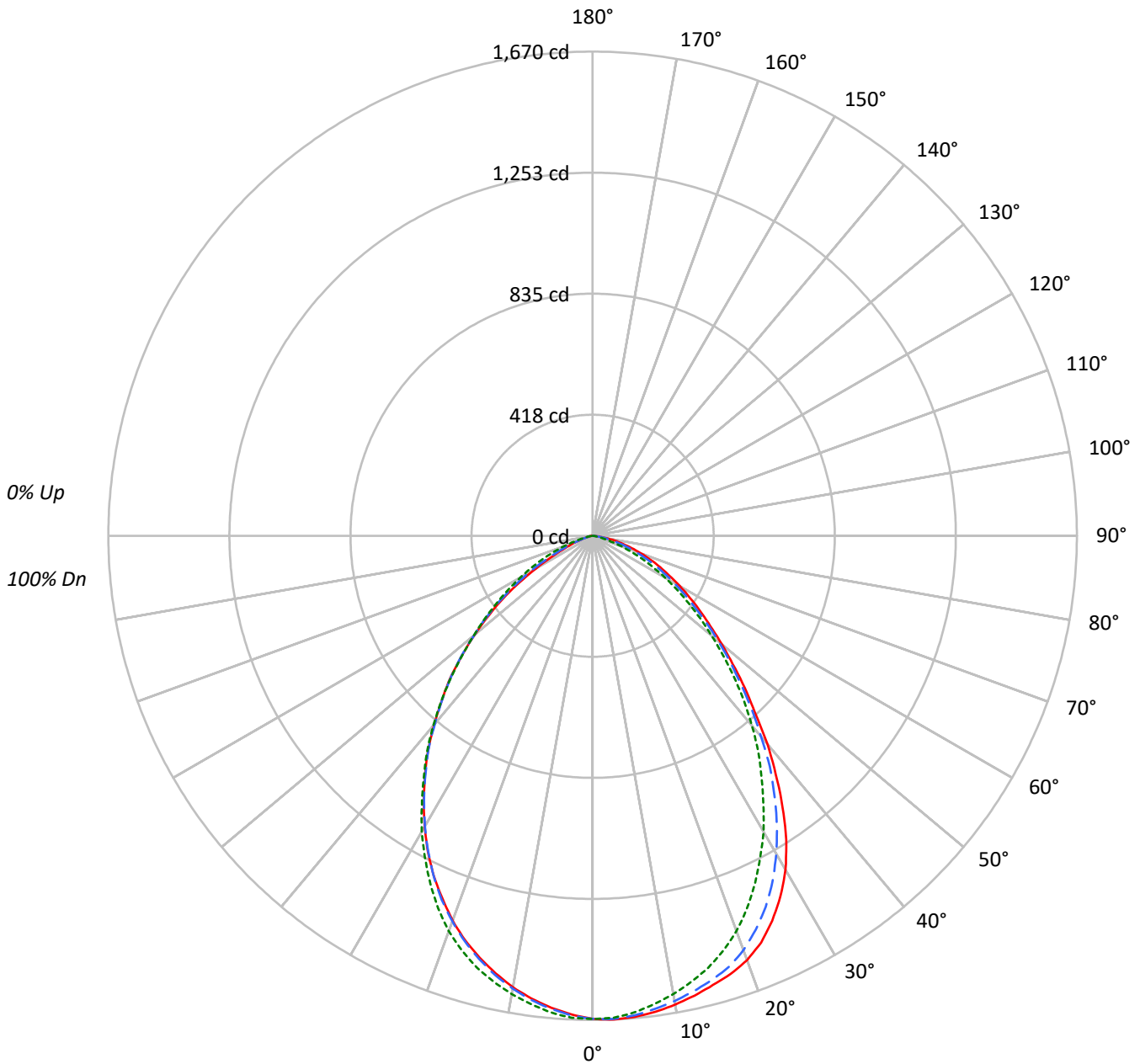
Lumens per Lamp: N/A
Luminaire Lumens: 3031.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	91347	91347	91347
5°	91668	90832	89940
10°	91387	89360	88052
15°	91045	87515	85477
20°	90839	84632	82374
25°	88626	80091	78331
30°	84209	74600	73359
35°	76433	67920	67472
40°	67061	61129	60807
45°	57494	53409	53843
50°	49491	45525	45286
55°	43258	38441	36080
60°	38012	31500	24625
65°	33272	24412	14826
70°	28370	16429	8703
75°	22897	8536	4745
80°	15911	3346	2652
85°	6353	1069	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.1	5.2
10°-20°	436.0	14.4
20°-30°	620.4	20.5
30°-40°	653.0	21.5
40°-50°	544.2	18.0
50°-60°	367.7	12.1
60°-70°	186.4	6.2
70°-80°	60.2	2.0
80°-90°	6.9	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°	1212.6	40.0
0°-40°	1865.6	61.6
0°-60°	2777.5	91.6
0°-90°	3031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3031.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1666	1666	1666	1666	1666	
5°	1666	1661	1651	1638	1634	158
15°	1604	1587	1542	1511	1506	453
25°	1465	1412	1324	1297	1295	672
35°	1142	1093	1015	1005	1008	711
45°	742	722	689	692	694	574
55°	453	431	402	390	378	407
65°	256	231	188	136	114	255
75°	108	85	40	22	22	117
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°	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3
2.5°	1670.3	1670.3	1670.3	1670.3	1670.3	1670.3	1669.7	1669.7	1668.6	1668.6	1668.0
5°	1665.8	1666.3	1666.3	1665.8	1665.8	1664.6	1664.6	1664.1	1662.4	1661.3	1660.7
7.5°	1656.2	1656.2	1655.7	1655.1	1654.6	1652.9	1652.3	1650.6	1649.5	1648.4	1646.2
10°	1641.7	1641.7	1641.1	1640.0	1639.4	1638.3	1638.3	1636.1	1633.8	1631.0	1629.4
12.5°	1624.3	1624.9	1623.8	1623.2	1621.5	1621.0	1619.8	1617.0	1615.4	1612.0	1609.2
15°	1604.2	1605.3	1605.3	1603.0	1601.4	1600.8	1599.1	1597.4	1593.5	1590.2	1586.8
17.5°	1584.6	1585.7	1584.6	1582.9	1581.2	1579.0	1577.8	1574.5	1569.4	1564.9	1559.9
20°	1557.1	1558.8	1556.5	1553.7	1550.4	1549.8	1548.1	1542.5	1535.3	1528.5	1521.3
22.5°	1518.5	1517.3	1515.7	1514.5	1508.9	1505.6	1503.3	1496.1	1488.2	1479.3	1470.3
25°	1465.2	1467.5	1464.1	1459.1	1456.3	1452.9	1447.3	1439.5	1432.2	1422.7	1412.0
27.5°	1402.5	1402.5	1398.0	1396.4	1390.2	1385.7	1382.9	1375.1	1365.6	1356.0	1344.3
30°	1330.3	1326.9	1326.9	1319.1	1314.0	1312.3	1309.5	1296.7	1288.3	1278.2	1266.4
32.5°	1242.9	1242.3	1240.1	1235.0	1228.3	1222.7	1222.7	1213.8	1202.6	1190.2	1183.0
35°	1142.1	1142.6	1141.5	1135.9	1135.9	1129.2	1128.1	1120.2	1111.3	1101.7	1092.8
37.5°	1037.9	1040.1	1037.9	1035.1	1033.4	1032.8	1027.8	1022.2	1015.5	1009.9	1003.2
40°	937.1	933.7	934.8	929.2	929.8	928.7	926.4	919.1	915.2	909.6	902.3
42.5°	828.4	831.8	832.9	829.5	828.4	826.2	828.4	825.6	821.1	818.3	811.6
45°	741.6	738.2	739.9	738.8	739.3	734.9	733.2	732.1	730.4	725.3	722.5
47.5°	655.3	655.9	655.3	653.1	652.0	652.0	649.7	646.4	646.4	643.0	640.8
50°	580.3	580.3	581.4	578.6	577.5	575.2	575.8	572.4	570.2	567.4	565.7
52.5°	511.4	511.9	509.7	510.3	509.1	509.1	506.9	504.7	502.4	497.4	496.3
55°	452.6	453.1	450.3	451.4	448.1	446.4	445.3	441.9	441.9	436.9	430.7
57.5°	397.7	397.1	396.6	394.9	392.6	391.0	389.3	385.4	383.7	380.3	375.3
60°	346.7	346.1	345.0	344.5	342.8	338.9	338.9	336.1	330.5	327.1	322.1
62.5°	298.5	298.5	298.0	296.3	294.6	292.9	291.8	289.6	284.0	280.1	275.6
65°	256.5	256.0	254.3	251.5	250.4	250.4	246.4	244.8	240.3	236.4	231.3
67.5°	216.2	214.0	212.8	213.4	210.0	210.0	206.7	203.9	200.0	193.2	189.3
70°	177.0	175.9	174.8	173.6	173.1	170.8	169.2	165.8	161.9	156.8	150.7
72.5°	141.7	141.7	140.0	138.9	137.2	135.0	133.9	131.1	126.6	121.0	116.5
75°	108.1	108.1	108.1	105.9	104.7	103.6	100.3	98.6	93.5	90.2	84.6
77.5°	79.5	78.4	76.7	76.2	75.1	73.9	72.3	69.5	65.0	61.1	57.7
80°	50.4	52.1	50.4	50.4	47.6	46.5	45.9	42.6	40.9	37.5	34.7
82.5°	28.0	28.6	27.4	26.9	25.2	24.6	24.6	22.4	21.3	19.0	17.4
85°	10.1	10.6	10.1	10.1	9.0	9.5	9.0	8.4	7.3	6.2	5.6
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3
2.5°	1668.0	1666.9	1666.9	1666.3	1665.8	1665.8	1665.8	1665.2	1664.1	1664.1	1663.5
5°	1659.6	1658.5	1656.8	1655.7	1655.1	1654.6	1654.0	1653.4	1651.2	1650.6	1649.0
7.5°	1644.5	1643.4	1640.6	1639.4	1637.8	1637.2	1635.0	1633.8	1631.6	1629.4	1628.2
10°	1626.6	1623.8	1621.5	1618.7	1617.6	1615.9	1613.1	1609.8	1608.1	1605.3	1603.0
12.5°	1606.4	1603.0	1598.6	1595.2	1594.1	1591.3	1586.8	1584.0	1580.1	1575.6	1571.7
15°	1581.2	1577.3	1573.4	1567.2	1565.5	1562.1	1557.7	1552.1	1546.5	1542.0	1537.5
17.5°	1553.7	1547.6	1541.4	1534.7	1529.7	1528.0	1520.7	1512.9	1507.8	1500.0	1494.9
20°	1515.1	1506.7	1496.6	1489.9	1485.4	1480.4	1472.0	1463.6	1457.4	1450.7	1443.4
22.5°	1461.9	1454.0	1442.3	1432.2	1428.8	1421.6	1414.3	1406.4	1398.6	1391.3	1382.4
25°	1399.2	1390.8	1379.0	1368.9	1363.3	1359.9	1345.9	1338.1	1330.3	1324.1	1317.9
27.5°	1334.7	1319.6	1311.8	1296.1	1291.1	1289.9	1277.1	1268.7	1260.2	1251.8	1244.0
30°	1255.2	1243.4	1231.7	1220.5	1213.8	1209.8	1200.3	1189.7	1184.1	1178.5	1170.6
32.5°	1172.9	1162.2	1147.7	1137.0	1132.0	1126.4	1118.0	1110.7	1102.3	1096.1	1094.5
35°	1084.9	1073.2	1060.8	1053.0	1051.9	1045.2	1036.8	1030.6	1024.4	1014.9	1013.2
37.5°	990.8	984.1	975.7	964.5	959.5	959.5	951.1	946.6	938.7	938.2	933.7
40°	898.4	895.6	882.7	879.4	878.3	870.4	868.2	860.3	854.7	854.2	847.4
42.5°	807.1	799.8	797.6	792.0	787.0	785.8	780.8	777.4	775.2	771.8	768.5
45°	716.4	714.7	709.1	705.2	703.5	701.3	699.6	692.9	691.7	688.9	687.3
47.5°	638.0	633.5	628.4	624.0	623.4	620.0	616.1	616.1	610.0	609.4	608.3
50°	560.1	556.8	553.9	547.8	548.9	544.4	543.9	538.8	536.0	533.8	536.6
52.5°	491.8	485.1	483.9	478.9	477.2	477.8	471.6	469.9	468.8	466.6	465.5
55°	426.8	423.4	419.0	415.6	412.8	410.0	407.8	407.8	401.6	402.2	399.4
57.5°	369.7	366.9	361.3	356.2	355.1	351.7	348.9	346.1	345.6	341.7	338.9
60°	318.7	313.7	306.4	304.1	300.8	298.0	295.2	291.8	290.1	287.3	282.3
62.5°	271.1	262.7	259.9	255.4	251.5	249.8	245.3	241.4	238.6	234.7	230.8
65°	225.7	219.6	214.5	209.5	208.9	204.4	200.5	197.2	191.6	188.2	180.9
67.5°	184.3	178.7	173.1	168.0	164.1	163.0	156.8	152.9	149.0	142.3	136.1
70°	146.2	140.6	136.1	129.9	128.3	123.8	119.3	115.4	108.7	102.5	97.5
72.5°	111.5	105.3	100.3	95.8	93.0	89.1	84.6	80.1	73.4	67.2	62.7
75°	79.5	75.1	70.0	65.5	63.3	61.1	56.0	51.0	46.5	40.3	36.4
77.5°	53.8	49.3	44.8	40.9	38.1	36.4	33.0	29.1	25.2	21.8	19.0
80°	31.4	28.6	25.2	21.8	21.3	19.6	16.8	14.6	12.3	10.6	8.4
82.5°	15.1	13.4	11.2	9.5	8.4	7.8	6.7	5.6	4.5	3.9	3.9
85°	4.5	3.9	3.4	2.8	2.2	2.2	1.7	1.7	1.7	1.7	1.7
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3
2.5°	1661.8	1661.3	1660.7	1660.2	1659.0	1659.0	1657.4	1656.2	1656.2	1655.1	1654.6
5°	1647.3	1645.6	1645.0	1643.9	1642.8	1642.2	1640.0	1639.4	1638.3	1637.2	1637.2
7.5°	1626.6	1624.3	1622.1	1621.0	1620.4	1618.7	1617.6	1617.0	1615.4	1614.2	1612.0
10°	1599.1	1597.4	1594.6	1593.5	1592.4	1591.3	1588.5	1586.8	1586.2	1585.1	1584.0
12.5°	1567.2	1564.9	1562.1	1559.9	1558.8	1557.1	1554.3	1552.6	1552.6	1550.4	1550.4
15°	1533.0	1529.7	1524.6	1522.4	1521.8	1518.5	1516.2	1514.0	1511.2	1510.1	1510.1
17.5°	1489.3	1483.7	1479.3	1479.3	1477.0	1473.7	1470.3	1468.6	1466.9	1464.7	1463.6
20°	1437.8	1433.9	1428.8	1428.8	1423.8	1422.7	1419.3	1418.8	1414.8	1415.4	1413.7
22.5°	1375.6	1373.4	1370.6	1368.4	1365.6	1362.2	1360.5	1361.1	1359.4	1358.8	1358.3
25°	1312.9	1306.7	1303.4	1302.3	1301.1	1298.3	1297.2	1296.7	1296.7	1295.0	1295.5
27.5°	1240.6	1236.2	1231.7	1233.4	1231.1	1229.4	1228.3	1226.6	1227.8	1227.2	1227.8
30°	1166.7	1161.1	1158.3	1159.4	1158.9	1154.4	1156.6	1156.1	1156.6	1156.6	1157.7
32.5°	1088.9	1084.9	1084.4	1084.9	1079.9	1080.5	1078.2	1081.6	1082.1	1085.5	1082.7
35°	1009.9	1007.6	1003.7	1003.2	1003.7	1003.2	1003.2	1005.4	1004.8	1008.2	1007.1
37.5°	928.7	927.5	923.6	924.7	922.5	926.4	927.5	926.4	930.3	929.2	928.7
40°	849.1	847.4	845.2	849.7	846.9	844.6	848.6	845.2	846.3	849.7	849.7
42.5°	768.5	765.7	765.7	765.7	765.1	765.1	766.8	768.5	767.4	767.9	772.4
45°	687.3	686.7	685.0	686.1	685.6	688.4	688.4	689.5	691.7	694.0	692.9
47.5°	608.8	607.7	609.4	608.3	608.8	607.2	608.3	611.6	614.4	610.5	614.4
50°	535.5	533.2	532.7	534.3	533.8	533.2	534.3	534.3	533.2	533.2	537.1
52.5°	465.5	463.2	461.5	464.3	462.7	463.2	461.0	461.0	462.1	461.0	459.3
55°	399.9	398.2	396.0	397.1	394.3	393.8	391.5	391.5	389.8	388.7	385.4
57.5°	337.2	336.1	331.0	330.5	331.0	327.1	323.2	321.5	317.0	315.9	315.3
60°	281.7	275.6	272.8	269.4	267.2	265.5	261.0	258.2	251.5	247.6	247.0
62.5°	224.0	221.2	217.9	212.8	211.7	206.1	201.6	194.4	191.0	186.0	180.9
65°	177.6	170.3	165.2	162.4	158.0	152.9	147.9	140.0	136.1	129.9	124.9
67.5°	129.9	123.8	117.1	114.8	110.9	104.7	99.7	93.0	89.6	84.0	82.3
70°	89.1	83.5	78.4	75.1	72.3	66.1	61.1	58.8	55.5	54.3	54.3
72.5°	57.1	52.1	46.5	44.8	42.6	39.2	35.8	34.7	35.8	35.3	35.3
75°	31.9	29.1	25.2	23.5	23.5	22.4	21.8	21.8	21.8	21.8	21.8
77.5°	16.2	14.6	13.4	12.9	12.9	12.9	13.4	13.4	13.4	14.0	13.4
80°	7.8	7.3	7.3	7.3	7.8	7.8	7.8	7.8	7.8	8.4	7.8
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	4.5	4.5	4.5	4.5	4.5
85°	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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: P684237

CATALOG NUMBER: LX6C35D010 EX6C359050 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3	1666.3
2.5°	1654.0	1652.9	1652.9	1652.3	1652.3	1652.3	1652.3	1652.9
5°	1636.1	1635.5	1635.5	1634.4	1634.4	1634.4	1634.4	1634.4
7.5°	1612.0	1610.9	1611.4	1610.3	1610.3	1610.9	1610.3	1609.8
10°	1582.3	1581.8	1582.3	1582.3	1581.2	1580.6	1581.2	1581.8
12.5°	1548.7	1548.1	1547.0	1547.6	1547.6	1547.0	1546.5	1545.3
15°	1509.5	1508.9	1508.4	1507.8	1507.3	1507.8	1507.3	1506.1
17.5°	1463.6	1463.6	1463.0	1462.4	1461.9	1460.8	1461.3	1463.0
20°	1414.3	1413.7	1412.6	1413.2	1410.9	1409.8	1410.4	1412.0
22.5°	1357.7	1356.0	1357.1	1355.5	1355.5	1356.0	1355.5	1354.3
25°	1296.1	1293.9	1295.0	1295.5	1295.5	1295.0	1294.4	1295.0
27.5°	1227.8	1229.4	1229.4	1228.3	1230.0	1227.8	1228.9	1229.4
30°	1157.7	1156.1	1155.5	1157.7	1161.1	1158.3	1158.3	1158.9
32.5°	1085.5	1083.3	1083.3	1084.4	1083.8	1083.8	1086.1	1083.3
35°	1008.2	1009.3	1004.8	1007.6	1008.8	1007.6	1008.2	1008.2
37.5°	930.3	929.2	929.2	929.2	930.9	930.9	932.0	931.5
40°	853.6	851.4	850.8	851.9	849.7	851.4	851.4	849.7
42.5°	770.7	771.3	774.1	771.3	771.8	771.3	770.2	769.6
45°	694.0	695.7	694.5	694.0	694.5	692.3	692.9	694.5
47.5°	612.8	616.1	612.8	615.0	614.4	613.3	612.2	610.0
50°	536.6	537.7	537.1	536.6	536.0	535.5	532.7	531.0
52.5°	458.7	458.7	458.7	458.7	453.1	455.9	454.8	451.4
55°	382.6	384.2	382.0	382.0	378.1	378.1	377.0	377.5
57.5°	309.2	307.5	305.8	305.8	301.9	300.2	298.5	296.3
60°	240.8	239.2	236.9	234.1	230.2	230.2	229.1	224.6
62.5°	176.4	173.6	172.0	169.7	166.4	164.1	162.4	163.6
65°	121.0	118.2	115.9	115.9	115.9	114.8	114.3	114.3
67.5°	79.5	81.2	80.1	81.2	81.2	80.1	79.5	80.7
70°	54.9	54.9	54.3	54.3	54.3	54.3	53.8	54.3
72.5°	35.3	35.3	35.3	35.8	35.3	35.3	35.8	35.8
75°	22.4	22.4	22.4	23.0	22.4	22.4	23.0	22.4
77.5°	13.4	14.0	14.0	14.0	14.0	13.4	14.0	14.0
80°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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)