

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: P684208

Luminaire Tested: **LX6C30D010 EX6C309730 6LCSWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252284)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C30D010 EX6C309730 6LCSWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

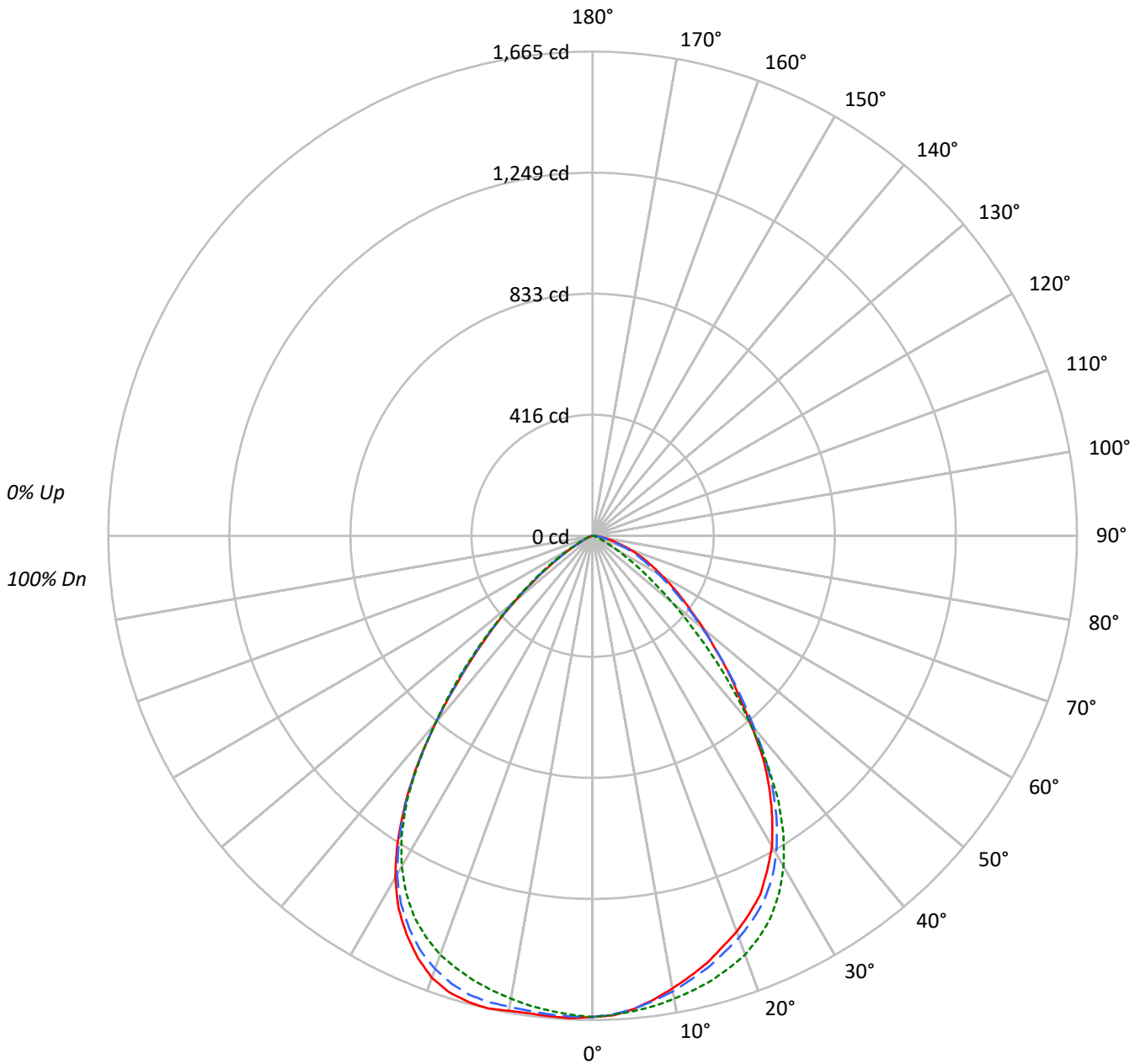
Lumens per Lamp: N/A
Luminaire Lumens: 2776.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80																			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72																			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64																			
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58																			
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47																			
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43																			
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40																			
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	90711	90711	90711
5°	89847	90282	91278
10°	87997	89995	92333
15°	86312	89825	94138
20°	84521	89415	94316
25°	82438	87634	91499
30°	78050	83108	85893
35°	70878	74492	75161
40°	60492	60206	59919
45°	50811	45082	43687
50°	42438	30506	28971
55°	35717	18714	17003
60°	30239	9868	8541
65°	26177	5189	4138
70°	21783	3206	2244
75°	16097	2118	1271
80°	12628	1263	631
85°	10064	1258	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	5.6
10°-20°	446.5	16.1
20°-30°	659.3	23.8
30°-40°	679.5	24.5
40°-50°	469.3	16.9
50°-60°	231.3	8.3
60°-70°	93.7	3.4
70°-80°	33.4	1.2
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°	1261.8	45.5
0°-40°	1941.3	69.9
0°-60°	2641.9	95.2
0°-90°	2776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2776.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1655	1655	1655	1655	1655	
5°	1633	1633	1641	1653	1659	154
15°	1521	1537	1583	1635	1659	428
25°	1363	1389	1449	1491	1513	623
35°	1059	1085	1113	1119	1123	656
45°	655	659	582	574	564	507
55°	374	360	196	184	178	338
65°	202	182	40	32	32	200
75°	76	64	10	6	6	85
85°	16	12	2	0	0	20
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°	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7
2.5°	1650.6	1644.7	1648.7	1640.6	1650.6	1640.6	1642.7	1644.7	1642.7	1644.7	1646.7
5°	1632.7	1626.7	1632.7	1622.7	1632.7	1626.7	1626.7	1628.7	1628.7	1630.6	1632.7
7.5°	1608.7	1602.7	1608.7	1598.7	1610.7	1604.7	1604.7	1608.7	1606.7	1608.7	1612.7
10°	1580.8	1572.7	1578.7	1572.7	1584.7	1576.7	1580.8	1580.8	1580.8	1586.7	1590.7
12.5°	1550.8	1542.7	1550.8	1540.8	1552.7	1546.8	1548.7	1554.7	1556.7	1560.8	1562.7
15°	1520.8	1510.8	1514.8	1508.8	1520.8	1514.8	1516.8	1524.8	1524.8	1530.8	1536.8
17.5°	1482.8	1474.8	1482.8	1474.8	1484.8	1480.8	1484.8	1490.8	1490.8	1496.8	1502.7
20°	1448.8	1440.8	1446.8	1440.8	1452.8	1446.8	1448.8	1456.8	1458.8	1464.8	1470.8
22.5°	1406.9	1400.8	1404.8	1398.9	1410.8	1406.9	1408.9	1416.9	1418.9	1422.9	1432.9
25°	1362.9	1350.9	1356.9	1352.9	1364.9	1358.9	1362.9	1370.9	1374.9	1380.9	1388.9
27.5°	1298.9	1292.9	1296.9	1296.9	1306.9	1301.0	1302.9	1311.0	1316.9	1322.9	1332.9
30°	1233.0	1223.0	1227.0	1229.0	1237.0	1233.0	1237.0	1245.0	1247.0	1255.0	1262.9
32.5°	1149.1	1145.0	1153.1	1149.1	1153.1	1153.1	1155.0	1161.0	1165.0	1169.1	1179.1
35°	1059.1	1051.2	1059.1	1055.2	1065.2	1059.1	1065.2	1071.2	1071.2	1079.1	1085.1
37.5°	961.2	951.2	955.2	955.2	959.2	957.2	957.2	967.2	969.2	975.2	981.2
40°	845.3	841.3	849.3	847.3	849.3	849.3	851.3	857.3	861.3	863.3	865.3
42.5°	741.4	743.4	745.4	745.4	745.4	745.4	745.4	753.4	751.4	757.4	759.4
45°	655.4	647.5	651.5	649.5	655.4	649.5	655.4	661.5	657.5	663.5	659.4
47.5°	567.5	567.5	567.5	565.6	569.6	567.5	571.5	573.5	573.5	573.5	571.5
50°	497.6	491.6	493.6	493.6	495.6	493.6	497.6	499.6	499.6	495.6	487.6
52.5°	429.6	427.7	427.7	431.7	431.7	429.6	429.6	429.6	429.6	423.7	419.6
55°	373.7	369.7	371.7	371.7	371.7	371.7	373.7	371.7	371.7	365.7	359.7
57.5°	323.7	319.8	319.8	319.8	321.7	319.8	319.8	319.8	317.7	311.7	303.8
60°	275.8	273.8	275.8	275.8	277.7	275.8	275.8	275.8	271.8	265.8	257.8
62.5°	235.8	235.8	235.8	237.8	237.8	235.8	235.8	233.8	231.8	223.8	215.8
65°	201.8	199.8	201.8	201.8	203.8	203.8	201.8	199.8	197.9	189.8	181.9
67.5°	167.9	165.9	167.9	167.9	169.8	167.9	167.9	167.9	161.9	157.9	149.8
70°	135.9	133.9	133.9	133.9	135.9	131.9	133.9	133.9	129.9	123.9	115.9
72.5°	103.9	103.9	103.9	103.9	103.9	103.9	101.9	101.9	97.9	91.9	87.9
75°	76.0	76.0	77.9	77.9	76.0	76.0	76.0	73.9	71.9	67.9	64.0
77.5°	56.0	56.0	56.0	56.0	54.0	54.0	54.0	51.9	50.0	47.9	44.0
80°	40.0	40.0	40.0	38.0	40.0	38.0	38.0	38.0	34.0	31.9	30.0
82.5°	28.0	26.0	26.0	26.0	26.0	26.0	26.0	24.0	24.0	22.0	20.0
85°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	14.0	12.0	12.0
87.5°	8.0	10.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0	8.0	6.0
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°	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7
2.5°	1646.7	1646.7	1650.6	1644.7	1654.7	1648.7	1646.7	1656.7	1650.6	1648.7	1652.7
5°	1632.7	1634.7	1636.7	1632.7	1642.7	1636.7	1636.7	1646.7	1642.7	1640.6	1646.7
7.5°	1614.7	1616.7	1620.7	1618.7	1626.7	1622.7	1624.7	1634.7	1630.6	1630.6	1636.7
10°	1592.7	1596.7	1600.7	1600.7	1610.7	1606.7	1606.7	1618.7	1614.7	1616.7	1624.7
12.5°	1566.7	1572.7	1578.7	1580.8	1590.7	1584.7	1586.7	1600.7	1598.7	1600.7	1608.7
15°	1538.7	1546.8	1552.7	1552.7	1564.7	1558.7	1564.7	1578.7	1574.7	1582.7	1592.7
17.5°	1506.8	1514.8	1522.7	1524.8	1536.8	1532.7	1540.8	1554.7	1554.7	1558.7	1570.8
20°	1476.8	1486.8	1490.8	1496.8	1508.8	1506.8	1510.8	1526.8	1526.8	1532.7	1544.8
22.5°	1436.8	1446.8	1454.8	1460.8	1470.8	1470.8	1476.8	1490.8	1490.8	1494.8	1506.8
25°	1392.9	1404.8	1410.8	1416.9	1426.8	1424.8	1430.8	1442.9	1444.8	1448.8	1460.8
27.5°	1336.9	1346.9	1354.9	1358.9	1372.9	1364.9	1370.9	1384.9	1382.9	1386.9	1396.9
30°	1267.0	1277.0	1285.0	1285.0	1296.9	1296.9	1302.9	1308.9	1308.9	1312.9	1321.0
32.5°	1185.0	1197.0	1197.0	1203.1	1211.0	1203.1	1211.0	1219.0	1215.0	1221.0	1227.0
35°	1091.1	1097.1	1099.1	1099.1	1105.1	1103.1	1101.1	1107.1	1103.1	1113.1	1119.1
37.5°	977.2	985.2	981.2	985.2	983.2	977.2	977.2	987.2	979.2	981.2	987.2
40°	867.3	867.3	865.3	855.3	857.3	851.3	849.3	851.3	843.3	841.3	849.3
42.5°	753.4	751.4	745.4	731.4	733.4	723.4	715.4	715.4	711.4	709.4	711.4
45°	651.5	645.5	635.5	619.5	615.5	607.5	591.5	587.5	581.5	581.5	583.5
47.5°	557.5	549.6	533.6	515.6	505.6	495.6	479.6	473.6	463.6	459.6	463.6
50°	479.6	465.6	445.6	419.6	409.6	397.7	381.7	371.7	361.7	357.7	355.7
52.5°	407.7	387.7	367.7	335.8	327.7	315.8	293.8	283.8	273.8	265.8	265.8
55°	345.7	327.7	299.8	269.8	257.8	245.8	223.8	209.8	199.8	195.8	191.9
57.5°	289.8	269.8	243.8	211.8	199.8	187.9	165.9	151.9	141.9	135.9	131.9
60°	243.8	221.8	195.8	167.9	153.9	141.9	119.9	105.9	95.9	90.0	85.9
62.5°	199.8	181.9	155.9	129.9	117.9	105.9	87.9	73.9	64.0	60.0	54.0
65°	167.9	149.8	125.9	103.9	93.9	81.9	66.0	54.0	46.0	40.0	36.0
67.5°	135.9	121.9	101.9	81.9	71.9	64.0	50.0	40.0	31.9	28.0	26.0
70°	107.9	93.9	77.9	61.9	56.0	47.9	38.0	28.0	24.0	20.0	18.0
72.5°	80.0	70.0	57.9	46.0	40.0	36.0	26.0	22.0	16.0	14.0	12.0
75°	57.9	50.0	41.9	31.9	28.0	26.0	20.0	14.0	12.0	10.0	8.0
77.5°	40.0	36.0	28.0	22.0	20.0	18.0	14.0	10.0	8.0	6.0	6.0
80°	26.0	22.0	18.0	14.0	14.0	12.0	8.0	6.0	6.0	4.0	4.0
82.5°	16.0	14.0	12.0	10.0	8.0	8.0	6.0	4.0	4.0	2.0	2.0
85°	10.0	8.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0
87.5°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	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°	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7
2.5°	1652.7	1652.7	1656.7	1650.6	1654.7	1654.7	1658.7	1650.6	1654.7	1656.7	1660.6
5°	1644.7	1646.7	1650.6	1648.7	1650.6	1650.6	1654.7	1644.7	1652.7	1652.7	1658.7
7.5°	1636.7	1636.7	1640.6	1638.7	1642.7	1644.7	1648.7	1640.6	1648.7	1648.7	1654.7
10°	1626.7	1626.7	1632.7	1630.6	1636.7	1638.7	1644.7	1636.7	1644.7	1646.7	1652.7
12.5°	1612.7	1614.7	1620.7	1620.7	1626.7	1630.6	1636.7	1632.7	1642.7	1644.7	1652.7
15°	1596.7	1600.7	1608.7	1606.7	1612.7	1618.7	1626.7	1620.7	1634.7	1638.7	1646.7
17.5°	1576.7	1580.8	1586.7	1586.7	1592.7	1596.7	1606.7	1602.7	1614.7	1616.7	1626.7
20°	1546.8	1552.7	1560.8	1558.7	1564.7	1568.7	1576.7	1572.7	1584.7	1588.7	1598.7
22.5°	1510.8	1514.8	1520.8	1520.8	1526.8	1530.8	1538.7	1532.7	1544.8	1546.8	1554.7
25°	1462.8	1466.8	1470.8	1472.8	1478.8	1480.8	1484.8	1480.8	1490.8	1492.8	1502.7
27.5°	1400.8	1402.9	1408.9	1408.9	1412.9	1414.8	1420.8	1412.9	1426.8	1426.8	1432.9
30°	1326.9	1324.9	1332.9	1328.9	1332.9	1332.9	1338.9	1334.9	1344.9	1341.0	1346.9
32.5°	1229.0	1233.0	1233.0	1229.0	1237.0	1235.0	1235.0	1231.0	1237.0	1239.0	1243.0
35°	1115.1	1121.1	1121.1	1123.1	1125.1	1119.1	1121.1	1109.1	1119.1	1121.1	1123.1
37.5°	991.2	985.2	989.2	983.2	993.2	981.2	981.2	973.2	981.2	981.2	983.2
40°	849.3	847.3	851.3	847.3	845.3	843.3	839.3	833.3	841.3	837.3	843.3
42.5°	715.4	713.4	713.4	709.4	707.4	707.4	703.5	699.4	697.5	697.5	707.4
45°	577.5	581.5	577.5	575.6	579.5	575.6	577.5	569.6	573.5	569.6	573.5
47.5°	461.6	463.6	459.6	455.6	461.6	455.6	455.6	449.6	457.7	457.7	453.6
50°	357.7	355.7	351.7	355.7	353.7	353.7	353.7	347.7	351.7	345.7	349.7
52.5°	263.8	261.8	261.8	259.8	261.8	259.8	259.8	257.8	257.8	255.8	257.8
55°	191.9	189.8	185.8	185.8	185.8	187.9	185.8	183.9	183.9	181.9	183.9
57.5°	129.9	125.9	125.9	125.9	125.9	123.9	123.9	121.9	123.9	121.9	123.9
60°	83.9	83.9	80.0	80.0	80.0	80.0	80.0	77.9	80.0	80.0	80.0
62.5°	51.9	51.9	50.0	47.9	50.0	47.9	47.9	47.9	50.0	47.9	50.0
65°	34.0	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
67.5°	24.0	22.0	22.0	22.0	22.0	22.0	22.0	20.0	22.0	22.0	22.0
70°	16.0	16.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
72.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
75°	8.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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: P684208

CATALOG NUMBER: LX6C30D010 EX6C309730 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7
2.5°	1654.7	1656.7	1652.7	1654.7	1650.6	1654.7	1656.7	1660.6
5°	1650.6	1652.7	1648.7	1652.7	1648.7	1652.7	1654.7	1658.7
7.5°	1646.7	1650.6	1646.7	1650.6	1646.7	1650.6	1652.7	1656.7
10°	1646.7	1652.7	1648.7	1654.7	1648.7	1652.7	1656.7	1658.7
12.5°	1646.7	1652.7	1650.6	1654.7	1652.7	1656.7	1660.6	1664.6
15°	1642.7	1648.7	1644.7	1650.6	1648.7	1650.6	1658.7	1658.7
17.5°	1620.7	1626.7	1626.7	1630.6	1630.6	1636.7	1640.6	1644.7
20°	1592.7	1598.7	1596.7	1602.7	1602.7	1608.7	1612.7	1616.7
22.5°	1550.8	1558.7	1556.7	1562.7	1560.8	1564.7	1572.7	1570.8
25°	1496.8	1506.8	1504.8	1508.8	1506.8	1506.8	1510.8	1512.7
27.5°	1430.8	1436.8	1434.8	1438.9	1434.8	1438.9	1442.9	1444.8
30°	1344.9	1348.9	1346.9	1348.9	1346.9	1350.9	1352.9	1356.9
32.5°	1241.0	1247.0	1241.0	1245.0	1243.0	1243.0	1251.0	1247.0
35°	1117.1	1119.1	1121.1	1121.1	1117.1	1119.1	1123.1	1123.1
37.5°	979.2	989.2	977.2	983.2	981.2	981.2	981.2	987.2
40°	835.4	837.3	833.3	833.3	833.3	831.3	839.3	837.3
42.5°	699.4	701.4	699.4	693.5	695.4	695.4	701.4	693.5
45°	567.5	571.5	569.6	569.6	565.6	565.6	567.5	563.5
47.5°	449.6	453.6	447.7	449.6	445.6	449.6	447.7	451.6
50°	341.7	345.7	343.7	345.7	345.7	341.7	347.7	339.7
52.5°	255.8	257.8	255.8	253.8	251.8	251.8	255.8	253.8
55°	181.9	179.8	179.8	179.8	181.9	181.9	179.8	177.9
57.5°	121.9	121.9	119.9	119.9	121.9	117.9	119.9	117.9
60°	77.9	77.9	77.9	77.9	76.0	77.9	77.9	77.9
62.5°	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
65°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
67.5°	20.0	22.0	22.0	22.0	20.0	20.0	20.0	20.0
70°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
72.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	2.0	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)