

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: P683982

Luminaire Tested: **LX6C120D010 EX6C1209050 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683982
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: LX6C120D010 EX6C1209050 6LCSWH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

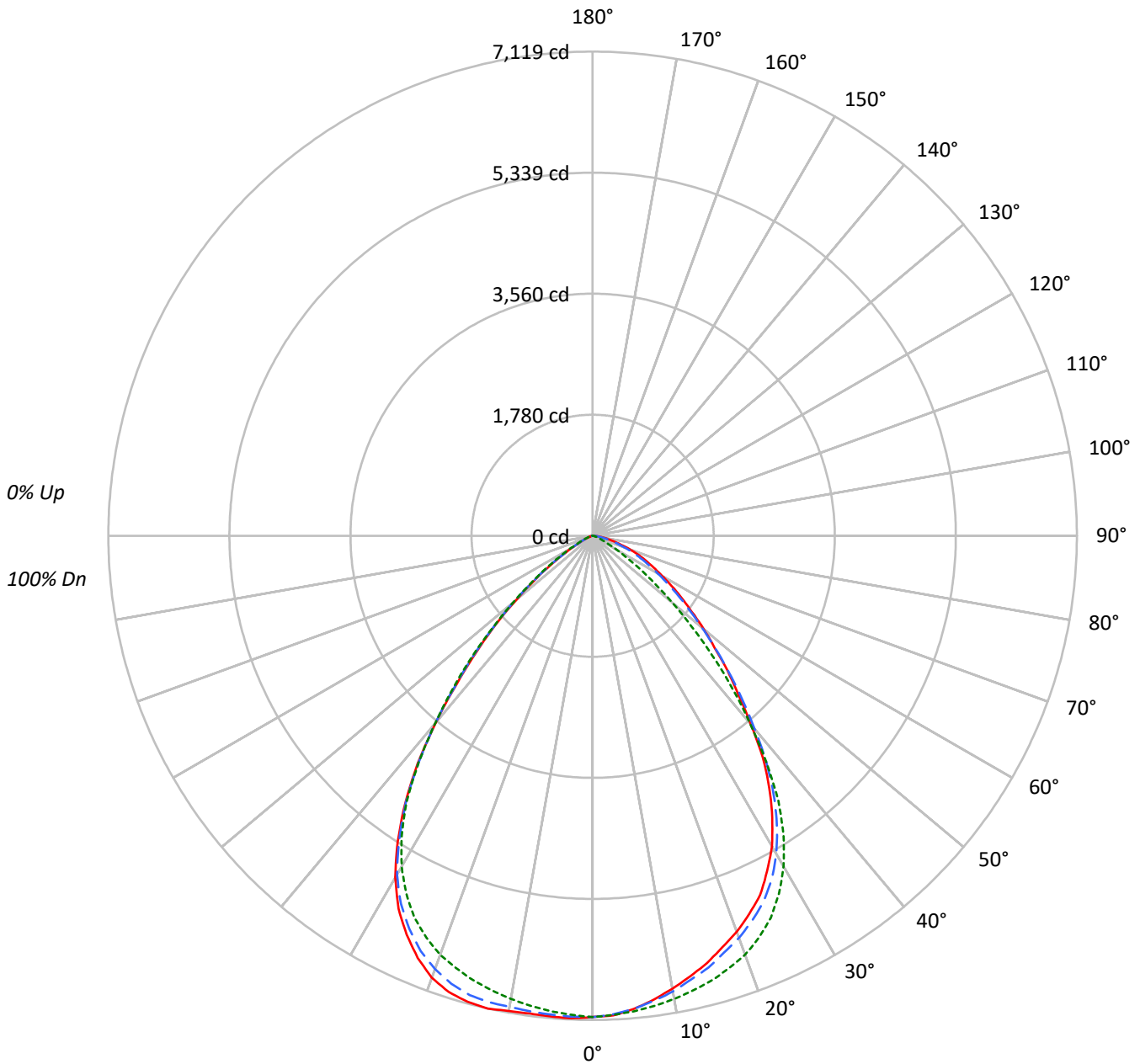
Lumens per Lamp: N/A
Luminaire Lumens: 11872.0 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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

TEST NUMBER: P683982

CATALOG NUMBER: LX6C120D010 EX6C1209050 6LCSWH

Luminous Intensity Polar Plot





TEST NUMBER: P683982

CATALOG NUMBER: LX6C120D010 EX6C1209050 6LCSWH

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°	387940	387940	387940
5°	384238	386115	390358
10°	376318	384874	394871
15°	369122	384151	402590
20°	361465	382408	403352
25°	352557	374780	391323
30°	333805	355428	367329
35°	303135	318581	321438
40°	258720	257475	256259
45°	217317	192803	186849
50°	181504	130469	123919
55°	152750	80045	72705
60°	129321	42179	36543
65°	111970	22181	17719
70°	93141	13704	9585
75°	68817	9044	5443
80°	53984	5367	2747
85°	43086	5472	0



TEST NUMBER: P683982

CATALOG NUMBER: LX6C120D010 EX6C1209050 6LCSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.9	5.6
10°-20°	1909.6	16.1
20°-30°	2819.8	23.8
30°-40°	2906.0	24.5
40°-50°	2007.1	16.9
50°-60°	989.3	8.3
60°-70°	400.9	3.4
70°-80°	142.9	1.2
80°-90°	29.6	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°	5396.2	45.5
0°-40°	8302.2	69.9
0°-60°	11298.7	95.2
0°-90°	11872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11872.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7077	7077	7077	7077	7077	
5°	6982	6982	7016	7068	7094	659
15°	6504	6572	6769	6991	7094	1831
25°	5829	5940	6196	6376	6470	2665
35°	4530	4641	4760	4786	4803	2807
45°	2803	2820	2487	2453	2410	2167
55°	1598	1538	838	786	761	1444
65°	863	778	171	137	137	857
75°	325	274	43	26	26	365
85°	68	51	9	0	0	84
90°	0	0	0	0	0	



TEST NUMBER: P683982

CATALOG NUMBER: LX6C120D010 EX6C1209050 6LCSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6
2.5°	7059.2	7033.8	7050.9	7016.5	7059.2	7016.5	7025.2	7033.8	7025.2	7033.8	7042.2
5°	6982.4	6956.7	6982.4	6939.7	6982.4	6956.7	6956.7	6965.4	6965.4	6973.7	6982.4
7.5°	6879.9	6854.2	6879.9	6837.1	6888.2	6862.9	6862.9	6879.9	6871.2	6879.9	6896.9
10°	6760.3	6725.9	6751.7	6725.9	6777.4	6743.0	6760.3	6760.3	6760.3	6785.7	6803.1
12.5°	6632.1	6597.7	6632.1	6589.4	6640.5	6615.1	6623.4	6649.1	6657.5	6674.8	6683.2
15°	6503.9	6461.1	6478.2	6452.4	6503.9	6478.2	6486.8	6520.9	6520.9	6546.6	6572.3
17.5°	6341.6	6307.2	6341.6	6307.2	6349.9	6332.9	6349.9	6375.6	6375.6	6401.3	6426.7
20°	6196.0	6161.9	6187.6	6161.9	6213.3	6187.6	6196.0	6230.4	6238.7	6264.4	6290.1
22.5°	6016.6	5990.9	6008.0	5982.6	6033.7	6016.6	6025.3	6059.4	6068.1	6085.1	6127.8
25°	5828.6	5777.2	5802.9	5785.9	5837.3	5811.6	5828.6	5862.7	5880.1	5905.4	5939.8
27.5°	5555.1	5529.4	5546.5	5546.5	5589.2	5563.8	5572.2	5606.6	5631.9	5657.7	5700.4
30°	5273.3	5230.5	5247.6	5255.9	5290.3	5273.3	5290.3	5324.4	5333.1	5367.1	5401.2
32.5°	4914.3	4896.9	4931.3	4914.3	4931.3	4931.3	4939.7	4965.4	4982.4	4999.8	5042.5
35°	4529.6	4495.5	4529.6	4512.6	4555.3	4529.6	4555.3	4581.0	4581.0	4615.1	4640.8
37.5°	4110.8	4068.1	4085.1	4085.1	4102.2	4093.8	4093.8	4136.5	4144.9	4170.6	4196.3
40°	3615.3	3597.9	3632.3	3623.6	3632.3	3632.3	3640.6	3666.4	3683.4	3692.1	3700.7
42.5°	3170.8	3179.1	3187.8	3187.8	3187.8	3187.8	3187.8	3221.9	3213.5	3239.2	3247.6
45°	2803.1	2769.1	2786.1	2777.7	2803.1	2777.7	2803.1	2828.8	2811.8	2837.5	2820.2
47.5°	2427.1	2427.1	2427.1	2418.7	2435.8	2427.1	2444.1	2452.8	2452.8	2452.8	2444.1
50°	2128.2	2102.5	2110.9	2110.9	2119.5	2110.9	2128.2	2136.6	2136.6	2119.5	2085.5
52.5°	1837.4	1829.0	1829.0	1846.0	1846.0	1837.4	1837.4	1837.4	1837.4	1812.0	1794.6
55°	1598.2	1581.2	1589.6	1589.6	1589.6	1589.6	1598.2	1589.6	1589.6	1563.9	1538.5
57.5°	1384.5	1367.5	1367.5	1367.5	1375.8	1367.5	1367.5	1367.5	1358.8	1333.1	1299.0
60°	1179.5	1170.8	1179.5	1179.5	1187.8	1179.5	1179.5	1179.5	1162.4	1136.7	1102.3
62.5°	1008.5	1008.5	1008.5	1016.9	1016.9	1008.5	1008.5	999.8	991.5	957.1	923.0
65°	863.2	854.6	863.2	863.2	871.6	871.6	863.2	854.6	846.2	811.8	777.8
67.5°	718.0	709.3	718.0	718.0	726.3	718.0	718.0	718.0	692.3	675.2	640.8
70°	581.1	572.7	572.7	572.7	581.1	564.0	572.7	572.7	555.7	530.0	495.6
72.5°	444.5	444.5	444.5	444.5	444.5	444.5	435.8	435.8	418.8	393.1	376.0
75°	324.9	324.9	333.3	333.3	324.9	324.9	324.9	316.2	307.6	290.5	273.5
77.5°	239.4	239.4	239.4	239.4	230.8	230.8	230.8	222.1	213.7	205.0	188.0
80°	171.0	171.0	171.0	162.3	171.0	162.3	162.3	162.3	145.3	136.6	128.2
82.5°	119.6	111.2	111.2	111.2	111.2	111.2	111.2	102.5	102.5	94.2	85.5
85°	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	59.8	51.4	51.4
87.5°	34.1	42.7	42.7	42.7	42.7	42.7	42.7	34.1	34.1	34.1	25.7
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: P683982

CATALOG NUMBER: LX6C120D010 EX6C1209050 6LCSWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6
2.5°	7042.2	7042.2	7059.2	7033.8	7076.6	7050.9	7042.2	7084.9	7059.2	7050.9	7067.9
5°	6982.4	6991.1	6999.4	6982.4	7025.2	6999.4	6999.4	7042.2	7025.2	7016.5	7042.2
7.5°	6905.6	6914.0	6931.0	6922.6	6956.7	6939.7	6948.3	6991.1	6973.7	6973.7	6999.4
10°	6811.4	6828.5	6845.8	6845.8	6888.2	6871.2	6871.2	6922.6	6905.6	6914.0	6948.3
12.5°	6700.2	6725.9	6751.7	6760.3	6803.1	6777.4	6785.7	6845.8	6837.1	6845.8	6879.9
15°	6580.7	6615.1	6640.5	6640.5	6691.9	6666.2	6691.9	6751.7	6734.6	6768.7	6811.4
17.5°	6444.1	6478.2	6512.2	6520.9	6572.3	6555.0	6589.4	6649.1	6649.1	6666.2	6717.6
20°	6315.9	6358.6	6375.6	6401.3	6452.4	6444.1	6461.1	6529.6	6529.6	6555.0	6606.4
22.5°	6144.9	6187.6	6221.7	6247.4	6290.1	6290.1	6315.9	6375.6	6375.6	6392.7	6444.1
25°	5956.9	6008.0	6033.7	6059.4	6102.1	6093.5	6119.2	6170.6	6178.9	6196.0	6247.4
27.5°	5717.4	5760.2	5794.6	5811.6	5871.4	5837.3	5862.7	5922.8	5914.1	5931.2	5973.9
30°	5418.5	5461.3	5495.4	5495.4	5546.5	5546.5	5572.2	5597.9	5597.9	5614.9	5649.3
32.5°	5067.9	5119.3	5119.3	5145.0	5179.1	5145.0	5179.1	5213.2	5196.1	5221.9	5247.6
35°	4666.2	4691.9	4700.6	4700.6	4726.3	4717.6	4708.9	4734.6	4717.6	4760.4	4786.1
37.5°	4179.3	4213.4	4196.3	4213.4	4204.7	4179.3	4179.3	4222.0	4187.6	4196.3	4222.0
40°	3709.1	3709.1	3700.7	3658.0	3666.4	3640.6	3632.3	3640.6	3606.6	3597.9	3632.3
42.5°	3221.9	3213.5	3187.8	3128.0	3136.4	3093.7	3059.6	3059.6	3042.6	3033.9	3042.6
45°	2786.1	2760.4	2717.6	2649.5	2632.1	2598.1	2529.6	2512.6	2486.9	2486.9	2495.6
47.5°	2384.4	2350.3	2281.8	2205.0	2162.3	2119.5	2051.1	2025.4	1982.6	1965.6	1982.6
50°	2051.1	1991.3	1905.8	1794.6	1751.9	1700.8	1632.3	1589.6	1546.8	1529.8	1521.1
52.5°	1743.5	1658.0	1572.5	1435.9	1401.6	1350.5	1256.3	1213.5	1170.8	1136.7	1136.7
55°	1478.4	1401.6	1282.0	1153.8	1102.3	1051.2	957.1	897.3	854.6	837.5	820.5
57.5°	1239.3	1153.8	1042.6	906.0	854.6	803.5	709.3	649.5	606.8	581.1	564.0
60°	1042.6	948.7	837.5	718.0	658.2	606.8	512.9	452.8	410.1	384.7	367.3
62.5°	854.6	777.8	666.6	555.7	504.3	452.8	376.0	316.2	273.5	256.5	230.8
65°	718.0	640.8	538.3	444.5	401.7	350.3	282.2	230.8	196.7	171.0	153.9
67.5°	581.1	521.3	435.8	350.3	307.6	273.5	213.7	171.0	136.6	119.6	111.2
70°	461.5	401.7	333.3	264.8	239.4	205.0	162.3	119.6	102.5	85.5	76.8
72.5°	342.0	299.2	247.8	196.7	171.0	153.9	111.2	94.2	68.5	59.8	51.4
75°	247.8	213.7	179.3	136.6	119.6	111.2	85.5	59.8	51.4	42.7	34.1
77.5°	171.0	153.9	119.6	94.2	85.5	76.8	59.8	42.7	34.1	25.7	25.7
80°	111.2	94.2	76.8	59.8	59.8	51.4	34.1	25.7	25.7	17.0	17.0
82.5°	68.5	59.8	51.4	42.7	34.1	34.1	25.7	17.0	17.0	8.7	8.7
85°	42.7	34.1	25.7	25.7	17.0	17.0	17.0	8.7	8.7	8.7	8.7
87.5°	17.0	17.0	17.0	8.7	8.7	8.7	8.7	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



TEST NUMBER: P683982

CATALOG NUMBER: LX6C120D010 EX6C1209050 6LCSWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6
2.5°	7067.9	7067.9	7084.9	7059.2	7076.6	7076.6	7093.6	7059.2	7076.6	7084.9	7102.0
5°	7033.8	7042.2	7059.2	7050.9	7059.2	7059.2	7076.6	7033.8	7067.9	7067.9	7093.6
7.5°	6999.4	6999.4	7016.5	7008.1	7025.2	7033.8	7050.9	7016.5	7050.9	7050.9	7076.6
10°	6956.7	6956.7	6982.4	6973.7	6999.4	7008.1	7033.8	6999.4	7033.8	7042.2	7067.9
12.5°	6896.9	6905.6	6931.0	6931.0	6956.7	6973.7	6999.4	6982.4	7025.2	7033.8	7067.9
15°	6828.5	6845.8	6879.9	6871.2	6896.9	6922.6	6956.7	6931.0	6991.1	7008.1	7042.2
17.5°	6743.0	6760.3	6785.7	6785.7	6811.4	6828.5	6871.2	6854.2	6905.6	6914.0	6956.7
20°	6615.1	6640.5	6674.8	6666.2	6691.9	6708.9	6743.0	6725.9	6777.4	6794.4	6837.1
22.5°	6461.1	6478.2	6503.9	6503.9	6529.6	6546.6	6580.7	6555.0	6606.4	6615.1	6649.1
25°	6256.1	6273.1	6290.1	6298.8	6324.2	6332.9	6349.9	6332.9	6375.6	6384.3	6426.7
27.5°	5990.9	5999.6	6025.3	6025.3	6042.4	6050.7	6076.4	6042.4	6102.1	6102.1	6127.8
30°	5674.7	5666.3	5700.4	5683.4	5700.4	5700.4	5726.1	5709.1	5751.8	5734.8	5760.2
32.5°	5255.9	5273.3	5273.3	5255.9	5290.3	5281.6	5281.6	5264.6	5290.3	5298.7	5315.7
35°	4769.0	4794.4	4794.4	4803.1	4811.8	4786.1	4794.4	4743.3	4786.1	4794.4	4803.1
37.5°	4239.1	4213.4	4230.4	4204.7	4247.4	4196.3	4196.3	4162.3	4196.3	4196.3	4204.7
40°	3632.3	3623.6	3640.6	3623.6	3615.3	3606.6	3589.5	3563.8	3597.9	3580.9	3606.6
42.5°	3059.6	3050.9	3050.9	3033.9	3025.5	3025.5	3008.5	2991.1	2982.8	2982.8	3025.5
45°	2469.8	2486.9	2469.8	2461.5	2478.5	2461.5	2469.8	2435.8	2452.8	2435.8	2452.8
47.5°	1974.3	1982.6	1965.6	1948.6	1974.3	1948.6	1948.6	1922.8	1957.2	1957.2	1939.9
50°	1529.8	1521.1	1504.1	1521.1	1512.8	1512.8	1512.8	1487.0	1504.1	1478.4	1495.7
52.5°	1128.1	1119.7	1119.7	1111.0	1119.7	1111.0	1111.0	1102.3	1102.3	1094.0	1102.3
55°	820.5	811.8	794.8	794.8	794.8	803.5	794.8	786.4	786.4	777.8	786.4
57.5°	555.7	538.3	538.3	538.3	538.3	530.0	530.0	521.3	530.0	521.3	530.0
60°	359.0	359.0	342.0	342.0	342.0	342.0	342.0	333.3	342.0	342.0	342.0
62.5°	222.1	222.1	213.7	205.0	213.7	205.0	205.0	205.0	213.7	205.0	213.7
65°	145.3	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6
67.5°	102.5	94.2	94.2	94.2	94.2	94.2	94.2	85.5	94.2	94.2	94.2
70°	68.5	68.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
72.5°	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
75°	34.1	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
77.5°	25.7	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
80°	17.0	17.0	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	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	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
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: P683982

CATALOG NUMBER: LX6C120D010 EX6C1209050 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6
2.5°	7076.6	7084.9	7067.9	7076.6	7059.2	7076.6	7084.9	7102.0
5°	7059.2	7067.9	7050.9	7067.9	7050.9	7067.9	7076.6	7093.6
7.5°	7042.2	7059.2	7042.2	7059.2	7042.2	7059.2	7067.9	7084.9
10°	7042.2	7067.9	7050.9	7076.6	7050.9	7067.9	7084.9	7093.6
12.5°	7042.2	7067.9	7059.2	7076.6	7067.9	7084.9	7102.0	7119.0
15°	7025.2	7050.9	7033.8	7059.2	7050.9	7059.2	7093.6	7093.6
17.5°	6931.0	6956.7	6956.7	6973.7	6973.7	6999.4	7016.5	7033.8
20°	6811.4	6837.1	6828.5	6854.2	6854.2	6879.9	6896.9	6914.0
22.5°	6632.1	6666.2	6657.5	6683.2	6674.8	6691.9	6725.9	6717.6
25°	6401.3	6444.1	6435.4	6452.4	6444.1	6444.1	6461.1	6469.5
27.5°	6119.2	6144.9	6136.2	6153.6	6136.2	6153.6	6170.6	6178.9
30°	5751.8	5768.9	5760.2	5768.9	5760.2	5777.2	5785.9	5802.9
32.5°	5307.3	5333.1	5307.3	5324.4	5315.7	5315.7	5350.1	5333.1
35°	4777.4	4786.1	4794.4	4794.4	4777.4	4786.1	4803.1	4803.1
37.5°	4187.6	4230.4	4179.3	4204.7	4196.3	4196.3	4196.3	4222.0
40°	3572.5	3580.9	3563.8	3563.8	3563.8	3555.2	3589.5	3580.9
42.5°	2991.1	2999.8	2991.1	2965.7	2974.1	2974.1	2999.8	2965.7
45°	2427.1	2444.1	2435.8	2435.8	2418.7	2418.7	2427.1	2410.1
47.5°	1922.8	1939.9	1914.5	1922.8	1905.8	1922.8	1914.5	1931.5
50°	1461.3	1478.4	1470.0	1478.4	1478.4	1461.3	1487.0	1453.0
52.5°	1094.0	1102.3	1094.0	1085.3	1077.0	1077.0	1094.0	1085.3
55°	777.8	769.1	769.1	769.1	777.8	777.8	769.1	760.7
57.5°	521.3	521.3	512.9	512.9	521.3	504.3	512.9	504.3
60°	333.3	333.3	333.3	333.3	324.9	333.3	333.3	333.3
62.5°	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0
65°	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6
67.5°	85.5	94.2	94.2	94.2	85.5	85.5	85.5	85.5
70°	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
72.5°	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
75°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
77.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.7	8.7	8.7	8.7	8.7	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)