

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: P684834

Luminaire Tested: **LX6C130D010 EX61309040 6LCSWLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX61309040 6LCSWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

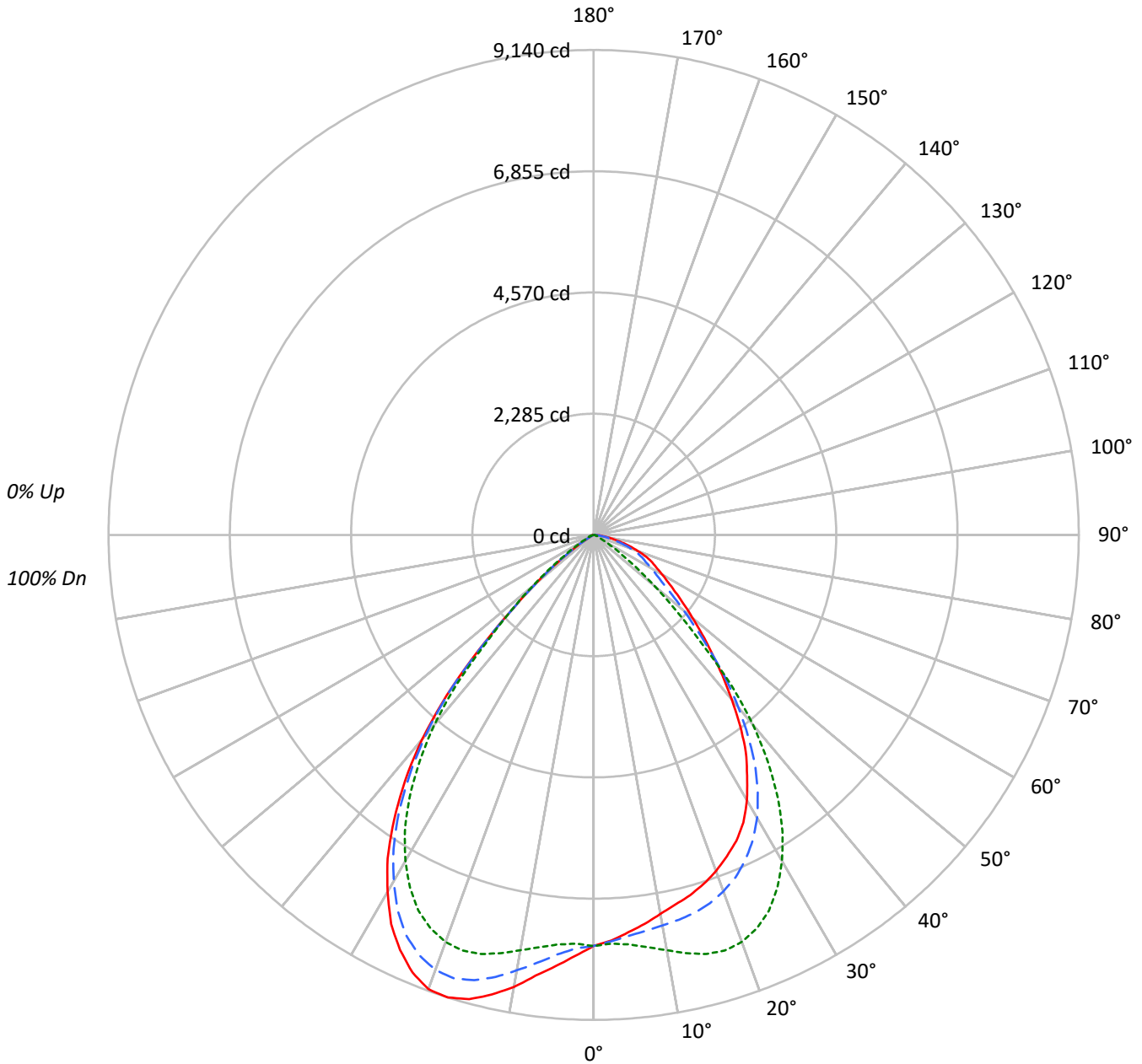
Lumens per Lamp: N/A
Luminaire Lumens: 14161.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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: P684834

CATALOG NUMBER: LX6C130D010 EX61309040 6LCSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P684834

CATALOG NUMBER: LX6C130D010 EX61309040 6LCSWLI

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	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80																			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72																			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65																			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58																			
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48																			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44																			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40																			
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	424703	424703	424703
5°	413685	426325	448739
10°	403628	442382	481554
15°	398907	464061	514084
20°	393189	476158	531457
25°	384839	472630	521915
30°	365696	449151	491341
35°	334575	404958	438654
40°	289399	334441	359881
45°	244049	219356	235412
50°	207191	126972	119399
55°	179807	60872	46001
60°	162399	28419	11359
65°	157553	16318	3827
70°	141258	13079	3574
75°	116092	9425	1589
80°	86469	4672	0
85°	74598	0	0



TEST NUMBER: P684834

CATALOG NUMBER: LX6C130D010 EX61309040 6LCSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	748.3	5.3
10°-20°	2280.6	16.1
20°-30°	3484.5	24.6
30°-40°	3644.5	25.7
40°-50°	2364.2	16.7
50°-60°	938.7	6.6
60°-70°	445.3	3.1
70°-80°	211.8	1.5
80°-90°	43.2	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°	6513.4	46.0
0°-40°	10157.8	71.7
0°-60°	13460.7	95.1
0°-90°	14161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14161.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7747	7747	7747	7747	7747	
5°	7518	7584	7747	7940	8154	710
15°	7029	7370	8177	8688	9058	1981
25°	6362	6762	7814	8340	8628	2913
35°	4999	5303	6051	6406	6555	3092
45°	3148	3118	2829	3000	3036	2449
55°	1881	1600	637	496	481	1705
65°	1215	1007	126	30	30	1186
75°	548	444	44	15	8	591
85°	119	74	0	0	0	138
90°	0	0	0	0	0	



TEST NUMBER: P684834

CATALOG NUMBER: LX6C130D010 EX61309040 6LCSWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2
2.5°	7650.9	7665.6	7584.4	7562.1	7621.4	7643.4	7650.9	7628.6	7636.1	7665.6	7665.6
5°	7517.5	7532.3	7458.3	7436.0	7495.3	7510.3	7532.3	7525.1	7547.3	7591.6	7584.4
7.5°	7391.7	7414.0	7332.4	7302.9	7377.0	7414.0	7428.7	7428.7	7458.3	7517.5	7525.1
10°	7250.9	7280.6	7206.6	7191.6	7273.1	7310.2	7317.7	7332.4	7377.0	7458.3	7473.0
12.5°	7132.6	7162.1	7110.3	7088.0	7176.8	7213.8	7228.6	7258.4	7310.2	7414.0	7428.7
15°	7028.7	7051.0	6991.7	6976.9	7065.7	7110.3	7117.5	7162.1	7228.6	7347.2	7369.5
17.5°	6895.4	6910.1	6865.9	6851.1	6939.9	6984.2	6991.7	7043.5	7125.0	7243.6	7280.6
20°	6739.8	6754.8	6710.3	6695.5	6784.3	6836.1	6843.6	6888.1	6984.2	7110.3	7147.3
22.5°	6554.6	6584.4	6532.7	6517.6	6606.7	6651.0	6673.2	6710.3	6806.6	6932.4	6984.2
25°	6362.3	6362.3	6325.3	6317.7	6399.3	6451.1	6443.6	6495.3	6591.7	6717.8	6762.0
27.5°	6110.4	6102.8	6065.8	6058.6	6147.4	6191.9	6176.9	6228.9	6317.7	6443.6	6488.1
30°	5777.1	5791.9	5740.1	5725.1	5799.4	5873.5	5865.9	5917.7	6006.5	6125.1	6154.9
32.5°	5377.1	5391.9	5384.6	5362.4	5428.9	5465.9	5488.2	5525.2	5599.3	5725.1	5754.9
35°	4999.4	4977.1	4947.6	4947.6	5014.1	5073.4	5051.1	5095.7	5169.7	5295.5	5303.1
37.5°	4532.8	4525.3	4510.5	4495.8	4569.8	4584.6	4592.1	4621.6	4688.4	4792.0	4777.2
40°	4044.0	4051.2	4044.0	4014.2	4058.7	4118.0	4110.5	4125.5	4184.5	4258.6	4236.6
42.5°	3584.6	3584.6	3584.6	3555.1	3606.9	3636.7	3651.5	3643.9	3658.7	3725.5	3695.7
45°	3147.9	3155.1	3147.9	3140.4	3147.9	3162.6	3147.9	3140.4	3140.4	3162.6	3118.1
47.5°	2770.1	2770.1	2747.9	2725.6	2747.9	2755.1	2733.1	2710.8	2703.3	2696.1	2622.0
50°	2429.4	2421.9	2414.6	2377.6	2399.6	2407.1	2377.6	2362.6	2333.1	2296.0	2207.2
52.5°	2133.2	2125.7	2118.2	2081.1	2096.2	2103.4	2073.9	2044.1	2007.1	1977.6	1866.5
55°	1881.3	1873.7	1873.7	1851.8	1836.7	1851.8	1822.0	1799.7	1747.9	1710.9	1599.8
57.5°	1666.4	1666.4	1651.6	1629.3	1636.9	1636.9	1607.3	1577.6	1533.0	1488.8	1400.0
60°	1481.2	1481.2	1481.2	1459.0	1459.0	1459.0	1444.2	1414.7	1377.7	1333.1	1244.3
62.5°	1333.1	1333.1	1325.6	1303.6	1310.9	1310.9	1296.1	1266.6	1229.6	1199.8	1111.0
65°	1214.6	1214.6	1214.6	1192.6	1192.6	1199.8	1185.0	1155.5	1125.8	1088.7	1007.2
67.5°	1066.5	1059.2	1059.2	1044.2	1051.7	1059.2	1044.2	1022.2	985.2	962.9	888.9
70°	881.3	888.9	896.1	874.1	881.3	881.3	874.1	851.8	829.6	807.3	740.8
72.5°	718.5	718.5	711.0	703.7	703.7	711.0	696.2	673.9	659.2	644.4	592.4
75°	548.1	540.6	548.1	533.4	533.4	533.4	518.3	511.1	503.6	481.3	444.3
77.5°	400.0	392.5	392.5	377.8	385.3	385.3	377.8	363.0	348.0	340.7	310.9
80°	273.9	273.9	273.9	266.7	266.7	259.2	259.2	251.9	236.9	229.7	214.9
82.5°	185.1	185.1	185.1	177.9	177.9	177.9	170.4	162.9	155.6	148.1	133.3
85°	118.6	118.6	118.6	111.1	111.1	111.1	103.6	103.6	96.3	88.8	74.0
87.5°	66.5	66.5	66.5	59.3	59.3	59.3	59.3	59.3	51.8	44.5	37.0
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: P684834

CATALOG NUMBER: LX6C130D010 EX61309040 6LCSWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2
2.5°	7717.4	7613.9	7680.4	7680.4	7658.4	7717.4	7754.7	7784.2	7776.7	7710.2	7702.7
5°	7658.4	7569.3	7643.4	7650.9	7628.6	7710.2	7762.0	7799.0	7806.5	7747.2	7754.7
7.5°	7613.9	7539.8	7636.1	7665.6	7658.4	7732.5	7791.7	7850.8	7880.5	7836.0	7843.5
10°	7591.6	7532.3	7636.1	7680.4	7687.9	7769.5	7858.3	7939.8	7976.9	7947.1	7969.4
12.5°	7562.1	7525.1	7643.4	7710.2	7739.7	7821.3	7932.3	8028.6	8087.9	8073.2	8117.4
15°	7532.3	7502.8	7643.4	7739.7	7776.7	7850.8	7976.9	8117.4	8184.3	8176.7	8236.0
17.5°	7458.3	7451.0	7599.1	7702.7	7754.7	7843.5	7961.8	8132.2	8199.0	8213.8	8287.8
20°	7339.9	7339.9	7502.8	7613.9	7673.2	7754.7	7902.8	8065.7	8147.2	8162.0	8243.6
22.5°	7176.8	7191.6	7347.2	7458.3	7547.3	7606.3	7762.0	7932.3	8006.4	8028.6	8117.4
25°	6962.2	6976.9	7125.0	7236.1	7332.4	7399.0	7547.3	7702.7	7791.7	7813.7	7880.5
27.5°	6680.7	6710.3	6851.1	6962.2	7043.5	7088.0	7243.6	7406.5	7473.0	7495.3	7562.1
30°	6354.8	6362.3	6502.9	6599.2	6680.7	6717.8	6851.1	7021.5	7073.3	7095.5	7191.6
32.5°	5954.7	5947.5	6080.8	6169.6	6236.2	6280.7	6421.3	6532.7	6584.4	6621.5	6673.2
35°	5473.4	5465.9	5562.2	5666.1	5717.8	5732.6	5873.5	5991.8	6021.6	6051.1	6117.9
37.5°	4932.8	4932.8	5014.1	5066.2	5125.2	5147.5	5214.3	5347.6	5399.4	5391.9	5443.6
40°	4362.4	4332.9	4391.9	4444.0	4458.8	4466.0	4532.8	4636.4	4673.4	4673.4	4710.4
42.5°	3762.5	3718.0	3725.5	3755.0	3769.8	3718.0	3762.5	3829.1	3806.8	3836.6	3844.1
45°	3125.6	3058.8	3029.3	2962.5	2977.5	2925.5	2895.9	2910.7	2903.5	2829.4	2844.2
47.5°	2607.0	2488.7	2436.6	2340.6	2318.3	2259.0	2222.0	2155.2	2096.2	2096.2	2058.9
50°	2170.2	2051.6	1947.8	1836.7	1799.7	1747.9	1666.4	1577.6	1533.0	1488.8	1451.7
52.5°	1822.0	1696.1	1570.0	1451.7	1400.0	1333.1	1222.1	1133.3	1051.7	1007.2	962.9
55°	1540.5	1400.0	1266.6	1140.5	1074.0	1007.2	896.1	792.5	696.2	636.9	599.9
57.5°	1325.6	1192.6	1051.7	918.4	859.1	785.0	666.7	555.4	466.6	400.0	363.0
60°	1170.3	1037.0	911.1	770.3	711.0	636.9	511.1	407.3	318.5	259.2	214.9
62.5°	1037.0	918.4	785.0	659.2	599.9	525.9	407.3	303.7	222.1	162.9	125.8
65°	940.6	822.0	711.0	585.1	533.4	459.3	348.0	251.9	177.9	125.8	88.8
67.5°	829.6	725.7	614.7	511.1	459.3	400.0	296.2	214.9	148.1	103.6	74.0
70°	696.2	614.7	518.3	422.3	385.3	333.2	244.4	177.9	118.6	81.6	59.3
72.5°	555.4	488.8	414.8	340.7	310.9	259.2	199.9	140.9	88.8	59.3	44.5
75°	422.3	370.2	310.9	259.2	229.7	199.9	148.1	103.6	66.5	44.5	29.5
77.5°	289.0	266.7	222.1	177.9	162.9	140.9	96.3	66.5	44.5	29.5	14.8
80°	199.9	177.9	148.1	118.6	103.6	88.8	59.3	44.5	22.3	14.8	7.5
82.5°	125.8	103.6	88.8	74.0	66.5	51.8	37.0	22.3	14.8	7.5	7.5
85°	66.5	59.3	51.8	37.0	37.0	29.5	22.3	14.8	7.5	0.0	0.0
87.5°	37.0	29.5	22.3	14.8	14.8	7.5	7.5	7.5	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: P684834

CATALOG NUMBER: LX6C130D010 EX61309040 6LCSWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2
2.5°	7791.7	7791.7	7784.2	7873.0	7769.5	7873.0	7821.3	7873.0	7799.0	7791.7	7799.0
5°	7850.8	7873.0	7880.5	7961.8	7865.8	7991.6	7947.1	7991.6	7939.8	7954.6	7976.9
7.5°	7969.4	8006.4	7999.1	8102.7	8006.4	8147.2	8117.4	8184.3	8132.2	8147.2	8176.7
10°	8102.7	8147.2	8154.5	8258.3	8169.2	8339.6	8302.6	8376.6	8332.4	8354.6	8391.6
12.5°	8258.3	8310.1	8317.6	8435.9	8339.6	8517.5	8495.2	8569.3	8532.2	8554.5	8599.0
15°	8376.6	8450.7	8465.7	8584.0	8480.4	8665.6	8650.8	8747.1	8687.8	8724.9	8761.9
17.5°	8435.9	8502.7	8532.2	8643.3	8554.5	8739.6	8724.9	8806.4	8761.9	8798.9	8843.5
20°	8398.9	8480.4	8502.7	8613.8	8525.0	8710.1	8687.8	8769.4	8724.9	8754.4	8798.9
22.5°	8265.5	8347.1	8376.6	8480.4	8398.9	8569.3	8562.0	8636.1	8576.8	8613.8	8650.8
25°	8028.6	8117.4	8132.2	8228.5	8139.7	8317.6	8302.6	8384.1	8339.6	8361.9	8413.6
27.5°	7687.9	7791.7	7813.7	7895.3	7828.8	7976.9	7976.9	8043.4	7991.6	7991.6	8043.4
30°	7280.6	7384.2	7399.0	7465.8	7406.5	7539.8	7547.3	7613.9	7532.3	7576.8	7584.4
32.5°	6784.3	6851.1	6895.4	6954.7	6865.9	7036.2	7014.0	7065.7	7021.5	7021.5	7058.5
35°	6184.4	6266.0	6288.2	6362.3	6288.2	6421.3	6421.3	6451.1	6406.5	6406.5	6465.8
37.5°	5532.7	5592.0	5599.3	5673.3	5614.0	5725.1	5717.8	5740.1	5695.6	5725.1	5725.1
40°	4769.7	4814.2	4829.0	4866.0	4858.8	4940.1	4932.8	4947.6	4925.3	4932.8	4947.6
42.5°	3881.1	3940.1	3969.9	3999.4	3955.2	4066.2	4044.0	4066.2	4058.7	4066.2	4088.5
45°	2858.9	2903.5	2925.5	2933.0	2918.2	2984.7	3036.5	2992.3	2999.5	2984.7	3014.5
47.5°	2066.4	2073.9	2058.9	2103.4	2066.4	2096.2	2110.9	2118.2	2073.9	2066.4	2096.2
50°	1414.7	1451.7	1400.0	1421.9	1414.7	1444.2	1429.5	1437.0	1392.4	1414.7	1400.0
52.5°	940.6	933.1	918.4	925.9	911.1	911.1	911.1	925.9	896.1	881.3	866.6
55°	570.4	555.4	525.9	518.3	518.3	525.9	511.1	496.3	496.3	488.8	488.8
57.5°	333.2	310.9	296.2	289.0	273.9	266.7	259.2	259.2	244.4	244.4	244.4
60°	185.1	162.9	148.1	133.3	133.3	125.8	118.6	111.1	111.1	111.1	103.6
62.5°	96.3	81.6	66.5	59.3	59.3	51.8	44.5	44.5	44.5	44.5	37.0
65°	66.5	51.8	44.5	37.0	37.0	29.5	29.5	29.5	29.5	29.5	29.5
67.5°	51.8	44.5	37.0	29.5	29.5	29.5	22.3	22.3	22.3	22.3	22.3
70°	44.5	29.5	29.5	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
72.5°	29.5	29.5	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
75°	22.3	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	0.0	0.0	0.0	0.0	0.0
80°	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	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	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



TEST NUMBER: P684834

CATALOG NUMBER: LX6C130D010 EX61309040 6LCSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2	7747.2
2.5°	7865.8	7858.3	7865.8	7880.5	7850.8	7939.8	7895.3	7939.8
5°	8036.2	8043.4	8050.9	8073.2	8036.2	8147.2	8087.9	8154.5
7.5°	8258.3	8265.5	8273.1	8295.3	8273.1	8384.1	8317.6	8376.6
10°	8488.0	8502.7	8502.7	8539.7	8517.5	8621.0	8576.8	8650.8
12.5°	8702.6	8717.3	8732.4	8754.4	8739.6	8850.7	8813.7	8873.0
15°	8873.0	8902.5	8910.0	8939.5	8924.7	9043.3	8998.8	9058.1
17.5°	8954.5	8984.0	8984.0	9021.1	9006.3	9132.1	9072.8	9139.6
20°	8910.0	8932.3	8939.5	8976.8	8961.8	9087.9	9028.6	9109.9
22.5°	8769.4	8776.6	8784.2	8821.2	8813.7	8924.7	8873.0	8924.7
25°	8510.0	8532.2	8525.0	8554.5	8554.5	8643.3	8584.0	8628.5
27.5°	8139.7	8162.0	8162.0	8199.0	8169.2	8258.3	8199.0	8265.5
30°	7687.9	7710.2	7695.4	7724.9	7695.4	7784.2	7739.7	7762.0
32.5°	7147.3	7147.3	7154.5	7162.1	7147.3	7228.6	7184.3	7228.6
35°	6502.9	6517.6	6525.1	6532.7	6517.6	6576.9	6525.1	6554.6
37.5°	5777.1	5814.2	5806.6	5814.2	5791.9	5865.9	5821.4	5836.4
40°	4999.4	4999.4	4991.8	5006.9	4984.6	5043.9	5014.1	5028.9
42.5°	4095.7	4118.0	4088.5	4125.5	4066.2	4147.5	4118.0	4095.7
45°	3073.8	3044.0	3036.5	3044.0	3021.8	3029.3	3051.6	3036.5
47.5°	2096.2	2096.2	2081.1	2058.9	2088.7	2096.2	2066.4	2066.4
50°	1407.2	1407.2	1392.4	1384.9	1400.0	1392.4	1377.7	1400.0
52.5°	896.1	866.6	866.6	881.3	866.6	851.8	874.1	859.1
55°	488.8	474.1	474.1	488.8	474.1	474.1	466.6	481.3
57.5°	236.9	244.4	236.9	236.9	236.9	236.9	229.7	236.9
60°	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6
62.5°	44.5	44.5	37.0	37.0	37.0	37.0	37.0	37.0
65°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
67.5°	22.3	22.3	22.3	22.3	22.3	29.5	22.3	22.3
70°	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
72.5°	22.3	22.3	29.5	29.5	29.5	29.5	29.5	29.5
75°	14.8	14.8	14.8	7.5	7.5	7.5	7.5	7.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)