

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: P684026

Luminaire Tested: **LX6C130D010 EX6C1309050 6LCSWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684026
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: LX6C130D010 EX6C1309050 6LCSWH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

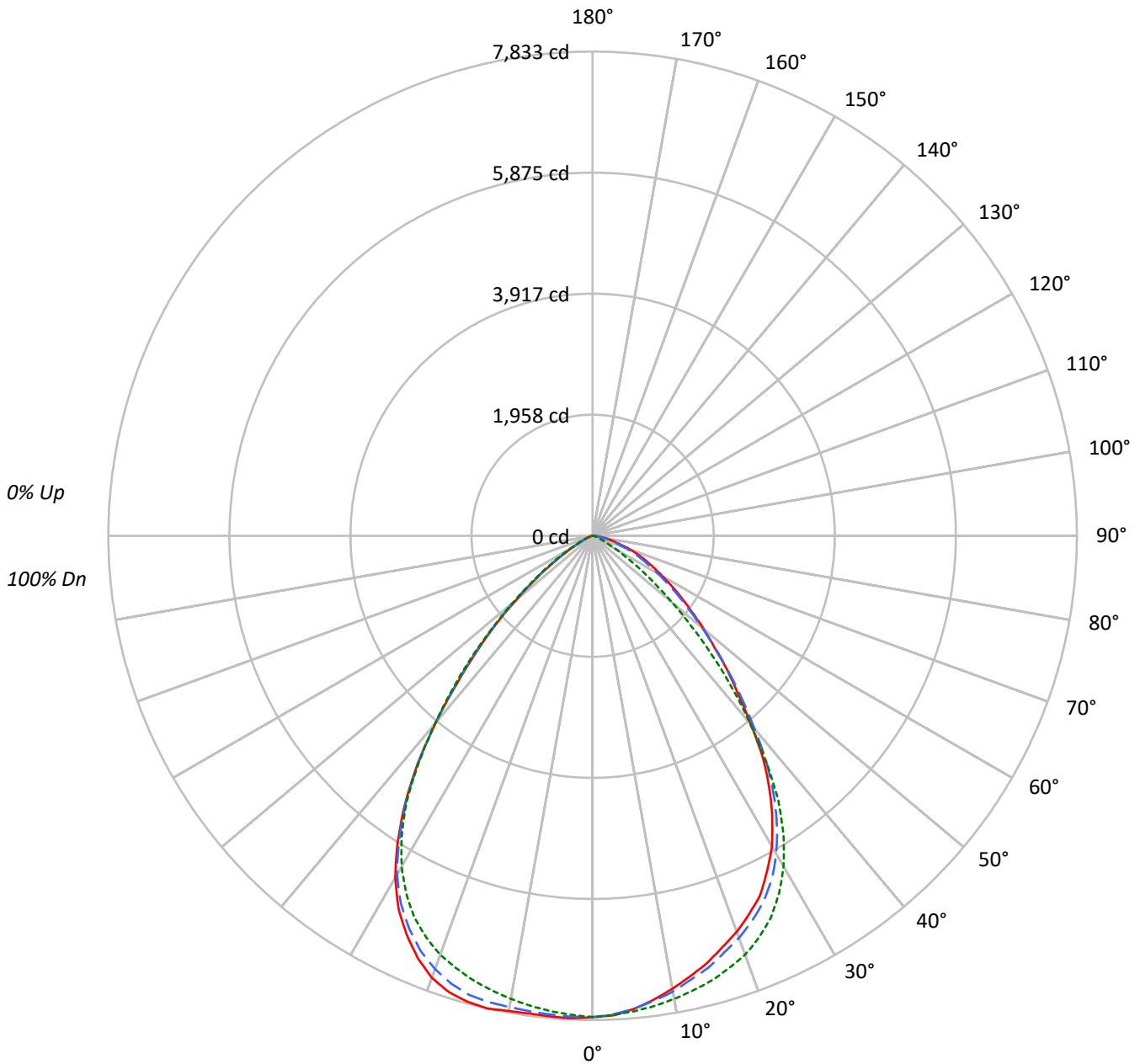
Lumens per Lamp: N/A
Luminaire Lumens: 13063.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P684026

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LCSWH

Luminous Intensity Polar Plot





TEST NUMBER: P684026

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LCSWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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				100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90				90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80				80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72				72
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64				64
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58				58
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52				52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47				47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43				43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40				40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	426857	426857	426857
5°	422787	424850	429517
10°	414070	423484	434483
15°	406149	422687	442976
20°	397728	420772	443815
25°	387930	412379	430579
30°	367291	391085	404182
35°	333545	350536	353682
40°	284669	283302	281964
45°	239118	212146	205587
50°	199712	143560	136345
55°	168080	88073	79997
60°	142291	46411	40205
65°	123204	24399	19496
70°	102485	15083	10547
75°	75722	9955	5994
80°	59383	5904	2999
85°	47363	5975	0



TEST NUMBER: P684026

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LCSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.8	5.6
10°-20°	2101.1	16.1
20°-30°	3102.6	23.8
30°-40°	3197.5	24.5
40°-50°	2208.5	16.9
50°-60°	1088.6	8.3
60°-70°	441.1	3.4
70°-80°	157.2	1.2
80°-90°	32.5	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°	5937.6	45.5
0°-40°	9135.1	69.9
0°-60°	12432.2	95.2
0°-90°	13063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13063.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7786	7786	7786	7786	7786	
5°	7683	7683	7720	7777	7805	726
15°	7156	7232	7448	7692	7805	2015
25°	6413	6536	6818	7015	7118	2932
35°	4984	5106	5238	5266	5285	3088
45°	3084	3103	2736	2699	2652	2384
55°	1759	1693	922	865	837	1589
65°	950	856	188	150	150	943
75°	358	301	47	28	28	401
85°	75	57	10	0	0	92
90°	0	0	0	0	0	



TEST NUMBER: P684026

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LCSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5
2.5°	7767.4	7739.5	7758.2	7720.4	7767.4	7720.4	7729.9	7739.5	7729.9	7739.5	7748.7
5°	7682.9	7654.6	7682.9	7635.8	7682.9	7654.6	7654.6	7664.1	7664.1	7673.3	7682.9
7.5°	7570.1	7541.8	7570.1	7523.0	7579.3	7551.3	7551.3	7570.1	7560.5	7570.1	7588.8
10°	7438.5	7400.7	7429.0	7400.7	7457.3	7419.4	7438.5	7438.5	7438.5	7466.5	7485.6
12.5°	7297.4	7259.6	7297.4	7250.4	7306.6	7278.7	7287.9	7316.2	7325.4	7344.5	7353.7
15°	7156.3	7109.3	7128.0	7099.8	7156.3	7128.0	7137.6	7175.1	7175.1	7203.4	7231.7
17.5°	6977.8	6939.9	6977.8	6939.9	6986.9	6968.2	6986.9	7015.2	7015.2	7043.5	7071.5
20°	6817.6	6780.1	6808.4	6780.1	6836.7	6808.4	6817.6	6855.4	6864.6	6892.9	6921.2
22.5°	6620.2	6591.9	6610.7	6582.8	6639.0	6620.2	6629.8	6667.3	6676.8	6695.6	6742.6
25°	6413.4	6356.8	6385.1	6366.3	6422.9	6394.6	6413.4	6450.8	6469.9	6497.9	6535.7
27.5°	6112.4	6084.1	6102.9	6102.9	6149.9	6122.0	6131.2	6169.0	6196.9	6225.2	6272.3
30°	5802.3	5755.3	5774.0	5783.2	5821.0	5802.3	5821.0	5858.5	5868.1	5905.6	5943.0
32.5°	5407.3	5388.2	5426.0	5407.3	5426.0	5426.0	5435.2	5463.5	5482.3	5501.4	5548.4
35°	4984.0	4946.5	4984.0	4965.3	5012.3	4984.0	5012.3	5040.6	5040.6	5078.1	5106.4
37.5°	4523.2	4476.2	4494.9	4494.9	4513.7	4504.5	4504.5	4551.5	4560.7	4589.0	4617.3
40°	3977.9	3958.8	3996.7	3987.1	3996.7	3996.7	4005.9	4034.2	4052.9	4062.5	4072.0
42.5°	3488.9	3498.1	3507.6	3507.6	3507.6	3507.6	3507.6	3545.1	3535.9	3564.2	3573.4
45°	3084.3	3046.8	3065.6	3056.4	3084.3	3056.4	3084.3	3112.6	3093.9	3122.2	3103.1
47.5°	2670.6	2670.6	2670.6	2661.4	2680.1	2670.6	2689.3	2698.9	2698.9	2698.9	2689.3
50°	2341.7	2313.4	2322.6	2322.6	2332.2	2322.6	2341.7	2350.9	2350.9	2332.2	2294.7
52.5°	2021.7	2012.5	2012.5	2031.2	2031.2	2021.7	2021.7	2021.7	2021.7	1993.7	1974.6
55°	1758.6	1739.8	1749.0	1749.0	1749.0	1749.0	1758.6	1749.0	1749.0	1720.7	1692.8
57.5°	1523.4	1504.7	1504.7	1504.7	1513.9	1504.7	1504.7	1504.7	1495.1	1466.8	1429.4
60°	1297.8	1288.3	1297.8	1297.8	1307.0	1297.8	1297.8	1297.8	1279.1	1250.8	1212.9
62.5°	1109.7	1109.7	1109.7	1118.9	1118.9	1109.7	1109.7	1100.1	1090.9	1053.1	1015.6
65°	949.8	940.3	949.8	949.8	959.0	959.0	949.8	940.3	931.1	893.3	855.8
67.5°	790.0	780.5	790.0	790.0	799.2	790.0	790.0	790.0	761.7	743.0	705.1
70°	639.4	630.2	630.2	630.2	639.4	620.6	630.2	630.2	611.4	583.1	545.3
72.5°	489.1	489.1	489.1	489.1	489.1	489.1	479.5	479.5	460.8	432.5	413.7
75°	357.5	357.5	366.7	366.7	357.5	357.5	357.5	348.0	338.4	319.7	300.9
77.5°	263.5	263.5	263.5	263.5	253.9	253.9	253.9	244.4	235.2	225.6	206.9
80°	188.1	188.1	188.1	178.6	188.1	178.6	178.6	178.6	159.8	150.3	141.1
82.5°	131.5	122.4	122.4	122.4	122.4	122.4	122.4	112.8	112.8	103.6	94.1
85°	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	65.8	56.6	56.6
87.5°	37.5	47.0	47.0	47.0	47.0	47.0	47.0	37.5	37.5	37.5	28.3
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: P684026

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LCSWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5
2.5°	7748.7	7748.7	7767.4	7739.5	7786.5	7758.2	7748.7	7795.7	7767.4	7758.2	7776.9
5°	7682.9	7692.4	7701.6	7682.9	7729.9	7701.6	7701.6	7748.7	7729.9	7720.4	7748.7
7.5°	7598.4	7607.6	7626.3	7617.1	7654.6	7635.8	7645.4	7692.4	7673.3	7673.3	7701.6
10°	7494.8	7513.5	7532.6	7532.6	7579.3	7560.5	7560.5	7617.1	7598.4	7607.6	7645.4
12.5°	7372.4	7400.7	7429.0	7438.5	7485.6	7457.3	7466.5	7532.6	7523.0	7532.6	7570.1
15°	7240.8	7278.7	7306.6	7306.6	7363.2	7334.9	7363.2	7429.0	7410.2	7447.7	7494.8
17.5°	7090.6	7128.0	7165.5	7175.1	7231.7	7212.6	7250.4	7316.2	7316.2	7334.9	7391.5
20°	6949.5	6996.5	7015.2	7043.5	7099.8	7090.6	7109.3	7184.6	7184.6	7212.6	7269.1
22.5°	6761.3	6808.4	6845.8	6874.1	6921.2	6921.2	6949.5	7015.2	7015.2	7034.0	7090.6
25°	6554.5	6610.7	6639.0	6667.3	6714.3	6704.8	6733.0	6789.6	6798.8	6817.6	6874.1
27.5°	6291.0	6338.0	6375.9	6394.6	6460.4	6422.9	6450.8	6517.0	6507.4	6526.2	6573.2
30°	5962.1	6009.2	6046.7	6046.7	6102.9	6102.9	6131.2	6159.5	6159.5	6178.2	6216.0
32.5°	5576.3	5632.9	5632.9	5661.2	5698.7	5661.2	5698.7	5736.2	5717.4	5745.7	5774.0
35°	5134.3	5162.6	5172.1	5172.1	5200.4	5190.9	5181.3	5209.6	5190.9	5237.9	5266.2
37.5°	4598.6	4636.0	4617.3	4636.0	4626.5	4598.6	4598.6	4645.6	4607.7	4617.3	4645.6
40°	4081.2	4081.2	4072.0	4025.0	4034.2	4005.9	3996.7	4005.9	3968.4	3958.8	3996.7
42.5°	3545.1	3535.9	3507.6	3441.8	3451.0	3404.0	3366.5	3366.5	3347.8	3338.2	3347.8
45°	3065.6	3037.3	2990.3	2915.3	2896.2	2858.7	2783.4	2764.6	2736.4	2736.4	2745.9
47.5°	2623.6	2586.1	2510.7	2426.2	2379.2	2332.2	2256.8	2228.6	2181.5	2162.8	2181.5
50°	2256.8	2191.1	2097.0	1974.6	1927.6	1871.4	1796.1	1749.0	1702.0	1683.3	1673.7
52.5°	1918.4	1824.4	1730.3	1580.0	1542.2	1485.9	1382.3	1335.3	1288.3	1250.8	1250.8
55°	1626.7	1542.2	1410.6	1269.5	1212.9	1156.7	1053.1	987.3	940.3	921.5	902.8
57.5°	1363.6	1269.5	1147.2	996.9	940.3	884.1	780.5	714.7	667.6	639.4	620.6
60°	1147.2	1043.9	921.5	790.0	724.2	667.6	564.4	498.3	451.2	423.3	404.2
62.5°	940.3	855.8	733.4	611.4	554.8	498.3	413.7	348.0	300.9	282.2	253.9
65°	790.0	705.1	592.3	489.1	442.0	385.5	310.5	253.9	216.4	188.1	169.4
67.5°	639.4	573.6	479.5	385.5	338.4	300.9	235.2	188.1	150.3	131.5	122.4
70°	507.8	442.0	366.7	291.4	263.5	225.6	178.6	131.5	112.8	94.1	84.5
72.5°	376.3	329.2	272.6	216.4	188.1	169.4	122.4	103.6	75.3	65.8	56.6
75°	272.6	235.2	197.3	150.3	131.5	122.4	94.1	65.8	56.6	47.0	37.5
77.5°	188.1	169.4	131.5	103.6	94.1	84.5	65.8	47.0	37.5	28.3	28.3
80°	122.4	103.6	84.5	65.8	65.8	56.6	37.5	28.3	28.3	18.7	18.7
82.5°	75.3	65.8	56.6	47.0	37.5	37.5	28.3	18.7	18.7	9.5	9.5
85°	47.0	37.5	28.3	28.3	18.7	18.7	18.7	9.5	9.5	9.5	9.5
87.5°	18.7	18.7	18.7	9.5	9.5	9.5	9.5	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: P684026

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LCSWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5
2.5°	7776.9	7776.9	7795.7	7767.4	7786.5	7786.5	7805.2	7767.4	7786.5	7795.7	7814.4
5°	7739.5	7748.7	7767.4	7758.2	7767.4	7767.4	7786.5	7739.5	7776.9	7776.9	7805.2
7.5°	7701.6	7701.6	7720.4	7711.2	7729.9	7739.5	7758.2	7720.4	7758.2	7758.2	7786.5
10°	7654.6	7654.6	7682.9	7673.3	7701.6	7711.2	7739.5	7701.6	7739.5	7748.7	7776.9
12.5°	7588.8	7598.4	7626.3	7626.3	7654.6	7673.3	7701.6	7682.9	7729.9	7739.5	7776.9
15°	7513.5	7532.6	7570.1	7560.5	7588.8	7617.1	7654.6	7626.3	7692.4	7711.2	7748.7
17.5°	7419.4	7438.5	7466.5	7466.5	7494.8	7513.5	7560.5	7541.8	7598.4	7607.6	7654.6
20°	7278.7	7306.6	7344.5	7334.9	7363.2	7381.9	7419.4	7400.7	7457.3	7476.0	7523.0
22.5°	7109.3	7128.0	7156.3	7156.3	7184.6	7203.4	7240.8	7212.6	7269.1	7278.7	7316.2
25°	6883.7	6902.4	6921.2	6930.7	6958.7	6968.2	6986.9	6968.2	7015.2	7024.8	7071.5
27.5°	6591.9	6601.5	6629.8	6629.8	6648.5	6657.7	6686.0	6648.5	6714.3	6714.3	6742.6
30°	6244.0	6234.8	6272.3	6253.5	6272.3	6272.3	6300.6	6281.8	6328.8	6310.1	6338.0
32.5°	5783.2	5802.3	5802.3	5783.2	5821.0	5811.5	5811.5	5792.8	5821.0	5830.2	5849.0
35°	5247.5	5275.4	5275.4	5284.9	5294.5	5266.2	5275.4	5219.2	5266.2	5275.4	5284.9
37.5°	4664.3	4636.0	4654.8	4626.5	4673.5	4617.3	4617.3	4579.8	4617.3	4617.3	4626.5
40°	3996.7	3987.1	4005.9	3987.1	3977.9	3968.4	3949.7	3921.4	3958.8	3940.1	3968.4
42.5°	3366.5	3357.0	3357.0	3338.2	3329.0	3329.0	3310.3	3291.2	3282.0	3282.0	3329.0
45°	2717.6	2736.4	2717.6	2708.4	2727.2	2708.4	2717.6	2680.1	2698.9	2680.1	2698.9
47.5°	2172.3	2181.5	2162.8	2144.0	2172.3	2144.0	2144.0	2115.7	2153.6	2153.6	2134.5
50°	1683.3	1673.7	1655.0	1673.7	1664.5	1664.5	1664.5	1636.2	1655.0	1626.7	1645.8
52.5°	1241.2	1232.0	1232.0	1222.5	1232.0	1222.5	1222.5	1212.9	1212.9	1203.7	1212.9
55°	902.8	893.3	874.5	874.5	874.5	884.1	874.5	865.3	865.3	855.8	865.3
57.5°	611.4	592.3	592.3	592.3	592.3	583.1	583.1	573.6	583.1	573.6	583.1
60°	395.0	395.0	376.3	376.3	376.3	376.3	376.3	366.7	376.3	376.3	376.3
62.5°	244.4	244.4	235.2	225.6	235.2	225.6	225.6	225.6	235.2	225.6	235.2
65°	159.8	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3
67.5°	112.8	103.6	103.6	103.6	103.6	103.6	103.6	94.1	103.6	103.6	103.6
70°	75.3	75.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
72.5°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
75°	37.5	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
77.5°	28.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
80°	18.7	18.7	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
85°	9.5	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	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
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: P684026

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5	7786.5
2.5°	7786.5	7795.7	7776.9	7786.5	7767.4	7786.5	7795.7	7814.4
5°	7767.4	7776.9	7758.2	7776.9	7758.2	7776.9	7786.5	7805.2
7.5°	7748.7	7767.4	7748.7	7767.4	7748.7	7767.4	7776.9	7795.7
10°	7748.7	7776.9	7758.2	7786.5	7758.2	7776.9	7795.7	7805.2
12.5°	7748.7	7776.9	7767.4	7786.5	7776.9	7795.7	7814.4	7833.2
15°	7729.9	7758.2	7739.5	7767.4	7758.2	7767.4	7805.2	7805.2
17.5°	7626.3	7654.6	7654.6	7673.3	7673.3	7701.6	7720.4	7739.5
20°	7494.8	7523.0	7513.5	7541.8	7541.8	7570.1	7588.8	7607.6
22.5°	7297.4	7334.9	7325.4	7353.7	7344.5	7363.2	7400.7	7391.5
25°	7043.5	7090.6	7081.0	7099.8	7090.6	7090.6	7109.3	7118.5
27.5°	6733.0	6761.3	6751.8	6770.9	6751.8	6770.9	6789.6	6798.8
30°	6328.8	6347.6	6338.0	6347.6	6338.0	6356.8	6366.3	6385.1
32.5°	5839.8	5868.1	5839.8	5858.5	5849.0	5849.0	5886.8	5868.1
35°	5256.7	5266.2	5275.4	5275.4	5256.7	5266.2	5284.9	5284.9
37.5°	4607.7	4654.8	4598.6	4626.5	4617.3	4617.3	4617.3	4645.6
40°	3930.9	3940.1	3921.4	3921.4	3921.4	3911.8	3949.7	3940.1
42.5°	3291.2	3300.7	3291.2	3263.3	3272.5	3272.5	3300.7	3263.3
45°	2670.6	2689.3	2680.1	2680.1	2661.4	2661.4	2670.6	2651.8
47.5°	2115.7	2134.5	2106.6	2115.7	2097.0	2115.7	2106.6	2125.3
50°	1607.9	1626.7	1617.5	1626.7	1626.7	1607.9	1636.2	1598.7
52.5°	1203.7	1212.9	1203.7	1194.2	1185.0	1185.0	1203.7	1194.2
55°	855.8	846.2	846.2	846.2	855.8	855.8	846.2	837.0
57.5°	573.6	573.6	564.4	564.4	573.6	554.8	564.4	554.8
60°	366.7	366.7	366.7	366.7	357.5	366.7	366.7	366.7
62.5°	225.6	225.6	225.6	225.6	225.6	225.6	225.6	225.6
65°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3
67.5°	94.1	103.6	103.6	103.6	94.1	94.1	94.1	94.1
70°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
72.5°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
75°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
77.5°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
80°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.5	9.5	9.5	9.5	9.5	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)