

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: P685195

Luminaire Tested: **LX6C75D010 EX6759030 6LCSWLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685195
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: LX6C75D010 EX6759030 6LCSWLI
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

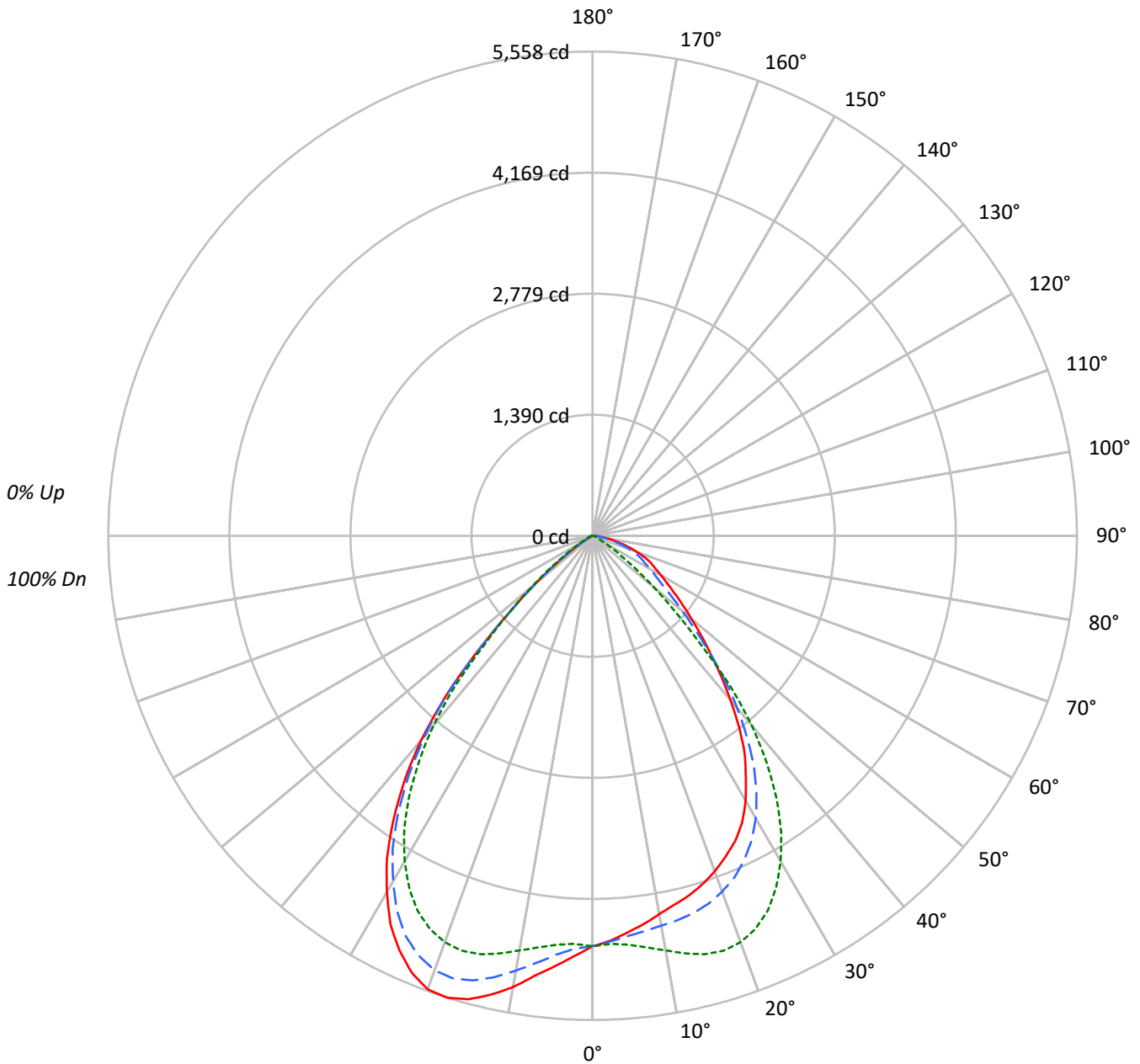
Lumens per Lamp: N/A
Luminaire Lumens: 8612.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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: P685195

CATALOG NUMBER: LX6C75D010 EX6759030 6LCSWLI

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	100	100
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90	90	90
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72	72	72	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58	58
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53	53	53	53
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48	48	48	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	40	40	40
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	258285	258285	258285
5°	251584	259272	272897
10°	245464	269033	292858
15°	242595	282221	312641
20°	239117	289574	323206
25°	234038	287430	317401
30°	222401	273150	298805
35°	203473	246270	266769
40°	175994	203388	218860
45°	148419	133401	143170
50°	126000	77217	72612
55°	109349	37017	27975
60°	98764	17279	6907
65°	95808	9923	2322
70°	85912	7950	2164
75°	70596	5740	974
80°	52595	2841	0
85°	45350	0	0



TEST NUMBER: P685195

CATALOG NUMBER: LX6C75D010 EX6759030 6LCSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.1	5.3
10°-20°	1386.9	16.1
20°-30°	2119.1	24.6
30°-40°	2216.4	25.7
40°-50°	1437.8	16.7
50°-60°	570.9	6.6
60°-70°	270.8	3.1
70°-80°	128.8	1.5
80°-90°	26.3	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°	3961.1	46.0
0°-40°	6177.5	71.7
0°-60°	8186.1	95.1
0°-90°	8612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8612.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4712	4712	4712	4712	4712	
5°	4572	4612	4712	4829	4959	432
15°	4274	4482	4973	5284	5509	1205
25°	3869	4112	4752	5072	5247	1772
35°	3040	3225	3680	3896	3986	1880
45°	1914	1896	1721	1824	1847	1490
55°	1144	973	387	302	293	1037
65°	739	612	76	18	18	721
75°	333	270	27	9	5	359
85°	72	45	0	0	0	84
90°	0	0	0	0	0	



TEST NUMBER: P685195

CATALOG NUMBER: LX6C75D010 EX6759030 6LCSWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5
2.5°	4652.9	4661.9	4612.4	4598.9	4634.9	4648.3	4652.9	4639.3	4643.9	4661.9	4661.9
5°	4571.8	4580.8	4535.7	4522.2	4558.2	4567.4	4580.8	4576.4	4589.9	4616.8	4612.4
7.5°	4495.3	4508.8	4459.2	4441.3	4486.3	4508.8	4517.8	4517.8	4535.7	4571.8	4576.4
10°	4409.6	4427.7	4382.7	4373.5	4423.1	4445.7	4450.2	4459.2	4486.3	4535.7	4544.7
12.5°	4337.7	4355.6	4324.1	4310.6	4364.6	4387.1	4396.1	4414.2	4445.7	4508.8	4517.8
15°	4274.5	4288.1	4252.0	4243.0	4297.0	4324.1	4328.5	4355.6	4396.1	4468.2	4481.7
17.5°	4193.4	4202.4	4175.5	4166.5	4220.5	4247.4	4252.0	4283.5	4333.1	4405.2	4427.7
20°	4098.8	4107.9	4080.8	4071.9	4125.9	4157.4	4161.9	4189.0	4247.4	4324.1	4346.6
22.5°	3986.2	4004.3	3972.8	3963.7	4017.9	4044.8	4058.3	4080.8	4139.4	4215.9	4247.4
25°	3869.2	3869.2	3846.7	3842.1	3891.7	3923.2	3918.7	3950.1	4008.7	4085.4	4112.3
27.5°	3716.0	3711.4	3688.9	3684.5	3738.5	3765.6	3756.5	3788.1	3842.1	3918.7	3945.7
30°	3513.4	3522.3	3490.8	3481.7	3526.9	3571.9	3567.4	3598.9	3652.9	3725.0	3743.1
32.5°	3270.1	3279.1	3274.7	3261.1	3301.6	3324.1	3337.6	3360.2	3405.2	3481.7	3499.8
35°	3040.4	3026.8	3008.9	3008.9	3049.3	3085.4	3071.8	3098.9	3144.0	3220.5	3225.1
37.5°	2756.6	2752.0	2743.1	2734.1	2779.1	2788.1	2792.7	2810.6	2851.3	2914.2	2905.3
40°	2459.3	2463.7	2459.3	2441.2	2468.3	2504.4	2499.8	2508.9	2544.8	2589.9	2576.5
42.5°	2180.0	2180.0	2180.0	2162.1	2193.5	2211.7	2220.6	2216.1	2225.0	2265.7	2247.5
45°	1914.4	1918.8	1914.4	1909.8	1914.4	1923.4	1914.4	1909.8	1909.8	1923.4	1896.3
47.5°	1684.6	1684.6	1671.1	1657.6	1671.1	1675.5	1662.1	1648.6	1644.0	1639.6	1594.6
50°	1477.4	1472.9	1468.5	1445.9	1459.3	1463.9	1445.9	1436.8	1418.9	1396.3	1342.3
52.5°	1297.3	1292.7	1288.2	1265.6	1274.8	1279.2	1261.2	1243.1	1220.6	1202.7	1135.1
55°	1144.1	1139.5	1139.5	1126.1	1117.0	1126.1	1108.0	1094.5	1063.0	1040.5	972.9
57.5°	1013.4	1013.4	1004.4	990.9	995.4	995.4	977.5	959.4	932.3	905.4	851.4
60°	900.8	900.8	900.8	887.3	887.3	887.3	878.3	860.4	837.8	810.7	756.7
62.5°	810.7	810.7	806.2	792.8	797.2	797.2	788.2	770.3	747.8	729.7	675.7
65°	738.6	738.6	738.6	725.3	725.3	729.7	720.7	702.7	684.6	662.1	612.5
67.5°	648.6	644.2	644.2	635.0	639.6	644.2	635.0	621.6	599.1	585.6	540.6
70°	536.0	540.6	545.0	531.6	536.0	536.0	531.6	518.0	504.5	491.0	450.5
72.5°	436.9	436.9	432.4	428.0	428.0	432.4	423.4	409.9	400.9	391.9	360.3
75°	333.3	328.8	333.3	324.4	324.4	324.4	315.2	310.8	306.3	292.7	270.2
77.5°	243.3	238.7	238.7	229.7	234.3	234.3	229.7	220.8	211.6	207.2	189.1
80°	166.6	166.6	166.6	162.2	162.2	157.6	157.6	153.2	144.1	139.7	130.7
82.5°	112.6	112.6	112.6	108.2	108.2	108.2	103.6	99.0	94.6	90.1	81.1
85°	72.1	72.1	72.1	67.5	67.5	67.5	63.0	63.0	58.6	54.0	45.0
87.5°	40.5	40.5	40.5	36.1	36.1	36.1	36.1	36.1	31.5	27.1	22.5
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: P685195

CATALOG NUMBER: LX6C75D010 EX6759030 6LCSWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5
2.5°	4693.3	4630.4	4670.8	4670.8	4657.5	4693.3	4716.0	4734.0	4729.4	4688.9	4684.4
5°	4657.5	4603.3	4648.3	4652.9	4639.3	4688.9	4720.4	4742.9	4747.5	4711.5	4716.0
7.5°	4630.4	4585.3	4643.9	4661.9	4657.5	4702.5	4738.5	4774.4	4792.5	4765.5	4770.0
10°	4616.8	4580.8	4643.9	4670.8	4675.4	4725.0	4779.0	4828.6	4851.1	4833.0	4846.6
12.5°	4598.9	4576.4	4648.3	4688.9	4706.9	4756.5	4824.0	4882.6	4918.7	4909.7	4936.6
15°	4580.8	4562.8	4648.3	4706.9	4729.4	4774.4	4851.1	4936.6	4977.2	4972.7	5008.7
17.5°	4535.7	4531.3	4621.4	4684.4	4716.0	4770.0	4842.0	4945.6	4986.2	4995.2	5040.2
20°	4463.8	4463.8	4562.8	4630.4	4666.4	4716.0	4806.1	4905.1	4954.7	4963.7	5013.3
22.5°	4364.6	4373.5	4468.2	4535.7	4589.9	4625.8	4720.4	4824.0	4869.1	4882.6	4936.6
25°	4234.0	4243.0	4333.1	4400.6	4459.2	4499.7	4589.9	4684.4	4738.5	4751.9	4792.5
27.5°	4062.9	4080.8	4166.5	4234.0	4283.5	4310.6	4405.2	4504.2	4544.7	4558.2	4598.9
30°	3864.6	3869.2	3954.7	4013.3	4062.9	4085.4	4166.5	4270.1	4301.6	4315.1	4373.5
32.5°	3621.4	3617.0	3698.1	3752.1	3792.5	3819.6	3905.1	3972.8	4004.3	4026.8	4058.3
35°	3328.7	3324.1	3382.7	3445.8	3477.3	3486.3	3571.9	3643.9	3662.0	3679.9	3720.6
37.5°	2999.9	2999.9	3049.3	3081.0	3116.9	3130.4	3171.0	3252.1	3283.6	3279.1	3310.5
40°	2653.0	2635.1	2671.0	2702.6	2711.6	2716.0	2756.6	2819.6	2842.1	2842.1	2864.6
42.5°	2288.2	2261.1	2265.7	2283.6	2292.6	2261.1	2288.2	2328.6	2315.1	2333.2	2337.8
45°	1900.8	1860.2	1842.3	1801.6	1810.8	1779.1	1761.2	1770.1	1765.7	1720.7	1729.7
47.5°	1585.4	1513.5	1481.8	1423.4	1409.9	1373.8	1351.3	1310.7	1274.8	1274.8	1252.1
50°	1319.8	1247.7	1184.6	1117.0	1094.5	1063.0	1013.4	959.4	932.3	905.4	882.9
52.5°	1108.0	1031.5	954.8	882.9	851.4	810.7	743.2	689.2	639.6	612.5	585.6
55°	936.9	851.4	770.3	693.6	653.1	612.5	545.0	482.0	423.4	387.3	364.8
57.5°	806.2	725.3	639.6	558.5	522.4	477.4	405.5	337.7	283.7	243.3	220.8
60°	711.7	630.6	554.1	468.4	432.4	387.3	310.8	247.7	193.7	157.6	130.7
62.5°	630.6	558.5	477.4	400.9	364.8	319.8	247.7	184.7	135.1	99.0	76.5
65°	572.0	499.9	432.4	355.9	324.4	279.3	211.6	153.2	108.2	76.5	54.0
67.5°	504.5	441.3	373.8	310.8	279.3	243.3	180.1	130.7	90.1	63.0	45.0
70°	423.4	373.8	315.2	256.8	234.3	202.6	148.6	108.2	72.1	49.6	36.1
72.5°	337.7	297.3	252.2	207.2	189.1	157.6	121.6	85.7	54.0	36.1	27.1
75°	256.8	225.2	189.1	157.6	139.7	121.6	90.1	63.0	40.5	27.1	17.9
77.5°	175.7	162.2	135.1	108.2	99.0	85.7	58.6	40.5	27.1	17.9	9.0
80°	121.6	108.2	90.1	72.1	63.0	54.0	36.1	27.1	13.5	9.0	4.6
82.5°	76.5	63.0	54.0	45.0	40.5	31.5	22.5	13.5	9.0	4.6	4.6
85°	40.5	36.1	31.5	22.5	22.5	17.9	13.5	9.0	4.6	0.0	0.0
87.5°	22.5	17.9	13.5	9.0	9.0	4.6	4.6	4.6	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: P685195

CATALOG NUMBER: LX6C75D010 EX6759030 6LCSWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5
2.5°	4738.5	4738.5	4734.0	4788.0	4725.0	4788.0	4756.5	4788.0	4742.9	4738.5	4742.9
5°	4774.4	4788.0	4792.5	4842.0	4783.6	4860.1	4833.0	4860.1	4828.6	4837.6	4851.1
7.5°	4846.6	4869.1	4864.7	4927.6	4869.1	4954.7	4936.6	4977.2	4945.6	4954.7	4972.7
10°	4927.6	4954.7	4959.1	5022.3	4968.1	5071.7	5049.2	5094.2	5067.3	5080.9	5103.4
12.5°	5022.3	5053.8	5058.3	5130.3	5071.7	5179.9	5166.4	5211.4	5188.9	5202.4	5229.5
15°	5094.2	5139.3	5148.4	5220.4	5157.4	5270.0	5261.0	5319.6	5283.5	5306.0	5328.5
17.5°	5130.3	5170.9	5188.9	5256.4	5202.4	5315.0	5306.0	5355.6	5328.5	5351.1	5378.1
20°	5107.8	5157.4	5170.9	5238.5	5184.5	5297.0	5283.5	5333.1	5306.0	5324.0	5351.1
22.5°	5026.7	5076.3	5094.2	5157.4	5107.8	5211.4	5207.0	5252.0	5216.0	5238.5	5261.0
25°	4882.6	4936.6	4945.6	5004.2	4950.2	5058.3	5049.2	5098.8	5071.7	5085.3	5116.7
27.5°	4675.4	4738.5	4751.9	4801.5	4761.1	4851.1	4851.1	4891.6	4860.1	4860.1	4891.6
30°	4427.7	4490.7	4499.7	4540.3	4504.2	4585.3	4589.9	4630.4	4580.8	4607.8	4612.4
32.5°	4125.9	4166.5	4193.4	4229.5	4175.5	4279.1	4265.5	4297.0	4270.1	4270.1	4292.6
35°	3761.0	3810.6	3824.2	3869.2	3824.2	3905.1	3905.1	3923.2	3896.1	3896.1	3932.2
37.5°	3364.7	3400.8	3405.2	3450.2	3414.2	3481.7	3477.3	3490.8	3463.8	3481.7	3481.7
40°	2900.7	2927.8	2936.7	2959.3	2954.9	3004.3	2999.9	3008.9	2995.3	2999.9	3008.9
42.5°	2360.3	2396.2	2414.3	2432.2	2405.3	2472.9	2459.3	2472.9	2468.3	2472.9	2486.4
45°	1738.7	1765.7	1779.1	1783.7	1774.7	1815.2	1846.7	1819.7	1824.1	1815.2	1833.3
47.5°	1256.7	1261.2	1252.1	1279.2	1256.7	1274.8	1283.8	1288.2	1261.2	1256.7	1274.8
50°	860.4	882.9	851.4	864.8	860.4	878.3	869.3	873.9	846.8	860.4	851.4
52.5°	572.0	567.5	558.5	563.1	554.1	554.1	554.1	563.1	545.0	536.0	527.0
55°	346.9	337.7	319.8	315.2	315.2	319.8	310.8	301.9	301.9	297.3	297.3
57.5°	202.6	189.1	180.1	175.7	166.6	162.2	157.6	157.6	148.6	148.6	148.6
60°	112.6	99.0	90.1	81.1	81.1	76.5	72.1	67.5	67.5	67.5	63.0
62.5°	58.6	49.6	40.5	36.1	36.1	31.5	27.1	27.1	27.1	27.1	22.5
65°	40.5	31.5	27.1	22.5	22.5	17.9	17.9	17.9	17.9	17.9	17.9
67.5°	31.5	27.1	22.5	17.9	17.9	17.9	13.5	13.5	13.5	13.5	13.5
70°	27.1	17.9	17.9	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
72.5°	17.9	17.9	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
75°	13.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	0.0	0.0	0.0	0.0	0.0
80°	4.6	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: P685195

CATALOG NUMBER: LX6C75D010 EX6759030 6LCSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5	4711.5
2.5°	4783.6	4779.0	4783.6	4792.5	4774.4	4828.6	4801.5	4828.6
5°	4887.2	4891.6	4896.2	4909.7	4887.2	4954.7	4918.7	4959.1
7.5°	5022.3	5026.7	5031.3	5044.8	5031.3	5098.8	5058.3	5094.2
10°	5161.9	5170.9	5170.9	5193.4	5179.9	5242.9	5216.0	5261.0
12.5°	5292.5	5301.4	5310.6	5324.0	5315.0	5382.5	5360.0	5396.1
15°	5396.1	5414.0	5418.6	5436.5	5427.6	5499.7	5472.6	5508.7
17.5°	5445.7	5463.6	5463.6	5486.1	5477.2	5553.7	5517.6	5558.3
20°	5418.6	5432.1	5436.5	5459.2	5450.1	5526.8	5490.7	5540.2
22.5°	5333.1	5337.5	5342.1	5364.6	5360.0	5427.6	5396.1	5427.6
25°	5175.3	5188.9	5184.5	5202.4	5202.4	5256.4	5220.4	5247.4
27.5°	4950.2	4963.7	4963.7	4986.2	4968.1	5022.3	4986.2	5026.7
30°	4675.4	4688.9	4680.0	4697.9	4680.0	4734.0	4706.9	4720.4
32.5°	4346.6	4346.6	4351.0	4355.6	4346.6	4396.1	4369.1	4396.1
35°	3954.7	3963.7	3968.3	3972.8	3963.7	3999.7	3968.3	3986.2
37.5°	3513.4	3535.9	3531.3	3535.9	3522.3	3567.4	3540.3	3549.4
40°	3040.4	3040.4	3035.8	3044.9	3031.4	3067.4	3049.3	3058.3
42.5°	2490.8	2504.4	2486.4	2508.9	2472.9	2522.3	2504.4	2490.8
45°	1869.3	1851.2	1846.7	1851.2	1837.7	1842.3	1855.8	1846.7
47.5°	1274.8	1274.8	1265.6	1252.1	1270.2	1274.8	1256.7	1256.7
50°	855.8	855.8	846.8	842.2	851.4	846.8	837.8	851.4
52.5°	545.0	527.0	527.0	536.0	527.0	518.0	531.6	522.4
55°	297.3	288.3	288.3	297.3	288.3	288.3	283.7	292.7
57.5°	144.1	148.6	144.1	144.1	144.1	144.1	139.7	144.1
60°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
62.5°	27.1	27.1	22.5	22.5	22.5	22.5	22.5	22.5
65°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
67.5°	13.5	13.5	13.5	13.5	13.5	17.9	13.5	13.5
70°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
72.5°	13.5	13.5	17.9	17.9	17.9	17.9	17.9	17.9
75°	9.0	9.0	9.0	4.6	4.6	4.6	4.6	4.6
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)