

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: P684580

Luminaire Tested: **LX6C75D010 EX6C759035 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684580
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: LX6C75D010 EX6C759035 6LCSWH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

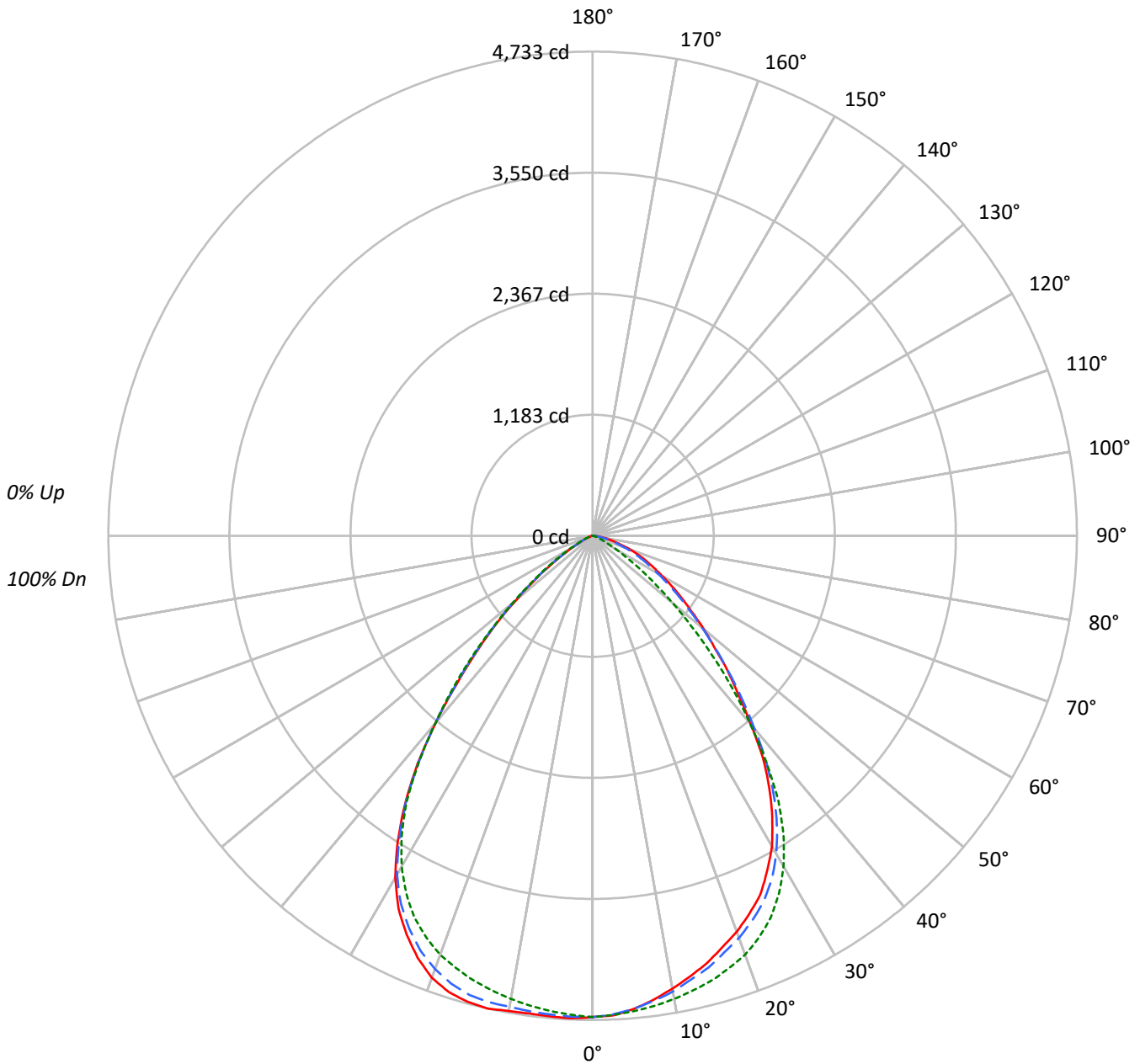
Lumens per Lamp: N/A
Luminaire Lumens: 7893.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	257918	257918	257918
5°	255458	256702	259525
10°	250190	255879	262526
15°	245404	255399	267658
20°	240313	254239	268164
25°	234395	249166	260168
30°	221927	236302	244215
35°	201539	211805	213705
40°	172008	171178	170369
45°	144480	128184	124222
50°	120670	86743	82385
55°	101559	53217	48342
60°	85980	28046	24296
65°	74444	14749	11778
70°	61917	9104	6363
75°	45751	6015	3622
80°	35895	3567	1831
85°	28619	3648	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.4	5.6
10°-20°	1269.5	16.1
20°-30°	1874.7	23.8
30°-40°	1932.0	24.5
40°-50°	1334.4	16.9
50°-60°	657.7	8.3
60°-70°	266.5	3.4
70°-80°	95.0	1.2
80°-90°	19.7	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°	3587.6	45.5
0°-40°	5519.7	69.9
0°-60°	7511.8	95.2
0°-90°	7893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7893.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4705	4705	4705	4705	4705	
5°	4642	4642	4665	4699	4716	438
15°	4324	4370	4500	4648	4716	1217
25°	3875	3949	4119	4239	4301	1772
35°	3012	3085	3165	3182	3193	1866
45°	1864	1875	1653	1631	1602	1441
55°	1063	1023	557	523	506	960
65°	574	517	114	91	91	570
75°	216	182	28	17	17	242
85°	46	34	6	0	0	56
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°	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8
2.5°	4693.3	4676.4	4687.7	4664.8	4693.3	4664.8	4670.6	4676.4	4670.6	4676.4	4681.9
5°	4642.2	4625.1	4642.2	4613.8	4642.2	4625.1	4625.1	4630.9	4630.9	4636.4	4642.2
7.5°	4574.0	4556.9	4574.0	4545.6	4579.6	4562.7	4562.7	4574.0	4568.3	4574.0	4585.4
10°	4494.5	4471.7	4488.8	4471.7	4505.9	4483.0	4494.5	4494.5	4494.5	4511.4	4523.0
12.5°	4409.3	4386.4	4409.3	4380.9	4414.8	4398.0	4403.5	4420.6	4426.2	4437.7	4443.3
15°	4324.0	4295.6	4306.9	4289.9	4324.0	4306.9	4312.7	4335.4	4335.4	4352.5	4369.6
17.5°	4216.1	4193.3	4216.1	4193.3	4221.7	4210.4	4221.7	4238.8	4238.8	4255.9	4272.8
20°	4119.3	4096.7	4113.8	4096.7	4130.9	4113.8	4119.3	4142.2	4147.8	4164.9	4181.9
22.5°	4000.1	3983.0	3994.3	3977.5	4011.4	4000.1	4005.9	4028.5	4034.3	4045.6	4074.0
25°	3875.1	3840.9	3858.0	3846.7	3880.9	3863.8	3875.1	3897.8	3909.3	3926.2	3949.0
27.5°	3693.3	3676.2	3687.5	3687.5	3715.9	3699.1	3704.6	3727.5	3744.4	3761.4	3789.9
30°	3505.9	3477.5	3488.8	3494.4	3517.2	3505.9	3517.2	3539.9	3545.6	3568.3	3590.9
32.5°	3267.2	3255.7	3278.6	3267.2	3278.6	3278.6	3284.1	3301.2	3312.5	3324.1	3352.5
35°	3011.5	2988.8	3011.5	3000.1	3028.6	3011.5	3028.6	3045.7	3045.7	3068.3	3085.4
37.5°	2733.1	2704.6	2716.0	2716.0	2727.3	2721.7	2721.7	2750.1	2755.7	2772.8	2789.9
40°	2403.6	2392.0	2414.9	2409.1	2414.9	2414.9	2420.5	2437.5	2448.9	2454.6	2460.4
42.5°	2108.1	2113.6	2119.4	2119.4	2119.4	2119.4	2119.4	2142.0	2136.5	2153.6	2159.1
45°	1863.6	1841.0	1852.3	1846.7	1863.6	1846.7	1863.6	1880.7	1869.4	1886.5	1875.0
47.5°	1613.6	1613.6	1613.6	1608.1	1619.4	1613.6	1625.0	1630.7	1630.7	1630.7	1625.0
50°	1414.9	1397.8	1403.4	1403.4	1409.2	1403.4	1414.9	1420.5	1420.5	1409.2	1386.5
52.5°	1221.6	1216.0	1216.0	1227.3	1227.3	1221.6	1221.6	1221.6	1221.6	1204.7	1193.1
55°	1062.6	1051.3	1056.8	1056.8	1056.8	1056.8	1056.8	1062.6	1056.8	1056.8	1022.8
57.5°	920.5	909.2	909.2	909.2	914.7	909.2	909.2	909.2	903.4	886.3	863.7
60°	784.2	778.4	784.2	784.2	789.7	784.2	784.2	784.2	772.8	755.8	732.9
62.5°	670.5	670.5	670.5	676.1	676.1	670.5	670.5	664.7	659.2	636.3	613.7
65°	573.9	568.1	573.9	573.9	579.5	579.5	573.9	568.1	562.6	539.7	517.1
67.5°	477.3	471.6	477.3	477.3	482.9	477.3	477.3	477.3	460.2	448.9	426.1
70°	386.3	380.8	380.8	380.8	386.3	375.0	380.8	380.8	369.4	352.3	329.5
72.5°	295.5	295.5	295.5	295.5	295.5	295.5	289.7	289.7	278.4	261.3	250.0
75°	216.0	216.0	221.6	221.6	216.0	216.0	216.0	210.3	204.5	193.2	181.8
77.5°	159.2	159.2	159.2	159.2	153.4	153.4	153.4	147.6	142.1	136.3	125.0
80°	113.7	113.7	113.7	107.9	113.7	107.9	107.9	107.9	96.6	90.8	85.3
82.5°	79.5	73.9	73.9	73.9	73.9	73.9	73.9	68.2	68.2	62.6	56.8
85°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	39.7	34.2	34.2
87.5°	22.6	28.4	28.4	28.4	28.4	28.4	28.4	22.6	22.6	22.6	17.1
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°	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8
2.5°	4681.9	4681.9	4693.3	4676.4	4704.8	4687.7	4681.9	4710.4	4693.3	4687.7	4699.0
5°	4642.2	4648.0	4653.5	4642.2	4670.6	4653.5	4653.5	4681.9	4670.6	4664.8	4681.9
7.5°	4591.1	4596.7	4608.0	4602.5	4625.1	4613.8	4619.5	4648.0	4636.4	4636.4	4653.5
10°	4528.5	4539.8	4551.4	4551.4	4579.6	4568.3	4568.3	4602.5	4591.1	4596.7	4619.5
12.5°	4454.6	4471.7	4488.8	4494.5	4523.0	4505.9	4511.4	4551.4	4545.6	4551.4	4574.0
15°	4375.1	4398.0	4414.8	4414.8	4449.0	4431.9	4449.0	4488.8	4477.5	4500.1	4528.5
17.5°	4284.3	4306.9	4329.6	4335.4	4369.6	4358.0	4380.9	4420.6	4420.6	4431.9	4466.1
20°	4199.0	4227.5	4238.8	4255.9	4289.9	4284.3	4295.6	4341.1	4341.1	4358.0	4392.2
22.5°	4085.4	4113.8	4136.4	4153.5	4181.9	4181.9	4199.0	4238.8	4238.8	4250.1	4284.3
25°	3960.4	3994.3	4011.4	4028.5	4057.0	4051.2	4068.3	4102.5	4108.0	4119.3	4153.5
27.5°	3801.2	3829.6	3852.5	3863.8	3903.5	3880.9	3897.8	3937.7	3932.0	3943.3	3971.7
30°	3602.5	3630.9	3653.5	3653.5	3687.5	3687.5	3704.6	3721.7	3721.7	3733.0	3755.9
32.5°	3369.4	3403.5	3403.5	3420.6	3443.3	3420.6	3443.3	3465.9	3454.6	3471.7	3488.8
35°	3102.3	3119.4	3125.1	3125.1	3142.2	3136.5	3130.7	3147.8	3136.5	3164.9	3182.0
37.5°	2778.6	2801.2	2789.9	2801.2	2795.4	2778.6	2778.6	2807.0	2784.1	2789.9	2807.0
40°	2466.0	2466.0	2460.4	2432.0	2437.5	2420.5	2414.9	2420.5	2397.8	2392.0	2414.9
42.5°	2142.0	2136.5	2119.4	2079.7	2085.2	2056.8	2034.1	2034.1	2022.8	2017.0	2022.8
45°	1852.3	1835.2	1806.8	1761.5	1750.0	1727.3	1681.8	1670.5	1653.4	1653.4	1659.1
47.5°	1585.2	1562.6	1517.1	1466.0	1437.6	1409.2	1363.6	1346.5	1318.1	1306.8	1318.1
50°	1363.6	1323.9	1267.1	1193.1	1164.7	1130.7	1085.2	1056.8	1028.4	1017.1	1011.3
52.5°	1159.2	1102.3	1045.5	954.7	931.8	897.8	835.2	806.8	778.4	755.8	755.8
55°	982.9	931.8	852.3	767.1	732.9	698.9	636.3	596.6	568.1	556.8	545.5
57.5°	823.9	767.1	693.1	602.3	568.1	534.2	471.6	431.8	403.4	386.3	375.0
60°	693.1	630.8	556.8	477.3	437.6	403.4	341.0	301.1	272.6	255.8	244.2
62.5°	568.1	517.1	443.2	369.4	335.2	301.1	250.0	210.3	181.8	170.5	153.4
65°	477.3	426.1	357.9	295.5	267.1	232.9	187.6	153.4	130.8	113.7	102.3
67.5°	386.3	346.6	289.7	232.9	204.5	181.8	142.1	113.7	90.8	79.5	73.9
70°	306.8	267.1	221.6	176.1	159.2	136.3	107.9	79.5	68.2	56.8	51.1
72.5°	227.3	198.9	164.7	130.8	113.7	102.3	73.9	62.6	45.5	39.7	34.2
75°	164.7	142.1	119.2	90.8	79.5	73.9	56.8	39.7	34.2	28.4	22.6
77.5°	113.7	102.3	79.5	62.6	56.8	51.1	39.7	28.4	22.6	17.1	17.1
80°	73.9	62.6	51.1	39.7	39.7	34.2	22.6	17.1	17.1	11.3	11.3
82.5°	45.5	39.7	34.2	28.4	22.6	22.6	17.1	11.3	11.3	5.8	5.8
85°	28.4	22.6	17.1	17.1	11.3	11.3	11.3	5.8	5.8	5.8	5.8
87.5°	11.3	11.3	11.3	5.8	5.8	5.8	5.8	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°	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8
2.5°	4699.0	4699.0	4710.4	4693.3	4704.8	4704.8	4716.1	4693.3	4704.8	4710.4	4721.7
5°	4676.4	4681.9	4693.3	4687.7	4693.3	4693.3	4704.8	4676.4	4699.0	4699.0	4716.1
7.5°	4653.5	4653.5	4664.8	4659.3	4670.6	4676.4	4687.7	4664.8	4687.7	4687.7	4704.8
10°	4625.1	4625.1	4642.2	4636.4	4653.5	4659.3	4676.4	4653.5	4676.4	4681.9	4699.0
12.5°	4585.4	4591.1	4608.0	4608.0	4625.1	4636.4	4653.5	4642.2	4670.6	4676.4	4699.0
15°	4539.8	4551.4	4574.0	4568.3	4585.4	4602.5	4625.1	4608.0	4648.0	4659.3	4681.9
17.5°	4483.0	4494.5	4511.4	4511.4	4528.5	4539.8	4568.3	4556.9	4591.1	4596.7	4625.1
20°	4398.0	4414.8	4437.7	4431.9	4449.0	4460.4	4483.0	4471.7	4505.9	4517.2	4545.6
22.5°	4295.6	4306.9	4324.0	4324.0	4341.1	4352.5	4375.1	4358.0	4392.2	4398.0	4420.6
25°	4159.3	4170.6	4181.9	4187.7	4204.6	4210.4	4221.7	4210.4	4238.8	4244.6	4272.8
27.5°	3983.0	3988.8	4005.9	4005.9	4017.2	4022.8	4039.9	4017.2	4057.0	4057.0	4074.0
30°	3772.8	3767.2	3789.9	3778.5	3789.9	3789.9	3807.0	3795.6	3824.1	3812.7	3829.6
32.5°	3494.4	3505.9	3505.9	3494.4	3517.2	3511.5	3511.5	3500.1	3517.2	3522.8	3534.1
35°	3170.6	3187.5	3187.5	3193.3	3199.1	3182.0	3187.5	3153.6	3182.0	3187.5	3193.3
37.5°	2818.3	2801.2	2812.5	2795.4	2823.9	2789.9	2789.9	2767.2	2789.9	2789.9	2795.4
40°	2414.9	2409.1	2420.5	2409.1	2403.6	2397.8	2386.5	2369.4	2392.0	2380.7	2397.8
42.5°	2034.1	2028.4	2028.4	2017.0	2011.5	2011.5	2000.2	1988.6	1983.1	1983.1	2011.5
45°	1642.1	1653.4	1642.1	1636.5	1647.8	1636.5	1642.1	1619.4	1630.7	1619.4	1630.7
47.5°	1312.6	1318.1	1306.8	1295.5	1312.6	1295.5	1295.5	1278.4	1301.3	1301.3	1289.7
50°	1017.1	1011.3	1000.0	1011.3	1005.7	1005.7	1005.7	988.7	1000.0	982.9	994.4
52.5°	750.0	744.4	744.4	738.7	744.4	738.7	738.7	732.9	732.9	727.3	732.9
55°	545.5	539.7	528.4	528.4	528.4	534.2	528.4	522.9	522.9	517.1	522.9
57.5°	369.4	357.9	357.9	357.9	357.9	352.3	352.3	346.6	352.3	346.6	352.3
60°	238.7	238.7	227.3	227.3	227.3	227.3	227.3	221.6	227.3	227.3	227.3
62.5°	147.6	147.6	142.1	136.3	142.1	136.3	136.3	136.3	142.1	136.3	142.1
65°	96.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
67.5°	68.2	62.6	62.6	62.6	62.6	62.6	62.6	56.8	62.6	62.6	62.6
70°	45.5	45.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
72.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
75°	22.6	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
77.5°	17.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
80°	11.3	11.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
82.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
85°	5.8	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	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
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: P684580

CATALOG NUMBER: LX6C75D010 EX6C759035 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8	4704.8
2.5°	4704.8	4710.4	4699.0	4704.8	4693.3	4704.8	4710.4	4721.7
5°	4693.3	4699.0	4687.7	4699.0	4687.7	4699.0	4704.8	4716.1
7.5°	4681.9	4693.3	4681.9	4693.3	4681.9	4693.3	4699.0	4710.4
10°	4681.9	4699.0	4687.7	4704.8	4687.7	4699.0	4710.4	4716.1
12.5°	4681.9	4699.0	4693.3	4704.8	4699.0	4710.4	4721.7	4733.0
15°	4670.6	4687.7	4676.4	4693.3	4687.7	4693.3	4716.1	4716.1
17.5°	4608.0	4625.1	4625.1	4636.4	4636.4	4653.5	4664.8	4676.4
20°	4528.5	4545.6	4539.8	4556.9	4556.9	4574.0	4585.4	4596.7
22.5°	4409.3	4431.9	4426.2	4443.3	4437.7	4449.0	4471.7	4466.1
25°	4255.9	4284.3	4278.5	4289.9	4284.3	4284.3	4295.6	4301.2
27.5°	4068.3	4085.4	4079.6	4091.1	4079.6	4091.1	4102.5	4108.0
30°	3824.1	3835.4	3829.6	3835.4	3829.6	3840.9	3846.7	3858.0
32.5°	3528.5	3545.6	3528.5	3539.9	3534.1	3534.1	3557.0	3545.6
35°	3176.2	3182.0	3187.5	3187.5	3176.2	3182.0	3193.3	3193.3
37.5°	2784.1	2812.5	2778.6	2795.4	2789.9	2789.9	2789.9	2807.0
40°	2375.2	2380.7	2369.4	2369.4	2369.4	2363.6	2386.5	2380.7
42.5°	1988.6	1994.4	1988.6	1971.7	1977.3	1977.3	1994.4	1971.7
45°	1613.6	1625.0	1619.4	1619.4	1608.1	1608.1	1613.6	1602.3
47.5°	1278.4	1289.7	1272.8	1278.4	1267.1	1278.4	1272.8	1284.2
50°	971.6	982.9	977.3	982.9	982.9	971.6	988.7	966.0
52.5°	727.3	732.9	727.3	721.6	716.0	716.0	727.3	721.6
55°	517.1	511.3	511.3	511.3	517.1	517.1	511.3	505.8
57.5°	346.6	346.6	341.0	341.0	346.6	335.2	341.0	335.2
60°	221.6	221.6	221.6	221.6	216.0	221.6	221.6	221.6
62.5°	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
65°	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
67.5°	56.8	62.6	62.6	62.6	56.8	56.8	56.8	56.8
70°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
72.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
75°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
77.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
80°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
82.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	5.8	5.8	5.8	5.8	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)