

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: P684587

Luminaire Tested: **LX6C75D010 EX6C759040 6LCSWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684587
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 EX6C759040 6LCSWH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

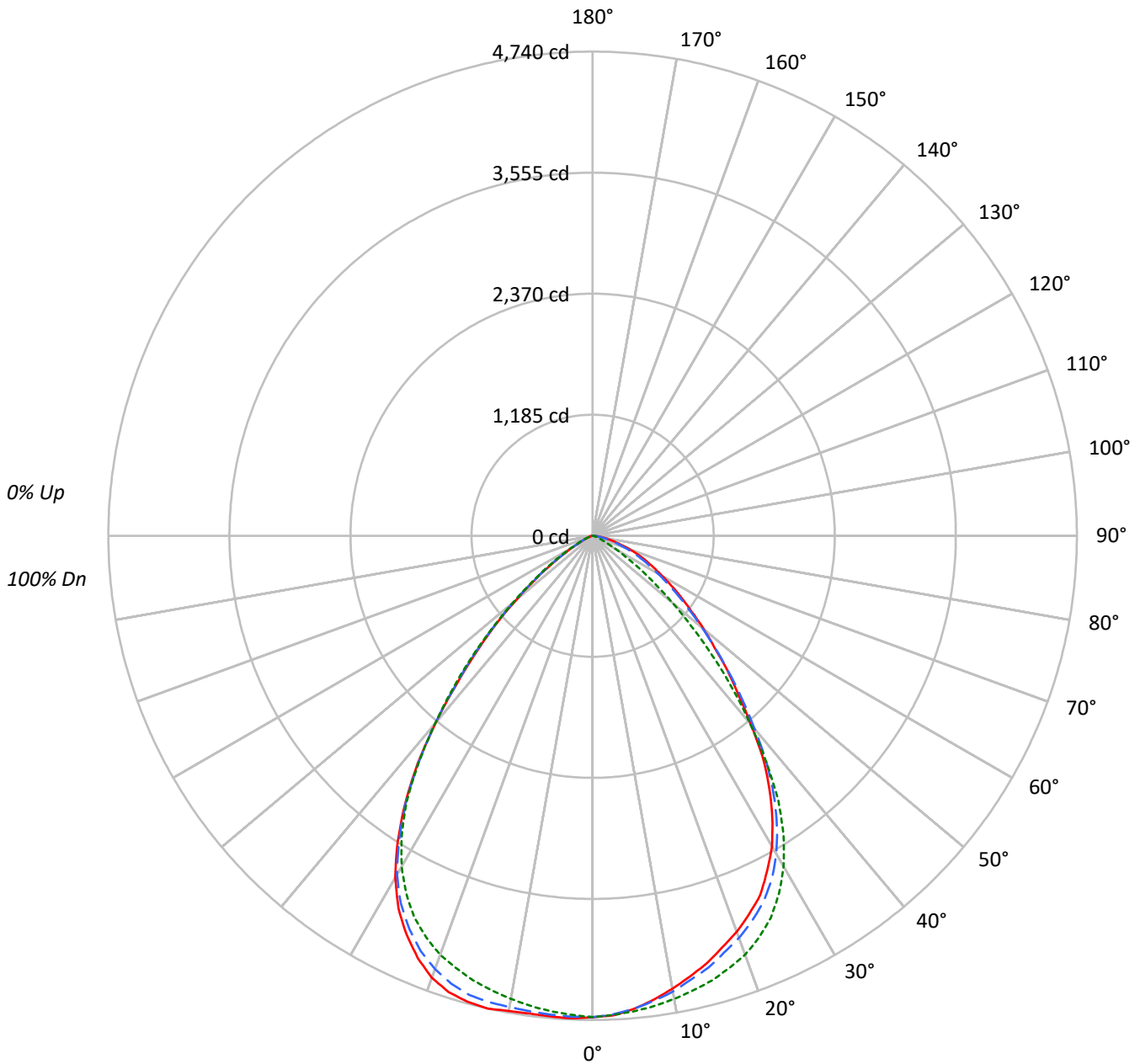
Lumens per Lamp: N/A
Luminaire Lumens: 7905.0 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
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°	258313	258313	258313
5°	255849	257093	259921
10°	250574	256269	262927
15°	245779	255785	268066
20°	240681	254624	268573
25°	234751	249547	260561
30°	222262	236663	244588
35°	201840	212126	214033
40°	172266	171443	170627
45°	144705	128378	124408
50°	120857	86871	82513
55°	101712	53303	48409
60°	86112	28090	24329
65°	74561	14762	11791
70°	62014	9120	6379
75°	45814	6037	3622
80°	35926	3567	1831
85°	28682	3648	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.1	5.6
10°-20°	1271.5	16.1
20°-30°	1877.5	23.8
30°-40°	1935.0	24.5
40°-50°	1336.5	16.9
50°-60°	658.7	8.3
60°-70°	266.9	3.4
70°-80°	95.1	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°	3593.1	45.5
0°-40°	5528.1	69.9
0°-60°	7523.3	95.2
0°-90°	7905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7905.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4712	4712	4712	4712	4712	
5°	4649	4649	4672	4706	4723	439
15°	4331	4376	4507	4655	4723	1219
25°	3881	3955	4126	4245	4308	1774
35°	3016	3090	3170	3187	3198	1869
45°	1866	1878	1656	1633	1605	1443
55°	1064	1024	558	524	506	962
65°	575	518	114	91	91	571
75°	216	182	28	17	17	243
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°	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0
2.5°	4700.4	4683.5	4694.8	4671.9	4700.4	4671.9	4677.7	4683.5	4677.7	4683.5	4689.1
5°	4649.3	4632.1	4649.3	4620.8	4649.3	4632.1	4632.1	4637.9	4637.9	4643.5	4649.3
7.5°	4581.0	4563.9	4581.0	4552.5	4586.6	4569.6	4569.6	4581.0	4575.2	4581.0	4592.3
10°	4501.4	4478.5	4495.6	4478.5	4512.7	4489.8	4501.4	4501.4	4501.4	4518.3	4529.8
12.5°	4416.0	4393.1	4416.0	4387.5	4421.6	4404.7	4410.2	4427.3	4432.9	4444.5	4450.0
15°	4330.6	4302.2	4313.5	4296.4	4330.6	4313.5	4319.3	4342.0	4342.0	4359.1	4376.2
17.5°	4222.5	4199.6	4222.5	4199.6	4228.1	4216.8	4228.1	4245.2	4245.2	4262.3	4279.3
20°	4125.6	4102.9	4120.0	4102.9	4137.2	4120.0	4125.6	4148.5	4154.1	4171.2	4188.3
22.5°	4006.2	3989.1	4000.4	3983.5	4017.5	4006.2	4012.0	4034.7	4040.4	4051.8	4080.2
25°	3881.0	3846.8	3863.9	3852.5	3886.8	3869.7	3881.0	3903.7	3915.2	3932.2	3955.1
27.5°	3698.9	3681.8	3693.1	3693.1	3721.6	3704.7	3710.2	3733.1	3750.0	3767.2	3795.6
30°	3511.2	3482.8	3494.1	3499.7	3522.6	3511.2	3522.6	3545.3	3551.0	3573.7	3596.4
32.5°	3272.2	3260.6	3283.5	3272.2	3283.5	3283.5	3289.1	3306.2	3317.6	3329.1	3357.6
35°	3016.0	2993.4	3016.0	3004.7	3033.2	3016.0	3033.2	3050.3	3050.3	3073.0	3090.1
37.5°	2737.2	2708.7	2720.1	2720.1	2731.4	2725.9	2725.9	2754.3	2759.9	2777.0	2794.1
40°	2407.2	2395.7	2418.6	2412.8	2418.6	2418.6	2424.1	2441.3	2452.6	2458.4	2464.2
42.5°	2111.3	2116.8	2122.6	2122.6	2122.6	2122.6	2122.6	2145.3	2139.7	2156.9	2162.4
45°	1866.5	1843.8	1855.1	1849.6	1866.5	1849.6	1866.5	1883.6	1872.2	1889.4	1877.8
47.5°	1616.1	1616.1	1616.1	1610.5	1621.9	1616.1	1627.4	1633.2	1633.2	1633.2	1627.4
50°	1417.1	1400.0	1405.5	1405.5	1411.3	1405.5	1417.1	1422.6	1422.6	1411.3	1388.6
52.5°	1223.4	1217.8	1217.8	1229.2	1229.2	1223.4	1223.4	1223.4	1223.4	1206.5	1194.9
55°	1064.2	1052.9	1058.4	1058.4	1058.4	1058.4	1064.2	1058.4	1058.4	1041.3	1024.4
57.5°	921.9	910.5	910.5	910.5	916.1	910.5	910.5	910.5	904.8	887.7	865.0
60°	785.4	779.6	785.4	785.4	790.9	785.4	785.4	785.4	774.0	756.9	734.0
62.5°	671.5	671.5	671.5	677.1	677.1	671.5	671.5	665.7	660.2	637.3	614.6
65°	574.8	569.0	574.8	574.8	580.4	580.4	574.8	569.0	563.4	540.6	517.9
67.5°	478.1	472.3	478.1	478.1	483.6	478.1	478.1	478.1	460.9	449.6	426.7
70°	386.9	381.3	381.3	381.3	386.9	375.6	381.3	381.3	370.0	352.9	330.0
72.5°	296.0	296.0	296.0	296.0	296.0	296.0	290.2	290.2	278.8	261.7	250.4
75°	216.3	216.3	221.9	221.9	216.3	216.3	216.3	210.6	204.8	193.5	182.1
77.5°	159.4	159.4	159.4	159.4	153.6	153.6	153.6	147.9	142.3	136.5	125.2
80°	113.8	113.8	113.8	108.1	113.8	108.1	108.1	108.1	96.7	90.9	85.4
82.5°	79.6	74.0	74.0	74.0	74.0	74.0	74.0	68.3	68.3	62.7	56.9
85°	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	39.8	34.2	34.2
87.5°	22.7	28.5	28.5	28.5	28.5	28.5	28.5	22.7	22.7	22.7	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°	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0
2.5°	4689.1	4689.1	4700.4	4683.5	4712.0	4694.8	4689.1	4717.5	4700.4	4694.8	4706.2
5°	4649.3	4655.0	4660.6	4649.3	4677.7	4660.6	4660.6	4689.1	4677.7	4671.9	4689.1
7.5°	4598.1	4603.7	4615.0	4609.4	4632.1	4620.8	4626.6	4655.0	4643.5	4643.5	4660.6
10°	4535.4	4546.7	4558.3	4558.3	4586.6	4575.2	4575.2	4609.4	4598.1	4603.7	4626.6
12.5°	4461.4	4478.5	4495.6	4501.4	4529.8	4512.7	4518.3	4558.3	4552.5	4558.3	4581.0
15°	4381.8	4404.7	4421.6	4421.6	4455.8	4438.7	4455.8	4495.6	4484.3	4506.9	4535.4
17.5°	4290.8	4313.5	4336.2	4342.0	4376.2	4364.6	4387.5	4427.3	4427.3	4438.7	4472.9
20°	4205.4	4233.9	4245.2	4262.3	4296.4	4290.8	4302.2	4347.7	4347.7	4364.6	4398.9
22.5°	4091.6	4120.0	4142.7	4159.8	4188.3	4188.3	4205.4	4245.2	4245.2	4256.6	4290.8
25°	3966.4	4000.4	4017.5	4034.7	4063.1	4057.3	4074.5	4108.7	4114.3	4125.6	4159.8
27.5°	3807.0	3835.4	3858.3	3869.7	3909.5	3886.8	3903.7	3943.7	3937.9	3949.3	3977.7
30°	3608.0	3636.4	3659.1	3659.1	3693.1	3693.1	3710.2	3727.4	3727.4	3738.7	3761.6
32.5°	3374.5	3408.7	3408.7	3425.8	3448.5	3425.8	3448.5	3471.2	3459.9	3477.0	3494.1
35°	3107.0	3124.1	3129.9	3129.9	3147.0	3141.2	3135.5	3152.6	3141.2	3169.7	3186.8
37.5°	2782.8	2805.5	2794.1	2805.5	2799.7	2782.8	2782.8	2811.3	2788.4	2794.1	2811.3
40°	2469.7	2469.7	2464.2	2435.7	2441.3	2424.1	2418.6	2424.1	2401.5	2395.7	2418.6
42.5°	2145.3	2139.7	2122.6	2082.8	2088.4	2059.9	2037.2	2037.2	2025.9	2020.1	2025.9
45°	1855.1	1838.0	1809.5	1764.2	1752.6	1729.9	1684.4	1673.0	1655.9	1655.9	1661.7
47.5°	1587.6	1564.9	1519.4	1468.2	1439.8	1411.3	1365.7	1348.6	1320.1	1308.8	1320.1
50°	1365.7	1325.9	1269.0	1194.9	1166.5	1132.5	1086.9	1058.4	1030.0	1018.6	1012.8
52.5°	1160.9	1104.0	1047.1	956.1	933.2	899.2	836.5	808.0	779.6	756.9	756.9
55°	984.4	933.2	853.6	768.2	734.0	700.0	637.3	597.5	569.0	557.7	546.3
57.5°	825.2	768.2	694.2	603.3	569.0	535.0	472.3	432.5	404.0	386.9	375.6
60°	694.2	631.7	557.7	478.1	438.3	404.0	341.5	301.5	273.1	256.2	244.6
62.5°	569.0	517.9	443.8	370.0	335.8	301.5	250.4	210.6	182.1	170.8	153.6
65°	478.1	426.7	358.4	296.0	267.5	233.3	187.9	153.6	131.0	113.8	102.5
67.5°	386.9	347.1	290.2	233.3	204.8	182.1	142.3	113.8	90.9	79.6	74.0
70°	307.3	267.5	221.9	176.3	159.4	136.5	108.1	79.6	68.3	56.9	51.1
72.5°	227.7	199.2	165.0	131.0	113.8	102.5	74.0	62.7	45.6	39.8	34.2
75°	165.0	142.3	119.4	90.9	79.6	74.0	56.9	39.8	34.2	28.5	22.7
77.5°	113.8	102.5	79.6	62.7	56.9	51.1	39.8	28.5	22.7	17.1	17.1
80°	74.0	62.7	51.1	39.8	39.8	34.2	22.7	17.1	17.1	11.3	11.3
82.5°	45.6	39.8	34.2	28.5	22.7	22.7	17.1	11.3	11.3	5.8	5.8
85°	28.5	22.7	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°	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0
2.5°	4706.2	4706.2	4717.5	4700.4	4712.0	4712.0	4723.3	4700.4	4712.0	4717.5	4728.9
5°	4683.5	4689.1	4700.4	4694.8	4700.4	4700.4	4712.0	4683.5	4706.2	4706.2	4723.3
7.5°	4660.6	4660.6	4671.9	4666.4	4677.7	4683.5	4694.8	4671.9	4694.8	4694.8	4712.0
10°	4632.1	4632.1	4649.3	4643.5	4660.6	4666.4	4683.5	4660.6	4683.5	4689.1	4706.2
12.5°	4592.3	4598.1	4615.0	4615.0	4632.1	4643.5	4660.6	4649.3	4677.7	4683.5	4706.2
15°	4546.7	4558.3	4581.0	4575.2	4592.3	4609.4	4632.1	4615.0	4655.0	4666.4	4689.1
17.5°	4489.8	4501.4	4518.3	4518.3	4535.4	4546.7	4575.2	4563.9	4598.1	4603.7	4632.1
20°	4404.7	4421.6	4444.5	4438.7	4455.8	4467.1	4489.8	4478.5	4512.7	4524.1	4552.5
22.5°	4302.2	4313.5	4330.6	4330.6	4347.7	4359.1	4381.8	4364.6	4398.9	4404.7	4427.3
25°	4165.6	4177.0	4188.3	4194.1	4211.0	4216.8	4228.1	4216.8	4245.2	4251.0	4279.3
27.5°	3989.1	3994.9	4012.0	4012.0	4023.3	4028.9	4046.0	4023.3	4063.1	4063.1	4080.2
30°	3778.5	3772.9	3795.6	3784.3	3795.6	3795.6	3812.7	3801.4	3829.9	3818.5	3835.4
32.5°	3499.7	3511.2	3511.2	3499.7	3522.6	3516.8	3516.8	3505.4	3522.6	3528.1	3539.5
35°	3175.5	3192.4	3192.4	3198.2	3203.9	3186.8	3192.4	3158.4	3186.8	3192.4	3198.2
37.5°	2822.6	2805.5	2816.8	2799.7	2828.2	2794.1	2794.1	2771.4	2794.1	2794.1	2799.7
40°	2418.6	2412.8	2424.1	2412.8	2407.2	2401.5	2390.1	2373.0	2395.7	2384.3	2401.5
42.5°	2037.2	2031.5	2031.5	2020.1	2014.5	2014.5	2003.2	1991.7	1986.1	1986.1	2014.5
45°	1644.6	1655.9	1644.6	1639.0	1650.3	1639.0	1644.6	1621.9	1633.2	1621.9	1633.2
47.5°	1314.6	1320.1	1308.8	1297.5	1314.6	1297.5	1297.5	1280.3	1303.2	1303.2	1291.7
50°	1018.6	1012.8	1001.5	1012.8	1007.3	1007.3	1007.3	990.2	1001.5	984.4	995.9
52.5°	751.1	745.6	745.6	739.8	745.6	739.8	739.8	734.0	734.0	728.4	734.0
55°	546.3	540.6	529.2	529.2	529.2	535.0	529.2	523.6	523.6	517.9	523.6
57.5°	370.0	358.4	358.4	358.4	358.4	352.9	352.9	347.1	352.9	347.1	352.9
60°	239.0	239.0	227.7	227.7	227.7	227.7	227.7	221.9	227.7	227.7	227.7
62.5°	147.9	147.9	142.3	136.5	142.3	136.5	136.5	136.5	142.3	136.5	142.3
65°	96.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
67.5°	68.3	62.7	62.7	62.7	62.7	62.7	62.7	56.9	62.7	62.7	62.7
70°	45.6	45.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
72.5°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
75°	22.7	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: P684587

CATALOG NUMBER: LX6C75D010 EX6C759040 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0	4712.0
2.5°	4712.0	4717.5	4706.2	4712.0	4700.4	4712.0	4717.5	4728.9
5°	4700.4	4706.2	4694.8	4706.2	4694.8	4706.2	4712.0	4723.3
7.5°	4689.1	4700.4	4689.1	4700.4	4689.1	4700.4	4706.2	4717.5
10°	4689.1	4706.2	4694.8	4712.0	4694.8	4706.2	4717.5	4723.3
12.5°	4689.1	4706.2	4700.4	4712.0	4706.2	4717.5	4728.9	4740.2
15°	4677.7	4694.8	4683.5	4700.4	4694.8	4700.4	4723.3	4723.3
17.5°	4615.0	4632.1	4632.1	4643.5	4643.5	4660.6	4671.9	4683.5
20°	4535.4	4552.5	4546.7	4563.9	4563.9	4581.0	4592.3	4603.7
22.5°	4416.0	4438.7	4432.9	4450.0	4444.5	4455.8	4478.5	4472.9
25°	4262.3	4290.8	4285.0	4296.4	4290.8	4290.8	4302.2	4307.7
27.5°	4074.5	4091.6	4085.8	4097.4	4085.8	4097.4	4108.7	4114.3
30°	3829.9	3841.2	3835.4	3841.2	3835.4	3846.8	3852.5	3863.9
32.5°	3533.9	3551.0	3533.9	3545.3	3539.5	3539.5	3562.4	3551.0
35°	3181.0	3186.8	3192.4	3192.4	3181.0	3186.8	3198.2	3198.2
37.5°	2788.4	2816.8	2782.8	2799.7	2794.1	2794.1	2794.1	2811.3
40°	2378.8	2384.3	2373.0	2373.0	2373.0	2367.2	2390.1	2384.3
42.5°	1991.7	1997.4	1991.7	1974.7	1980.3	1980.3	1997.4	1974.7
45°	1616.1	1627.4	1621.9	1621.9	1610.5	1610.5	1616.1	1604.7
47.5°	1280.3	1291.7	1274.8	1280.3	1269.0	1280.3	1274.8	1286.1
50°	973.0	984.4	978.8	984.4	984.4	973.0	990.2	967.5
52.5°	728.4	734.0	728.4	722.7	717.1	717.1	728.4	722.7
55°	517.9	512.1	512.1	512.1	517.9	517.9	512.1	506.5
57.5°	347.1	347.1	341.5	341.5	347.1	335.8	341.5	335.8
60°	221.9	221.9	221.9	221.9	216.3	221.9	221.9	221.9
62.5°	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5
65°	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
67.5°	56.9	62.7	62.7	62.7	56.9	56.9	56.9	56.9
70°	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
72.5°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
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)