

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: P684598

Luminaire Tested: **LX6C75D010 EX6C759730 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684598
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 EX6C759730 6LCSWH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

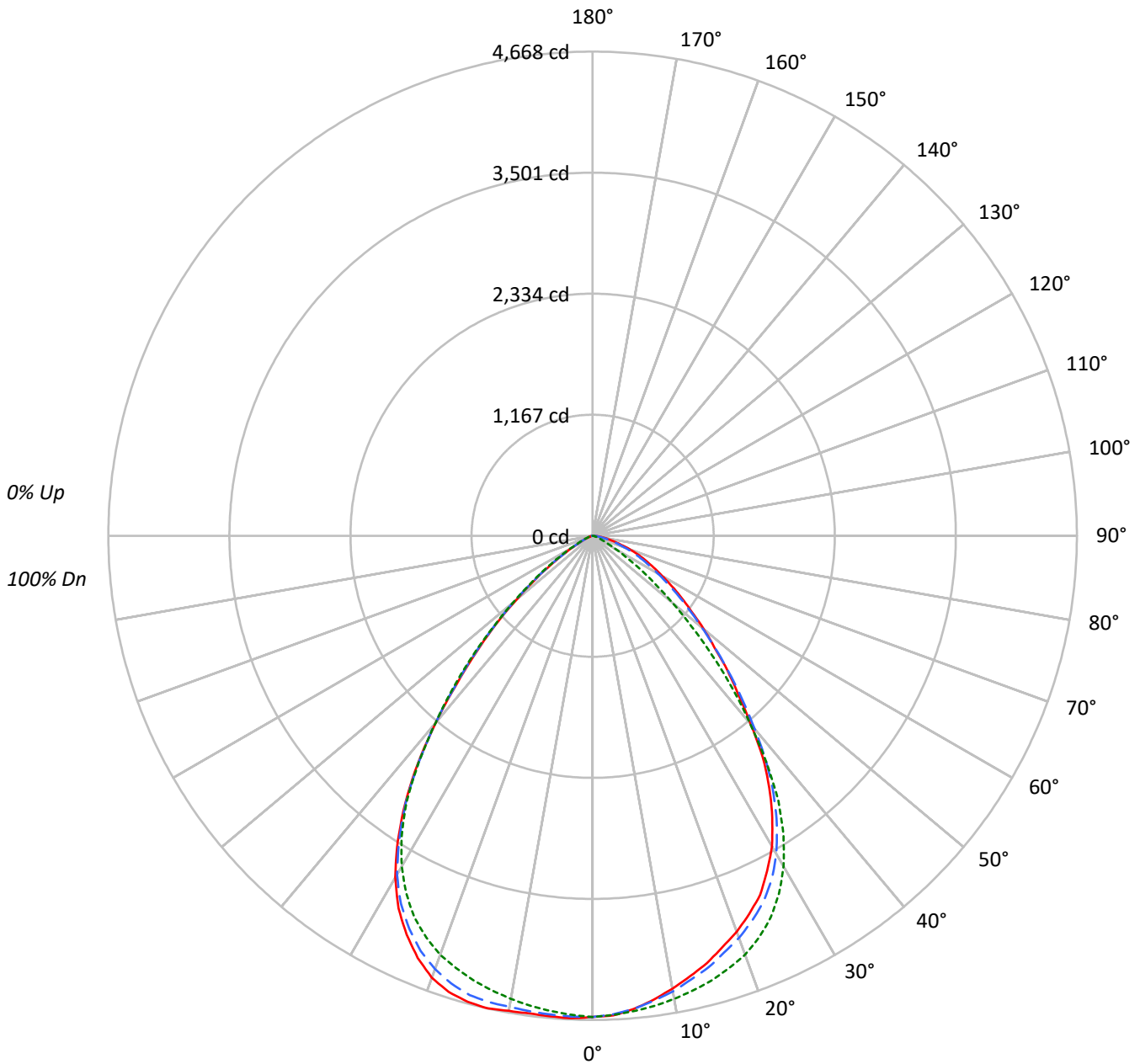
Lumens per Lamp: N/A
Luminaire Lumens: 7784.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	254355	254355	254355
5°	251931	253158	255943
10°	246739	252344	258902
15°	242016	251874	263963
20°	237000	250727	264460
25°	231159	245730	256575
30°	218863	233042	240841
35°	198755	208880	210754
40°	169632	168816	168015
45°	142488	126408	122509
50°	119007	85541	81251
55°	100154	52481	47673
60°	84785	27651	23956
65°	73419	14541	11623
70°	61068	8992	6283
75°	45115	5931	3580
80°	35390	3536	1799
85°	28242	3585	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.3	5.6
10°-20°	1252.0	16.1
20°-30°	1848.8	23.8
30°-40°	1905.4	24.5
40°-50°	1316.0	16.9
50°-60°	648.7	8.3
60°-70°	262.8	3.4
70°-80°	93.7	1.2
80°-90°	19.4	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°	3538.1	45.5
0°-40°	5443.4	69.9
0°-60°	7408.1	95.2
0°-90°	7784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7784.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4640	4640	4640	4640	4640	
5°	4578	4578	4600	4634	4651	432
15°	4264	4309	4438	4584	4651	1201
25°	3822	3894	4062	4180	4242	1747
35°	2970	3043	3121	3138	3149	1840
45°	1838	1849	1630	1608	1580	1421
55°	1048	1009	549	516	499	947
65°	566	510	112	90	90	562
75°	213	179	28	17	17	239
85°	45	34	6	0	0	55
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°	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8
2.5°	4628.4	4611.8	4623.0	4600.4	4628.4	4600.4	4606.1	4611.8	4606.1	4611.8	4617.3
5°	4578.1	4561.2	4578.1	4550.1	4578.1	4561.2	4561.2	4566.9	4566.9	4572.4	4578.1
7.5°	4510.9	4494.0	4510.9	4482.8	4516.3	4499.7	4499.7	4510.9	4505.2	4510.9	4522.0
10°	4432.5	4409.9	4426.8	4409.9	4443.6	4421.1	4432.5	4432.5	4432.5	4449.1	4460.5
12.5°	4348.4	4325.9	4348.4	4320.4	4353.9	4337.2	4342.7	4359.6	4365.1	4376.4	4381.9
15°	4264.3	4236.3	4247.5	4230.6	4264.3	4247.5	4253.2	4275.5	4275.5	4292.4	4309.2
17.5°	4157.9	4135.4	4157.9	4135.4	4163.4	4152.2	4163.4	4180.2	4180.2	4197.1	4213.8
20°	4062.5	4040.1	4057.0	4040.1	4073.8	4057.0	4062.5	4085.0	4090.5	4107.3	4124.2
22.5°	3944.9	3928.0	3939.2	3922.5	3956.0	3944.9	3950.6	3972.9	3978.6	3989.8	4017.8
25°	3821.6	3787.9	3804.7	3793.6	3827.3	3810.4	3821.6	3843.9	3855.3	3872.0	3894.5
27.5°	3642.3	3625.4	3636.6	3636.6	3664.6	3648.0	3653.5	3676.0	3692.6	3709.5	3737.5
30°	3457.5	3429.5	3440.6	3446.1	3468.7	3457.5	3468.7	3491.0	3496.7	3519.0	3541.3
32.5°	3222.1	3210.7	3233.3	3222.1	3233.3	3233.3	3238.8	3255.6	3266.8	3278.2	3306.2
35°	2969.9	2947.5	2969.9	2958.7	2986.7	2969.9	2986.7	3003.6	3003.6	3025.9	3042.8
37.5°	2695.3	2667.3	2678.5	2678.5	2689.6	2684.1	2684.1	2712.2	2717.6	2734.5	2751.4
40°	2370.4	2359.0	2381.5	2375.9	2381.5	2381.5	2387.0	2403.9	2415.1	2420.7	2426.4
42.5°	2079.0	2084.4	2090.1	2090.1	2090.1	2090.1	2090.1	2112.5	2107.0	2123.8	2129.3
45°	1837.9	1815.6	1826.7	1821.2	1837.9	1821.2	1837.9	1854.8	1843.6	1860.4	1849.1
47.5°	1591.4	1591.4	1591.4	1585.9	1597.0	1591.4	1602.5	1608.2	1608.2	1608.2	1602.5
50°	1395.4	1378.5	1384.0	1384.0	1389.7	1384.0	1395.4	1400.9	1400.9	1389.7	1367.4
52.5°	1204.7	1199.2	1199.2	1210.4	1210.4	1204.7	1204.7	1204.7	1204.7	1188.0	1176.7
55°	1047.9	1036.7	1042.2	1042.2	1042.2	1042.2	1047.9	1042.2	1042.2	1025.4	1008.7
57.5°	907.8	896.6	896.6	896.6	902.1	896.6	896.6	896.6	890.9	874.1	851.7
60°	773.3	767.7	773.3	773.3	778.8	773.3	773.3	773.3	762.2	745.3	722.8
62.5°	661.2	661.2	661.2	666.7	666.7	661.2	661.2	655.5	650.1	627.5	605.2
65°	566.0	560.3	566.0	566.0	571.5	571.5	566.0	560.3	554.8	532.3	509.9
67.5°	470.7	465.1	470.7	470.7	476.2	470.7	470.7	470.7	453.9	442.7	420.2
70°	381.0	375.5	375.5	375.5	381.0	369.8	375.5	375.5	364.3	347.5	324.9
72.5°	291.4	291.4	291.4	291.4	291.4	291.4	285.7	285.7	274.6	257.7	246.5
75°	213.0	213.0	218.5	218.5	213.0	213.0	213.0	207.3	201.7	190.5	179.3
77.5°	157.0	157.0	157.0	157.0	151.3	151.3	151.3	145.6	140.1	134.4	123.3
80°	112.1	112.1	112.1	106.4	112.1	106.4	106.4	106.4	95.2	89.6	84.1
82.5°	78.4	72.9	72.9	72.9	72.9	72.9	72.9	67.2	67.2	61.7	56.1
85°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	39.2	33.7	33.7
87.5°	22.3	28.0	28.0	28.0	28.0	28.0	28.0	22.3	22.3	22.3	16.9
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°	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8
2.5°	4617.3	4617.3	4628.4	4611.8	4639.8	4623.0	4617.3	4645.3	4628.4	4623.0	4634.1
5°	4578.1	4583.8	4589.3	4578.1	4606.1	4589.3	4589.3	4617.3	4606.1	4600.4	4617.3
7.5°	4527.7	4533.2	4544.4	4538.9	4561.2	4550.1	4555.8	4583.8	4572.4	4572.4	4589.3
10°	4466.0	4477.2	4488.5	4488.5	4516.3	4505.2	4505.2	4538.9	4527.7	4533.2	4555.8
12.5°	4393.1	4409.9	4426.8	4432.5	4460.5	4443.6	4449.1	4488.5	4482.8	4488.5	4510.9
15°	4314.7	4337.2	4353.9	4353.9	4387.6	4370.7	4387.6	4426.8	4415.6	4438.0	4466.0
17.5°	4225.1	4247.5	4269.8	4275.5	4309.2	4297.8	4320.4	4359.6	4359.6	4370.7	4404.5
20°	4141.1	4169.1	4180.2	4197.1	4230.6	4225.1	4236.3	4281.2	4281.2	4297.8	4331.5
22.5°	4029.0	4057.0	4079.3	4096.2	4124.2	4124.2	4141.1	4180.2	4180.2	4191.4	4225.1
25°	3905.7	3939.2	3956.0	3972.9	4000.9	3995.2	4012.1	4045.8	4051.3	4062.5	4096.2
27.5°	3748.7	3776.7	3799.3	3810.4	3849.6	3827.3	3843.9	3883.3	3877.7	3888.8	3916.9
30°	3552.7	3580.8	3603.1	3603.1	3636.6	3636.6	3653.5	3670.3	3670.3	3681.5	3704.0
32.5°	3322.8	3356.5	3356.5	3373.4	3395.7	3373.4	3395.7	3418.1	3406.9	3423.8	3440.6
35°	3059.4	3076.3	3082.0	3082.0	3098.8	3093.1	3087.5	3104.3	3093.1	3121.2	3138.0
37.5°	2740.2	2762.5	2751.4	2762.5	2756.8	2740.2	2740.2	2768.2	2745.7	2751.4	2768.2
40°	2431.9	2431.9	2426.4	2398.4	2403.9	2387.0	2381.5	2387.0	2364.7	2359.0	2381.5
42.5°	2112.5	2107.0	2090.1	2050.9	2056.4	2028.4	2006.0	2006.0	1994.9	1989.2	1994.9
45°	1826.7	1809.9	1781.8	1737.2	1725.8	1703.5	1658.6	1647.4	1630.5	1630.5	1636.2
47.5°	1563.3	1541.0	1496.1	1445.7	1417.7	1389.7	1344.8	1328.0	1299.9	1288.8	1299.9
50°	1344.8	1305.6	1249.6	1176.7	1148.6	1115.1	1070.2	1042.2	1014.2	1003.0	997.3
52.5°	1143.2	1087.1	1031.0	941.5	918.9	885.4	823.7	795.7	767.7	745.3	745.3
55°	969.3	918.9	840.6	756.5	722.8	689.3	627.5	588.3	560.3	549.1	538.0
57.5°	812.5	756.5	683.6	594.0	560.3	526.8	465.1	425.9	397.8	381.0	369.8
60°	683.6	622.0	549.1	470.7	431.6	397.8	336.3	296.9	268.9	252.2	240.9
62.5°	560.3	509.9	437.0	364.3	330.6	296.9	246.5	207.3	179.3	168.2	151.3
65°	470.7	420.2	353.0	291.4	263.4	229.7	185.0	151.3	129.0	112.1	100.9
67.5°	381.0	341.8	285.7	229.7	201.7	179.3	140.1	112.1	89.6	78.4	72.9
70°	302.6	263.4	218.5	173.6	157.0	134.4	106.4	78.4	67.2	56.1	50.4
72.5°	224.2	196.2	162.5	129.0	112.1	100.9	72.9	61.7	44.9	39.2	33.7
75°	162.5	140.1	117.6	89.6	78.4	72.9	56.1	39.2	33.7	28.0	22.3
77.5°	112.1	100.9	78.4	61.7	56.1	50.4	39.2	28.0	22.3	16.9	16.9
80°	72.9	61.7	50.4	39.2	39.2	33.7	22.3	16.9	16.9	11.2	11.2
82.5°	44.9	39.2	33.7	28.0	22.3	22.3	16.9	11.2	11.2	5.7	5.7
85°	28.0	22.3	16.9	16.9	11.2	11.2	11.2	5.7	5.7	5.7	5.7
87.5°	11.2	11.2	11.2	5.7	5.7	5.7	5.7	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°	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8
2.5°	4634.1	4634.1	4645.3	4628.4	4639.8	4639.8	4651.0	4628.4	4639.8	4645.3	4656.5
5°	4611.8	4617.3	4628.4	4623.0	4628.4	4628.4	4639.8	4611.8	4634.1	4634.1	4651.0
7.5°	4589.3	4589.3	4600.4	4594.9	4606.1	4611.8	4623.0	4600.4	4623.0	4623.0	4639.8
10°	4561.2	4561.2	4578.1	4572.4	4589.3	4594.9	4611.8	4589.3	4611.8	4617.3	4634.1
12.5°	4522.0	4527.7	4544.4	4544.4	4561.2	4572.4	4589.3	4578.1	4606.1	4611.8	4634.1
15°	4477.2	4488.5	4510.9	4505.2	4522.0	4538.9	4561.2	4544.4	4583.8	4594.9	4617.3
17.5°	4421.1	4432.5	4449.1	4449.1	4466.0	4477.2	4505.2	4494.0	4527.7	4533.2	4561.2
20°	4337.2	4353.9	4376.4	4370.7	4387.6	4398.8	4421.1	4409.9	4443.6	4454.8	4482.8
22.5°	4236.3	4247.5	4264.3	4264.3	4281.2	4292.4	4314.7	4297.8	4331.5	4337.2	4359.6
25°	4101.9	4113.0	4124.2	4129.9	4146.5	4152.2	4163.4	4152.2	4180.2	4185.9	4213.8
27.5°	3928.0	3933.7	3950.6	3950.6	3961.7	3967.2	3984.1	3961.7	4000.9	4000.9	4017.8
30°	3720.7	3715.2	3737.5	3726.4	3737.5	3737.5	3754.4	3743.2	3771.2	3760.1	3776.7
32.5°	3446.1	3457.5	3457.5	3446.1	3468.7	3463.0	3463.0	3451.8	3468.7	3474.1	3485.3
35°	3126.9	3143.5	3143.5	3149.2	3154.9	3138.0	3143.5	3110.0	3138.0	3143.5	3149.2
37.5°	2779.4	2762.5	2773.7	2756.8	2784.9	2751.4	2751.4	2729.0	2751.4	2751.4	2756.8
40°	2381.5	2375.9	2387.0	2375.9	2370.4	2364.7	2353.5	2336.7	2359.0	2347.8	2364.7
42.5°	2006.0	2000.4	2000.4	1989.2	1983.7	1983.7	1972.5	1961.2	1955.7	1955.7	1983.7
45°	1619.4	1630.5	1619.4	1613.9	1625.1	1613.9	1619.4	1597.0	1608.2	1597.0	1608.2
47.5°	1294.4	1299.9	1288.8	1277.6	1294.4	1277.6	1277.6	1260.7	1283.3	1283.3	1271.9
50°	1003.0	997.3	986.2	997.3	991.9	991.9	991.9	975.0	986.2	969.3	980.7
52.5°	739.6	734.1	734.1	728.5	734.1	728.5	728.5	722.8	722.8	717.3	722.8
55°	538.0	532.3	521.1	521.1	521.1	526.8	521.1	515.6	515.6	509.9	515.6
57.5°	364.3	353.0	353.0	353.0	353.0	347.5	347.5	341.8	347.5	341.8	347.5
60°	235.4	235.4	224.2	224.2	224.2	224.2	224.2	218.5	224.2	224.2	224.2
62.5°	145.6	145.6	140.1	134.4	140.1	134.4	134.4	134.4	140.1	134.4	140.1
65°	95.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
67.5°	67.2	61.7	61.7	61.7	61.7	61.7	61.7	56.1	61.7	61.7	61.7
70°	44.9	44.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
72.5°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
75°	22.3	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
77.5°	16.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
80°	11.2	11.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
82.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
85°	5.7	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	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
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: P684598

CATALOG NUMBER: LX6C75D010 EX6C759730 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8	4639.8
2.5°	4639.8	4645.3	4634.1	4639.8	4628.4	4639.8	4645.3	4656.5
5°	4628.4	4634.1	4623.0	4634.1	4623.0	4634.1	4639.8	4651.0
7.5°	4617.3	4628.4	4617.3	4628.4	4617.3	4628.4	4634.1	4645.3
10°	4617.3	4634.1	4623.0	4639.8	4623.0	4634.1	4645.3	4651.0
12.5°	4617.3	4634.1	4628.4	4639.8	4634.1	4645.3	4656.5	4667.6
15°	4606.1	4623.0	4611.8	4628.4	4623.0	4628.4	4651.0	4651.0
17.5°	4544.4	4561.2	4561.2	4572.4	4572.4	4589.3	4600.4	4611.8
20°	4466.0	4482.8	4477.2	4494.0	4494.0	4510.9	4522.0	4533.2
22.5°	4348.4	4370.7	4365.1	4381.9	4376.4	4387.6	4409.9	4404.5
25°	4197.1	4225.1	4219.4	4230.6	4225.1	4225.1	4236.3	4241.8
27.5°	4012.1	4029.0	4023.3	4034.6	4023.3	4034.6	4045.8	4051.3
30°	3771.2	3782.4	3776.7	3782.4	3776.7	3787.9	3793.6	3804.7
32.5°	3479.8	3496.7	3479.8	3491.0	3485.3	3485.3	3507.8	3496.7
35°	3132.3	3138.0	3143.5	3143.5	3132.3	3138.0	3149.2	3149.2
37.5°	2745.7	2773.7	2740.2	2756.8	2751.4	2751.4	2751.4	2768.2
40°	2342.4	2347.8	2336.7	2336.7	2336.7	2331.0	2353.5	2347.8
42.5°	1961.2	1966.9	1961.2	1944.5	1950.0	1950.0	1966.9	1944.5
45°	1591.4	1602.5	1597.0	1597.0	1585.9	1585.9	1591.4	1580.2
47.5°	1260.7	1271.9	1255.3	1260.7	1249.6	1260.7	1255.3	1266.4
50°	958.1	969.3	963.8	969.3	969.3	958.1	975.0	952.7
52.5°	717.3	722.8	717.3	711.6	706.1	706.1	717.3	711.6
55°	509.9	504.3	504.3	504.3	509.9	509.9	504.3	498.8
57.5°	341.8	341.8	336.3	336.3	341.8	330.6	336.3	330.6
60°	218.5	218.5	218.5	218.5	213.0	218.5	218.5	218.5
62.5°	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4
65°	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
67.5°	56.1	61.7	61.7	61.7	56.1	56.1	56.1	56.1
70°	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
72.5°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
75°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
77.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
80°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
82.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	5.7	5.7	5.7	5.7	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)