

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: P684704

Luminaire Tested: **LX6C90D010 EX6C909040 6LCSWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684704
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: LX6C90D010 EX6C909040 6LCSWH
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

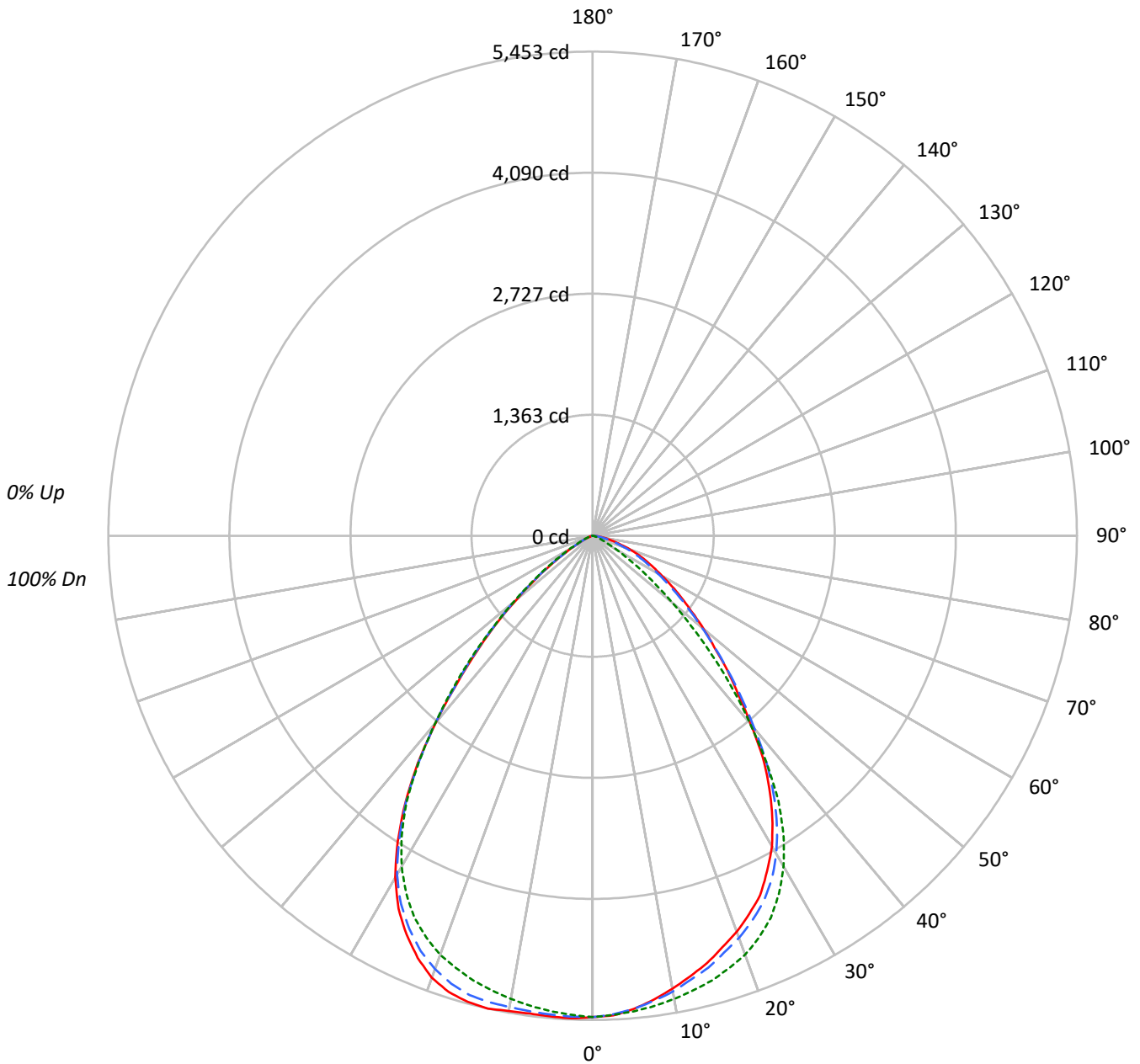
Lumens per Lamp: N/A
Luminaire Lumens: 9094.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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: P684704

CATALOG NUMBER: LX6C90D010 EX6C909040 6LCSWH

Luminous Intensity Polar Plot





TEST NUMBER: P684704

CATALOG NUMBER: LX6C90D010 EX6C909040 6LCSWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	297164	297164	297164
5°	294331	295762	299014
10°	288260	294812	302472
15°	282749	294258	308384
20°	276880	292923	308966
25°	270064	287079	299751
30°	255698	272257	281379
35°	232203	244028	246223
40°	198178	197227	196296
45°	166467	147690	143123
50°	139032	99937	94922
55°	117014	61322	55692
60°	99060	32311	27991
65°	85768	16993	13568
70°	71342	10499	7341
75°	52719	6926	4173
80°	41356	4104	2084
85°	32959	4151	0



TEST NUMBER: P684704

CATALOG NUMBER: LX6C90D010 EX6C909040 6LCSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.9	5.6
10°-20°	1462.7	16.1
20°-30°	2159.9	23.8
30°-40°	2226.0	24.5
40°-50°	1537.5	16.9
50°-60°	757.8	8.3
60°-70°	307.1	3.4
70°-80°	109.4	1.2
80°-90°	22.6	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°	4133.5	45.5
0°-40°	6359.5	69.9
0°-60°	8654.8	95.2
0°-90°	9094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9094.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5421	5421	5421	5421	5421	
5°	5349	5349	5375	5414	5434	505
15°	4982	5034	5185	5355	5434	1403
25°	4465	4550	4746	4884	4956	2041
35°	3470	3555	3646	3666	3679	2150
45°	2147	2160	1905	1879	1846	1660
55°	1224	1178	642	602	583	1106
65°	661	596	131	105	105	657
75°	249	210	33	20	20	279
85°	52	39	7	0	0	64
90°	0	0	0	0	0	



TEST NUMBER: P684704

CATALOG NUMBER: LX6C90D010 EX6C909040 6LCSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7
2.5°	5407.4	5387.9	5401.0	5374.6	5407.4	5374.6	5381.3	5387.9	5381.3	5387.9	5394.3
5°	5348.6	5328.9	5348.6	5315.8	5348.6	5328.9	5328.9	5335.5	5335.5	5341.9	5348.6
7.5°	5270.0	5250.3	5270.0	5237.3	5276.4	5257.0	5257.0	5270.0	5263.4	5270.0	5283.1
10°	5178.4	5152.1	5171.8	5152.1	5191.5	5165.1	5178.4	5178.4	5178.4	5197.9	5211.2
12.5°	5080.2	5053.9	5080.2	5047.5	5086.6	5067.2	5073.6	5093.3	5099.7	5113.0	5119.4
15°	4982.0	4949.2	4962.3	4942.6	4982.0	4962.3	4968.9	4995.0	4995.0	5014.7	5034.4
17.5°	4857.7	4831.3	4857.7	4831.3	4864.1	4851.0	4864.1	4883.8	4883.8	4903.5	4922.9
20°	4746.1	4720.0	4739.7	4720.0	4759.4	4739.7	4746.1	4772.5	4778.9	4798.6	4818.3
22.5°	4608.8	4589.1	4602.1	4582.7	4621.8	4608.8	4615.4	4641.5	4648.2	4661.2	4694.0
25°	4464.8	4425.4	4445.1	4432.0	4471.4	4451.7	4464.8	4490.9	4504.1	4523.6	4549.9
27.5°	4255.3	4235.6	4248.6	4248.6	4281.4	4261.9	4268.3	4294.6	4314.1	4333.8	4366.5
30°	4039.4	4006.6	4019.7	4026.1	4052.4	4039.4	4052.4	4078.5	4085.1	4111.2	4137.3
32.5°	3764.4	3751.1	3777.4	3764.4	3777.4	3777.4	3783.8	3803.5	3816.6	3829.9	3862.6
35°	3469.7	3443.6	3469.7	3456.6	3489.4	3469.7	3489.4	3509.1	3509.1	3535.2	3554.9
37.5°	3148.9	3116.2	3129.2	3129.2	3142.3	3135.9	3135.9	3168.6	3175.0	3194.7	3214.4
40°	2769.3	2756.0	2782.3	2775.7	2782.3	2782.3	2788.8	2808.4	2821.5	2828.1	2834.8
42.5°	2428.8	2435.2	2441.9	2441.9	2441.9	2441.9	2441.9	2468.0	2461.6	2481.3	2487.7
45°	2147.2	2121.1	2134.2	2127.8	2147.2	2127.8	2147.2	2166.9	2153.8	2173.5	2160.2
47.5°	1859.2	1859.2	1859.2	1852.8	1865.8	1859.2	1872.2	1878.9	1878.9	1878.9	1872.2
50°	1630.2	1610.5	1616.9	1616.9	1623.6	1616.9	1630.2	1636.6	1636.6	1623.6	1597.5
52.5°	1407.4	1401.0	1401.0	1414.1	1414.1	1407.4	1407.4	1407.4	1407.4	1388.0	1374.7
55°	1224.3	1211.2	1217.6	1217.6	1217.6	1217.6	1224.3	1217.6	1217.6	1197.9	1178.5
57.5°	1060.6	1047.5	1047.5	1047.5	1053.9	1047.5	1047.5	1047.5	1040.9	1021.2	995.1
60°	903.5	896.8	903.5	903.5	909.9	903.5	903.5	903.5	890.4	870.7	844.4
62.5°	772.5	772.5	772.5	778.9	778.9	772.5	772.5	765.9	759.5	733.1	707.0
65°	661.2	654.6	661.2	661.2	667.6	667.6	661.2	654.6	648.2	621.9	595.8
67.5°	550.0	543.3	550.0	550.0	556.4	550.0	550.0	550.0	530.3	517.2	490.9
70°	445.1	438.7	438.7	438.7	445.1	432.0	438.7	438.7	425.6	406.0	379.6
72.5°	340.5	340.5	340.5	340.5	340.5	340.5	333.8	333.8	320.8	301.1	288.0
75°	248.9	248.9	255.3	255.3	248.9	248.9	248.9	242.2	235.6	222.5	209.5
77.5°	183.4	183.4	183.4	183.4	176.8	176.8	176.8	170.1	163.7	157.1	144.0
80°	131.0	131.0	131.0	124.3	131.0	124.3	124.3	124.3	111.3	104.6	98.2
82.5°	91.6	85.2	85.2	85.2	85.2	85.2	85.2	78.5	78.5	72.1	65.5
85°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	45.8	39.4	39.4
87.5°	26.1	32.7	32.7	32.7	32.7	32.7	32.7	26.1	26.1	26.1	19.7
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: P684704

CATALOG NUMBER: LX6C90D010 EX6C909040 6LCSWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7
2.5°	5394.3	5394.3	5407.4	5387.9	5420.7	5401.0	5394.3	5427.1	5407.4	5401.0	5414.0
5°	5348.6	5355.2	5361.6	5348.6	5381.3	5361.6	5361.6	5394.3	5381.3	5374.6	5394.3
7.5°	5289.7	5296.1	5309.2	5302.8	5328.9	5315.8	5322.5	5355.2	5341.9	5341.9	5361.6
10°	5217.6	5230.6	5243.9	5243.9	5276.4	5263.4	5263.4	5302.8	5289.7	5296.1	5322.5
12.5°	5132.4	5152.1	5171.8	5178.4	5211.2	5191.5	5197.9	5243.9	5237.3	5243.9	5270.0
15°	5040.8	5067.2	5086.6	5086.6	5126.0	5106.3	5126.0	5171.8	5158.7	5184.8	5217.6
17.5°	4936.2	4962.3	4988.4	4995.0	5034.4	5021.1	5047.5	5093.3	5093.3	5106.3	5145.7
20°	4838.0	4870.7	4883.8	4903.5	4942.6	4936.2	4949.2	5001.7	5001.7	5021.1	5060.5
22.5°	4707.0	4739.7	4765.8	4785.5	4818.3	4818.3	4838.0	4883.8	4883.8	4896.8	4936.2
25°	4563.0	4602.1	4621.8	4641.5	4674.3	4667.6	4687.3	4726.7	4733.1	4746.1	4785.5
27.5°	4379.6	4412.3	4438.7	4451.7	4497.5	4471.4	4490.9	4536.9	4530.2	4543.3	4576.0
30°	4150.6	4183.4	4209.5	4209.5	4248.6	4248.6	4268.3	4288.0	4288.0	4301.0	4327.4
32.5°	3882.0	3921.4	3921.4	3941.1	3967.2	3941.1	3967.2	3993.3	3980.3	4000.0	4019.7
35°	3574.3	3594.0	3600.7	3600.7	3620.4	3613.7	3607.1	3626.8	3613.7	3646.4	3666.1
37.5°	3201.4	3227.4	3214.4	3227.4	3220.8	3201.4	3201.4	3234.1	3207.8	3214.4	3234.1
40°	2841.2	2841.2	2834.8	2802.0	2808.4	2788.8	2782.3	2788.8	2762.7	2756.0	2782.3
42.5°	2468.0	2461.6	2441.9	2396.1	2402.5	2369.7	2343.7	2343.7	2330.6	2324.0	2330.6
45°	2134.2	2114.5	2081.7	2029.5	2016.2	1990.1	1937.7	1924.7	1905.0	1905.0	1911.6
47.5°	1826.4	1800.3	1747.9	1689.1	1656.3	1623.6	1571.1	1551.4	1518.7	1505.6	1518.7
50°	1571.1	1525.3	1459.9	1374.7	1341.9	1302.8	1250.4	1217.6	1184.9	1171.8	1165.2
52.5°	1335.5	1270.1	1204.6	1099.9	1073.6	1034.5	962.3	929.6	896.8	870.7	870.7
55°	1132.4	1073.6	982.0	883.8	844.4	805.3	733.1	687.3	654.6	641.6	628.5
57.5°	949.3	883.8	798.6	694.0	654.6	615.5	543.3	497.5	464.8	445.1	432.0
60°	798.6	726.7	641.6	550.0	504.2	464.8	392.9	346.9	314.1	294.7	281.4
62.5°	654.6	595.8	510.6	425.6	386.3	346.9	288.0	242.2	209.5	196.5	176.8
65°	550.0	490.9	412.4	340.5	307.7	268.3	216.1	176.8	150.7	131.0	117.9
67.5°	445.1	399.3	333.8	268.3	235.6	209.5	163.7	131.0	104.6	91.6	85.2
70°	353.5	307.7	255.3	202.9	183.4	157.1	124.3	91.6	78.5	65.5	58.8
72.5°	261.9	229.2	189.8	150.7	131.0	117.9	85.2	72.1	52.4	45.8	39.4
75°	189.8	163.7	137.4	104.6	91.6	85.2	65.5	45.8	39.4	32.7	26.1
77.5°	131.0	117.9	91.6	72.1	65.5	58.8	45.8	32.7	26.1	19.7	19.7
80°	85.2	72.1	58.8	45.8	45.8	39.4	26.1	19.7	19.7	13.0	13.0
82.5°	52.4	45.8	39.4	32.7	26.1	26.1	19.7	13.0	13.0	6.6	6.6
85°	32.7	26.1	19.7	19.7	13.0	13.0	13.0	6.6	6.6	6.6	6.6
87.5°	13.0	13.0	13.0	6.6	6.6	6.6	6.6	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: P684704

CATALOG NUMBER: LX6C90D010 EX6C909040 6LCSWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7
2.5°	5414.0	5414.0	5427.1	5407.4	5420.7	5420.7	5433.7	5407.4	5420.7	5427.1	5440.1
5°	5387.9	5394.3	5407.4	5401.0	5407.4	5407.4	5420.7	5387.9	5414.0	5414.0	5433.7
7.5°	5361.6	5361.6	5374.6	5368.2	5381.3	5387.9	5401.0	5374.6	5401.0	5401.0	5420.7
10°	5328.9	5328.9	5348.6	5341.9	5361.6	5368.2	5387.9	5361.6	5387.9	5394.3	5414.0
12.5°	5283.1	5289.7	5309.2	5309.2	5328.9	5341.9	5361.6	5348.6	5381.3	5387.9	5414.0
15°	5230.6	5243.9	5270.0	5263.4	5283.1	5302.8	5328.9	5309.2	5355.2	5368.2	5394.3
17.5°	5165.1	5178.4	5197.9	5197.9	5217.6	5230.6	5263.4	5250.3	5289.7	5296.1	5328.9
20°	5067.2	5086.6	5113.0	5106.3	5126.0	5139.1	5165.1	5152.1	5191.5	5204.5	5237.3
22.5°	4949.2	4962.3	4982.0	4982.0	5001.7	5014.7	5040.8	5021.1	5060.5	5067.2	5093.3
25°	4792.2	4805.2	4818.3	4824.9	4844.4	4851.0	4864.1	4851.0	4883.8	4890.4	4922.9
27.5°	4589.1	4595.7	4615.4	4615.4	4628.5	4634.9	4654.6	4628.5	4674.3	4674.3	4694.0
30°	4346.8	4340.4	4366.5	4353.5	4366.5	4366.5	4386.2	4373.2	4405.9	4392.9	4412.3
32.5°	4026.1	4039.4	4039.4	4026.1	4052.4	4045.8	4045.8	4032.7	4052.4	4058.8	4071.9
35°	3653.1	3672.5	3672.5	3679.2	3685.8	3666.1	3672.5	3633.4	3666.1	3672.5	3679.2
37.5°	3247.1	3227.4	3240.5	3220.8	3253.5	3214.4	3214.4	3188.3	3214.4	3214.4	3220.8
40°	2782.3	2775.7	2788.8	2775.7	2769.3	2762.7	2749.6	2729.9	2756.0	2743.0	2762.7
42.5°	2343.7	2337.0	2337.0	2324.0	2317.6	2317.6	2304.5	2291.2	2284.8	2284.8	2317.6
45°	1891.9	1905.0	1891.9	1885.5	1898.6	1885.5	1891.9	1865.8	1878.9	1865.8	1878.9
47.5°	1512.3	1518.7	1505.6	1492.6	1512.3	1492.6	1492.6	1472.9	1499.2	1499.2	1486.0
50°	1171.8	1165.2	1152.1	1165.2	1158.8	1158.8	1158.8	1139.1	1152.1	1132.4	1145.7
52.5°	864.1	857.7	857.7	851.1	857.7	851.1	851.1	844.4	844.4	838.0	844.4
55°	628.5	621.9	608.8	608.8	608.8	615.5	608.8	602.4	602.4	595.8	602.4
57.5°	425.6	412.4	412.4	412.4	412.4	406.0	406.0	399.3	406.0	399.3	406.0
60°	275.0	275.0	261.9	261.9	261.9	261.9	261.9	255.3	261.9	261.9	261.9
62.5°	170.1	170.1	163.7	157.1	163.7	157.1	157.1	157.1	163.7	157.1	163.7
65°	111.3	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
67.5°	78.5	72.1	72.1	72.1	72.1	72.1	72.1	65.5	72.1	72.1	72.1
70°	52.4	52.4	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
72.5°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
75°	26.1	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
77.5°	19.7	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
80°	13.0	13.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
85°	6.6	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	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
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: P684704

CATALOG NUMBER: LX6C90D010 EX6C909040 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7	5420.7
2.5°	5420.7	5427.1	5414.0	5420.7	5407.4	5420.7	5427.1	5440.1
5°	5407.4	5414.0	5401.0	5414.0	5401.0	5414.0	5420.7	5433.7
7.5°	5394.3	5407.4	5394.3	5407.4	5394.3	5407.4	5414.0	5427.1
10°	5394.3	5414.0	5401.0	5420.7	5401.0	5414.0	5427.1	5433.7
12.5°	5394.3	5414.0	5407.4	5420.7	5414.0	5427.1	5440.1	5453.2
15°	5381.3	5401.0	5387.9	5407.4	5401.0	5407.4	5433.7	5433.7
17.5°	5309.2	5328.9	5328.9	5341.9	5341.9	5361.6	5374.6	5387.9
20°	5217.6	5237.3	5230.6	5250.3	5250.3	5270.0	5283.1	5296.1
22.5°	5080.2	5106.3	5099.7	5119.4	5113.0	5126.0	5152.1	5145.7
25°	4903.5	4936.2	4929.5	4942.6	4936.2	4936.2	4949.2	4955.6
27.5°	4687.3	4707.0	4700.4	4713.6	4700.4	4713.6	4726.7	4733.1
30°	4405.9	4419.0	4412.3	4419.0	4412.3	4425.4	4432.0	4445.1
32.5°	4065.5	4085.1	4065.5	4078.5	4071.9	4071.9	4098.2	4085.1
35°	3659.5	3666.1	3672.5	3672.5	3659.5	3666.1	3679.2	3679.2
37.5°	3207.8	3240.5	3201.4	3220.8	3214.4	3214.4	3214.4	3234.1
40°	2736.6	2743.0	2729.9	2729.9	2729.9	2723.3	2749.6	2743.0
42.5°	2291.2	2297.9	2291.2	2271.8	2278.2	2278.2	2297.9	2271.8
45°	1859.2	1872.2	1865.8	1865.8	1852.8	1852.8	1859.2	1846.1
47.5°	1472.9	1486.0	1466.5	1472.9	1459.9	1472.9	1466.5	1479.6
50°	1119.4	1132.4	1126.0	1132.4	1132.4	1119.4	1139.1	1113.0
52.5°	838.0	844.4	838.0	831.4	825.0	825.0	838.0	831.4
55°	595.8	589.1	589.1	589.1	595.8	595.8	589.1	582.7
57.5°	399.3	399.3	392.9	392.9	399.3	386.3	392.9	386.3
60°	255.3	255.3	255.3	255.3	248.9	255.3	255.3	255.3
62.5°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1
65°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
67.5°	65.5	72.1	72.1	72.1	65.5	65.5	65.5	65.5
70°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
72.5°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
75°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
77.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
80°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.6	6.6	6.6	6.6	6.6	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)