

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: P#

Luminaire Tested: **LX6C10D010 EX6C109727 6LBSQLI**

Issue Date: 2/15/2022

**Test Information**

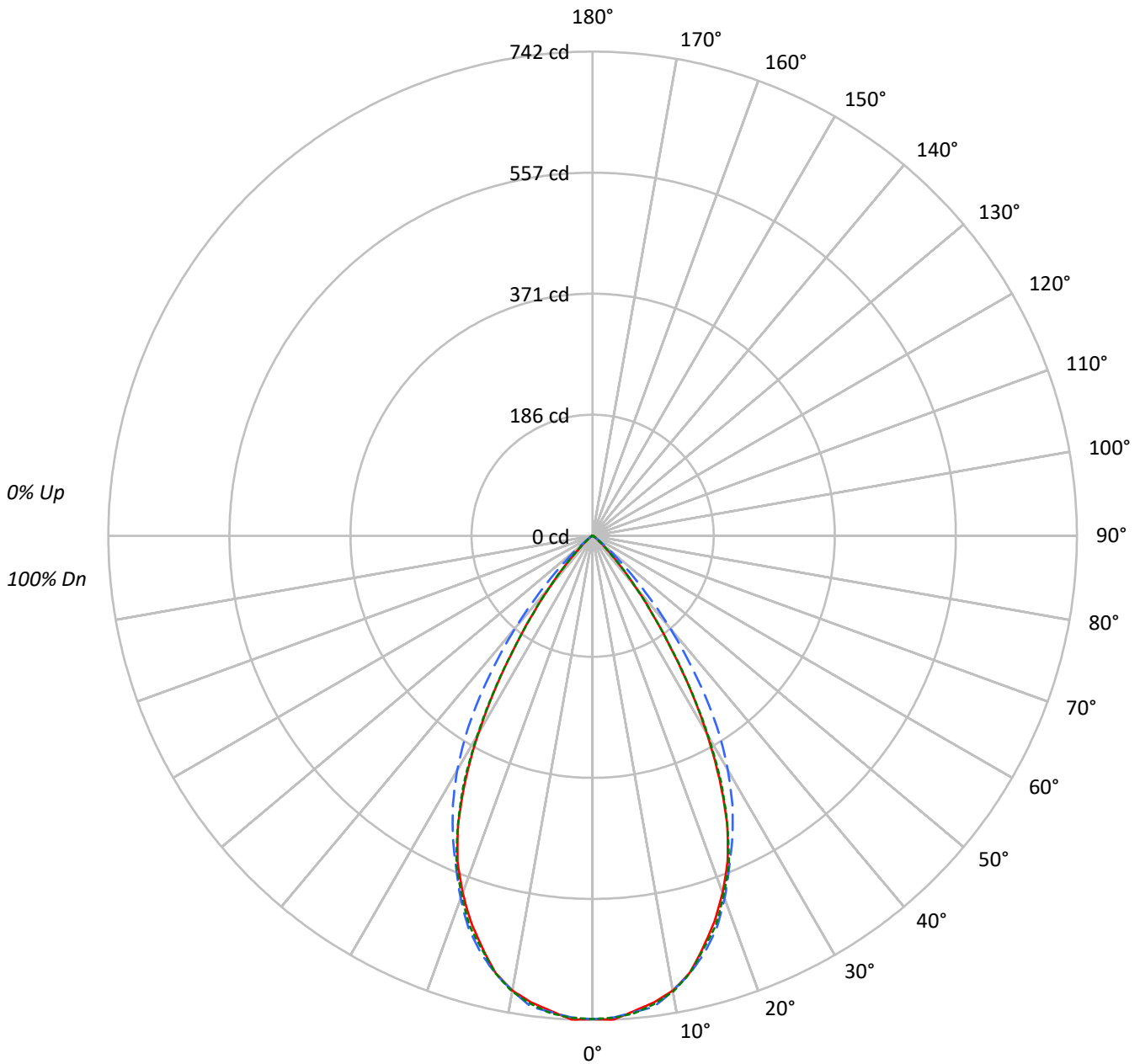
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209355)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109727 6LBSQLI  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS  
AND 6LBSQ TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 696.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.8  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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									
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53																			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	31891	31891	31891
5°	31590	31667	31750
10°	30932	30932	31015
15°	29125	29499	29227
20°	26667	27093	26859
25°	23169	24076	23193
30°	17426	20602	17590
35°	10817	15873	10864
40°	5694	10336	5665
45°	2356	5170	2417
50°	904	1936	904
55°	488	593	458
60°	319	284	319
65°	194	194	194
70°	113	176	113
75°	83	83	83
80°	124	124	124
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.3	10.0
10°-20°	184.4	26.5
20°-30°	226.4	32.5
30°-40°	156.3	22.5
40°-50°	48.9	7.0
50°-60°	7.6	1.1
60°-70°	2.2	0.3
70°-80°	0.7	0.1
80°-90°	0.2	0.0
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°	480.2	69.0
0°-40°	636.4	91.4
0°-60°	692.9	99.6
0°-90°	696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	731	734	733	733	735	69
15°	653	663	662	661	656	183
25°	488	500	507	504	488	219
35°	206	243	302	246	207	131
45°	39	53	85	52	40	35
55°	6	7	8	7	6	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7
2.5°	742.1	731.8	738.3	736.9	740.7	743.0	740.7	744.8	742.1	738.8	739.7
5°	730.9	732.3	731.8	732.7	733.6	733.6	738.3	738.8	739.7	732.7	734.6
7.5°	721.1	721.1	723.4	722.5	725.7	724.8	725.2	729.0	729.4	727.6	726.2
10°	707.5	705.6	703.3	703.3	707.5	708.0	711.7	712.2	715.0	707.5	708.4
12.5°	686.5	685.6	681.8	683.7	687.0	685.1	691.2	691.6	690.7	687.5	689.3
15°	653.4	657.1	656.2	655.7	663.2	662.2	661.8	663.2	663.6	661.8	660.4
17.5°	620.2	623.5	624.0	624.9	626.3	627.7	629.6	634.7	632.8	631.4	636.1
20°	582.0	580.6	584.3	588.0	589.4	589.4	592.2	596.0	593.2	591.3	591.8
22.5°	540.4	542.8	540.9	544.6	546.5	548.8	551.6	554.9	552.6	547.4	553.5
25°	487.7	489.1	495.2	494.7	497.5	503.1	507.3	507.3	507.3	506.8	506.8
27.5°	421.4	420.5	428.0	433.1	440.1	449.0	454.6	463.4	464.8	463.4	460.2
30°	350.5	349.6	358.9	365.4	378.0	382.2	397.6	406.0	414.9	414.4	412.1
32.5°	276.8	278.6	286.1	295.4	305.7	318.7	333.2	351.9	359.8	361.7	357.5
35°	205.8	208.6	215.6	223.6	236.1	250.6	270.7	288.4	302.0	302.0	298.7
37.5°	148.4	149.3	155.9	161.0	174.1	187.1	204.4	228.7	237.1	240.3	237.1
40°	101.3	101.3	105.0	110.6	121.3	132.5	148.4	166.6	178.7	183.9	178.3
42.5°	64.4	65.3	68.1	71.9	79.8	89.6	101.7	115.3	124.1	127.9	122.7
45°	38.7	39.7	42.0	44.8	49.9	56.0	64.4	74.2	81.7	84.9	82.6
47.5°	23.3	24.3	25.2	27.1	30.8	35.0	39.2	44.8	49.5	49.9	49.0
50°	13.5	13.5	14.5	15.9	17.7	20.1	22.4	25.7	27.1	28.9	27.1
52.5°	8.9	8.9	8.9	9.3	10.3	11.2	12.1	14.0	14.9	14.9	14.5
55°	6.5	6.5	6.5	6.5	7.0	7.0	7.0	7.5	7.9	7.9	7.9
57.5°	4.7	4.7	4.7	5.1	5.1	5.1	4.7	4.7	4.7	4.7	4.7
60°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.3	3.3	3.3
62.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
65°	1.9	1.9	1.9	2.3	2.3	2.3	2.3	1.9	1.9	1.9	1.9
67.5°	1.4	1.4	1.4	1.9	1.9	1.9	1.9	1.9	1.4	1.4	1.4
70°	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	740.7	740.7	740.7	740.7	740.7	740.7	740.7	740.7
2.5°	742.5	740.2	740.2	740.2	739.2	740.2	741.6	739.2
5°	734.6	735.5	731.3	734.6	736.0	733.6	739.2	734.6
7.5°	727.6	726.2	719.6	724.3	727.1	728.0	727.6	723.8
10°	713.6	710.3	707.5	707.5	706.6	706.1	711.3	709.4
12.5°	688.4	690.7	686.5	688.8	687.0	687.5	687.9	687.0
15°	666.9	664.6	659.0	662.7	660.4	658.1	662.7	655.7
17.5°	633.3	632.8	629.6	627.2	628.2	627.7	630.0	626.8
20°	593.6	594.6	592.7	591.8	590.4	587.1	589.9	586.2
22.5°	550.7	551.6	553.5	549.8	550.2	545.6	549.8	545.6
25°	507.3	506.8	504.5	502.6	497.5	492.4	491.4	488.2
27.5°	459.7	456.4	450.8	444.8	436.8	429.8	429.4	427.0
30°	407.4	400.4	390.2	380.4	368.2	357.5	357.5	353.8
32.5°	352.4	336.5	322.5	310.4	294.5	288.4	282.4	279.1
35°	286.6	272.6	255.7	235.7	228.2	213.3	214.2	206.7
37.5°	224.5	207.2	191.3	175.0	161.9	155.0	151.2	147.5
40°	166.6	149.8	132.5	121.8	110.1	104.1	101.7	100.8
42.5°	113.9	99.9	88.7	79.8	73.7	67.2	65.3	64.4
45°	74.2	66.3	56.0	49.0	44.8	41.1	41.1	39.7
47.5°	44.3	39.2	34.1	29.4	26.6	24.3	23.3	22.9
50°	24.7	21.9	19.1	17.3	15.4	14.0	13.5	13.5
52.5°	13.5	12.1	11.2	9.8	8.9	8.9	8.9	8.4
55°	7.0	7.0	7.0	7.0	6.5	6.5	6.5	6.1
57.5°	4.7	4.7	5.1	5.1	5.1	4.7	4.7	4.7
60°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
62.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
65°	1.9	2.3	2.3	2.3	2.3	1.9	1.9	1.9
67.5°	1.4	1.9	1.9	1.9	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	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)