

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: P684753

Luminaire Tested: **LX6C10D010 EX6109040 6LBSLI**

Issue Date: 2/15/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P684753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6109040 6LBSLI  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

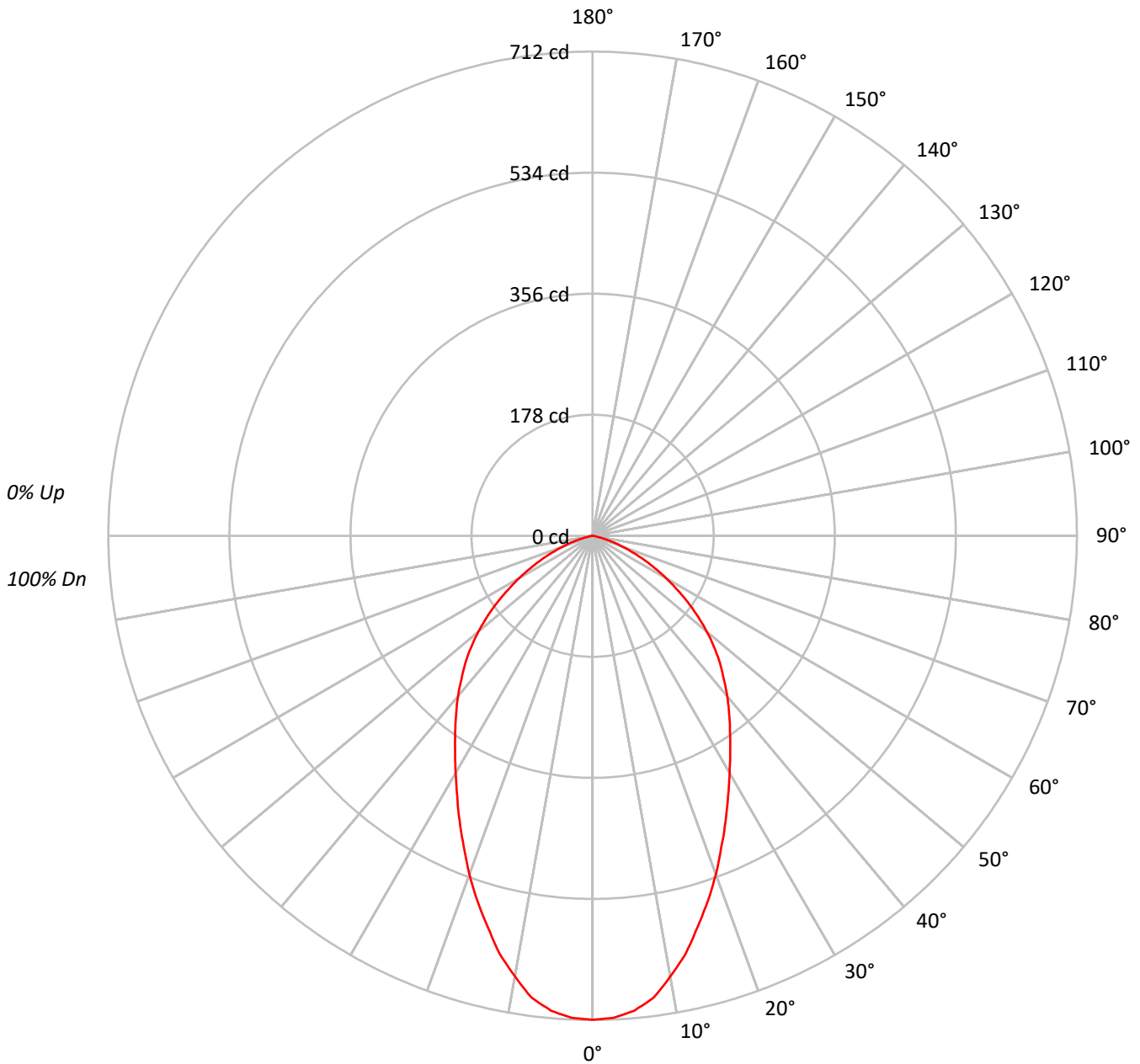
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1128.0 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Circular (Dia: 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

TEST NUMBER: P684753  
CATALOG NUMBER: LX6C10D010 EX6109040 6LBSLI

### 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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			33

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

	0°
0°	39021
5°	38576
10°	36623
15°	33803
20°	30902
25°	27981
30°	25485
35°	23577
40°	22041
45°	20529
50°	18703
55°	16382
60°	13661
65°	10727
70°	7485
75°	4067
80°	758
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.6	5.8
10°-20°	167.0	14.8
20°-30°	212.9	18.9
30°-40°	220.8	19.6
40°-50°	203.5	18.0
50°-60°	153.1	13.6
60°-70°	82.6	7.3
70°-80°	22.2	2.0
80°-90°	0.3	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°	445.5	39.5
0°-40°	666.3	59.1
0°-60°	1022.9	90.7
0°-90°	1128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1128.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	712	
5°	701	66
15°	596	167
25°	463	213
35°	352	221
45°	265	203
55°	171	153
65°	83	83
75°	19	22
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	711.8
2.5°	709.4
5°	701.0
7.5°	685.5
10°	657.9
12.5°	630.3
15°	595.6
17.5°	563.2
20°	529.7
22.5°	494.9
25°	462.6
27.5°	431.4
30°	402.6
32.5°	376.3
35°	352.3
37.5°	329.5
40°	308.0
42.5°	285.2
45°	264.8
47.5°	242.1
50°	219.3
52.5°	195.3
55°	171.4
57.5°	147.4
60°	124.6
62.5°	103.1
65°	82.7
67.5°	63.5
70°	46.7
72.5°	32.4
75°	19.2
77.5°	8.4
80°	2.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)