

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: P684733

Luminaire Tested: **LX6C10D010 EX6109030 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: P684733
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 EX6109030 6LBSLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

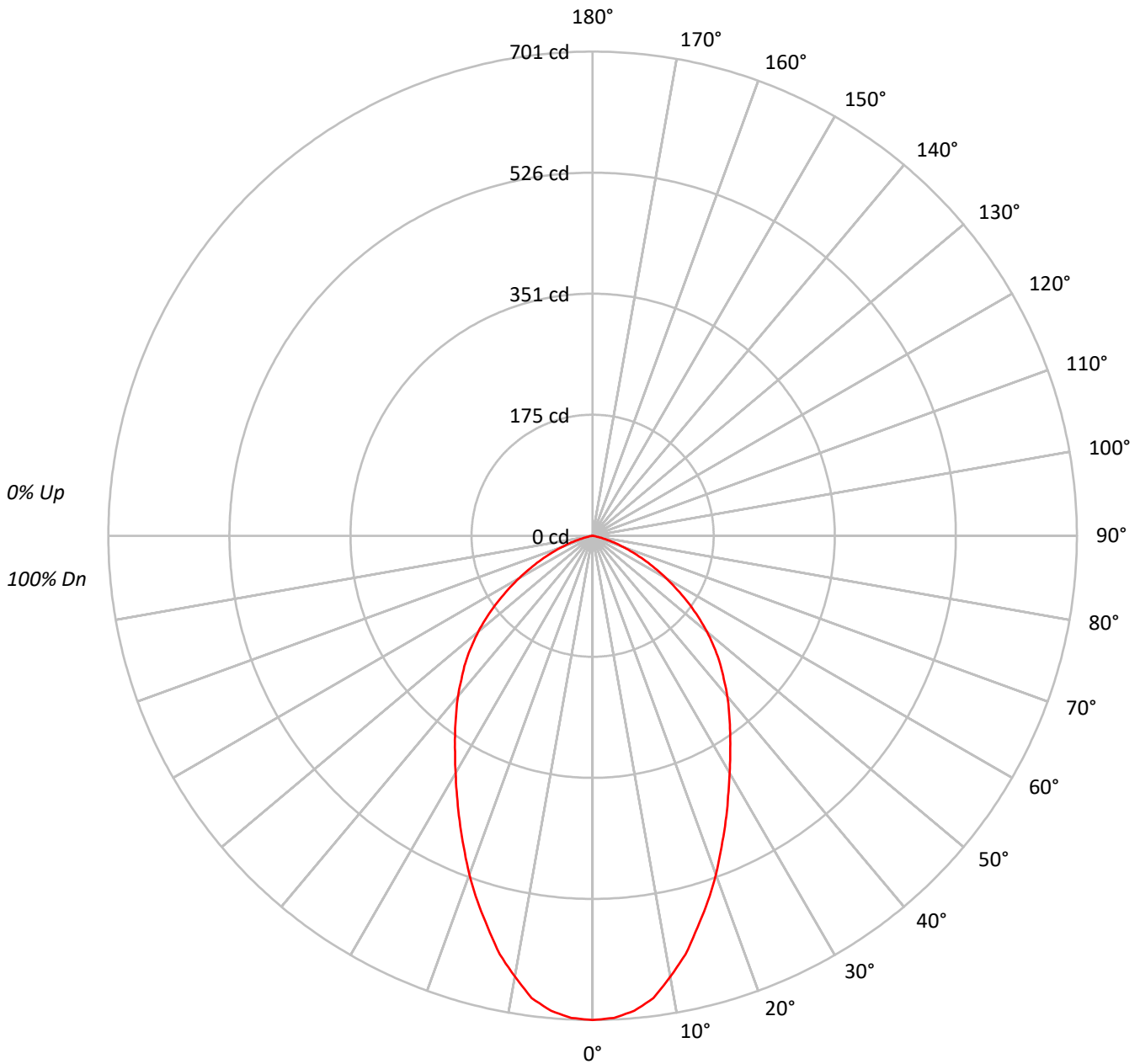
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1111.0 lumens
Efficiency: N/A
Efficacy: 113.4 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_{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			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38434
5°	37998
10°	36071
15°	33292
20°	30435
25°	27558
30°	25105
35°	23222
40°	21705
45°	20219
50°	18422
55°	16133
60°	13453
65°	10559
70°	7373
75°	4003
80°	758
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	5.8
10°-20°	164.5	14.8
20°-30°	209.7	18.9
30°-40°	217.5	19.6
40°-50°	200.4	18.0
50°-60°	150.8	13.6
60°-70°	81.4	7.3
70°-80°	21.9	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°	438.8	39.5
0°-40°	656.3	59.1
0°-60°	1007.5	90.7
0°-90°	1111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1111.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	701	
5°	690	65
15°	587	164
25°	456	210
35°	347	218
45°	261	200
55°	169	151
65°	81	81
75°	19	22
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	701.1
2.5°	698.7
5°	690.5
7.5°	675.1
10°	648.0
12.5°	620.8
15°	586.6
17.5°	554.8
20°	521.7
22.5°	487.5
25°	455.6
27.5°	424.9
30°	396.6
32.5°	370.6
35°	347.0
37.5°	324.6
40°	303.3
42.5°	280.9
45°	260.8
47.5°	238.4
50°	216.0
52.5°	192.4
55°	168.8
57.5°	145.2
60°	122.7
62.5°	101.5
65°	81.4
67.5°	62.6
70°	46.0
72.5°	31.9
75°	18.9
77.5°	8.3
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)