

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: P684723

Luminaire Tested: **LX6C10D010 EX6109027 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: P684723
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 EX6109027 6LBSLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

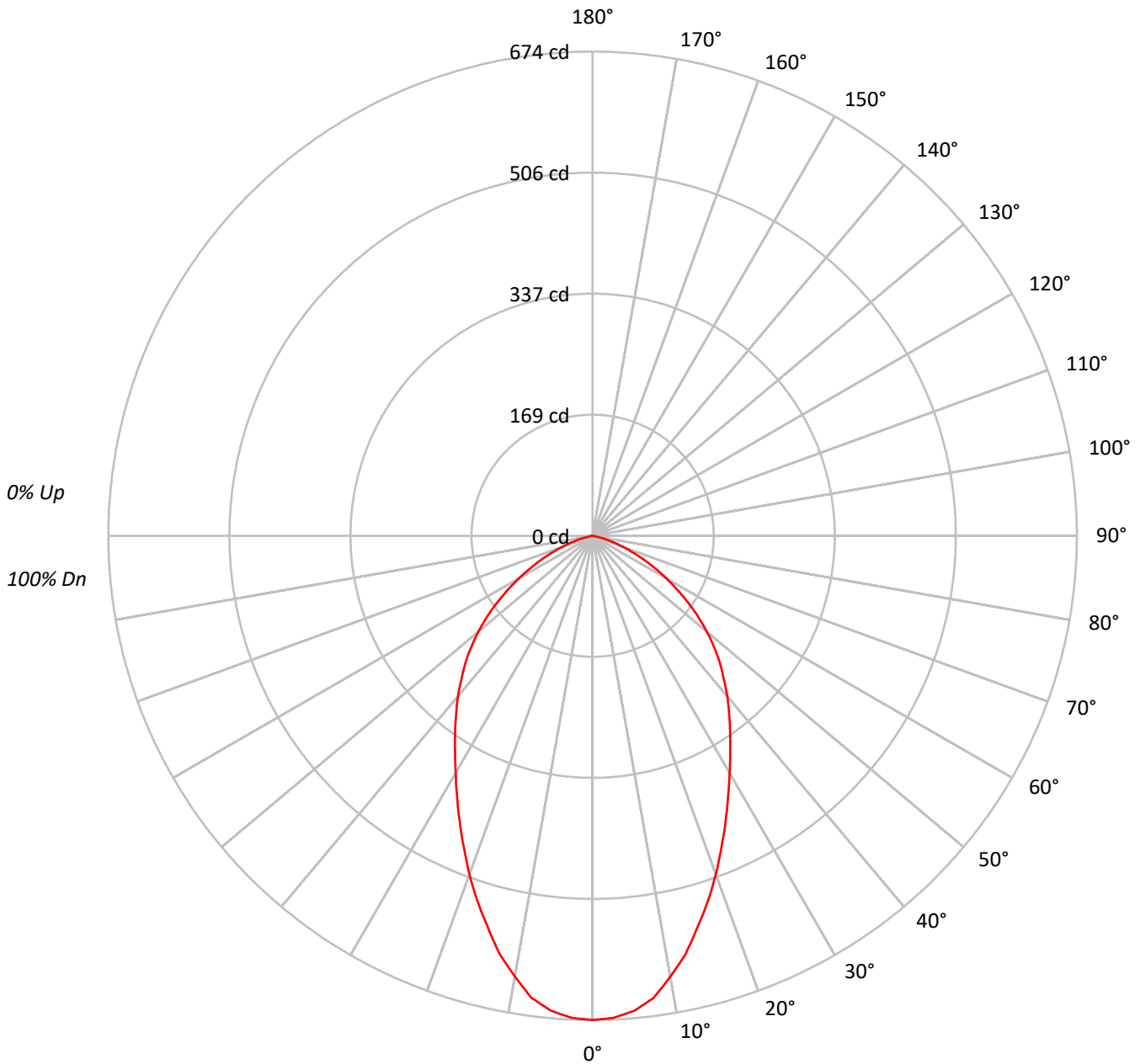
Lumens per Lamp: N/A
Luminaire Lumens: 1067.9 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P684723

CATALOG NUMBER: LX6C10D010 EX6109027 6LBLSI

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°	36949
5°	36523
10°	34674
15°	32004
20°	29257
25°	26493
30°	24130
35°	22326
40°	20868
45°	19436
50°	17705
55°	15502
60°	12938
65°	10157
70°	7085
75°	3834
80°	726
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	5.8
10°-20°	158.1	14.8
20°-30°	201.6	18.9
30°-40°	209.1	19.6
40°-50°	192.6	18.0
50°-60°	144.9	13.6
60°-70°	78.2	7.3
70°-80°	20.9	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°	421.8	39.5
0°-40°	630.9	59.1
0°-60°	968.5	90.7
0°-90°	1067.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1067.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	674	
5°	664	62
15°	564	158
25°	438	202
35°	334	209
45°	251	193
55°	162	145
65°	78	78
75°	18	21
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	674.0
2.5°	671.7
5°	663.7
7.5°	649.0
10°	622.9
12.5°	596.8
15°	563.9
17.5°	533.3
20°	501.5
22.5°	468.6
25°	438.0
27.5°	408.5
30°	381.2
32.5°	356.3
35°	333.6
37.5°	312.0
40°	291.6
42.5°	270.0
45°	250.7
47.5°	229.2
50°	207.6
52.5°	184.9
55°	162.2
57.5°	139.6
60°	118.0
62.5°	97.6
65°	78.3
67.5°	60.1
70°	44.2
72.5°	30.6
75°	18.1
77.5°	7.9
80°	2.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)