

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: P684766

Luminaire Tested: **LX6C100D010 EX61009027 6LBMLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX61009027 6LBMLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

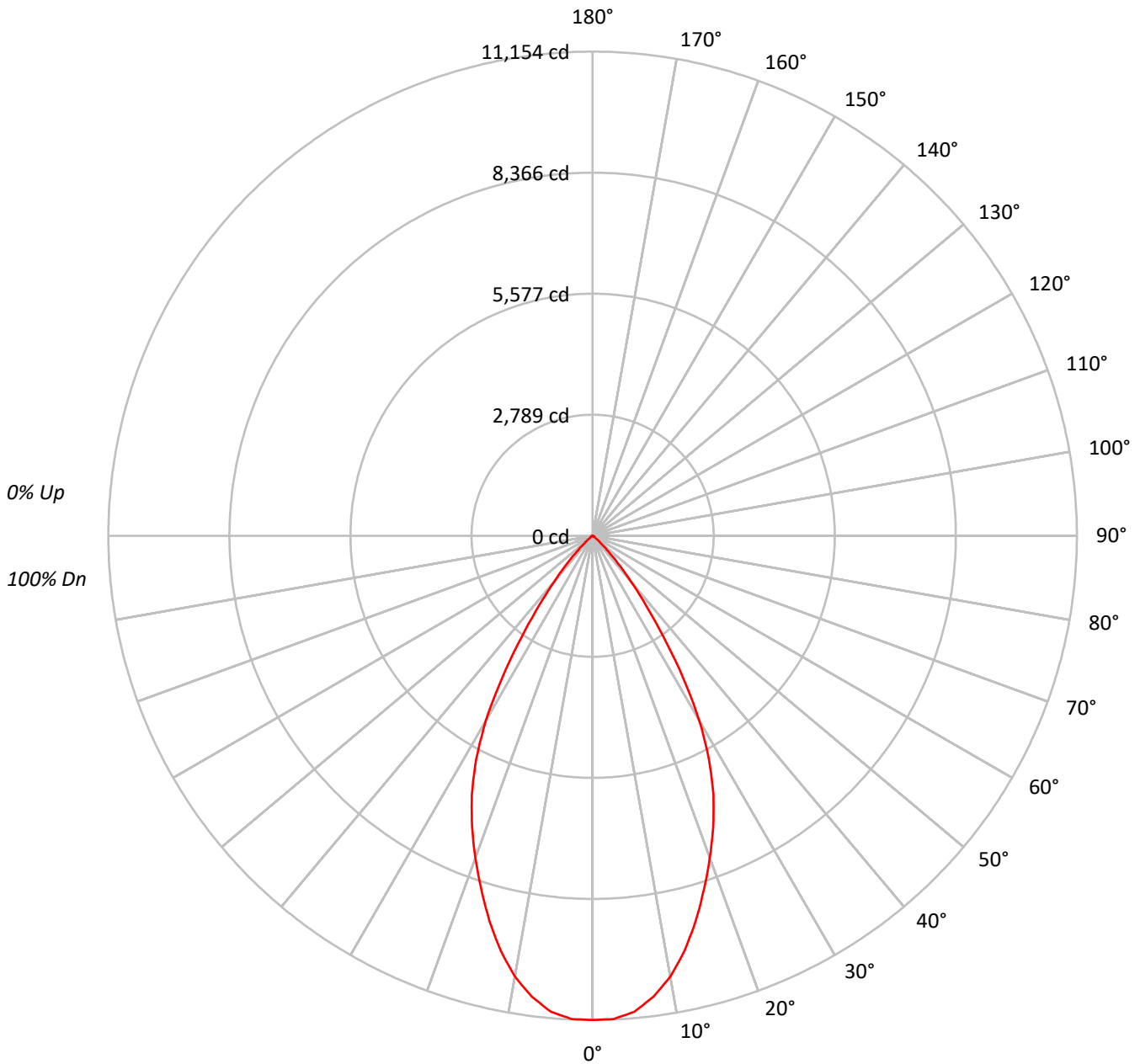
Lumens per Lamp: N/A
Luminaire Lumens: 8913.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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: P684766

CATALOG NUMBER: LX6C100D010 EX61009027 6LBMLI

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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	611475
5°	605655
10°	573915
15°	521064
20°	460436
25°	398061
30°	311162
35°	190818
40°	97941
45°	38911
50°	12631
55°	4358
60°	3739
65°	2983
70°	1843
75°	2436
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.5	11.5
10°-20°	2558.2	28.7
20°-30°	2973.8	33.4
30°-40°	1821.1	20.4
40°-50°	452.2	5.1
50°-60°	52.8	0.6
60°-70°	19.8	0.2
70°-80°	7.5	0.1
80°-90°	0.0	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°	6559.6	73.6
0°-40°	8380.7	94.0
0°-60°	8885.7	99.7
0°-90°	8913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8913.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11154	
5°	11006	###
15°	9181	2558
25°	6581	2974
35°	2851	1821
45°	502	452
55°	46	53
65°	23	20
75°	12	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11154.2
2.5°	11142.7
5°	11006.0
7.5°	10709.3
10°	10310.0
12.5°	9785.6
15°	9181.1
17.5°	8531.0
20°	7892.5
22.5°	7253.5
25°	6580.9
27.5°	5805.3
30°	4915.6
32.5°	3877.7
35°	2851.3
37.5°	2007.2
40°	1368.6
42.5°	855.2
45°	501.9
47.5°	285.2
50°	148.1
52.5°	68.5
55°	45.6
57.5°	34.1
60°	34.1
62.5°	23.0
65°	23.0
67.5°	11.5
70°	11.5
72.5°	11.5
75°	11.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)