

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: P684786

Luminaire Tested: **LX6C100D010 EX61009050 6LBMLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684786
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 EX61009050 6LBMLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

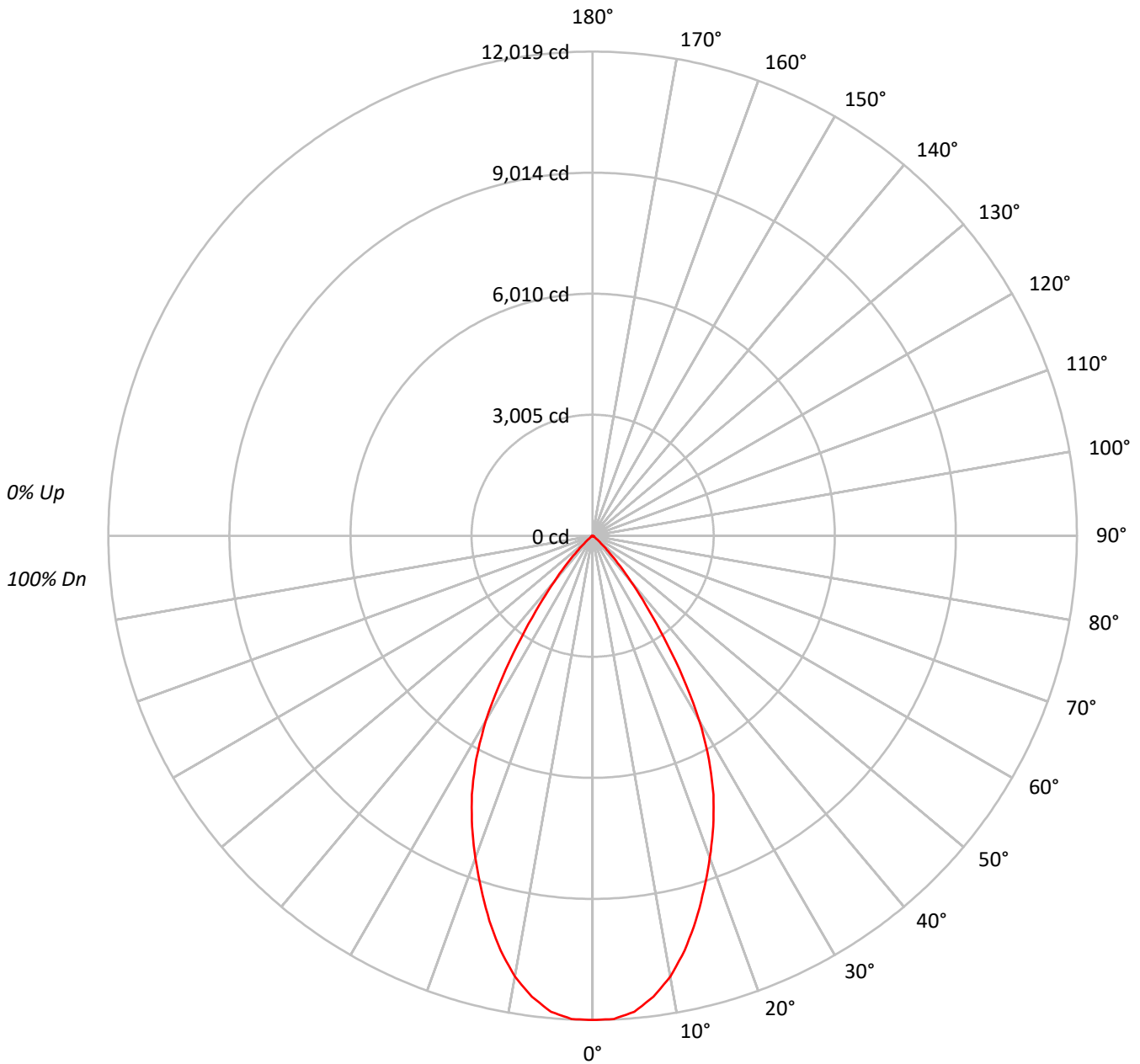
Lumens per Lamp: N/A
Luminaire Lumens: 9604.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P684786

CATALOG NUMBER: LX6C100D010 EX61009050 6LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P684786

CATALOG NUMBER: LX6C100D010 EX61009050 6LBMLI

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	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°	658878
5°	652612
10°	618409
15°	561462
20°	496133
25°	428922
30°	335279
35°	205614
40°	105533
45°	41927
50°	13611
55°	4693
60°	4024
65°	3217
70°	1988
75°	2626
80°	0
85°	0



TEST NUMBER: P684786

CATALOG NUMBER: LX6C100D010 EX61009050 6LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1107.2	11.5
10°-20°	2756.6	28.7
20°-30°	3204.4	33.4
30°-40°	1962.3	20.4
40°-50°	487.2	5.1
50°-60°	56.9	0.6
60°-70°	21.3	0.2
70°-80°	8.1	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°	7068.1	73.6
0°-40°	9030.4	94.0
0°-60°	9574.5	99.7
0°-90°	9604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9604.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12019	
5°	11859	###
15°	9893	2757
25°	7091	3204
35°	3072	1962
45°	541	487
55°	49	57
65°	25	21
75°	12	8
85°	0	0
90°	0	



TEST NUMBER: P684786

CATALOG NUMBER: LX6C100D010 EX61009050 6LBMLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	12018.9
2.5°	12006.6
5°	11859.3
7.5°	11539.6
10°	11109.3
12.5°	10544.2
15°	9892.9
17.5°	9192.4
20°	8504.4
22.5°	7815.8
25°	7091.1
27.5°	6255.3
30°	5296.6
32.5°	4178.3
35°	3072.4
37.5°	2162.8
40°	1474.7
42.5°	921.5
45°	540.8
47.5°	307.3
50°	159.6
52.5°	73.8
55°	49.1
57.5°	36.7
60°	36.7
62.5°	24.8
65°	24.8
67.5°	12.4
70°	12.4
72.5°	12.4
75°	12.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)