

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: P858959

Luminaire Tested: **LX4C50D010 EX4C509027 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P858959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C50D010 EX4C509027 4LBMLI
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

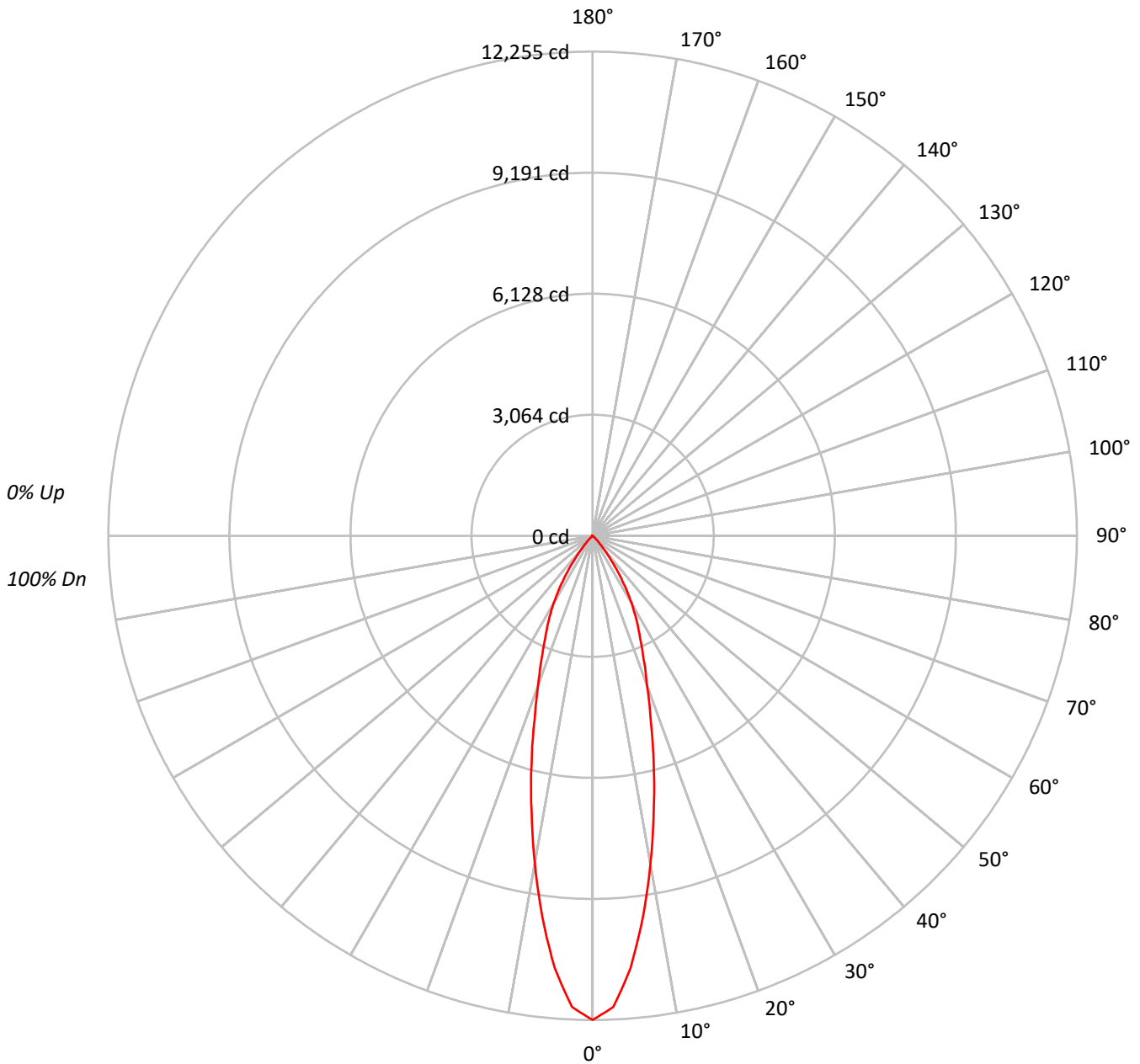
Lumens per Lamp: N/A
Luminaire Lumens: 4762.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
Input Voltage (V):
Input Current (Ain): 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: P858959

CATALOG NUMBER: LX4C50D010 EX4C509027 4LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P858959

CATALOG NUMBER: LX4C50D010 EX4C509027 4LBMLI

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	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90	90	90	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77	77	77	77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73	73	73	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69	69	69	69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63	63	63	63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61	61	61	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1505532
5°	1354824
10°	1050284
15°	760186
20°	526364
25°	383739
30°	278824
35°	164989
40°	69394
45°	21631
50°	2810
55°	1564
60°	1794
65°	2122
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P858959

CATALOG NUMBER: LX4C50D010 EX4C509027 4LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	965.7	20.3
10°-20°	1653.3	34.7
20°-30°	1314.0	27.6
30°-40°	695.6	14.6
40°-50°	119.8	2.5
50°-60°	8.9	0.2
60°-70°	4.5	0.1
70°-80°	0.0	0.0
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°	3933.1	82.6
0°-40°	4628.7	97.2
0°-60°	4757.5	99.9
0°-90°	4762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4762.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12255	
5°	10986	966
15°	5977	1653
25°	2831	1314
35°	1100	696
45°	124	120
55°	7	9
65°	7	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P858959

CATALOG NUMBER: LX4C50D010 EX4C509027 4LBMLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	12254.7
2.5°	11939.2
5°	10986.0
7.5°	9739.3
10°	8419.2
12.5°	7143.1
15°	5976.9
17.5°	4891.5
20°	4026.1
22.5°	3366.1
25°	2830.9
27.5°	2398.2
30°	1965.5
32.5°	1525.4
35°	1100.1
37.5°	726.2
40°	432.7
42.5°	249.4
45°	124.5
47.5°	44.1
50°	14.7
52.5°	14.7
55°	7.3
57.5°	7.3
60°	7.3
62.5°	7.3
65°	7.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
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)