

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: P858278

Luminaire Tested: **LD4C10W2N2050D010 4LBMLI_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C10W2N2050D010 4LBMLI_2700K
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

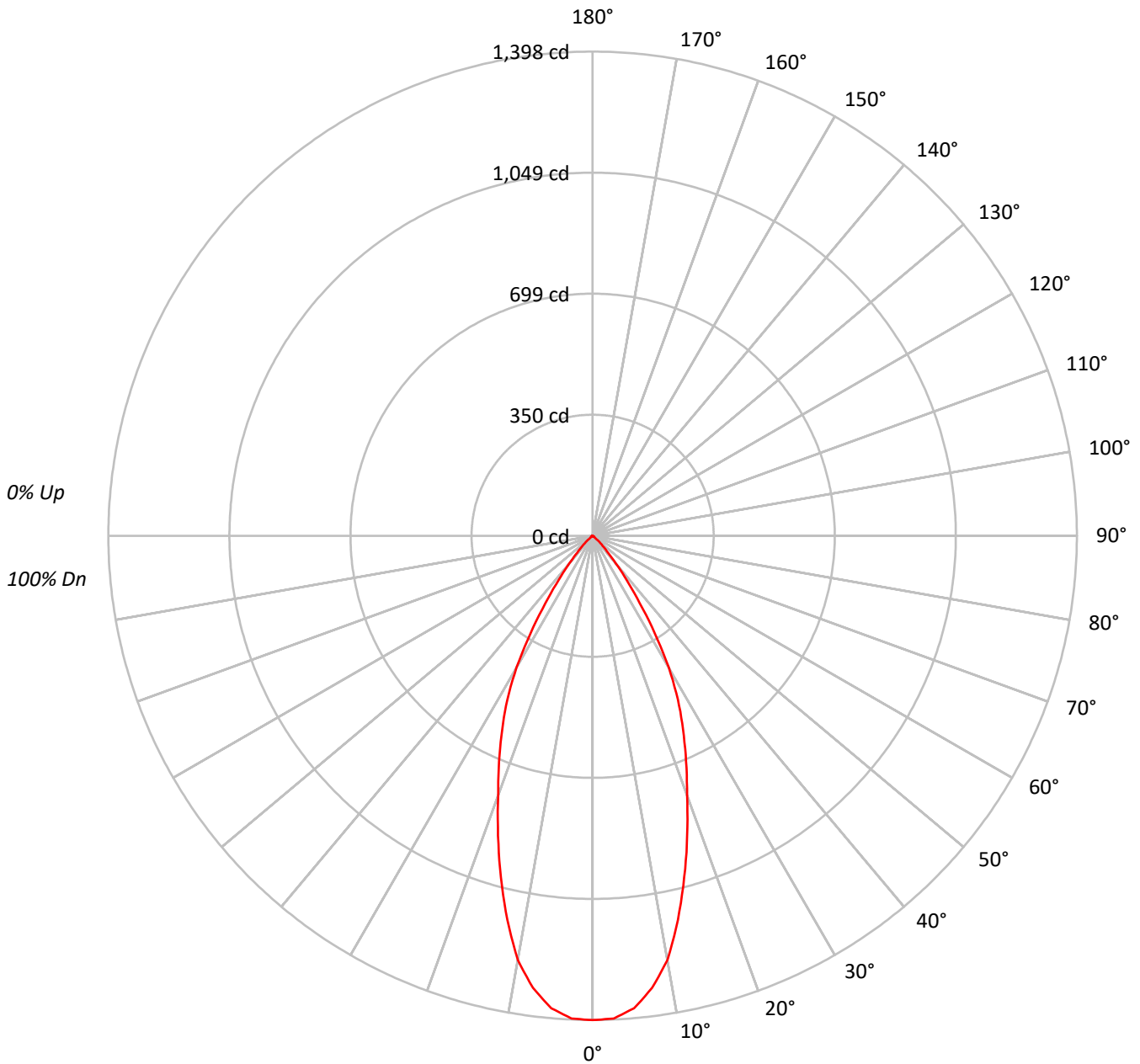
Lumens per Lamp: N/A
Luminaire Lumens: 887.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 13
Input Voltage (V): NR
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: P858278

CATALOG NUMBER: LD4C10W2N2050D010 4LBMLI_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P858278

CATALOG NUMBER: LD4C10W2N2050D010 4LBMLI_2700K

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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	171786
5°	168866
10°	155162
15°	129935
20°	104107
25°	83650
30°	62262
35°	35574
40°	16695
45°	7089
50°	2255
55°	1157
60°	786
65°	610
70°	395
75°	0
80°	0
85°	0



TEST NUMBER: P858278

CATALOG NUMBER: LD4C10W2N2050D010 4LBMLI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.6	14.3
10°-20°	283.1	31.9
20°-30°	281.4	31.7
30°-40°	153.3	17.3
40°-50°	35.4	4.0
50°-60°	5.0	0.6
60°-70°	1.8	0.2
70°-80°	0.4	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°	691.1	77.9
0°-40°	844.3	95.2
0°-60°	884.7	99.7
0°-90°	887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1398	
5°	1369	127
15°	1022	283
25°	617	281
35°	237	153
45°	41	35
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P858278

CATALOG NUMBER: LD4C10W2N2050D010 4LBMLI_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1398.3
2.5°	1395.1
5°	1369.3
7.5°	1316.7
10°	1243.8
12.5°	1136.5
15°	1021.6
17.5°	907.9
20°	796.3
22.5°	705.1
25°	617.1
27.5°	533.4
30°	438.9
32.5°	333.8
35°	237.2
37.5°	159.9
40°	104.1
42.5°	65.4
45°	40.8
47.5°	23.6
50°	11.8
52.5°	6.4
55°	5.4
57.5°	3.2
60°	3.2
62.5°	2.1
65°	2.1
67.5°	1.1
70°	1.1
72.5°	1.1
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)