

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: P858302

Luminaire Tested: **LD4C10W2N2050D010 4LBWH\_2700K**

Issue Date: 11/9/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 11/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C10W2N2050D010 4LBWH\_2700K  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS AND 4LBWH TRIM WITH FINISH  
  
Light Source: -  
Ballast/Driver: -

**Summary**

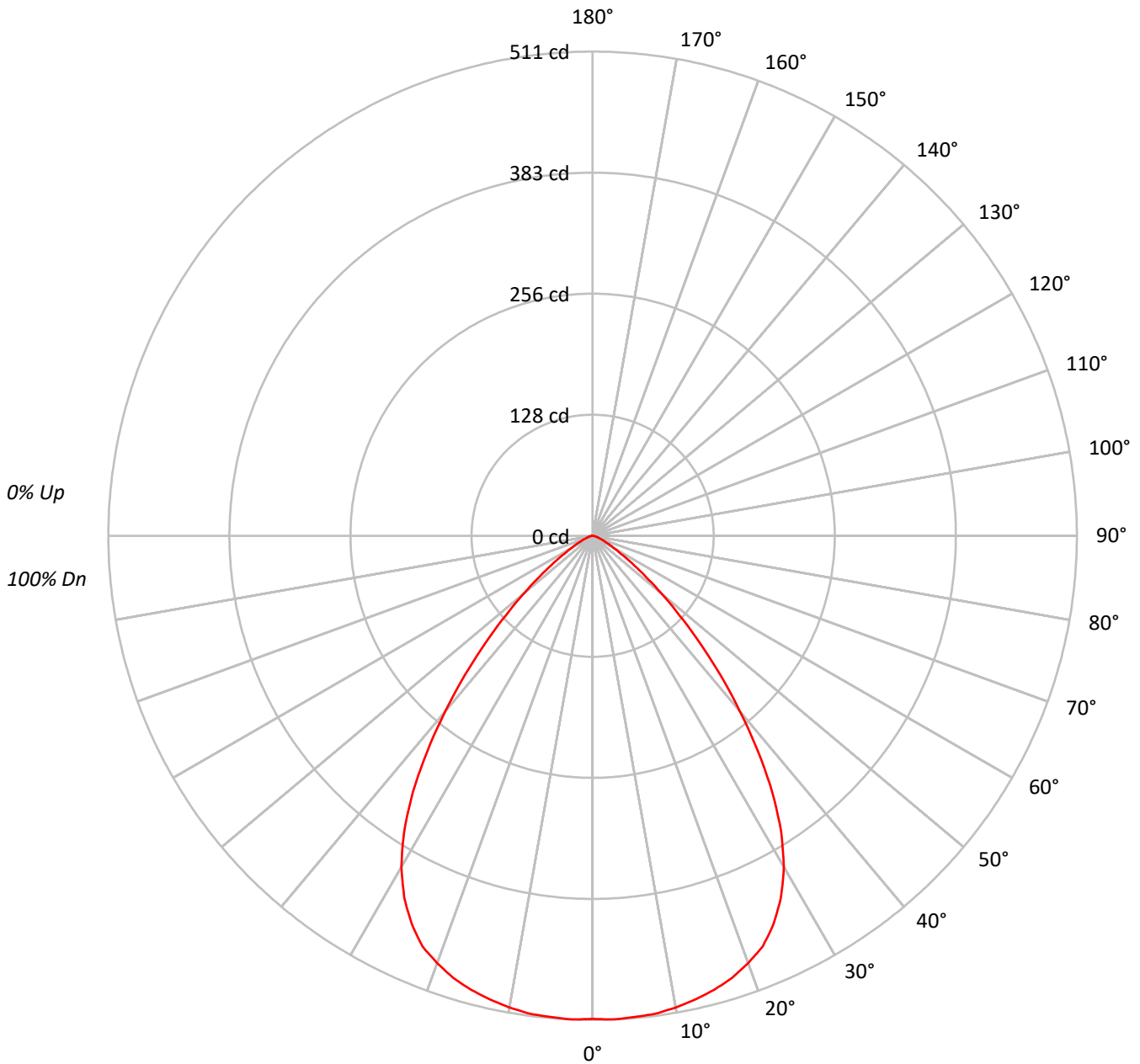
Lumens per Lamp: N/A  
Luminaire Lumens: 791.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 13  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82				82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74				74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67				67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61				61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55				55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50				50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46				46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43				43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39				39

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	62631
5°	62870
10°	63060
15°	63072
20°	62728
25°	61257
30°	57254
35°	49582
40°	38730
45°	27781
50°	18042
55°	10795
60°	6315
65°	4070
70°	2694
75°	2041
80°	1486
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.6	6.1
10°-20°	139.9	17.7
20°-30°	206.5	26.1
30°-40°	203.7	25.8
40°-50°	124.7	15.8
50°-60°	47.8	6.0
60°-70°	14.9	1.9
70°-80°	4.4	0.6
80°-90°	0.6	0.1
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°	394.9	49.9
0°-40°	598.6	75.7
0°-60°	771.1	97.5
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	510	
5°	510	49
15°	496	140
25°	452	206
35°	331	204
45°	160	125
55°	50	48
65°	14	15
75°	4	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	509.8
2.5°	510.9
5°	509.8
7.5°	508.8
10°	505.5
12.5°	501.3
15°	495.9
17.5°	489.4
20°	479.8
22.5°	469.1
25°	451.9
27.5°	430.4
30°	403.6
32.5°	370.3
35°	330.6
37.5°	286.6
40°	241.5
42.5°	199.6
45°	159.9
47.5°	124.5
50°	94.4
52.5°	69.8
55°	50.4
57.5°	35.4
60°	25.7
62.5°	19.3
65°	14.0
67.5°	10.7
70°	7.5
72.5°	5.4
75°	4.3
77.5°	2.1
80°	2.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)