

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: P858366

Luminaire Tested: **LD4C15W2N2050D010 4LBMLI_5000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858366
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: LD4C15W2N2050D010 4LBMLI_5000K
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, W2N2050 LEDS AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

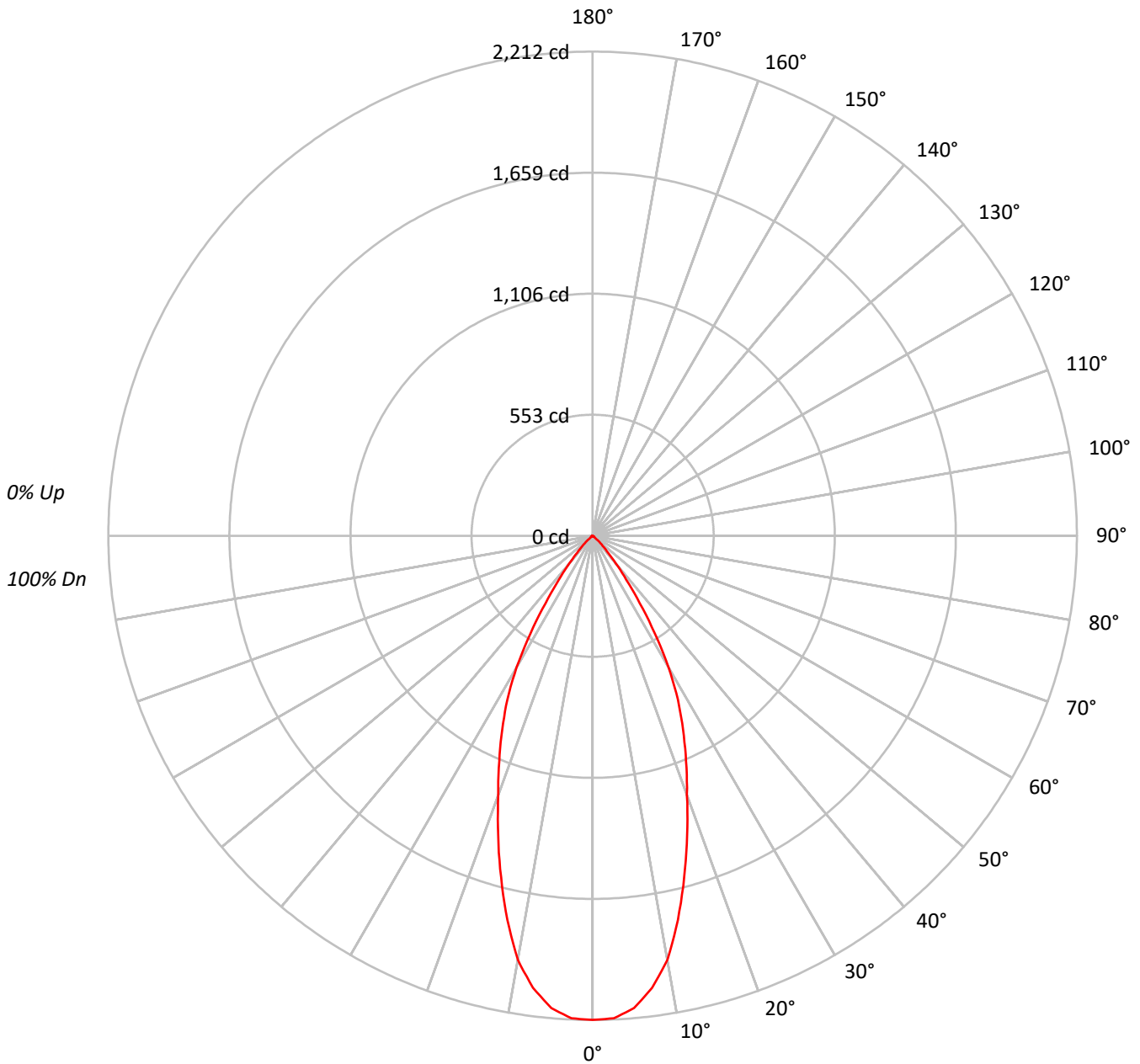
Lumens per Lamp: N/A
Luminaire Lumens: 1403.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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

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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88				88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83				83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78				78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73				73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69				69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65				65
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62				62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58				58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56				56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271715
5°	267105
10°	245418
15°	205535
20°	164664
25°	132301
30°	98493
35°	56271
40°	26414
45°	11206
50°	3574
55°	1821
60°	1253
65°	988
70°	611
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.3	14.3
10°-20°	447.7	31.9
20°-30°	445.1	31.7
30°-40°	242.4	17.3
40°-50°	56.0	4.0
50°-60°	7.9	0.6
60°-70°	2.9	0.2
70°-80°	0.7	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°	1093.1	77.9
0°-40°	1335.5	95.2
0°-60°	1399.4	99.7
0°-90°	1403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2212	
5°	2166	200
15°	1616	448
25°	976	445
35°	375	242
45°	64	56
55°	8	8
65°	3	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2211.7
2.5°	2206.6
5°	2165.9
7.5°	2082.8
10°	1967.3
12.5°	1797.6
15°	1616.0
17.5°	1436.0
20°	1259.5
22.5°	1115.2
25°	976.0
27.5°	843.6
30°	694.3
32.5°	527.9
35°	375.2
37.5°	252.9
40°	164.7
42.5°	103.5
45°	64.5
47.5°	37.4
50°	18.7
52.5°	10.2
55°	8.5
57.5°	5.1
60°	5.1
62.5°	3.4
65°	3.4
67.5°	1.7
70°	1.7
72.5°	1.7
75°	0.0
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)