

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: P858367

Luminaire Tested: **LD4C15W2N2050D010 4LBNH\_2000K**

Issue Date: 11/9/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 11/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C15W2N2050D010 4LBNH\_2000K  
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS  
AND 4LBNH TRIM WITH FINISH  
  
Light Source: -  
Ballast/Driver: -

**Summary**

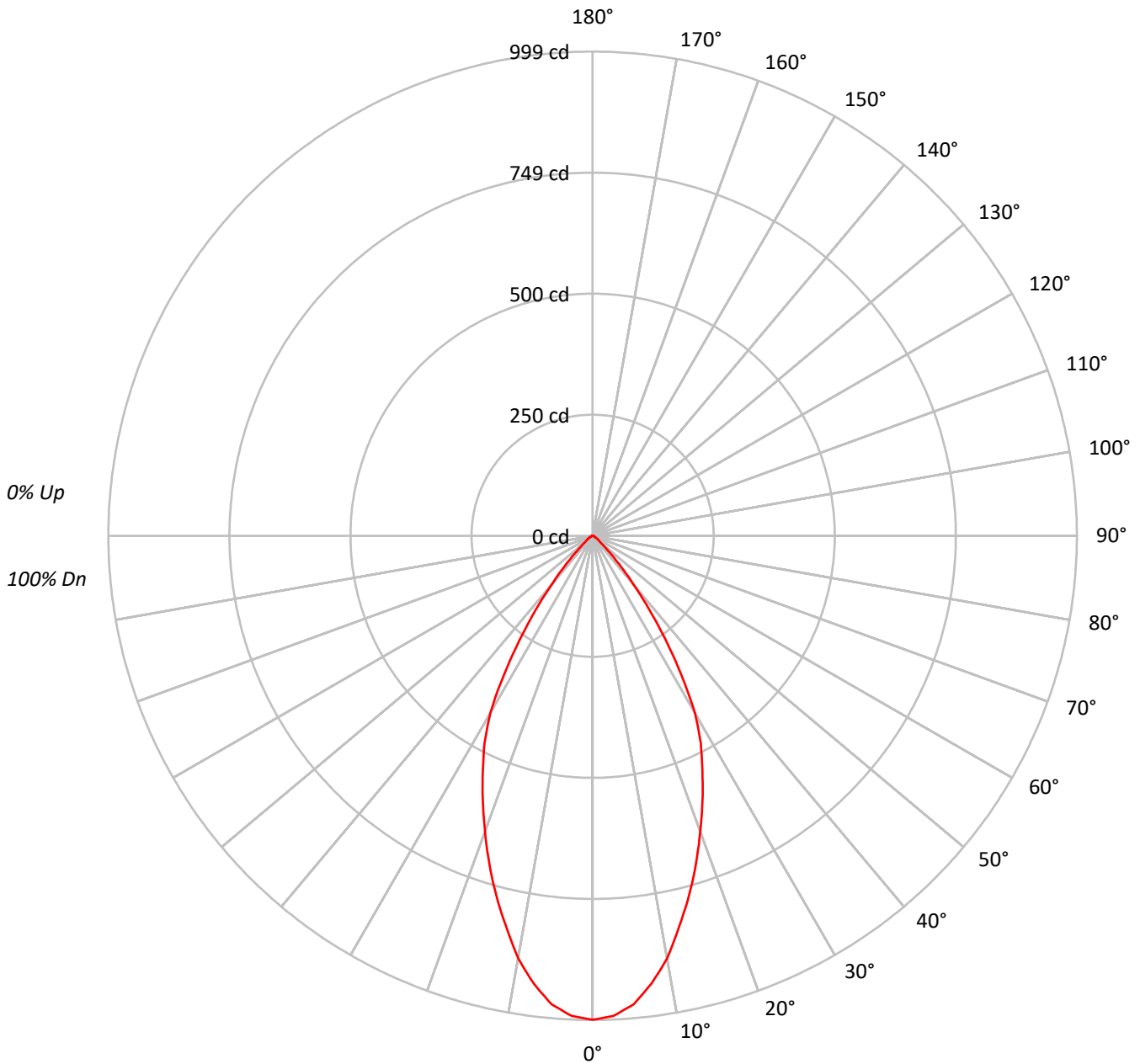
Lumens per Lamp: N/A  
Luminaire Lumens: 779.0 lumens  
Efficiency: N/A  
Efficacy: 40.6 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.2  
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

TEST NUMBER: P858367

CATALOG NUMBER: LD4C15W2N2050D010 4LBNH\_2000K

### Luminous Intensity Polar Plot





TEST NUMBER: P858367

CATALOG NUMBER: LD4C15W2N2050D010 4LBNH\_2000K

**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	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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																												
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																												
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																												
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75																												
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70																												
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65																												
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61																												
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58																												
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54																												
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51																												

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

	0°
0°	122681
5°	119648
10°	110403
15°	97743
20°	84862
25°	72589
30°	59850
35°	39414
40°	21185
45°	9382
50°	3803
55°	2742
60°	1745
65°	1250
70°	1042
75°	665
80°	990
85°	0



TEST NUMBER: P858367

CATALOG NUMBER: LD4C15W2N2050D010 4LBNH\_2000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.8	11.5
10°-20°	214.1	27.5
20°-30°	245.3	31.5
30°-40°	164.8	21.2
40°-50°	47.1	6.0
50°-60°	11.5	1.5
60°-70°	4.4	0.6
70°-80°	1.7	0.2
80°-90°	0.2	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°	549.3	70.5
0°-40°	714.1	91.7
0°-60°	772.7	99.2
0°-90°	779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	999	
5°	970	90
15°	768	214
25°	536	245
35°	263	165
45°	54	47
55°	13	12
65°	4	4
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P858367

CATALOG NUMBER: LD4C15W2N2050D010 4LBNH\_2000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	998.6
2.5°	991.5
5°	970.2
7.5°	931.8
10°	885.0
12.5°	825.3
15°	768.5
17.5°	708.8
20°	649.1
22.5°	592.3
25°	535.5
27.5°	482.9
30°	421.9
32.5°	340.9
35°	262.8
37.5°	191.7
40°	132.1
42.5°	86.6
45°	54.0
47.5°	32.7
50°	19.9
52.5°	15.6
55°	12.8
57.5°	9.9
60°	7.1
62.5°	5.7
65°	4.3
67.5°	2.9
70°	2.9
72.5°	1.4
75°	1.4
77.5°	1.4
80°	1.4
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)