

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: P858360

Luminaire Tested: **LD4C15W2N2050D010 4LBMH\_5000K**

Issue Date: 11/9/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 11/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C15W2N2050D010 4LBMH\_5000K  
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, W2N2050 LEDS AND 4LBMH TRIM WITH FINISH  
  
Light Source: -  
Ballast/Driver: -

**Summary**

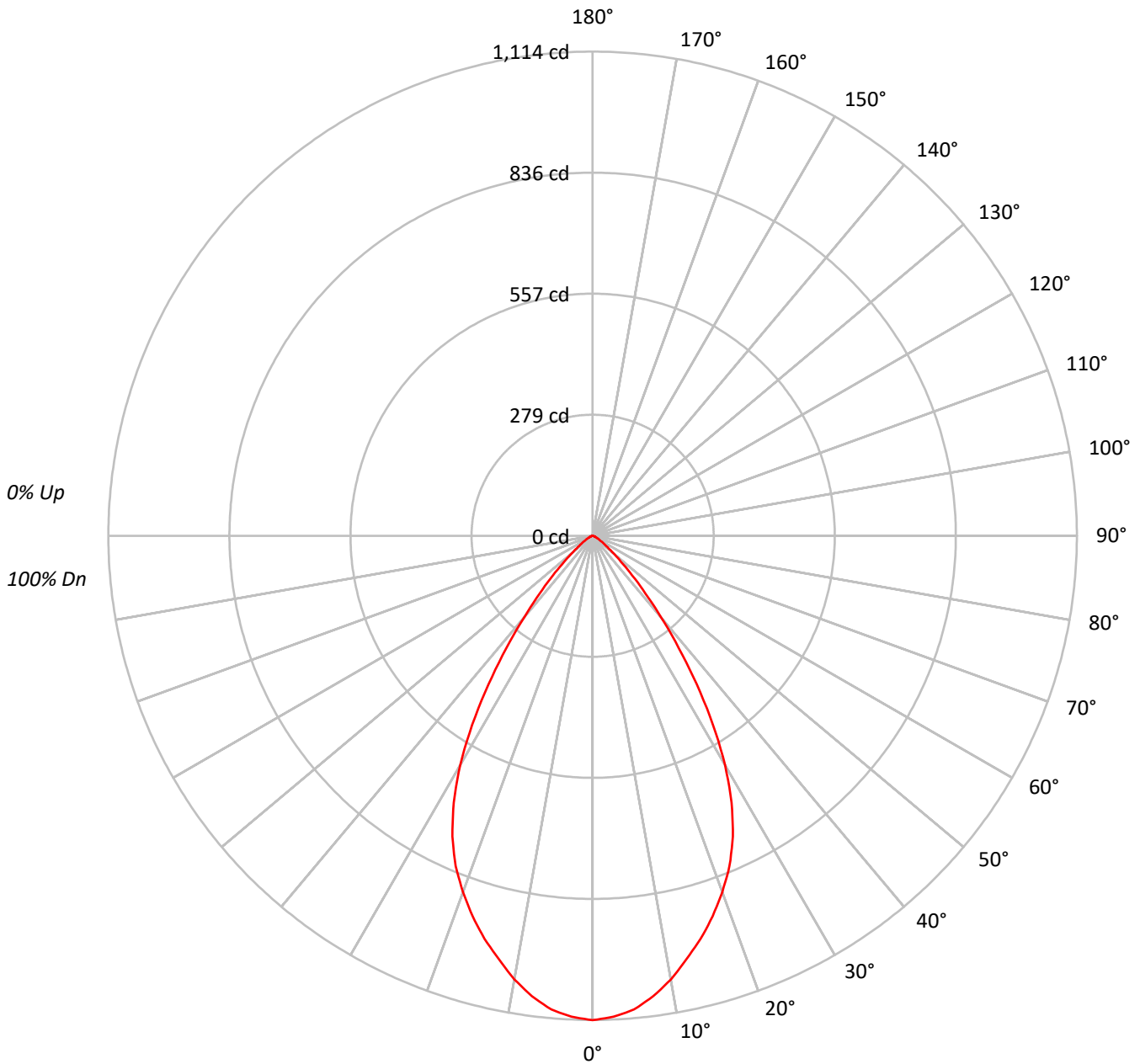
Lumens per Lamp: N/A  
Luminaire Lumens: 1124.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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

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### Luminous Intensity Polar Plot





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**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
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79			79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73			73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67			67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62			62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58			58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54			54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50			50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47			47

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

	0°
0°	136920
5°	134940
10°	129302
15°	122125
20°	113990
25°	103482
30°	86392
35°	62585
40°	39179
45°	22395
50°	11678
55°	6533
60°	4177
65°	2471
70°	1832
75°	807
80°	1203
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.6	9.1
10°-20°	269.0	23.9
20°-30°	345.8	30.8
30°-40°	260.1	23.1
40°-50°	104.5	9.3
50°-60°	29.7	2.6
60°-70°	9.4	0.8
70°-80°	2.7	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°	717.4	63.8
0°-40°	977.5	87.0
0°-60°	1111.7	98.9
0°-90°	1124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1124.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1114	
5°	1094	103
15°	960	269
25°	763	346
35°	417	260
45°	129	104
55°	30	30
65°	8	9
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1114.5
2.5°	1107.7
5°	1094.2
7.5°	1068.7
10°	1036.5
12.5°	997.5
15°	960.2
17.5°	917.7
20°	871.9
22.5°	822.8
25°	763.4
27.5°	692.1
30°	609.0
32.5°	515.7
35°	417.3
37.5°	325.7
40°	244.3
42.5°	179.8
45°	128.9
47.5°	88.2
50°	61.1
52.5°	42.4
55°	30.5
57.5°	22.1
60°	17.0
62.5°	11.9
65°	8.5
67.5°	6.8
70°	5.1
72.5°	3.4
75°	1.7
77.5°	1.7
80°	1.7
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)