

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: P858357

Luminaire Tested: **LD4C15W2N2050D010 4LBMH\_3000K**

Issue Date: 11/9/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858357  
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\_3000K  
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2050 LEDS AND 4LBMH TRIM WITH FINISH  
  
Light Source: -  
Ballast/Driver: -

**Summary**

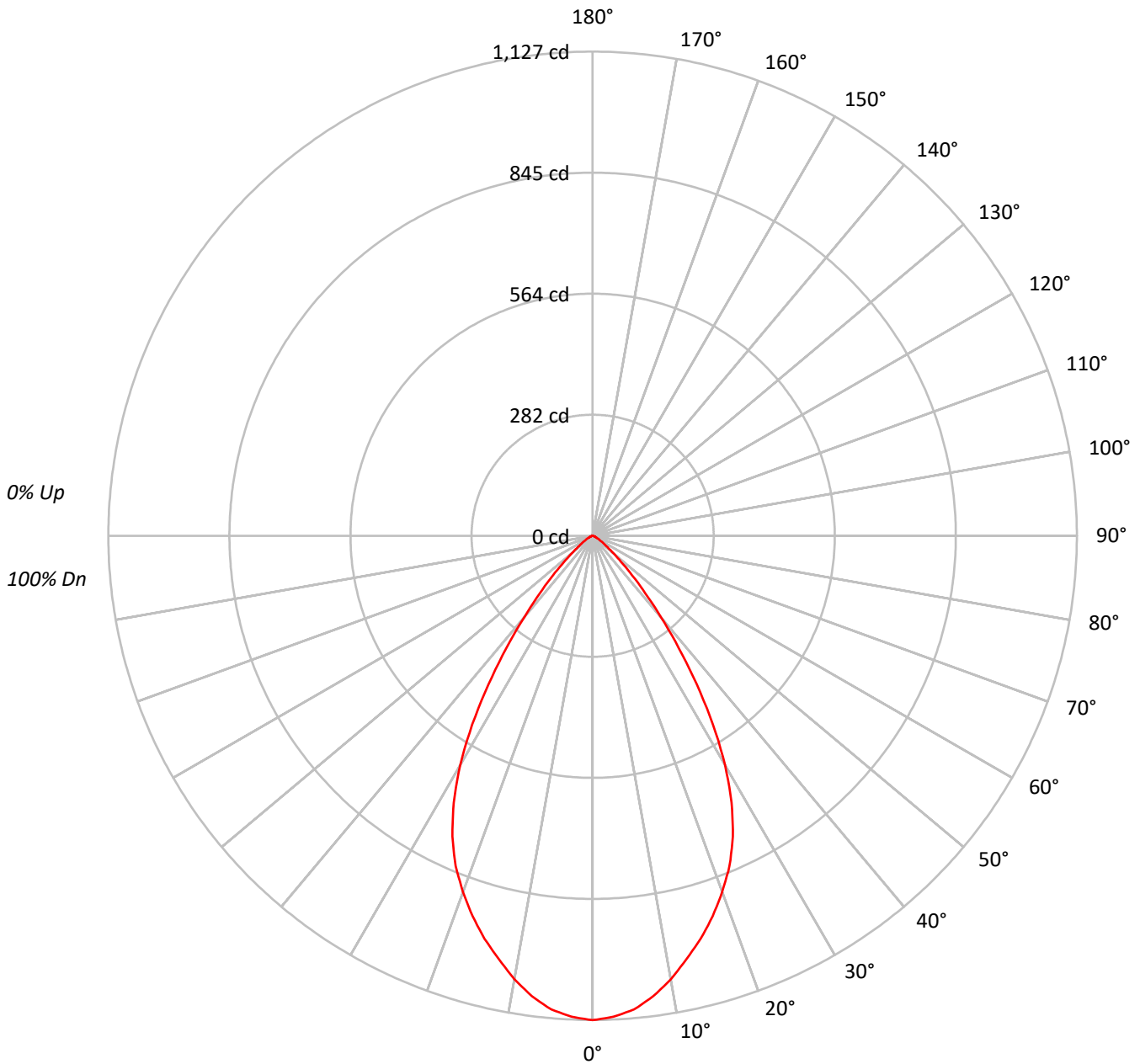
Lumens per Lamp: N/A  
Luminaire Lumens: 1137.0 lumens  
Efficiency: N/A  
Efficacy: 59.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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				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°	138505
5°	136494
10°	130787
15°	123537
20°	115311
25°	104675
30°	87399
35°	63320
40°	39628
45°	22656
50°	11812
55°	6618
60°	4226
65°	2500
70°	1868
75°	807
80°	1203
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.7	9.1
10°-20°	272.2	23.9
20°-30°	349.8	30.8
30°-40°	263.2	23.1
40°-50°	105.7	9.3
50°-60°	30.0	2.6
60°-70°	9.5	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°	725.7	63.8
0°-40°	988.8	87.0
0°-60°	1124.6	98.9
0°-90°	1137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1137.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1127	
5°	1107	104
15°	971	272
25°	772	350
35°	422	263
45°	130	106
55°	31	30
65°	9	10
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1127.4
2.5°	1120.5
5°	1106.8
7.5°	1081.1
10°	1048.4
12.5°	1009.0
15°	971.3
17.5°	928.3
20°	882.0
22.5°	832.3
25°	772.2
27.5°	700.1
30°	616.1
32.5°	521.6
35°	422.2
37.5°	329.5
40°	247.1
42.5°	181.9
45°	130.4
47.5°	89.3
50°	61.8
52.5°	42.9
55°	30.9
57.5°	22.3
60°	17.2
62.5°	12.0
65°	8.6
67.5°	6.9
70°	5.2
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)