

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: P858359

Luminaire Tested: **LD4C15W2N2050D010 4LBMH_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858359
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_4000K
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2050 LEDS AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

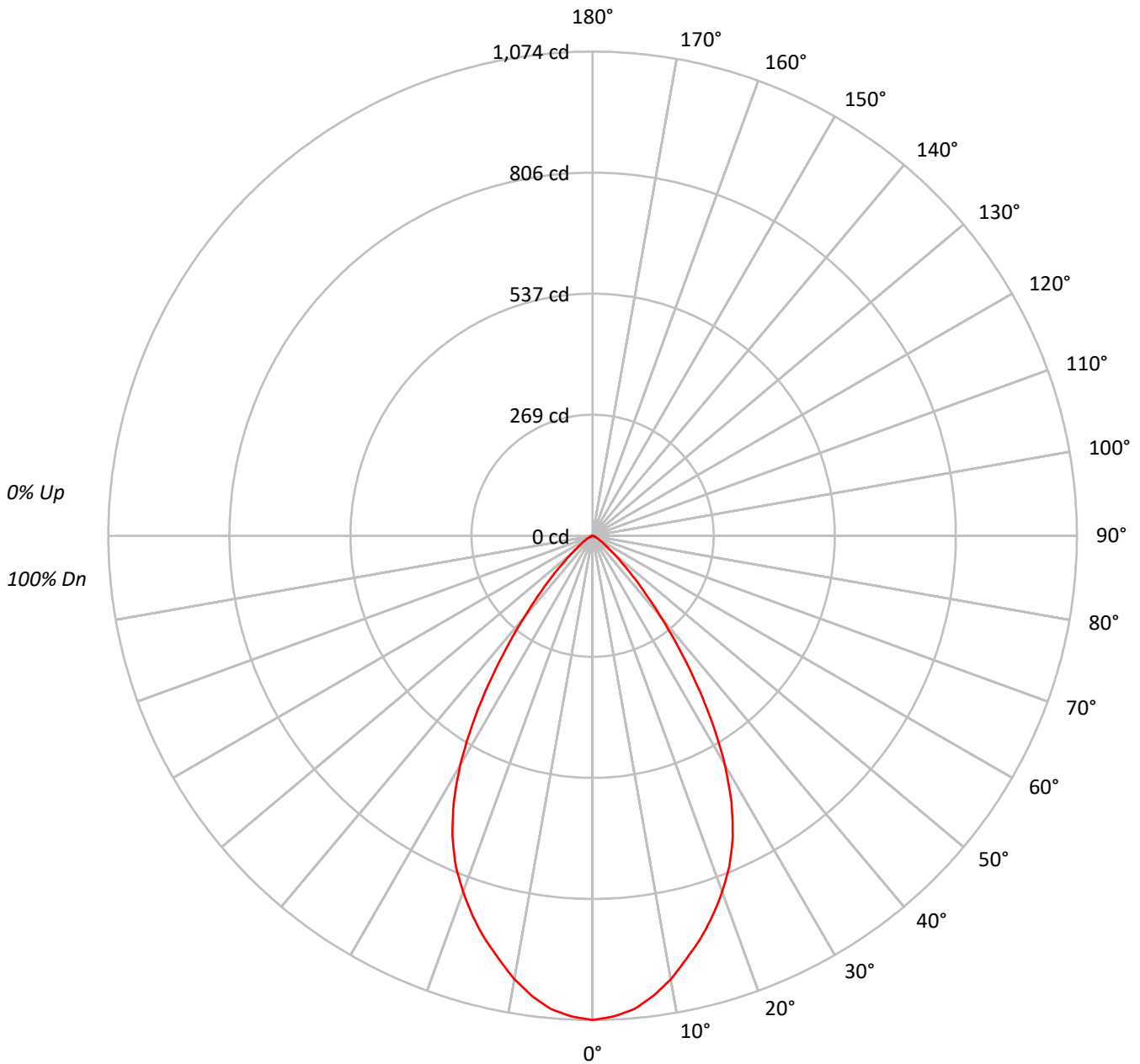
Lumens per Lamp: N/A
Luminaire Lumens: 1083.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
Input Voltage (V): NR
Input Current (Ain): 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: P858359

CATALOG NUMBER: LD4C15W2N2050D010 4LBMH_4000K

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°	131932
5°	130007
10°	124574
15°	117661
20°	109833
25°	99700
30°	83243
35°	60306
40°	37752
45°	21579
50°	11257
55°	6297
60°	4030
65°	2384
70°	1760
75°	759
80°	1132
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	9.1
10°-20°	259.2	23.9
20°-30°	333.2	30.8
30°-40°	250.7	23.1
40°-50°	100.7	9.3
50°-60°	28.6	2.6
60°-70°	9.1	0.8
70°-80°	2.6	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°	691.2	63.8
0°-40°	941.9	87.0
0°-60°	1071.2	98.9
0°-90°	1083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1074	
5°	1054	99
15°	925	259
25°	736	333
35°	402	251
45°	124	101
55°	29	29
65°	8	9
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1073.9
2.5°	1067.3
5°	1054.2
7.5°	1029.7
10°	998.6
12.5°	961.1
15°	925.1
17.5°	884.3
20°	840.1
22.5°	792.8
25°	735.5
27.5°	666.9
30°	586.8
32.5°	496.9
35°	402.1
37.5°	313.8
40°	235.4
42.5°	173.3
45°	124.2
47.5°	85.0
50°	58.9
52.5°	40.9
55°	29.4
57.5°	21.3
60°	16.4
62.5°	11.4
65°	8.2
67.5°	6.5
70°	4.9
72.5°	3.3
75°	1.6
77.5°	1.6
80°	1.6
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)