

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: P858417

Luminaire Tested: **LD4C15W2N2765D010 4LBNLI\_3500K**

Issue Date: 11/9/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 11/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C15W2N2765D010 4LBNLI\_3500K  
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2765 LEDS  
AND 4LBNLI TRIM WITH FINISH  
  
Light Source: -  
Ballast/Driver: -

**Summary**

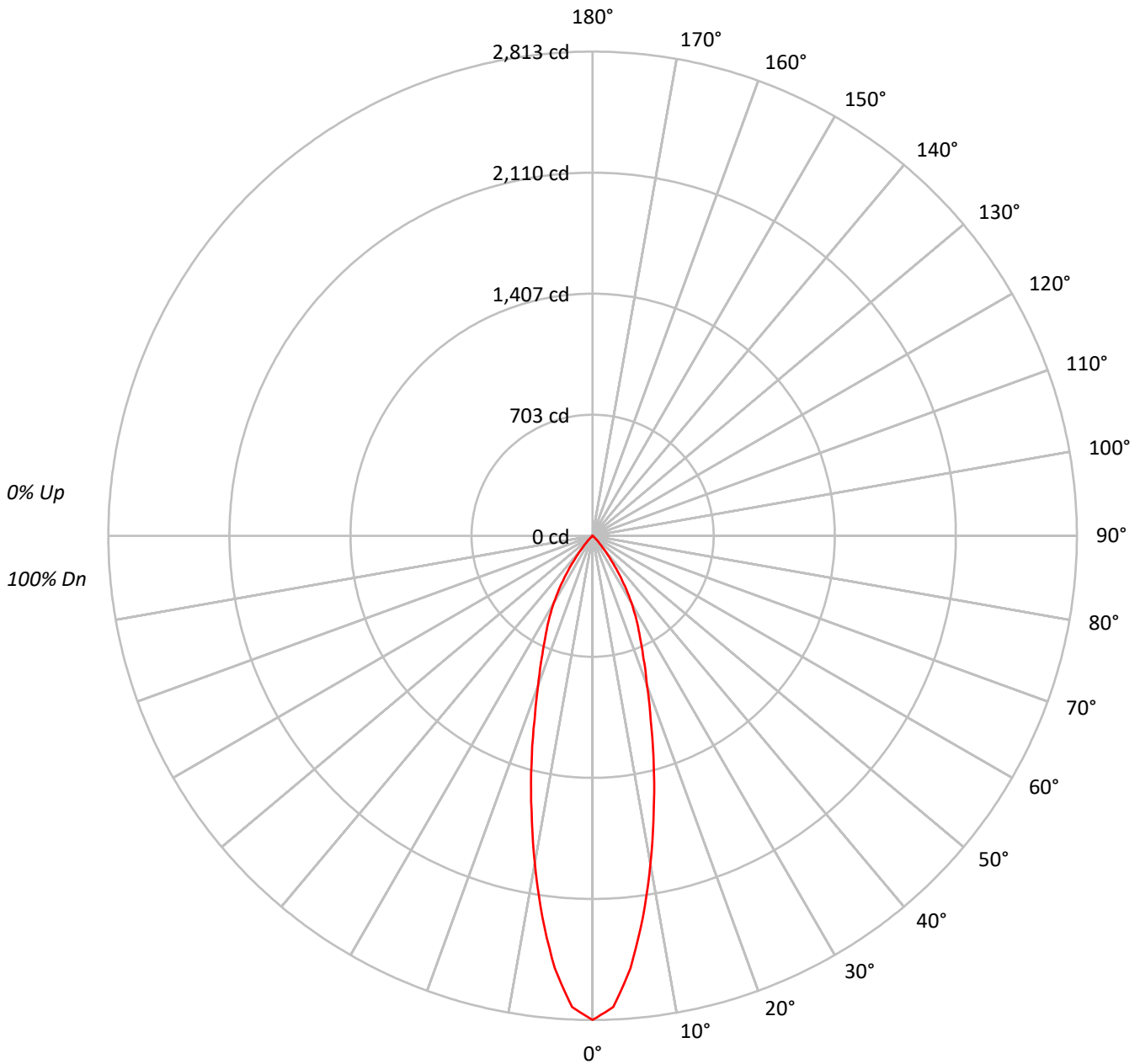
Lumens per Lamp: N/A  
Luminaire Lumens: 1093.0 lumens  
Efficiency: N/A  
Efficacy: 56.9 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90				90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85				85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81				81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77				77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73				73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69				69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66				66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63				63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61				61

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

	0°
0°	345562
5°	310971
10°	241064
15°	174488
20°	120815
25°	88083
30°	63993
35°	37869
40°	15925
45°	4969
50°	650
55°	364
60°	418
65°	494
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.7	20.3
10°-20°	379.5	34.7
20°-30°	301.6	27.6
30°-40°	159.7	14.6
40°-50°	27.5	2.5
50°-60°	2.1	0.2
60°-70°	1.0	0.1
70°-80°	0.0	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°	902.7	82.6
0°-40°	1062.4	97.2
0°-60°	1092.0	99.9
0°-90°	1093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2813	
5°	2522	222
15°	1372	379
25°	650	302
35°	252	160
45°	29	27
55°	2	2
65°	2	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2812.8
2.5°	2740.3
5°	2521.6
7.5°	2235.4
10°	1932.4
12.5°	1639.5
15°	1371.9
17.5°	1122.7
20°	924.1
22.5°	772.6
25°	649.8
27.5°	550.4
30°	451.1
32.5°	350.1
35°	252.5
37.5°	166.7
40°	99.3
42.5°	57.2
45°	28.6
47.5°	10.1
50°	3.4
52.5°	3.4
55°	1.7
57.5°	1.7
60°	1.7
62.5°	1.7
65°	1.7
67.5°	0.0
70°	0.0
72.5°	0.0
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)