

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: P857397

Luminaire Tested: **LD4C25D010 EU4259040 4LBMLI**

Issue Date: 7/19/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P857397  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/19/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C25D010 EU4259040 4LBMLI  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBM TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

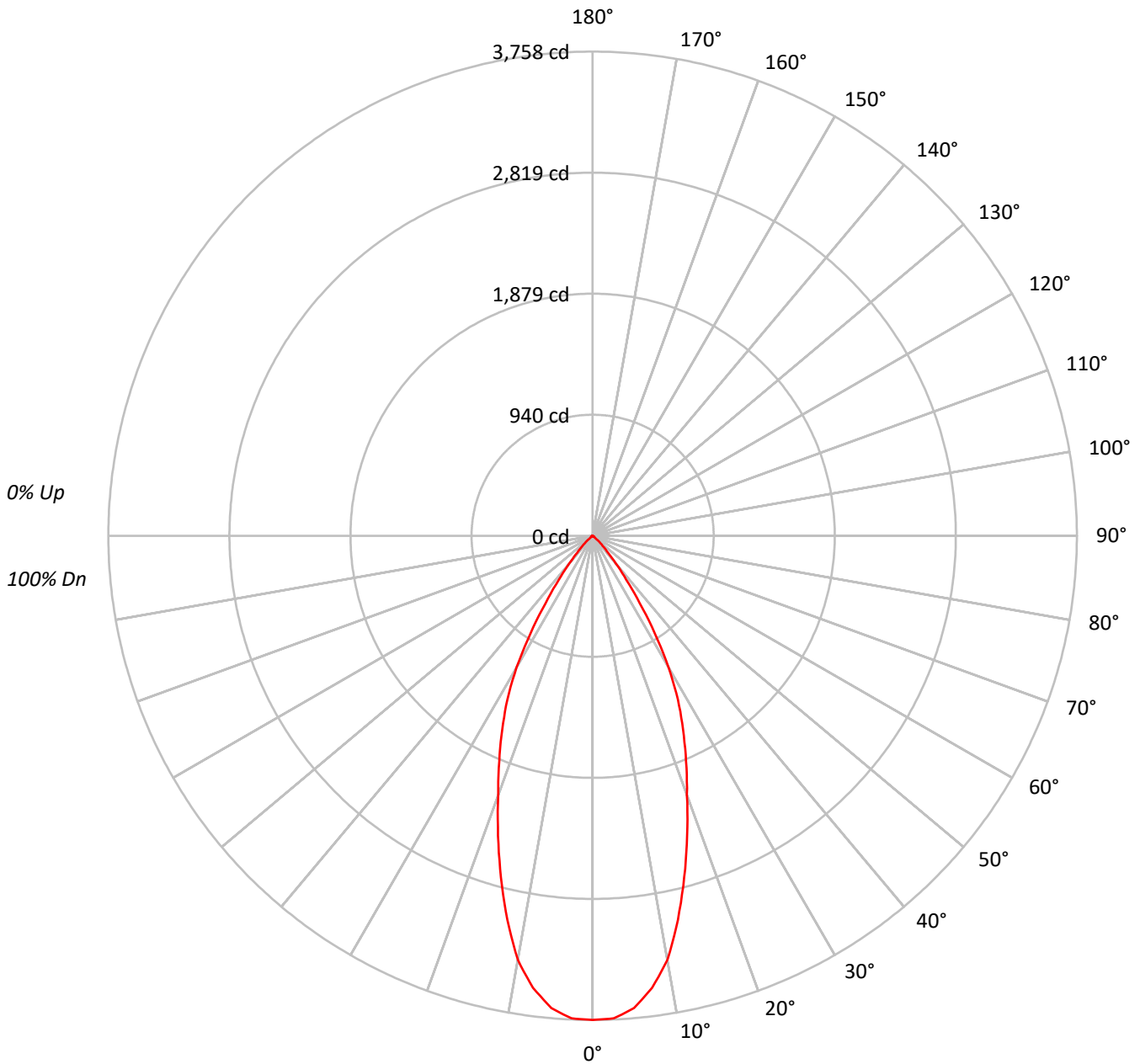
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2384.0 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.5  
Input Voltage (V):  
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									
RC	80									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																			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88																			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83																			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78																			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73																			
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69																			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65																			
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62																			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58																			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56																			

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

	0°
0°	461708
5°	453865
10°	417022
15°	349244
20°	279792
25°	224816
30°	167351
35°	95610
40°	44873
45°	19059
50°	6059
55°	3084
60°	2138
65°	1686
70°	1042
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.3	14.3
10°-20°	760.7	31.9
20°-30°	756.4	31.7
30°-40°	411.9	17.3
40°-50°	95.2	4.0
50°-60°	13.4	0.6
60°-70°	5.0	0.2
70°-80°	1.1	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°	1857.4	77.9
0°-40°	2269.3	95.2
0°-60°	2377.9	99.7
0°-90°	2384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2384.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3758	
5°	3680	340
15°	2746	761
25°	1658	756
35°	638	412
45°	110	95
55°	14	13
65°	6	5
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3758.2
2.5°	3749.6
5°	3680.3
7.5°	3539.0
10°	3342.9
12.5°	3054.5
15°	2745.9
17.5°	2440.1
20°	2140.1
22.5°	1895.0
25°	1658.5
27.5°	1433.5
30°	1179.7
32.5°	897.1
35°	637.5
37.5°	429.7
40°	279.8
42.5°	175.9
45°	109.7
47.5°	63.5
50°	31.7
52.5°	17.3
55°	14.4
57.5°	8.7
60°	8.7
62.5°	5.8
65°	5.8
67.5°	2.9
70°	2.9
72.5°	2.9
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)