

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: P857183

Luminaire Tested: **LD4C20D010 EU4209040 4LBMLI**

Issue Date: 7/19/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P857183  
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: LD4C20D010 EU4209040 4LBMLI  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBM TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

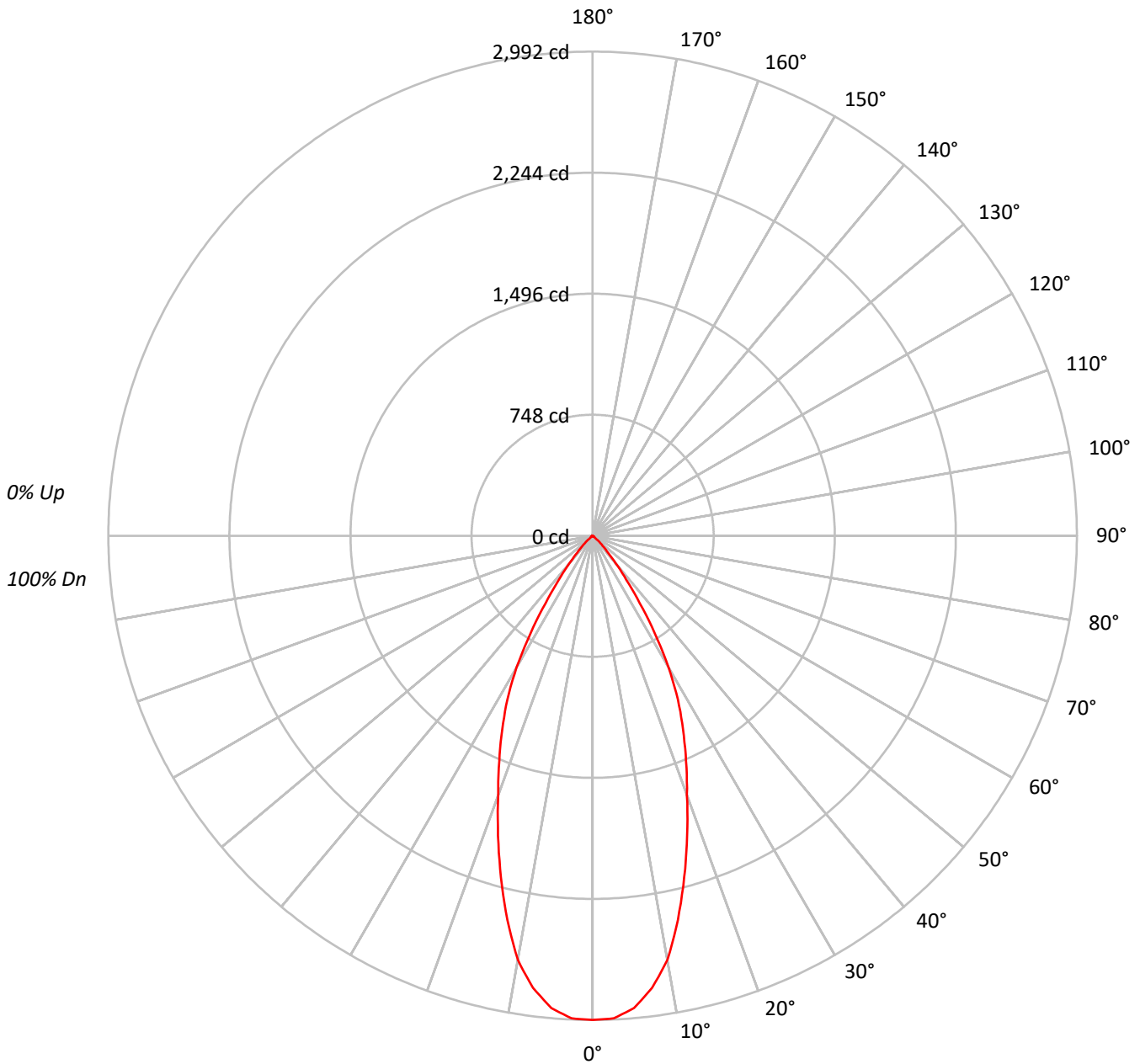
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1898.0 lumens  
Efficiency: N/A  
Efficacy: 87.1 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): 21.8  
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				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
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°	367590
5°	361336
10°	332019
15°	278044
20°	222764
25°	178985
30°	133234
35°	76113
40°	35715
45°	15168
50°	4835
55°	2463
60°	1695
65°	1337
70°	826
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.9	14.3
10°-20°	605.7	31.9
20°-30°	602.2	31.7
30°-40°	327.9	17.3
40°-50°	75.8	4.0
50°-60°	10.7	0.6
60°-70°	4.0	0.2
70°-80°	0.9	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°	1478.8	77.9
0°-40°	1806.7	95.2
0°-60°	1893.1	99.7
0°-90°	1898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1898.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2992	
5°	2930	271
15°	2186	606
25°	1320	602
35°	508	328
45°	87	76
55°	12	11
65°	5	4
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2992.1
2.5°	2985.2
5°	2930.0
7.5°	2817.6
10°	2661.5
12.5°	2431.8
15°	2186.1
17.5°	1942.7
20°	1703.9
22.5°	1508.7
25°	1320.4
27.5°	1141.3
30°	939.2
32.5°	714.2
35°	507.5
37.5°	342.1
40°	222.7
42.5°	140.0
45°	87.3
47.5°	50.5
50°	25.3
52.5°	13.8
55°	11.5
57.5°	6.9
60°	6.9
62.5°	4.6
65°	4.6
67.5°	2.3
70°	2.3
72.5°	2.3
75°	0.0
77.5°	0.0
80°	0.0
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)