

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: P859174

Luminaire Tested: **LD4C60D010 EU4609027 4LBMLI**

Issue Date: 7/19/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P859174  
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: LD4C60D010 EU4609027 4LBMLI  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBM TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

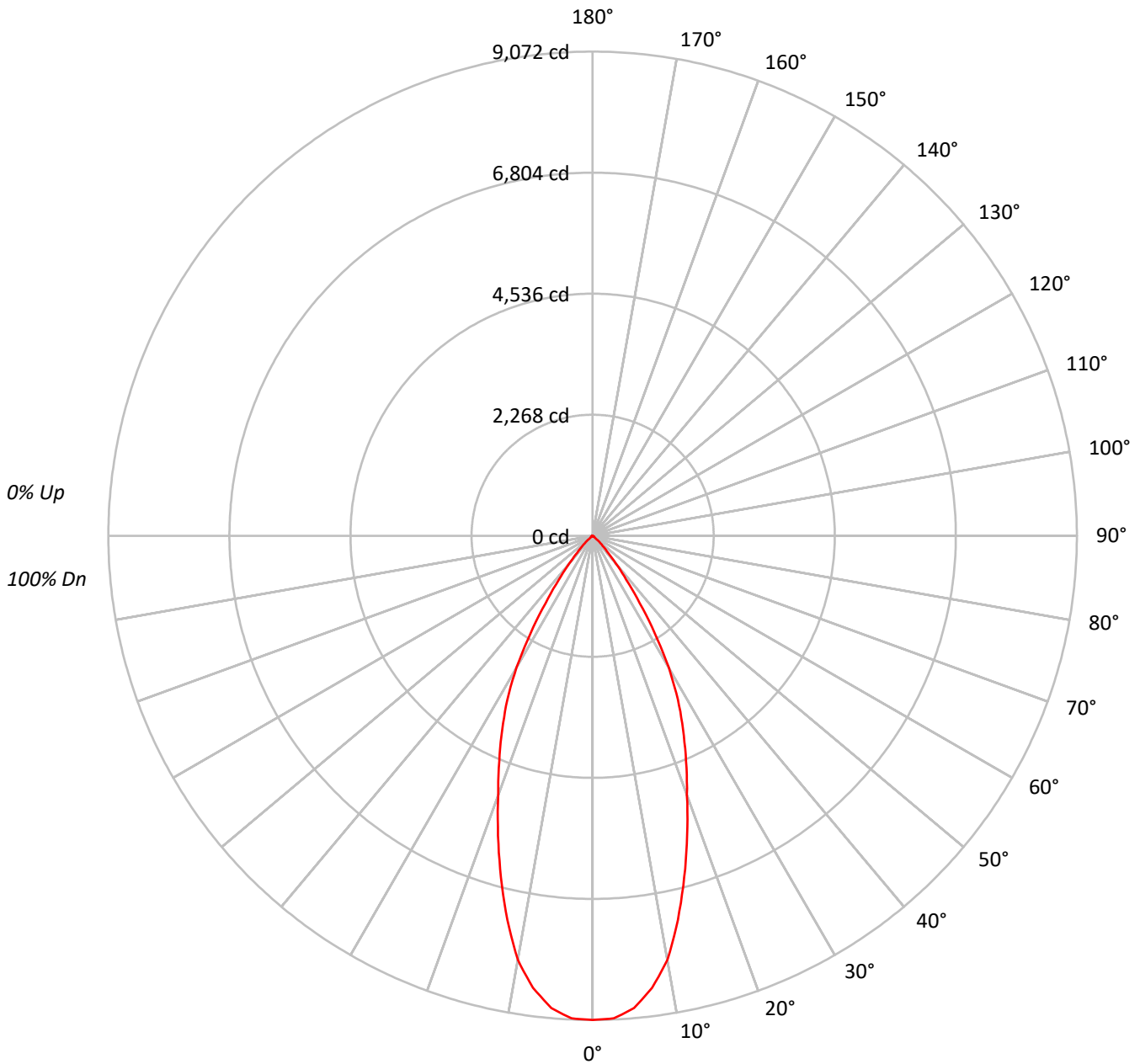
Lumens per Lamp: N/A  
Luminaire Lumens: 5755.0 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73	73	73	73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69	69	69	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65	65	65	65
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62	62	62	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58	58	58	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56	56	56	56

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

	0°
0°	1114576
5°	1095636
10°	1006709
15°	843074
20°	675431
25°	542703
30°	404000
35°	230799
40°	108316
45°	45989
50°	14640
55°	7454
60°	5135
65°	4041
70°	2514
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	821.4	14.3
10°-20°	1836.5	31.9
20°-30°	1825.9	31.7
30°-40°	994.3	17.3
40°-50°	229.8	4.0
50°-60°	32.4	0.6
60°-70°	12.0	0.2
70°-80°	2.7	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°	4483.8	77.9
0°-40°	5478.1	95.2
0°-60°	5740.3	99.7
0°-90°	5755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5755.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9072	
5°	8884	821
15°	6629	1836
25°	4004	1826
35°	1539	994
45°	265	230
55°	35	32
65°	14	12
75°	0	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9072.4
2.5°	9051.5
5°	8884.3
7.5°	8543.3
10°	8069.9
12.5°	7373.6
15°	6628.6
17.5°	5890.5
20°	5166.3
22.5°	4574.5
25°	4003.6
27.5°	3460.6
30°	2847.9
32.5°	2165.5
35°	1538.9
37.5°	1037.3
40°	675.4
42.5°	424.6
45°	264.7
47.5°	153.3
50°	76.6
52.5°	41.8
55°	34.8
57.5°	20.9
60°	20.9
62.5°	13.9
65°	13.9
67.5°	7.0
70°	7.0
72.5°	7.0
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)