

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: P839191

Luminaire Tested: **LD4C10D010 EU4109027 4LBPSMW**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C10D010 EU4109027 4LBPSMW  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

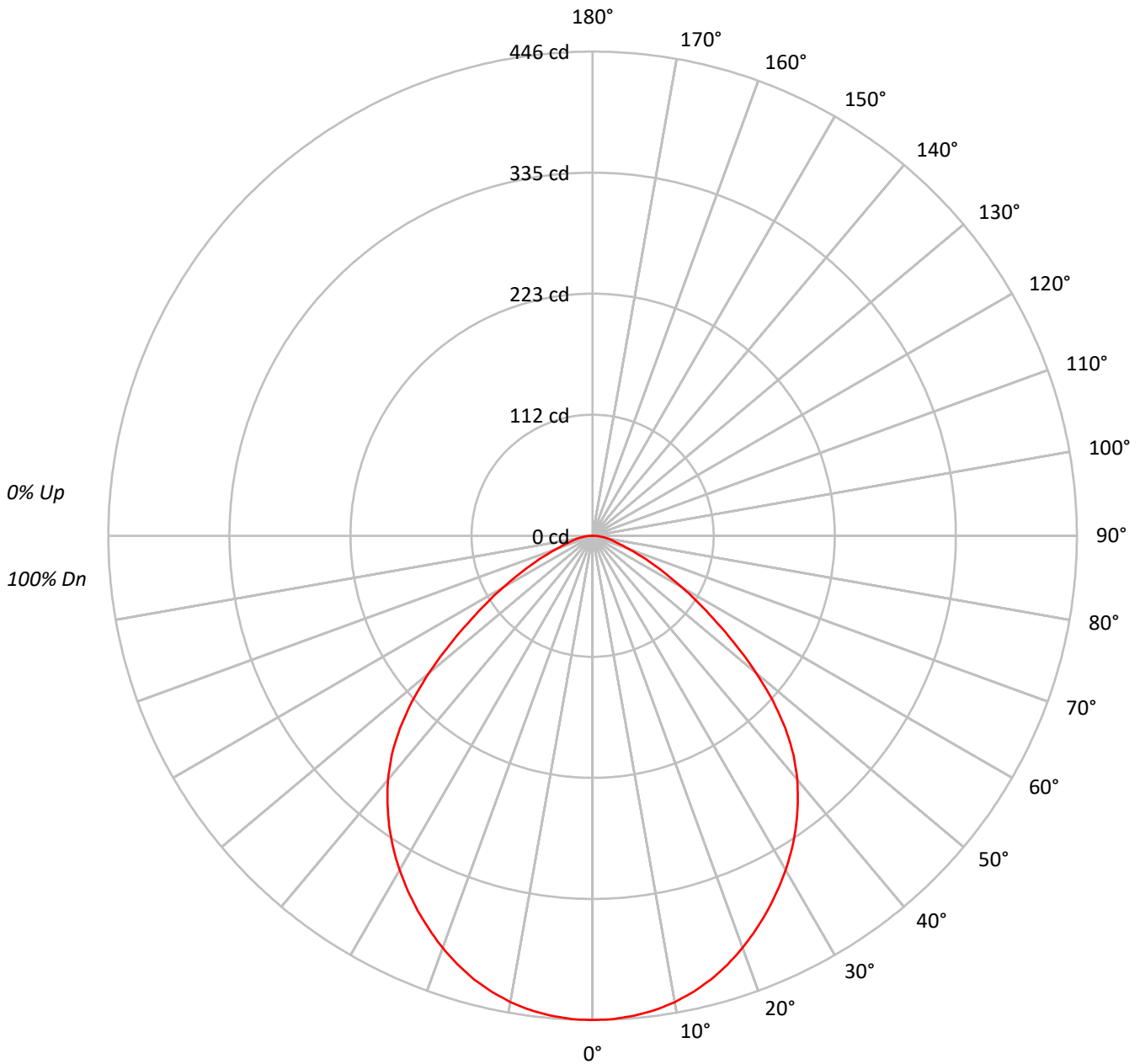
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 951.0 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.8  
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

TEST NUMBER: P839191

CATALOG NUMBER: LD4C10D010 EU4109027 4LBPSMW

### Luminous Intensity Polar Plot





TEST NUMBER: P839191

CATALOG NUMBER: LD4C10D010 EU4109027 4LBPSMW

**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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

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

	0°
0°	54793
5°	54706
10°	54403
15°	53775
20°	52805
25°	51660
30°	50431
35°	48982
40°	47022
45°	43609
50°	37575
55°	29965
60°	23342
65°	17471
70°	12680
75°	10063
80°	9410
85°	9444



TEST NUMBER: P839191

CATALOG NUMBER: LD4C10D010 EU4109027 4LBPSMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.1	4.4
10°-20°	119.1	12.5
20°-30°	175.5	18.5
30°-40°	203.8	21.4
40°-50°	191.6	20.1
50°-60°	126.8	13.3
60°-70°	61.1	6.4
70°-80°	23.6	2.5
80°-90°	7.4	0.8
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°	336.7	35.4
0°-40°	540.5	56.8
0°-60°	859.0	90.3
0°-90°	951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	951.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	446	
5°	444	42
15°	423	119
25°	381	175
35°	327	204
45°	251	192
55°	140	127
65°	60	61
75°	21	24
85°	7	7
90°	0	



TEST NUMBER: P839191

CATALOG NUMBER: LD4C10D010 EU4109027 4LBPSMW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	446.0
2.5°	445.6
5°	443.6
7.5°	440.6
10°	436.1
12.5°	430.1
15°	422.8
17.5°	413.9
20°	403.9
22.5°	392.8
25°	381.1
27.5°	368.6
30°	355.5
32.5°	341.6
35°	326.6
37.5°	310.3
40°	293.2
42.5°	273.8
45°	251.0
47.5°	225.2
50°	196.6
52.5°	167.6
55°	139.9
57.5°	116.1
60°	95.0
62.5°	76.0
65°	60.1
67.5°	46.6
70°	35.3
72.5°	26.8
75°	21.2
77.5°	17.1
80°	13.3
82.5°	9.9
85°	6.7
87.5°	3.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)