

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: P839215

Luminaire Tested: **LD4C15D010 EU4159040 4LBPSMW**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839215  
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: LD4C15D010 EU4159040 4LBPSMW  
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

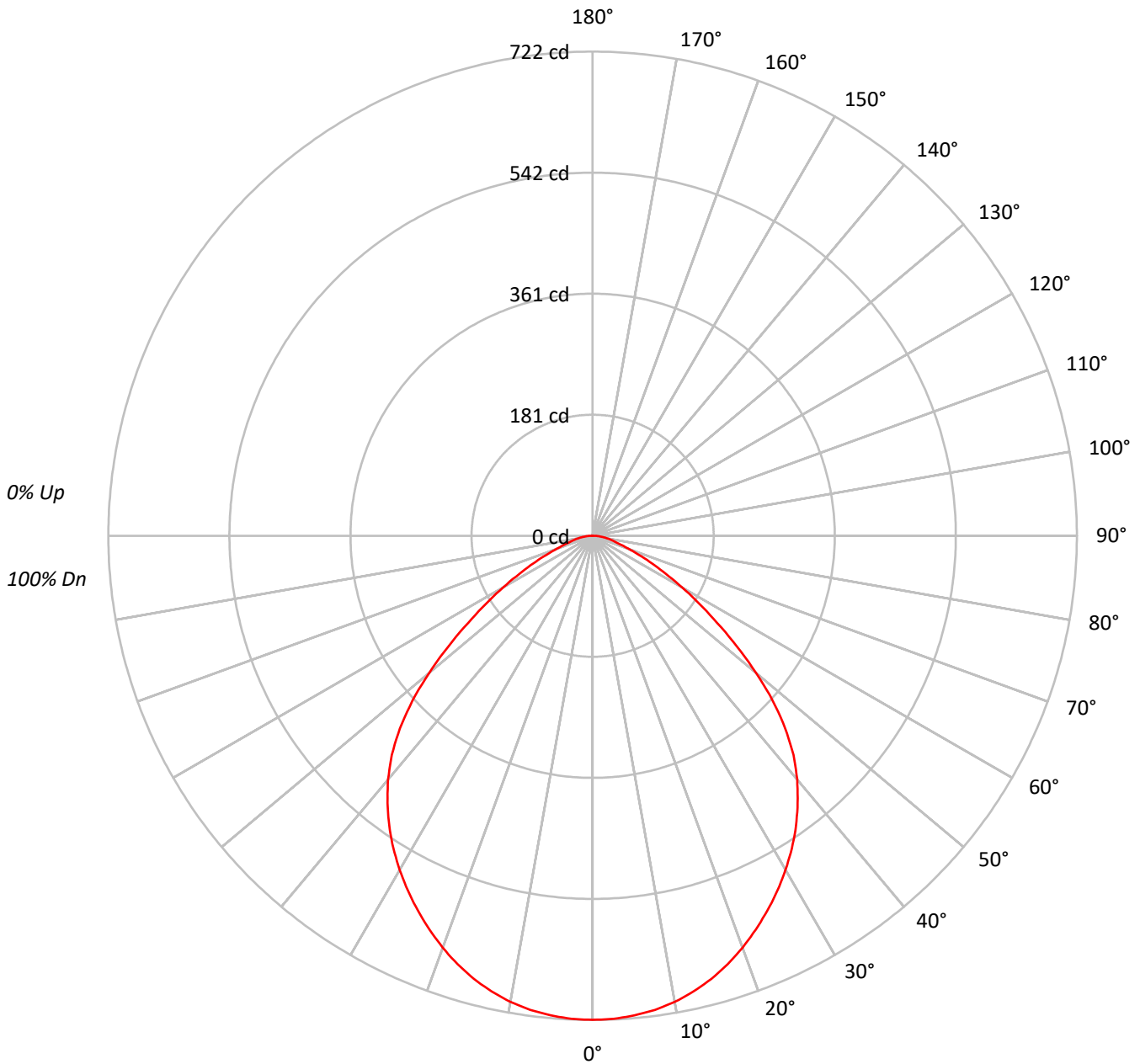
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1539.0 lumens  
Efficiency: N/A  
Efficacy: 97.4 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): 15.8  
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									
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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66																			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51																			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46																			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41																			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37																			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33																			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30																			

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

	0°
0°	88676
5°	88533
10°	88048
15°	87022
20°	85450
25°	83596
30°	81611
35°	79278
40°	76081
45°	70574
50°	60797
55°	48514
60°	37765
65°	28256
70°	20510
75°	16281
80°	15211
85°	15224



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.1	4.4
10°-20°	192.7	12.5
20°-30°	284.0	18.5
30°-40°	329.9	21.4
40°-50°	310.1	20.1
50°-60°	205.3	13.3
60°-70°	98.9	6.4
70°-80°	38.1	2.5
80°-90°	11.9	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°	544.8	35.4
0°-40°	874.7	56.8
0°-60°	1390.1	90.3
0°-90°	1539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1539.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	722	
5°	718	68
15°	684	193
25°	617	284
35°	529	330
45°	406	310
55°	226	205
65°	97	99
75°	34	38
85°	11	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	721.8
2.5°	721.1
5°	717.9
7.5°	713.0
10°	705.8
12.5°	696.0
15°	684.2
17.5°	669.9
20°	653.6
22.5°	635.6
25°	616.7
27.5°	596.5
30°	575.3
32.5°	552.8
35°	528.6
37.5°	502.2
40°	474.4
42.5°	443.1
45°	406.2
47.5°	364.5
50°	318.1
52.5°	271.2
55°	226.5
57.5°	187.9
60°	153.7
62.5°	123.0
65°	97.2
67.5°	75.4
70°	57.1
72.5°	43.4
75°	34.3
77.5°	27.7
80°	21.5
82.5°	16.0
85°	10.8
87.5°	6.2
90°	0.0



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— 0°-180°







(END OF REPORT)