

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: P839242

Luminaire Tested: **LD4C25D010 EU4259035 4LBPSMW**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839242  
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: LD4C25D010 EU4259035 4LBPSMW  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

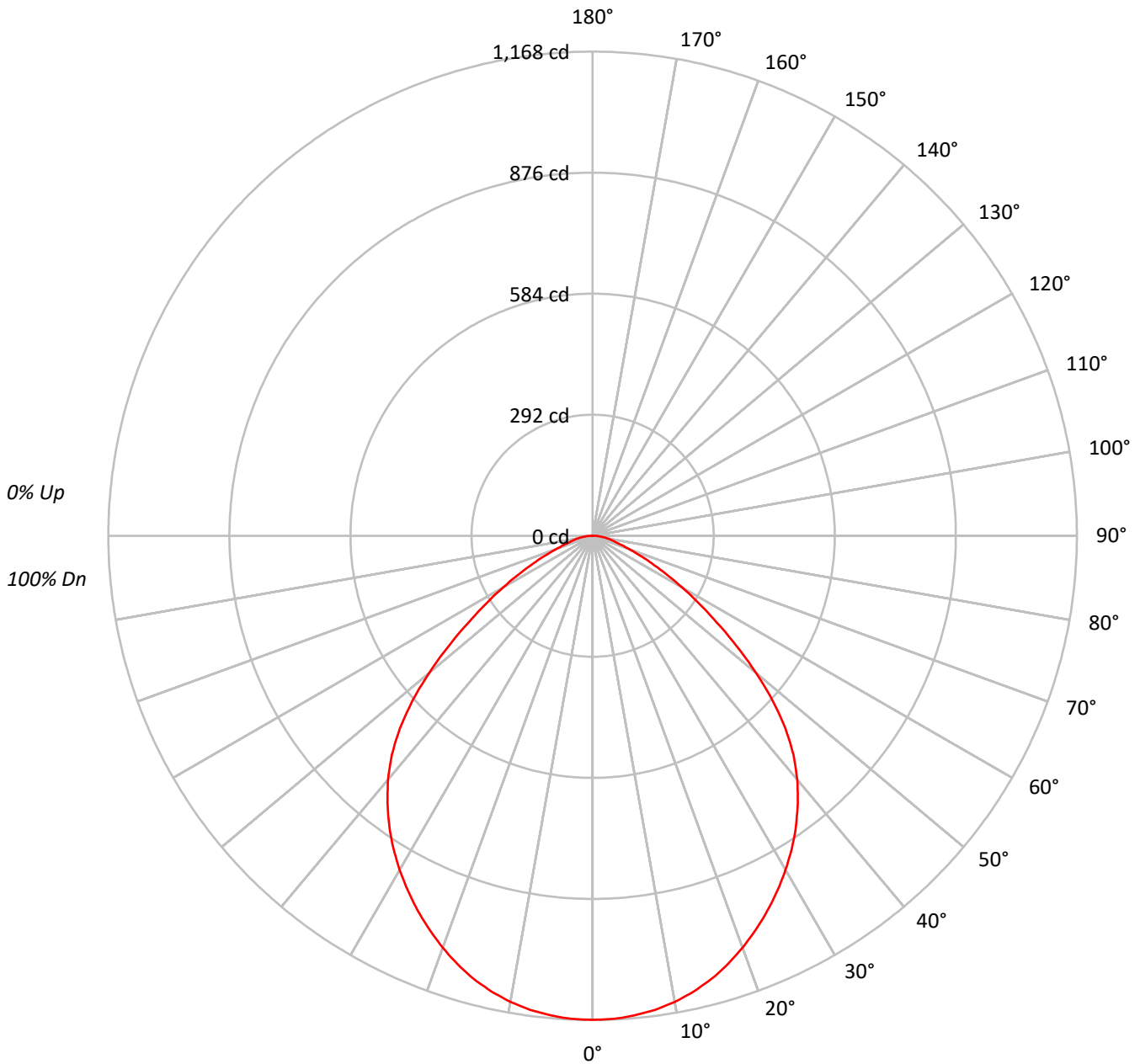
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2490.0 lumens  
Efficiency: N/A  
Efficacy: 79.0 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): 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	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°	143468
5°	143227
10°	142451
15°	140809
20°	138242
25°	135256
30°	132028
35°	128260
40°	123103
45°	114200
50°	98373
55°	78479
60°	61107
65°	45726
70°	33190
75°	26297
80°	24620
85°	24527



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.3	4.4
10°-20°	311.8	12.5
20°-30°	459.5	18.5
30°-40°	533.7	21.4
40°-50°	501.7	20.1
50°-60°	332.1	13.3
60°-70°	160.0	6.4
70°-80°	61.7	2.5
80°-90°	19.2	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°	881.5	35.4
0°-40°	1415.2	56.8
0°-60°	2249.0	90.3
0°-90°	2490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2490.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1168	
5°	1161	110
15°	1107	312
25°	998	459
35°	855	534
45°	657	502
55°	366	332
65°	157	160
75°	55	62
85°	17	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1167.8
2.5°	1166.7
5°	1161.4
7.5°	1153.5
10°	1141.9
12.5°	1126.1
15°	1107.1
17.5°	1083.8
20°	1057.4
22.5°	1028.4
25°	997.8
27.5°	965.1
30°	930.7
32.5°	894.3
35°	855.2
37.5°	812.5
40°	767.6
42.5°	716.9
45°	657.3
47.5°	589.7
50°	514.7
52.5°	438.7
55°	366.4
57.5°	304.1
60°	248.7
62.5°	199.0
65°	157.3
67.5°	122.0
70°	92.4
72.5°	70.2
75°	55.4
77.5°	44.9
80°	34.8
82.5°	25.9
85°	17.4
87.5°	10.0
90°	0.0



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— 0°-180°







(END OF REPORT)