

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: P839143

Luminaire Tested: **LD4C02D010 EU4029035 4LBPSMW**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839143  
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: LD4C02D010 EU4029035 4LBPSMW  
Description: 4 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND  
4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

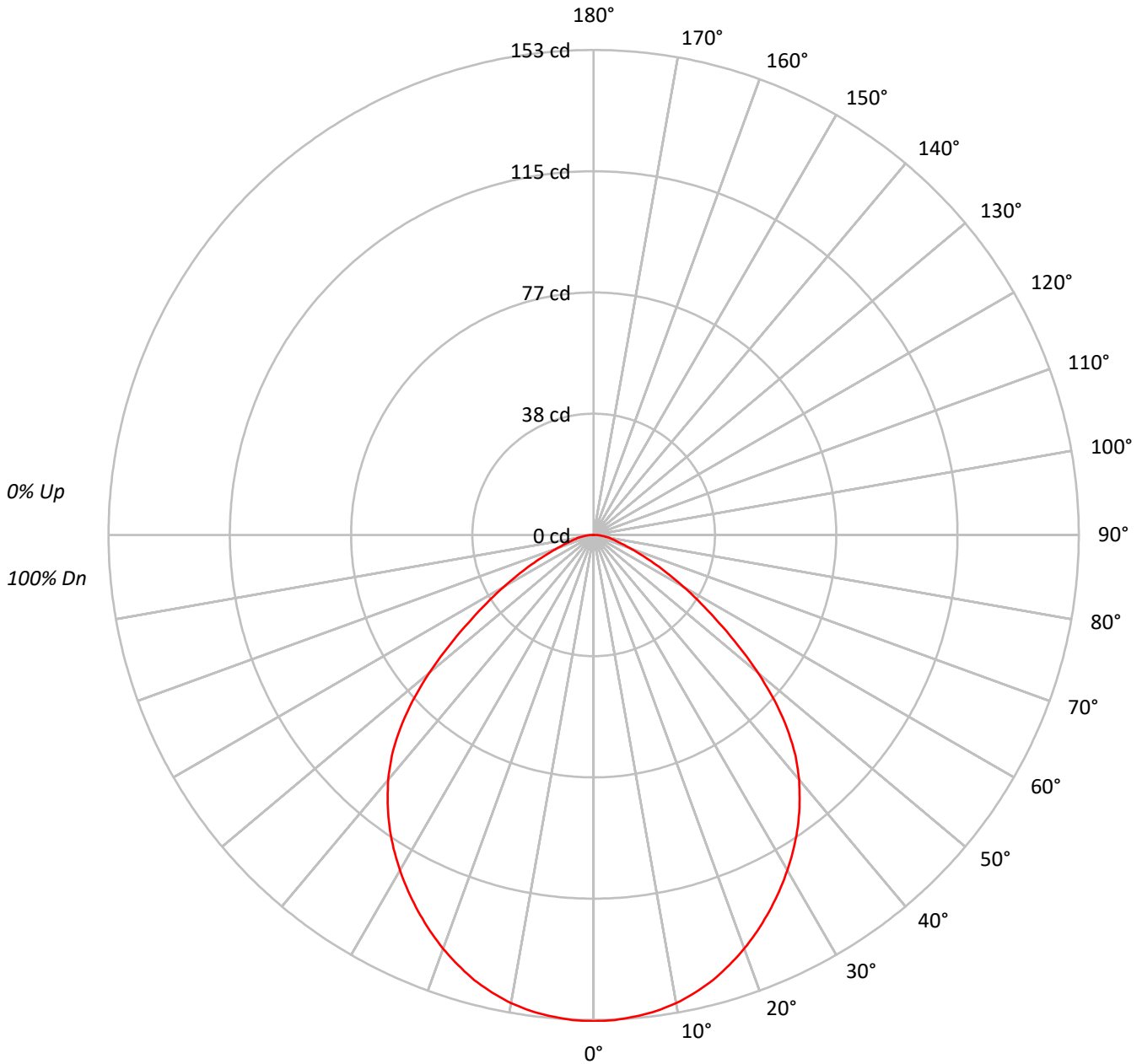
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 327.0 lumens  
Efficiency: N/A  
Efficacy: 93.4 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): 3.5  
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				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°	18846
5°	18807
10°	18712
15°	18493
20°	18159
25°	17758
30°	17335
35°	16842
40°	16166
45°	14994
50°	12920
55°	10302
60°	8035
65°	6017
70°	4346
75°	3465
80°	3254
85°	3242



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.5	4.4
10°-20°	40.9	12.5
20°-30°	60.3	18.5
30°-40°	70.1	21.4
40°-50°	65.9	20.1
50°-60°	43.6	13.3
60°-70°	21.0	6.4
70°-80°	8.1	2.5
80°-90°	2.5	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°	115.8	35.4
0°-40°	185.8	56.8
0°-60°	295.3	90.3
0°-90°	327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	153	
5°	152	14
15°	145	41
25°	131	60
35°	112	70
45°	86	66
55°	48	44
65°	21	21
75°	7	8
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	153.4
2.5°	153.2
5°	152.5
7.5°	151.5
10°	150.0
12.5°	147.9
15°	145.4
17.5°	142.3
20°	138.9
22.5°	135.1
25°	131.0
27.5°	126.7
30°	122.2
32.5°	117.4
35°	112.3
37.5°	106.7
40°	100.8
42.5°	94.2
45°	86.3
47.5°	77.4
50°	67.6
52.5°	57.6
55°	48.1
57.5°	39.9
60°	32.7
62.5°	26.1
65°	20.7
67.5°	16.0
70°	12.1
72.5°	9.2
75°	7.3
77.5°	5.9
80°	4.6
82.5°	3.4
85°	2.3
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)