

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: P839395

Luminaire Tested: **LD4C75D010 EU4759040 4LBPSMW**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839395  
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: LD4C75D010 EU4759040 4LBPSMW  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

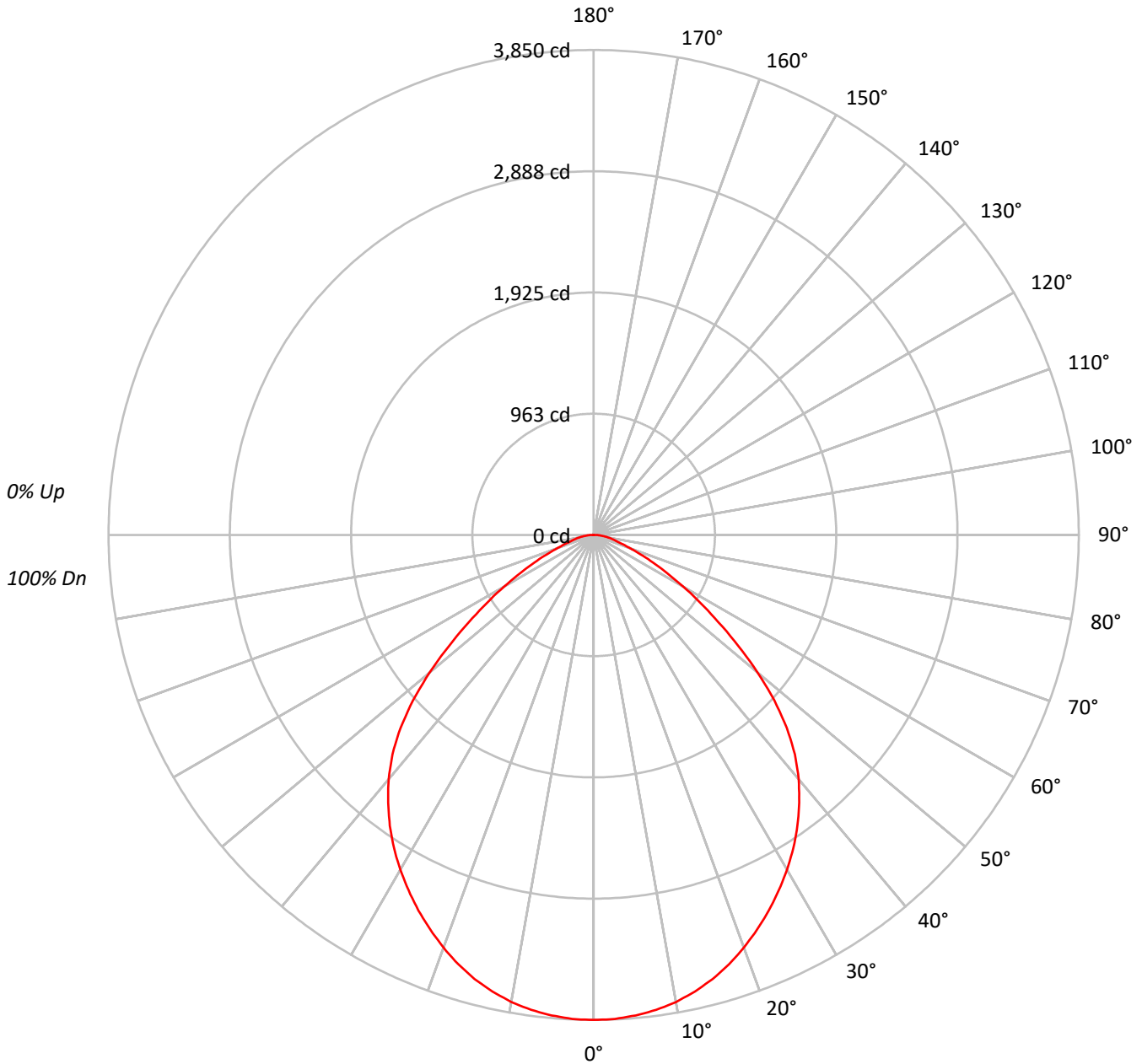
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8209.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 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): 81.5  
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
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°	472974
5°	472203
10°	469629
15°	464208
20°	455779
25°	445904
30°	435294
35°	422873
40°	405858
45°	376479
50°	324341
55°	258718
60°	201431
65°	150784
70°	109412
75°	86722
80°	81290
85°	80910



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.5	4.4
10°-20°	1027.9	12.5
20°-30°	1514.7	18.5
30°-40°	1759.6	21.4
40°-50°	1654.0	20.1
50°-60°	1094.8	13.3
60°-70°	527.6	6.4
70°-80°	203.4	2.5
80°-90°	63.5	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°	2906.1	35.4
0°-40°	4665.7	56.8
0°-60°	7414.5	90.3
0°-90°	8209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3850	
5°	3829	363
15°	3650	1028
25°	3290	1515
35°	2820	1760
45°	2167	1654
55°	1208	1095
65°	519	528
75°	183	203
85°	57	63
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3849.9
2.5°	3846.5
5°	3829.0
7.5°	3802.9
10°	3764.6
12.5°	3712.4
15°	3649.8
17.5°	3573.2
20°	3486.2
22.5°	3390.4
25°	3289.5
27.5°	3181.6
30°	3068.5
32.5°	2948.4
35°	2819.6
37.5°	2678.6
40°	2530.7
42.5°	2363.6
45°	2166.9
47.5°	1944.1
50°	1697.0
52.5°	1446.3
55°	1207.9
57.5°	1002.5
60°	819.8
62.5°	656.2
65°	518.7
67.5°	402.0
70°	304.6
72.5°	231.5
75°	182.7
77.5°	147.9
80°	114.9
82.5°	85.3
85°	57.4
87.5°	33.1
90°	0.0



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— 0°-180°







(END OF REPORT)