

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: P839245

Luminaire Tested: **LD4C25D010 EU4259040 4LBPSMW**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839245  
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 EU4259040 4LBPSMW  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

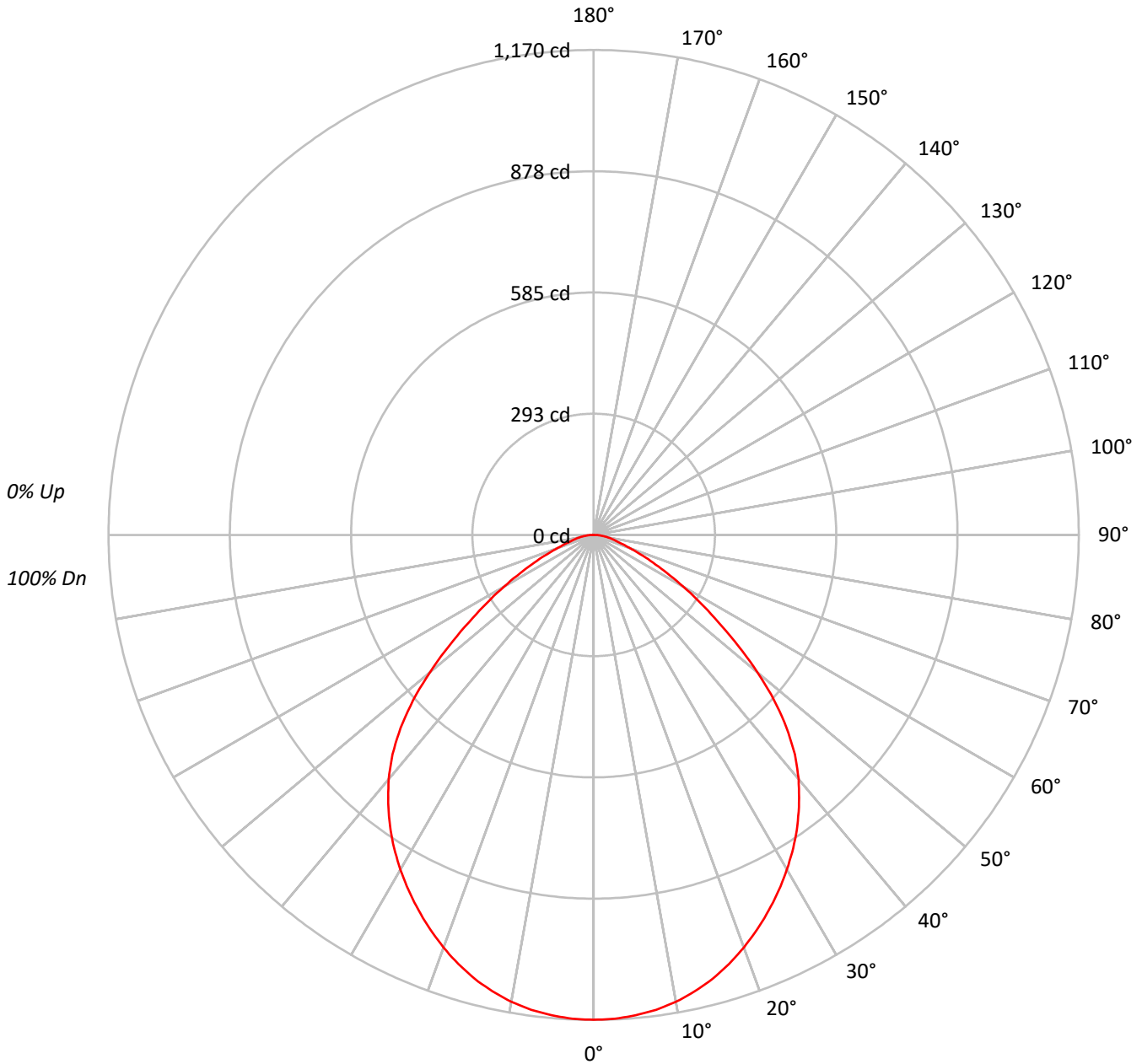
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2493.9 lumens  
Efficiency: N/A  
Efficacy: 79.2 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

TEST NUMBER: P839245

CATALOG NUMBER: LD4C25D010 EU4259040 4LBPSMW

### Luminous Intensity Polar Plot





TEST NUMBER: P839245

CATALOG NUMBER: LD4C25D010 EU4259040 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			
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°	143702
5°	143461
10°	142675
15°	141025
20°	138465
25°	135472
30°	132241
35°	128470
40°	123295
45°	114374
50°	98545
55°	78607
60°	61206
65°	45814
70°	33226
75°	26344
80°	24691
85°	24527



TEST NUMBER: P839245

CATALOG NUMBER: LD4C25D010 EU4259040 4LBPSMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.4	4.4
10°-20°	312.3	12.5
20°-30°	460.2	18.5
30°-40°	534.6	21.4
40°-50°	502.5	20.1
50°-60°	332.6	13.3
60°-70°	160.3	6.4
70°-80°	61.8	2.5
80°-90°	19.3	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°	882.9	35.4
0°-40°	1417.5	56.8
0°-60°	2252.6	90.3
0°-90°	2493.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2493.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1170	
5°	1163	110
15°	1109	312
25°	999	460
35°	857	535
45°	658	502
55°	367	333
65°	158	160
75°	56	62
85°	17	19
90°	0	



TEST NUMBER: P839245

CATALOG NUMBER: LD4C25D010 EU4259040 4LBPSMW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1169.7
2.5°	1168.6
5°	1163.3
7.5°	1155.4
10°	1143.7
12.5°	1127.9
15°	1108.8
17.5°	1085.6
20°	1059.1
22.5°	1030.1
25°	999.4
27.5°	966.6
30°	932.2
32.5°	895.8
35°	856.6
37.5°	813.8
40°	768.8
42.5°	718.1
45°	658.3
47.5°	590.6
50°	515.6
52.5°	439.4
55°	367.0
57.5°	304.6
60°	249.1
62.5°	199.3
65°	157.6
67.5°	122.1
70°	92.5
72.5°	70.3
75°	55.5
77.5°	44.9
80°	34.9
82.5°	25.9
85°	17.4
87.5°	10.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)