

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: P857359

Luminaire Tested: **LX4C25D010 EX4C259030 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C25D010 EX4C259030 4LBMDLI  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

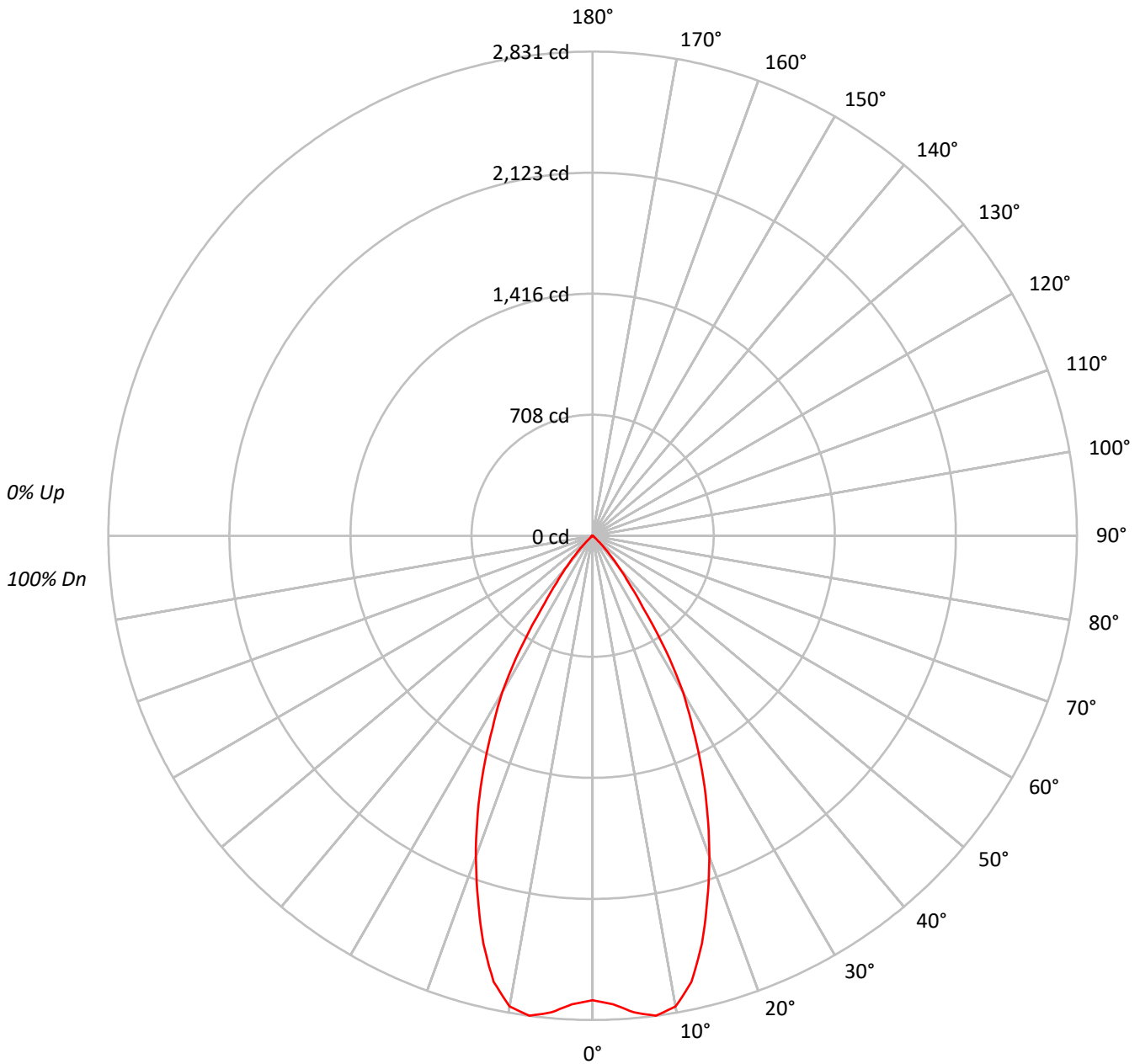
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2068.0 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82  
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88																			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83																			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78																			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73																			
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69																			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65																			
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62																			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58																			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55																			

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

	0°
0°	333695
5°	345057
10°	348560
15°	313987
20°	260927
25°	204713
30°	149817
35°	77418
40°	36774
45°	12926
50°	2924
55°	1906
60°	1327
65°	1017
70°	718
75°	475
80°	354
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.2	12.9
10°-20°	680.0	32.9
20°-30°	688.0	33.3
30°-40°	350.8	17.0
40°-50°	68.8	3.3
50°-60°	8.3	0.4
60°-70°	3.5	0.2
70°-80°	1.3	0.1
80°-90°	0.2	0.0
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°	1635.3	79.1
0°-40°	1986.0	96.0
0°-60°	2063.1	99.8
0°-90°	2068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2068.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2716	
5°	2798	267
15°	2469	680
25°	1510	688
35°	516	351
45°	74	69
55°	9	8
65°	4	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2716.2
2.5°	2741.3
5°	2798.0
7.5°	2830.6
10°	2794.1
12.5°	2671.3
15°	2468.7
17.5°	2229.5
20°	1995.8
22.5°	1753.7
25°	1510.2
27.5°	1267.6
30°	1056.1
32.5°	795.8
35°	516.2
37.5°	345.6
40°	229.3
42.5°	144.0
45°	74.4
47.5°	26.6
50°	15.3
52.5°	11.3
55°	8.9
57.5°	6.9
60°	5.4
62.5°	4.4
65°	3.5
67.5°	2.5
70°	2.0
72.5°	1.5
75°	1.0
77.5°	1.0
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)