

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: P859041

Luminaire Tested: **LX4C50D010 EX4C509050 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859041  
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: LX4C50D010 EX4C509050 4LBMDLI  
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

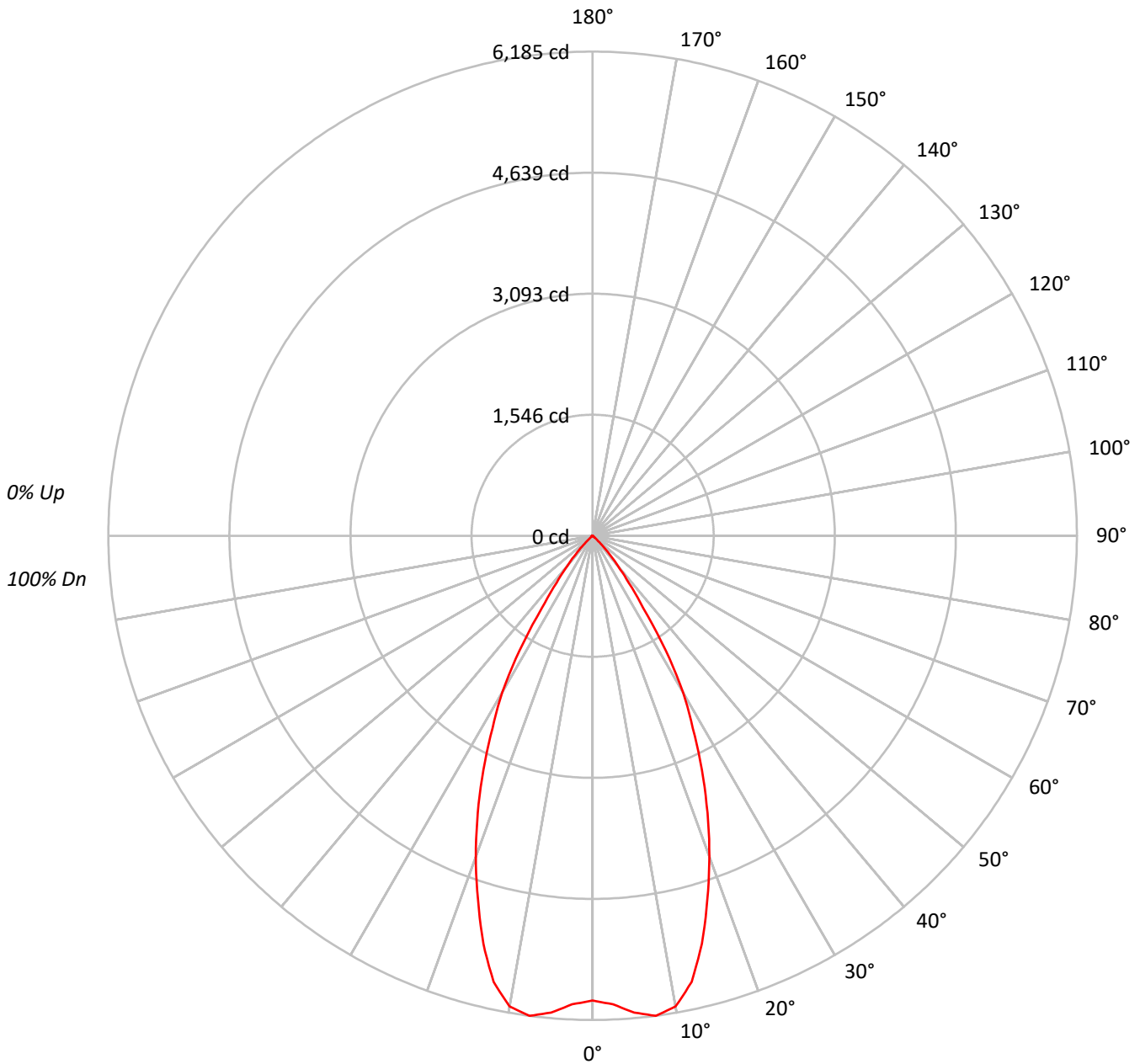
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4519.1 lumens  
Efficiency: N/A  
Efficacy: 77.4 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): 58.4  
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			
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	80	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°	729185
5°	754020
10°	761666
15°	686112
20°	570187
25°	447341
30°	327382
35°	169173
40°	80347
45°	28268
50°	6384
55°	4155
60°	2924
65°	2180
70°	1545
75°	1044
80°	778
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	584.0	12.9
10°-20°	1485.9	32.9
20°-30°	1503.5	33.3
30°-40°	766.5	17.0
40°-50°	150.3	3.3
50°-60°	18.2	0.4
60°-70°	7.6	0.2
70°-80°	2.7	0.1
80°-90°	0.4	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°	3573.4	79.1
0°-40°	4339.9	96.0
0°-60°	4508.3	99.8
0°-90°	4519.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4519.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5935	
5°	6114	584
15°	5394	1486
25°	3300	1504
35°	1128	766
45°	163	150
55°	19	18
65°	8	8
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5935.4
2.5°	5990.3
5°	6114.2
7.5°	6185.3
10°	6105.6
12.5°	5837.3
15°	5394.5
17.5°	4872.0
20°	4361.3
22.5°	3832.3
25°	3300.1
27.5°	2770.0
30°	2307.8
32.5°	1738.9
35°	1128.0
37.5°	755.3
40°	501.0
42.5°	314.6
45°	162.7
47.5°	58.2
50°	33.4
52.5°	24.8
55°	19.4
57.5°	15.1
60°	11.9
62.5°	9.7
65°	7.5
67.5°	5.4
70°	4.3
72.5°	3.2
75°	2.2
77.5°	2.2
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)