

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: P858999

Luminaire Tested: **LX4C50D010 EX4C509035 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858999  
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 EX4C509035 4LBMDLI  
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

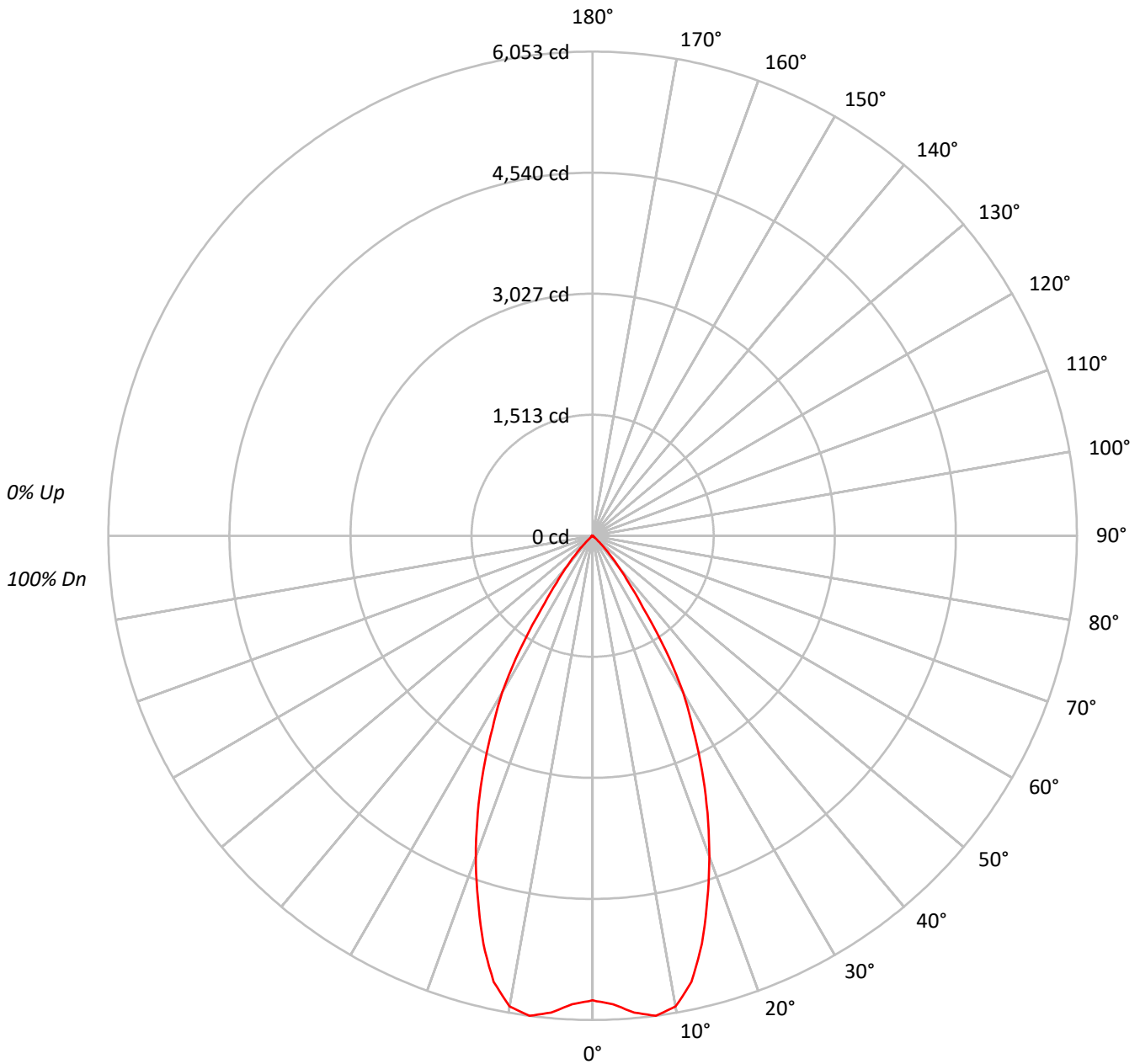
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4422.0 lumens  
Efficiency: N/A  
Efficacy: 75.7 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): 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

TEST NUMBER: P858999

CATALOG NUMBER: LX4C50D010 EX4C509035 4LBMDLI

### Luminous Intensity Polar Plot





TEST NUMBER: P858999

CATALOG NUMBER: LX4C50D010 EX4C509035 4LBMDLI

**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°	713533
5°	737840
10°	745311
15°	671383
20°	557950
25°	437730
30°	320346
35°	165544
40°	78615
45°	27660
50°	6250
55°	4070
60°	2850
65°	2151
70°	1509
75°	997
80°	778
85°	0



TEST NUMBER: P858999

CATALOG NUMBER: LX4C50D010 EX4C509035 4LBMDLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	571.5	12.9
10°-20°	1454.0	32.9
20°-30°	1471.2	33.3
30°-40°	750.0	17.0
40°-50°	147.0	3.3
50°-60°	17.8	0.4
60°-70°	7.4	0.2
70°-80°	2.6	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°	3496.7	79.1
0°-40°	4246.7	96.0
0°-60°	4411.5	99.8
0°-90°	4422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4422.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5808	
5°	5983	571
15°	5279	1454
25°	3229	1471
35°	1104	750
45°	159	147
55°	19	18
65°	7	7
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P858999

CATALOG NUMBER: LX4C50D010 EX4C509035 4LBMDLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5808.0
2.5°	5861.7
5°	5983.0
7.5°	6052.6
10°	5974.5
12.5°	5712.0
15°	5278.7
17.5°	4767.4
20°	4267.7
22.5°	3750.0
25°	3229.2
27.5°	2710.5
30°	2258.2
32.5°	1701.6
35°	1103.8
37.5°	739.0
40°	490.2
42.5°	307.8
45°	159.2
47.5°	56.9
50°	32.7
52.5°	24.2
55°	19.0
57.5°	14.8
60°	11.6
62.5°	9.5
65°	7.4
67.5°	5.3
70°	4.2
72.5°	3.2
75°	2.1
77.5°	2.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)