

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: P858209

Luminaire Tested: **LX4C45D010 EX4C459827 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858209  
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: LX4C45D010 EX4C459827 4LBMDLI  
Description:  
Light Source: -  
Ballast/Driver: -

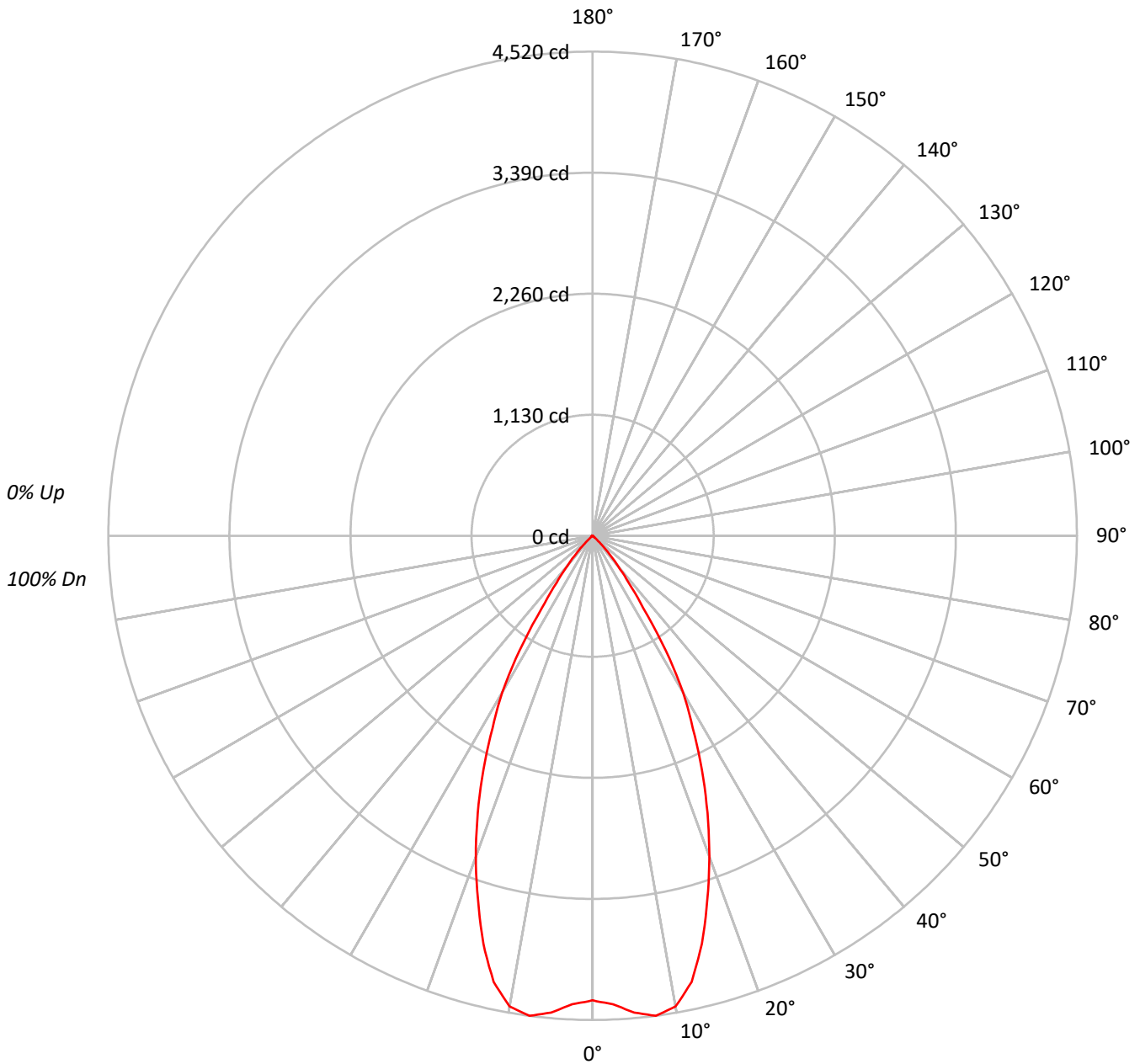
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3302.1 lumens  
Efficiency: N/A  
Efficacy: 66.6 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): 49.6  
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: P858209

CATALOG NUMBER: LX4C45D010 EX4C459827 4LBMDLI

### Luminous Intensity Polar Plot





TEST NUMBER: P858209

CATALOG NUMBER: LX4C45D010 EX4C459827 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°	532828
5°	550981
10°	556566
15°	501360
20°	416649
25°	326874
30°	239231
35°	123611
40°	58713
45°	20658
50°	4663
55°	3041
60°	2113
65°	1599
70°	1114
75°	759
80°	566
85°	0



TEST NUMBER: P858209

CATALOG NUMBER: LX4C45D010 EX4C459827 4LBMDLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.7	12.9
10°-20°	1085.7	32.9
20°-30°	1098.7	33.3
30°-40°	560.1	17.0
40°-50°	109.8	3.3
50°-60°	13.3	0.4
60°-70°	5.5	0.2
70°-80°	2.0	0.1
80°-90°	0.3	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°	2611.1	79.1
0°-40°	3171.2	96.0
0°-60°	3294.3	99.8
0°-90°	3302.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3302.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4337	
5°	4468	427
15°	3942	1086
25°	2411	1099
35°	824	560
45°	119	110
55°	14	13
65°	6	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P858209

CATALOG NUMBER: LX4C45D010 EX4C459827 4LBMDLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4337.1
2.5°	4377.2
5°	4467.8
7.5°	4519.7
10°	4461.5
12.5°	4265.5
15°	3941.9
17.5°	3560.0
20°	3186.9
22.5°	2800.3
25°	2411.4
27.5°	2024.1
30°	1686.4
32.5°	1270.6
35°	824.2
37.5°	551.9
40°	366.1
42.5°	229.9
45°	118.9
47.5°	42.5
50°	24.4
52.5°	18.1
55°	14.2
57.5°	11.1
60°	8.6
62.5°	7.0
65°	5.5
67.5°	3.9
70°	3.1
72.5°	2.3
75°	1.6
77.5°	1.6
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)