

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: P857242

Luminaire Tested: **LX4C20D010 EX4C209830 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857242  
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: LX4C20D010 EX4C209830 4LBMDLI  
Description:  
Light Source: -  
Ballast/Driver: -

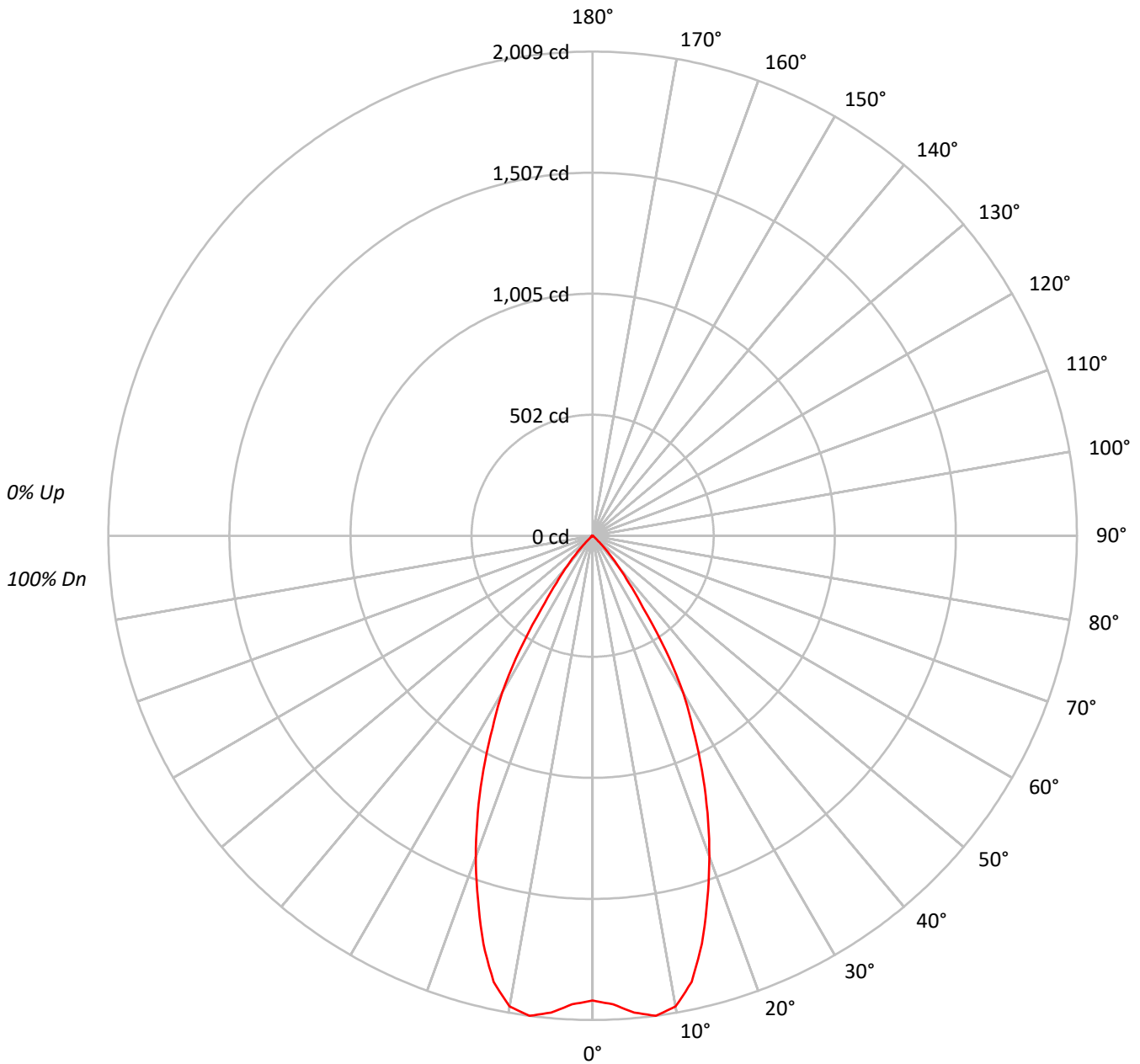
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1467.8 lumens  
Efficiency: N/A  
Efficacy: 67.3 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): 21.8  
Input Voltage (V):  
Input Current (Ain): 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: P857242

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBMDLI

### Luminous Intensity Polar Plot





TEST NUMBER: P857242

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBMDLI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	236849
5°	244907
10°	247389
15°	222858
20°	185203
25°	145300
30°	106337
35°	54951
40°	26093
45°	9191
50°	2083
55°	1349
60°	934
65°	698
70°	503
75°	332
80°	283
85°	0



TEST NUMBER: P857242

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBMDLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.7	12.9
10°-20°	482.6	32.9
20°-30°	488.4	33.3
30°-40°	249.0	17.0
40°-50°	48.8	3.3
50°-60°	5.9	0.4
60°-70°	2.4	0.2
70°-80°	0.9	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°	1160.7	79.1
0°-40°	1409.6	96.0
0°-60°	1464.3	99.8
0°-90°	1467.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1467.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1928	
5°	1986	190
15°	1752	483
25°	1072	488
35°	366	249
45°	53	49
55°	6	6
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P857242

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBMDLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1927.9
2.5°	1945.7
5°	1985.9
7.5°	2009.0
10°	1983.1
12.5°	1896.0
15°	1752.2
17.5°	1582.5
20°	1416.6
22.5°	1244.8
25°	1071.9
27.5°	899.7
30°	749.6
32.5°	564.8
35°	366.4
37.5°	245.3
40°	162.7
42.5°	102.2
45°	52.9
47.5°	18.9
50°	10.9
52.5°	8.0
55°	6.3
57.5°	4.9
60°	3.8
62.5°	3.1
65°	2.4
67.5°	1.8
70°	1.4
72.5°	1.1
75°	0.7
77.5°	0.7
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)