

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: P857247

Luminaire Tested: **LX4C20D010 EX4C209830 4LBSH**

Issue Date: 2/14/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857247  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/14/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EX4C209830 4LBSH  
Description:  
Light Source: -  
Ballast/Driver: -

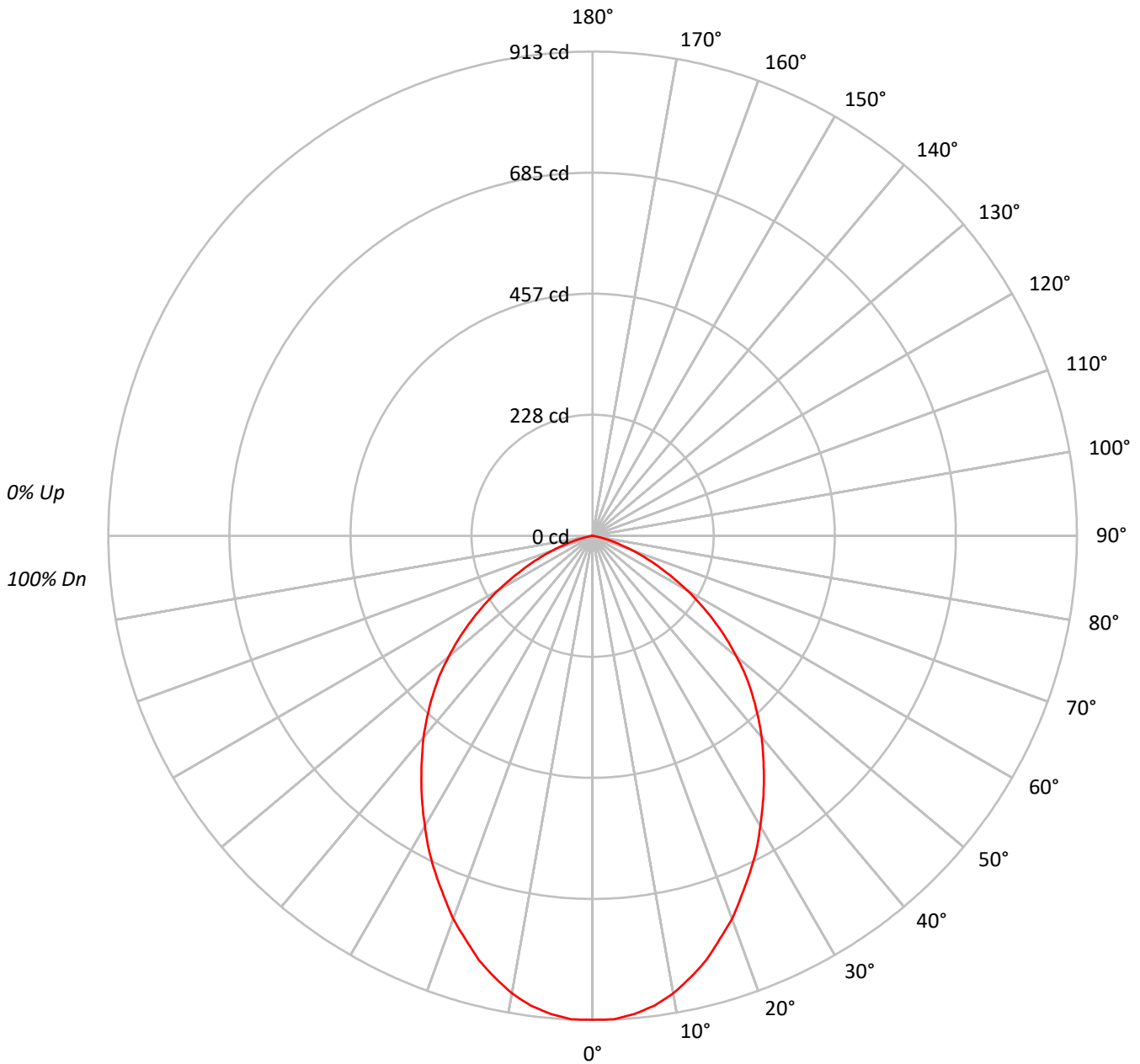
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1745.1 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.8  
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: P857247

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBSH

### Luminous Intensity Polar Plot





TEST NUMBER: P857247

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBSH

**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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

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

	0°
0°	112128
5°	111607
10°	109305
15°	105337
20°	100485
25°	95077
30°	89683
35°	84437
40°	79497
45°	74101
50°	67582
55°	59694
60°	50517
65°	39651
70°	28305
75°	15474
80°	2688
85°	0



TEST NUMBER: P857247

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBSH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.5	4.9
10°-20°	232.4	13.3
20°-30°	322.7	18.5
30°-40°	352.1	20.2
40°-50°	328.5	18.8
50°-60°	249.3	14.3
60°-70°	136.5	7.8
70°-80°	37.5	2.2
80°-90°	0.5	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°	640.6	36.7
0°-40°	992.7	56.9
0°-60°	1570.5	90.0
0°-90°	1745.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1745.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	913	
5°	905	85
15°	828	232
25°	701	323
35°	563	352
45°	426	328
55°	279	249
65°	136	137
75°	33	38
85°	0	1
90°	0	



TEST NUMBER: P857247

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBSH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	912.7
2.5°	912.7
5°	905.0
7.5°	893.5
10°	876.2
12.5°	853.1
15°	828.2
17.5°	797.5
20°	768.6
22.5°	734.0
25°	701.4
27.5°	668.7
30°	632.2
32.5°	597.6
35°	563.0
37.5°	528.4
40°	495.7
42.5°	461.1
45°	426.5
47.5°	392.0
50°	353.6
52.5°	317.0
55°	278.7
57.5°	242.1
60°	205.6
62.5°	169.1
65°	136.4
67.5°	105.7
70°	78.8
72.5°	53.8
75°	32.6
77.5°	15.3
80°	3.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)