

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: P857238

Luminaire Tested: **LX4C20D010 EX4C209827 4LBWLI**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EX4C209827 4LBWLI  
Description:  
Light Source: -  
Ballast/Driver: -

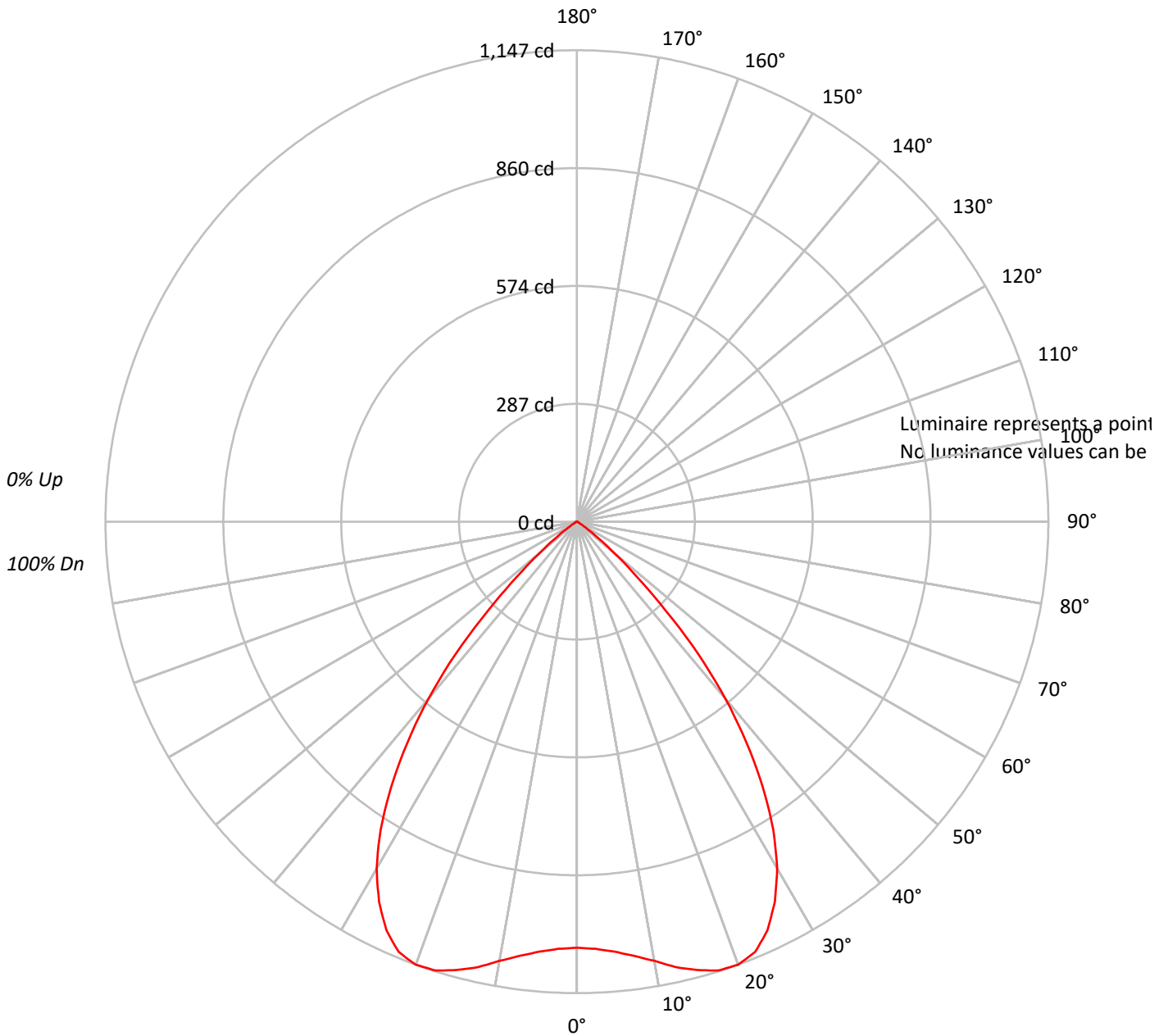
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1691.7 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18  
Luminous Opening: Point Source (0' x 0' x 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: P857238  
CATALOG NUMBER: LX4C20D010 EX4C209827 4LBWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P857238

CATALOG NUMBER: LX4C20D010 EX4C209827 4LBWLI

**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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77	77	77	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70	70	70	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64	64	64	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58	58	58	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54	54	54	54
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45	45	45	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42	42	42	42

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





TEST NUMBER: P857238

CATALOG NUMBER: LX4C20D010 EX4C209827 4LBWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.4	6.0
10°-20°	319.9	18.9
20°-30°	499.0	29.5
30°-40°	485.5	28.7
40°-50°	242.5	14.3
50°-60°	37.5	2.2
60°-70°	4.6	0.3
70°-80°	1.3	0.1
80°-90°	0.0	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°	920.2	54.4
0°-40°	1405.8	83.1
0°-60°	1685.8	99.7
0°-90°	1691.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1691.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1036	
5°	1050	101
15°	1130	320
25°	1097	499
35°	788	486
45°	304	242
55°	31	38
65°	4	5
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P857238

CATALOG NUMBER: LX4C20D010 EX4C209827 4LBWLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1036.5
2.5°	1040.3
5°	1050.0
7.5°	1065.5
10°	1085.0
12.5°	1110.0
15°	1129.5
17.5°	1145.0
20°	1147.0
22.5°	1133.3
25°	1096.6
27.5°	1042.3
30°	974.5
32.5°	889.3
35°	788.5
37.5°	678.1
40°	561.8
42.5°	437.8
45°	304.2
47.5°	195.6
50°	118.2
52.5°	63.9
55°	31.0
57.5°	13.6
60°	7.8
62.5°	5.8
65°	3.9
67.5°	3.9
70°	2.0
72.5°	2.0
75°	2.0
77.5°	0.0
80°	0.0
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)