

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: P856829

Luminaire Tested: **LX4C10D010 EX4C109830 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856829  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C10D010 EX4C109830 4LBSLI  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

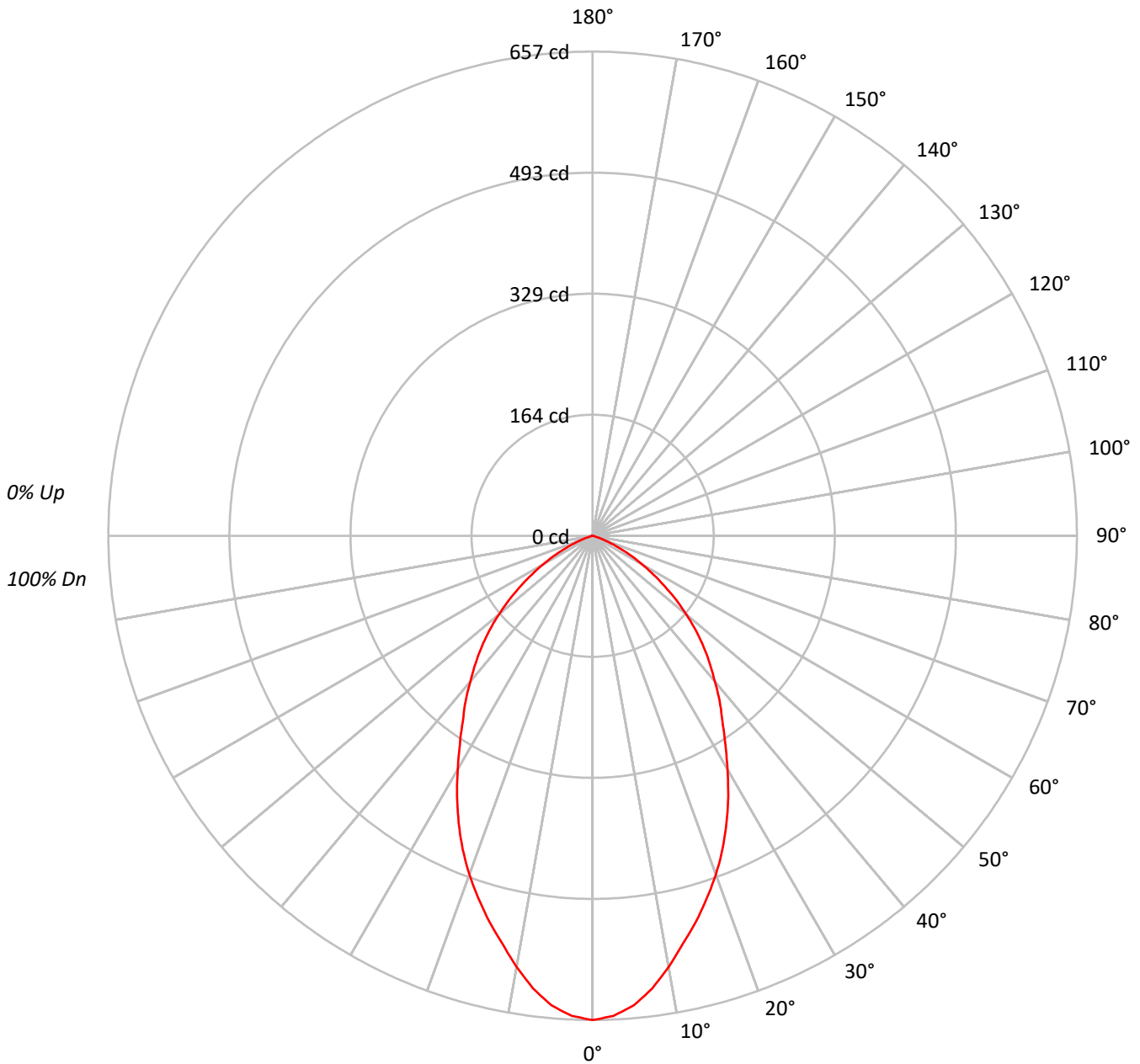
Lumens per Lamp: N/A  
Luminaire Lumens: 920.2 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
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

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### Luminous Intensity Polar Plot





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**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
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80			80
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71			71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57			57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51			51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36			36

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

	0°
0°	80727
5°	78902
10°	74088
15°	68936
20°	63931
25°	58275
30°	51878
35°	45998
40°	41328
45°	36989
50°	31727
55°	25531
60°	19018
65°	12122
70°	5855
75°	997
80°	707
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.6	6.5
10°-20°	152.0	16.5
20°-30°	196.9	21.4
30°-40°	192.9	21.0
40°-50°	163.5	17.8
50°-60°	107.2	11.7
60°-70°	43.1	4.7
70°-80°	4.9	0.5
80°-90°	0.1	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°	408.4	44.4
0°-40°	601.4	65.4
0°-60°	872.1	94.8
0°-90°	920.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	657	
5°	640	60
15°	542	152
25°	430	197
35°	307	193
45°	213	164
55°	119	107
65°	42	43
75°	2	5
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	657.1
2.5°	652.0
5°	639.8
7.5°	619.4
10°	593.9
12.5°	566.4
15°	542.0
17.5°	515.5
20°	489.0
22.5°	460.5
25°	429.9
27.5°	398.3
30°	365.7
32.5°	335.2
35°	306.7
37.5°	283.2
40°	257.7
42.5°	235.3
45°	212.9
47.5°	189.5
50°	166.0
52.5°	142.7
55°	119.2
57.5°	97.8
60°	77.4
62.5°	59.1
65°	41.7
67.5°	27.5
70°	16.3
72.5°	7.1
75°	2.1
77.5°	1.0
80°	1.0
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)