

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: P856816

Luminaire Tested: **LX4C10D010 EX4C109827 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856816  
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 EX4C109827 4LBSLI  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

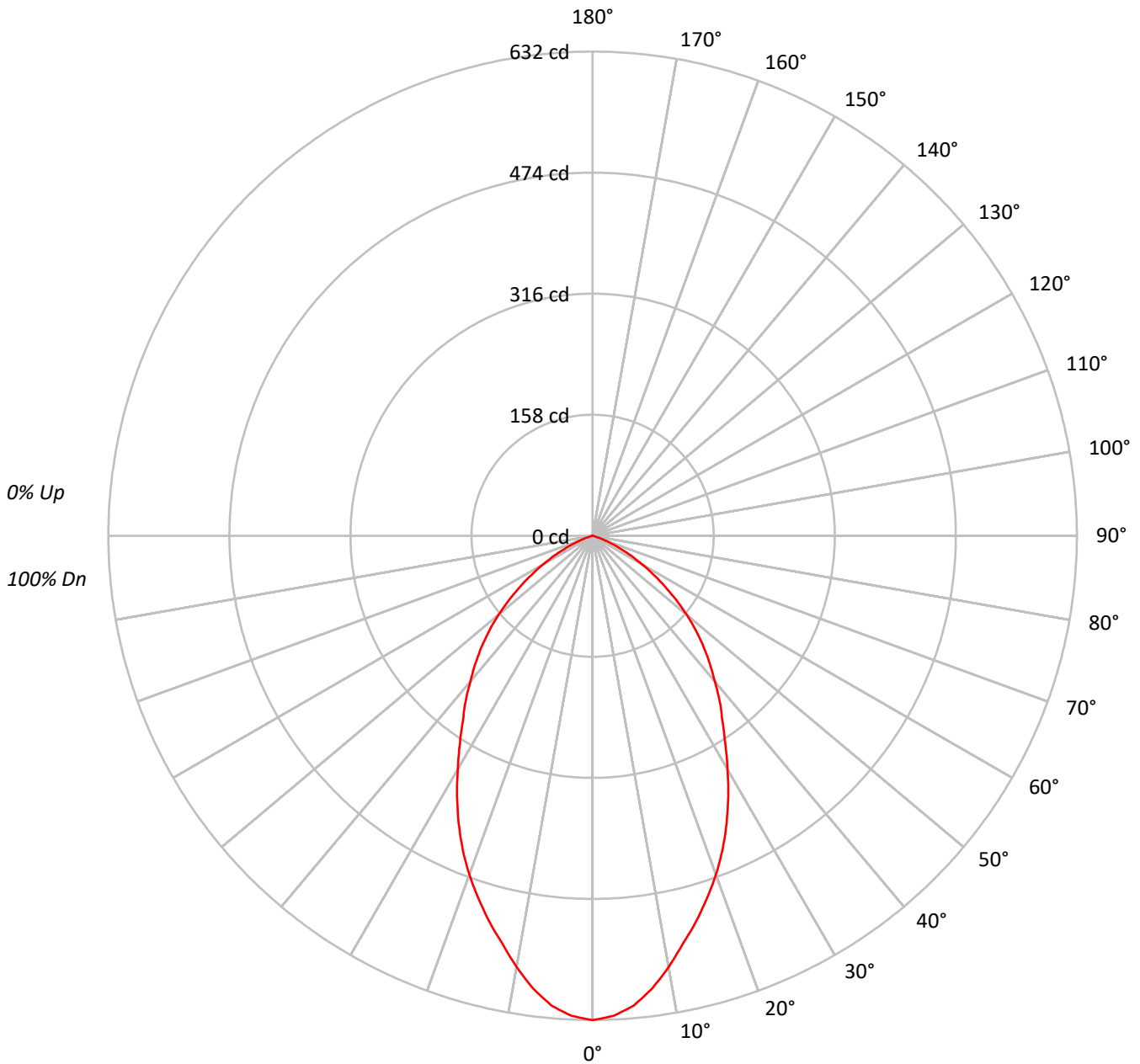
Lumens per Lamp: N/A  
Luminaire Lumens: 885.6 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P856816

CATALOG NUMBER: LX4C10D010 EX4C109827 4LBSLI

### Luminous Intensity Polar Plot





TEST NUMBER: P856816

CATALOG NUMBER: LX4C10D010 EX4C109827 4LBSLI

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

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

	0°
0°	77668
5°	75917
10°	71294
15°	66328
20°	61525
25°	56079
30°	49934
35°	44258
40°	39773
45°	35600
50°	30542
55°	24567
60°	18305
65°	11686
70°	5639
75°	949
80°	707
85°	0



TEST NUMBER: P856816

CATALOG NUMBER: LX4C10D010 EX4C109827 4LBSLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.3	6.5
10°-20°	146.2	16.5
20°-30°	189.5	21.4
30°-40°	185.7	21.0
40°-50°	157.4	17.8
50°-60°	103.1	11.6
60°-70°	41.5	4.7
70°-80°	4.8	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°	393.0	44.4
0°-40°	578.7	65.3
0°-60°	839.2	94.8
0°-90°	885.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	885.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	632	
5°	616	57
15°	522	146
25°	414	189
35°	295	186
45°	205	157
55°	115	103
65°	40	41
75°	2	5
85°	0	0
90°	0	



TEST NUMBER: P856816

CATALOG NUMBER: LX4C10D010 EX4C109827 4LBSLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	632.2
2.5°	627.3
5°	615.6
7.5°	596.0
10°	571.5
12.5°	545.0
15°	521.5
17.5°	496.0
20°	470.6
22.5°	443.1
25°	413.7
27.5°	383.3
30°	352.0
32.5°	322.5
35°	295.1
37.5°	272.5
40°	248.0
42.5°	226.4
45°	204.9
47.5°	182.4
50°	159.8
52.5°	137.2
55°	114.7
57.5°	94.1
60°	74.5
62.5°	56.9
65°	40.2
67.5°	26.5
70°	15.7
72.5°	6.9
75°	2.0
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)