

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: P856707

Luminaire Tested: **LX4C10D010 EX4C109027 4LBWLI**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856707  
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: LX4C10D010 EX4C109027 4LBWLI  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver:

**Summary**

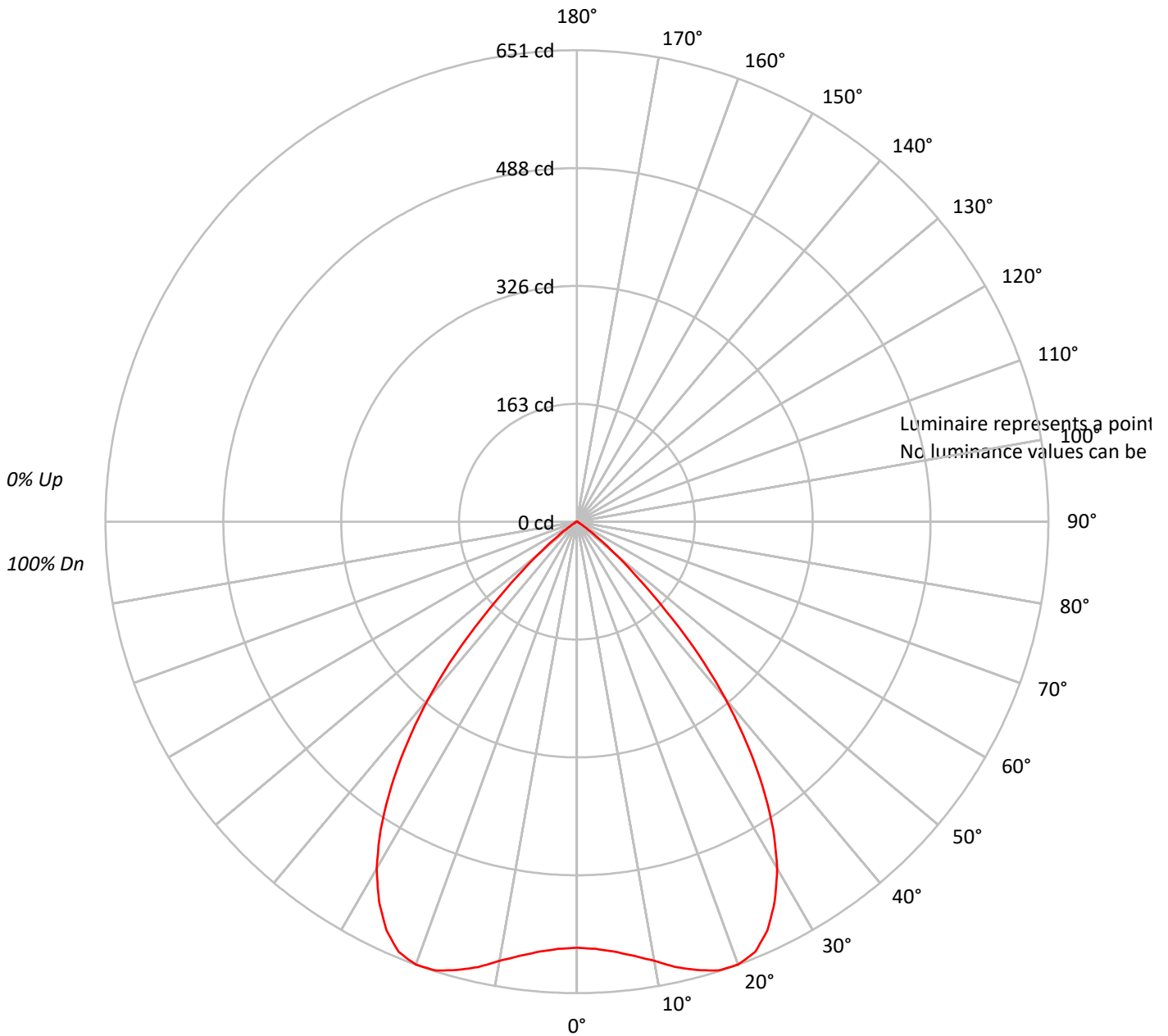
Lumens per Lamp: N/A  
Luminaire Lumens: 960.0 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

Input Watts (W): 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: P856707

CATALOG NUMBER: LX4C10D010 EX4C109027 4LBWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P856707

CATALOG NUMBER: LX4C10D010 EX4C109027 4LBWLI

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

RF	20									20									20									20									
RC	80									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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92																
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84																
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77			77																
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70			70																
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64			64																
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58			58																
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54																
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49			49																
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45			45																
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42			42																

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





TEST NUMBER: P856707

CATALOG NUMBER: LX4C10D010 EX4C109027 4LBWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	6.0
10°-20°	181.5	18.9
20°-30°	283.2	29.5
30°-40°	275.5	28.7
40°-50°	137.6	14.3
50°-60°	21.3	2.2
60°-70°	2.6	0.3
70°-80°	0.7	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°	522.2	54.4
0°-40°	797.8	83.1
0°-60°	956.7	99.7
0°-90°	960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	588	
5°	596	58
15°	641	182
25°	622	283
35°	448	276
45°	173	138
55°	18	21
65°	2	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P856707

CATALOG NUMBER: LX4C10D010 EX4C109027 4LBWLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	588.2
2.5°	590.4
5°	595.9
7.5°	604.7
10°	615.7
12.5°	630.0
15°	641.0
17.5°	649.8
20°	650.9
22.5°	643.2
25°	622.3
27.5°	591.5
30°	553.0
32.5°	504.7
35°	447.5
37.5°	384.8
40°	318.8
42.5°	248.5
45°	172.6
47.5°	111.0
50°	67.0
52.5°	36.3
55°	17.6
57.5°	7.7
60°	4.4
62.5°	3.3
65°	2.2
67.5°	2.2
70°	1.1
72.5°	1.1
75°	1.1
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)