

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: P856803

Luminaire Tested: **LX4C10D010 EX4C109727 4LBWH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P856803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C10D010 EX4C109727 4LBWH  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS  
AND 4LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

**Summary**

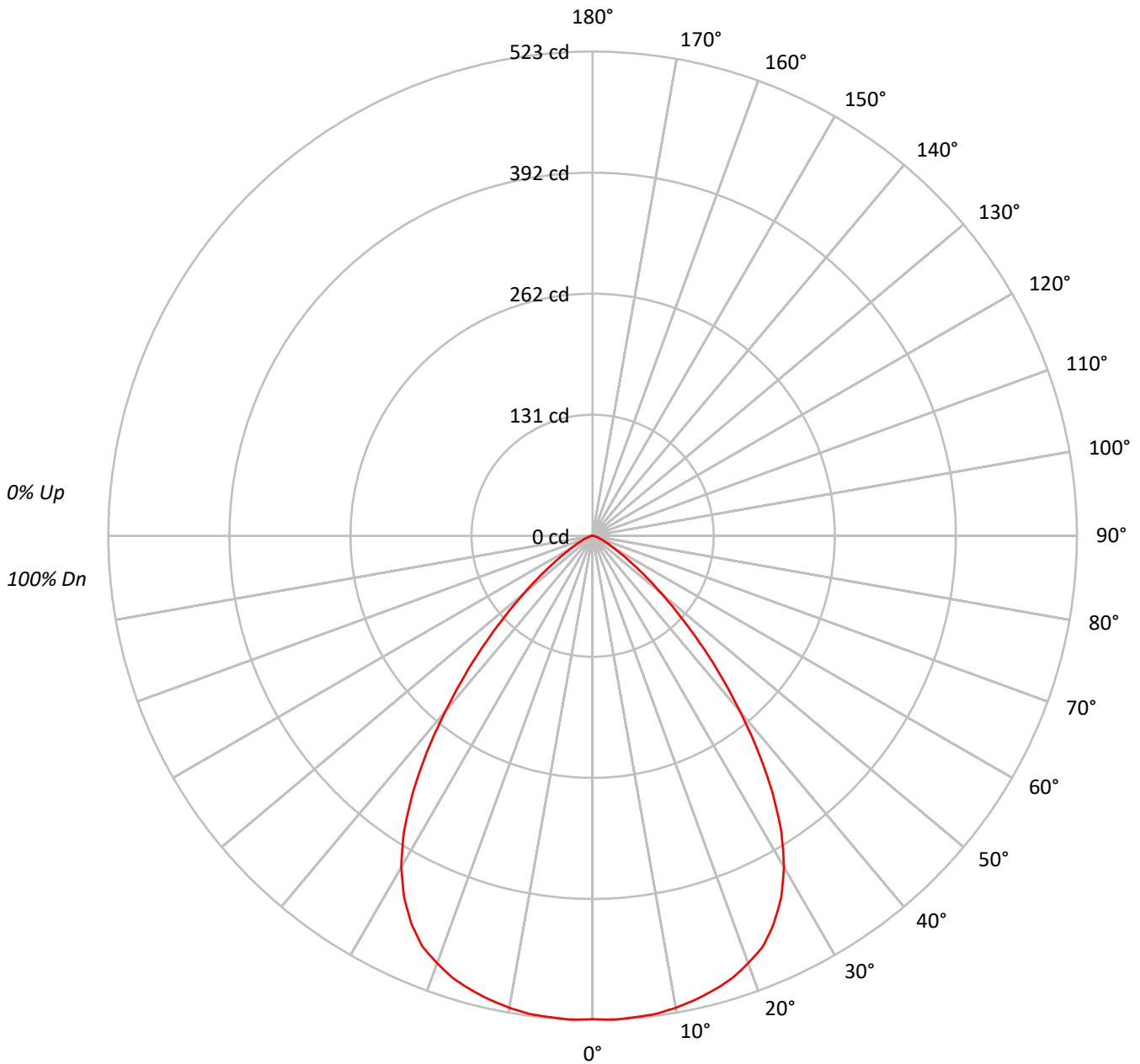
Lumens per Lamp: N/A  
Luminaire Lumens: 810.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

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

	0°
0°	64142
5°	64387
10°	64582
15°	64586
20°	64232
25°	62721
30°	58630
35°	50767
40°	39660
45°	28459
50°	18482
55°	11074
60°	6487
65°	4157
70°	2766
75°	2089
80°	1556
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.7	6.1
10°-20°	143.3	17.7
20°-30°	211.4	26.1
30°-40°	208.6	25.8
40°-50°	127.7	15.8
50°-60°	49.0	6.0
60°-70°	15.3	1.9
70°-80°	4.5	0.6
80°-90°	0.6	0.1
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°	404.4	49.9
0°-40°	613.0	75.7
0°-60°	789.6	97.5
0°-90°	810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	810.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	522	
5°	522	50
15°	508	143
25°	463	211
35°	338	209
45°	164	128
55°	52	49
65°	14	15
75°	4	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	522.1
2.5°	523.2
5°	522.1
7.5°	521.0
10°	517.7
12.5°	513.3
15°	507.8
17.5°	501.2
20°	491.3
22.5°	480.3
25°	462.7
27.5°	440.7
30°	413.3
32.5°	379.2
35°	338.5
37.5°	293.5
40°	247.3
42.5°	204.4
45°	163.8
47.5°	127.5
50°	96.7
52.5°	71.5
55°	51.7
57.5°	36.3
60°	26.4
62.5°	19.8
65°	14.3
67.5°	11.0
70°	7.7
72.5°	5.5
75°	4.4
77.5°	2.2
80°	2.2
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)