

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: P856878

Luminaire Tested: **LX4C10D010 EX4C109030 4LBNH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C10D010 EX4C109030 4LBNH  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBN TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver:

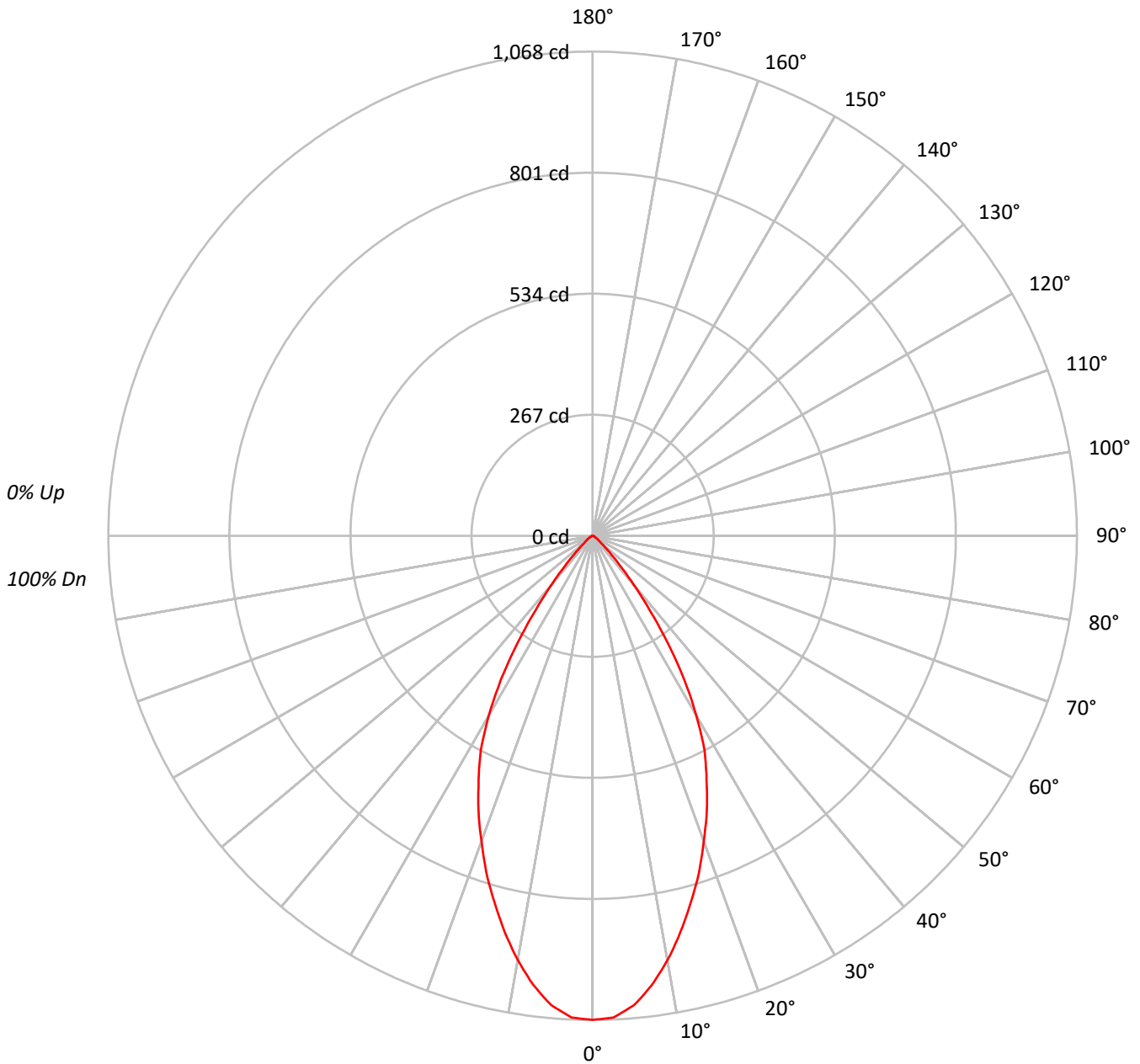
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 850.5 lumens  
Efficiency: N/A  
Efficacy: 50.0 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 17  
Input Voltage (V):  
Input Current (Ain): 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			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

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

	0°
0°	131195
5°	128256
10°	118599
15°	106418
20°	93687
25°	80614
30°	64915
35°	43223
40°	22468
45°	10181
50°	4415
55°	2956
60°	1892
65°	1337
70°	1114
75°	712
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.3	11.3
10°-20°	233.7	27.5
20°-30°	271.3	31.9
30°-40°	179.7	21.1
40°-50°	50.4	5.9
50°-60°	12.6	1.5
60°-70°	4.8	0.6
70°-80°	1.6	0.2
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°	601.4	70.7
0°-40°	781.1	91.8
0°-60°	844.1	99.3
0°-90°	850.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	850.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1068	
5°	1040	96
15°	837	234
25°	595	271
35°	288	180
45°	59	50
55°	14	13
65°	5	5
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1067.9
2.5°	1063.3
5°	1040.0
7.5°	999.9
10°	950.7
12.5°	895.2
15°	836.7
17.5°	779.6
20°	716.6
22.5°	658.0
25°	594.7
27.5°	534.7
30°	457.6
32.5°	376.0
35°	288.2
37.5°	206.6
40°	140.1
42.5°	90.9
45°	58.6
47.5°	35.5
50°	23.1
52.5°	16.9
55°	13.8
57.5°	10.8
60°	7.7
62.5°	6.2
65°	4.6
67.5°	3.1
70°	3.1
72.5°	1.5
75°	1.5
77.5°	1.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)