

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: P839376

Luminaire Tested: **LD4C70D010 EU4709030 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839376  
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: LD4C70D010 EU4709030 4LBSLI  
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

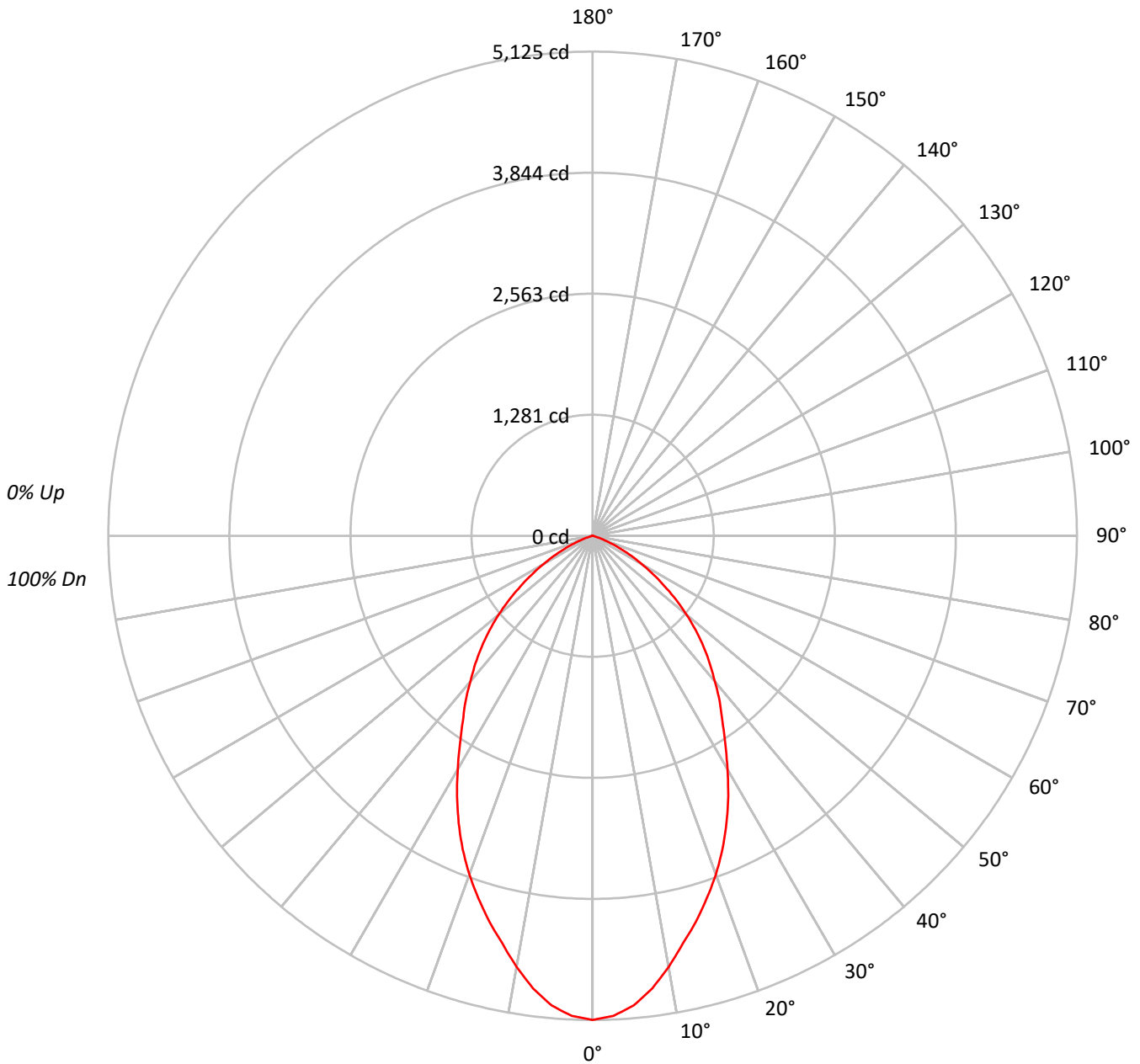
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7178.0 lumens  
Efficiency: N/A  
Efficacy: 92.0 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): 78  
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									
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																			
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°	629661
5°	615405
10°	577911
15°	537671
20°	498661
25°	454566
30°	404695
35°	358714
40°	322399
45°	288549
50°	247546
55°	199131
60°	148382
65°	94738
70°	45654
75°	7595
80°	5589
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	464.7	6.5
10°-20°	1185.3	16.5
20°-30°	1535.9	21.4
30°-40°	1504.9	21.0
40°-50°	1275.5	17.8
50°-60°	836.2	11.6
60°-70°	336.1	4.7
70°-80°	38.4	0.5
80°-90°	1.1	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°	3185.9	44.4
0°-40°	4690.7	65.3
0°-60°	6802.4	94.8
0°-90°	7178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7178.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5125	
5°	4990	465
15°	4227	1185
25°	3353	1536
35°	2392	1505
45°	1661	1276
55°	930	836
65°	326	336
75°	16	38
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5125.3
2.5°	5085.5
5°	4990.2
7.5°	4831.2
10°	4632.6
12.5°	4418.1
15°	4227.4
17.5°	4020.9
20°	3814.2
22.5°	3591.8
25°	3353.4
27.5°	3106.9
30°	2852.8
32.5°	2614.4
35°	2391.8
37.5°	2209.1
40°	2010.3
42.5°	1835.6
45°	1660.8
47.5°	1478.0
50°	1295.2
52.5°	1112.5
55°	929.7
57.5°	762.8
60°	603.9
62.5°	460.8
65°	325.9
67.5°	214.5
70°	127.1
72.5°	55.6
75°	16.0
77.5°	7.9
80°	7.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)