

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: P839400

Luminaire Tested: **LD4C75D010 EU4759050 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

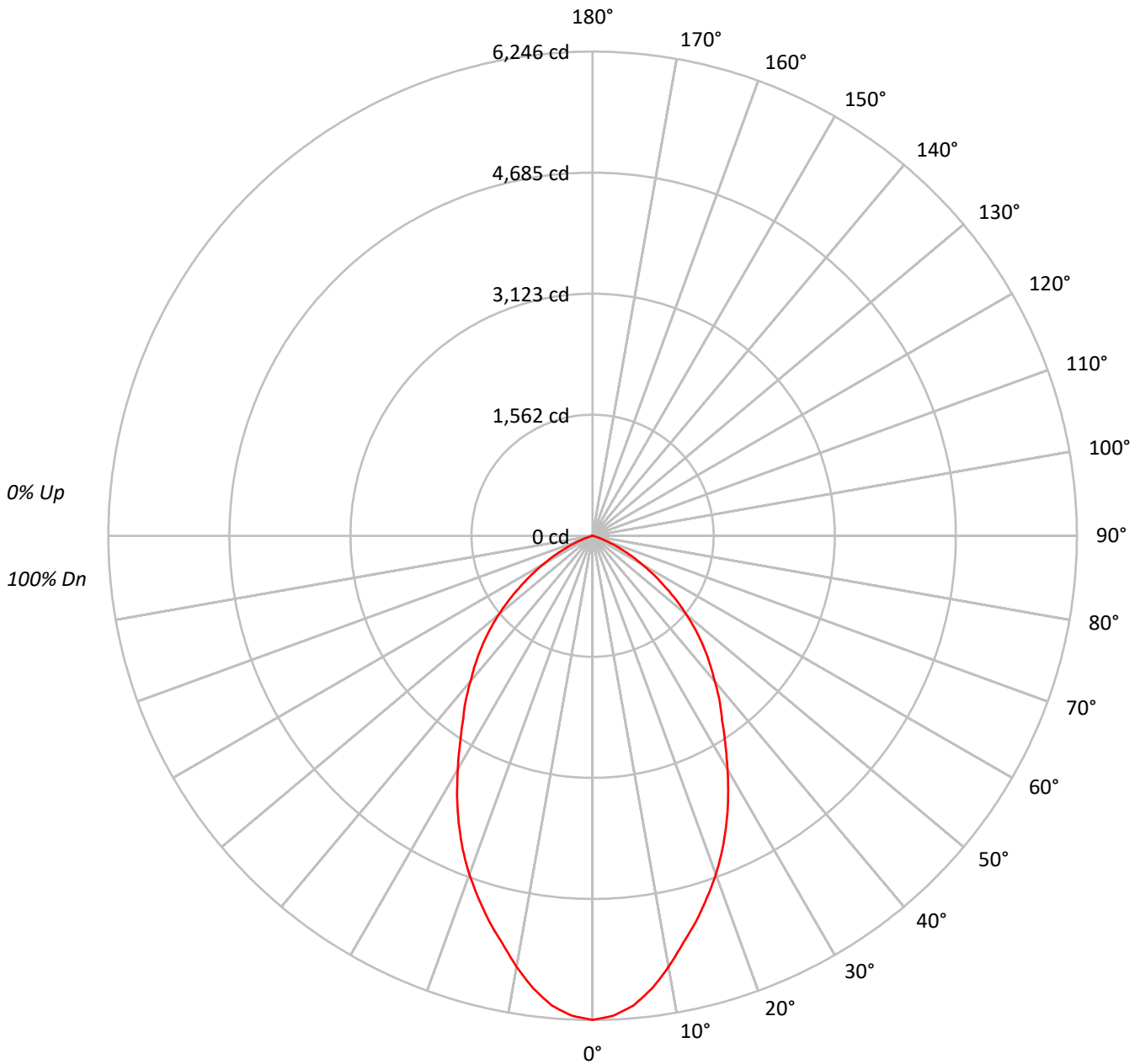
Test Method: LM-79-08  
Report Number: P839400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C75D010 EU4759050 4LBSLI  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8747.0 lumens  
Efficiency: N/A  
Efficacy: 107.3 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): 81.5  
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°	767306
5°	749926
10°	704231
15°	655193
20°	607657
25°	553927
30°	493144
35°	437121
40°	392884
45°	351635
50°	301654
55°	242654
60°	180791
65°	115435
70°	55640
75°	9209
80°	6792
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	566.3	6.5
10°-20°	1444.3	16.5
20°-30°	1871.6	21.4
30°-40°	1833.8	21.0
40°-50°	1554.4	17.8
50°-60°	1018.9	11.6
60°-70°	409.6	4.7
70°-80°	46.8	0.5
80°-90°	1.3	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°	3882.2	44.4
0°-40°	5716.0	65.3
0°-60°	8289.3	94.8
0°-90°	8747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8747.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6246	
5°	6081	566
15°	5151	1444
25°	4086	1872
35°	2915	1834
45°	2024	1554
55°	1133	1019
65°	397	410
75°	19	47
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6245.7
2.5°	6197.2
5°	6081.0
7.5°	5887.2
10°	5645.2
12.5°	5383.8
15°	5151.4
17.5°	4899.8
20°	4647.9
22.5°	4376.9
25°	4086.4
27.5°	3786.1
30°	3476.3
32.5°	3185.8
35°	2914.6
37.5°	2692.0
40°	2449.8
42.5°	2236.8
45°	2023.9
47.5°	1801.1
50°	1578.3
52.5°	1355.7
55°	1132.9
57.5°	929.6
60°	735.8
62.5°	561.6
65°	397.1
67.5°	261.4
70°	154.9
72.5°	67.7
75°	19.4
77.5°	9.6
80°	9.6
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)