

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: P839316

Luminaire Tested: **LD4C50D010 EU4509030 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

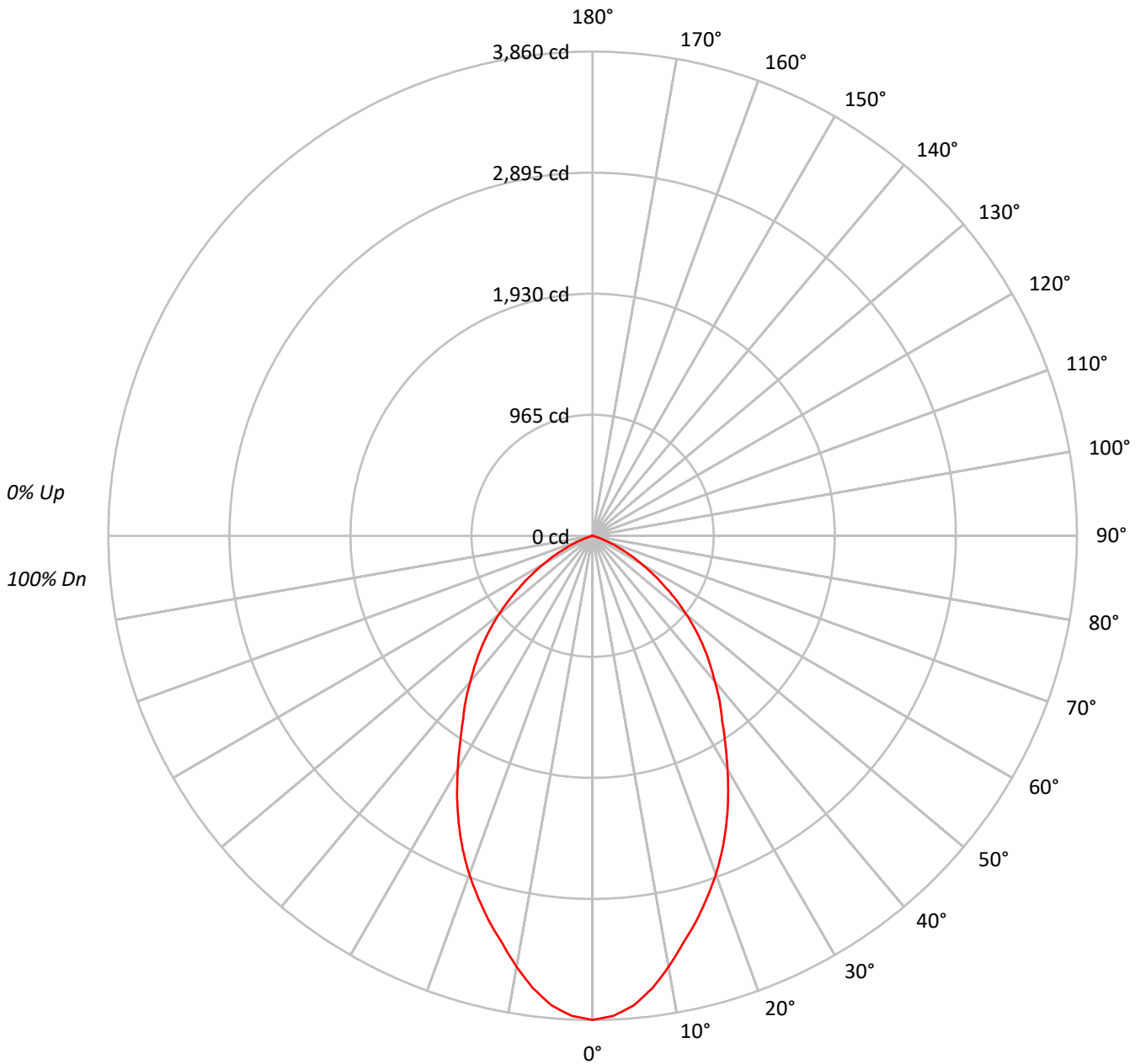
Test Method: LM-79-08  
Report Number: P839316  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C50D010 EU4509030 4LBSLI  
Description: 4 INCH 5000 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: 5405.9 lumens  
Efficiency: N/A  
Efficacy: 92.6 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): 58.4  
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			
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°	474227
5°	463484
10°	435248
15°	404939
20°	375558
25°	342341
30°	304784
35°	270152
40°	242822
45°	217315
50°	186424
55°	149975
60°	111748
65°	71337
70°	34375
75°	5696
80°	4174
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.0	6.5
10°-20°	892.7	16.5
20°-30°	1156.7	21.4
30°-40°	1133.4	21.0
40°-50°	960.6	17.8
50°-60°	629.7	11.6
60°-70°	253.1	4.7
70°-80°	28.9	0.5
80°-90°	0.8	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°	2399.4	44.4
0°-40°	3532.7	65.3
0°-60°	5123.1	94.8
0°-90°	5405.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5405.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3860	
5°	3758	350
15°	3184	893
25°	2526	1157
35°	1801	1133
45°	1251	961
55°	700	630
65°	245	253
75°	12	29
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3860.1
2.5°	3830.1
5°	3758.3
7.5°	3638.5
10°	3489.0
12.5°	3327.4
15°	3183.8
17.5°	3028.3
20°	2872.6
22.5°	2705.1
25°	2525.5
27.5°	2339.9
30°	2148.5
32.5°	1969.0
35°	1801.3
37.5°	1663.8
40°	1514.1
42.5°	1382.4
45°	1250.8
47.5°	1113.1
50°	975.4
52.5°	837.9
55°	700.2
57.5°	574.5
60°	454.8
62.5°	347.1
65°	245.4
67.5°	161.6
70°	95.7
72.5°	41.8
75°	12.0
77.5°	5.9
80°	5.9
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)