

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: P839325

Luminaire Tested: **LD4C50D010 EU4509050 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839325  
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 EU4509050 4LBSLI  
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

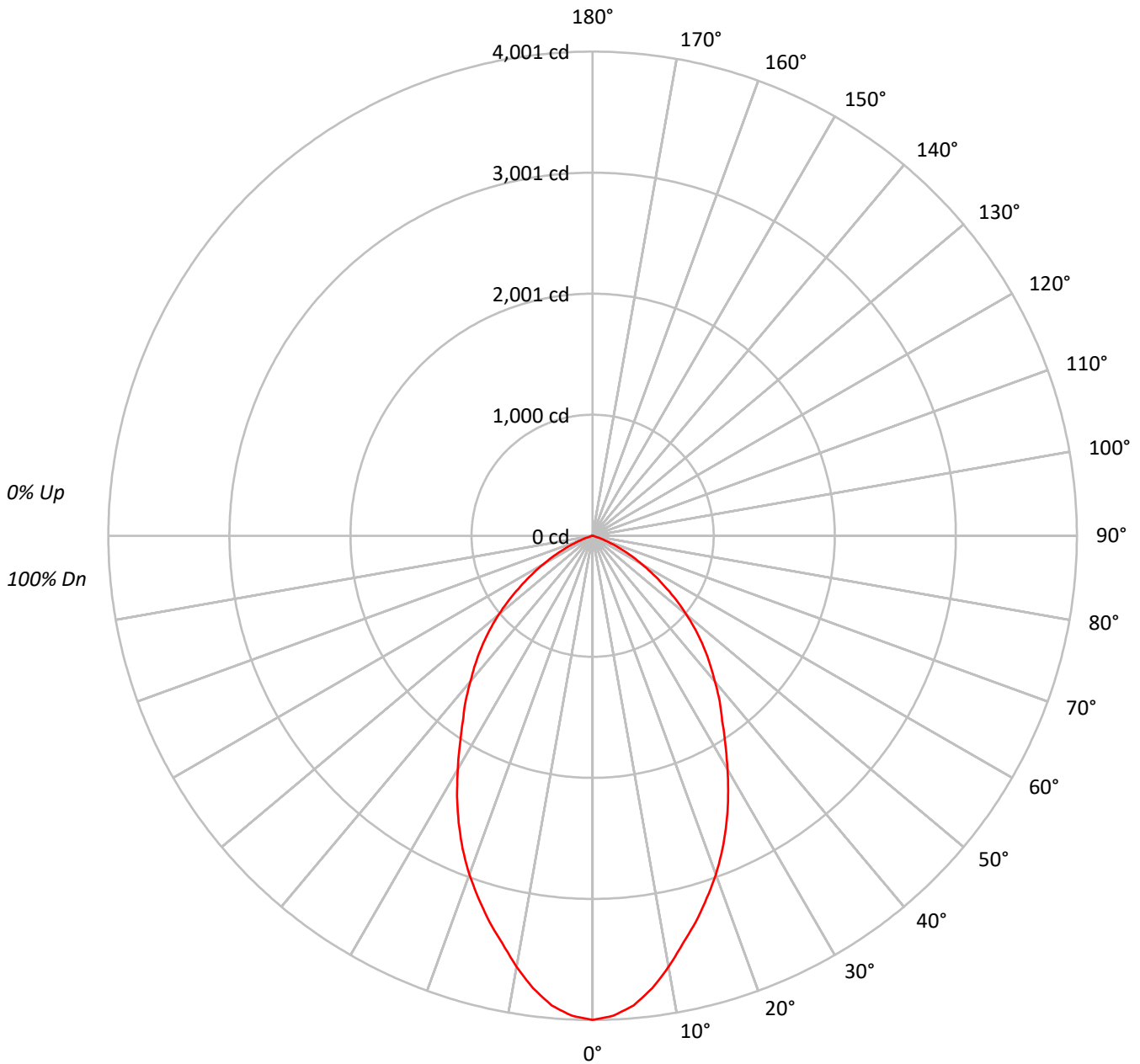
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5603.1 lumens  
Efficiency: N/A  
Efficacy: 95.9 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	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°	491500
5°	480367
10°	451104
15°	419693
20°	389246
25°	354826
30°	315892
35°	280006
40°	251659
45°	225238
50°	193228
55°	155437
60°	115826
65°	73953
70°	35633
75°	5933
80°	4386
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	362.8	6.5
10°-20°	925.2	16.5
20°-30°	1198.9	21.4
30°-40°	1174.7	21.0
40°-50°	995.7	17.8
50°-60°	652.7	11.6
60°-70°	262.4	4.7
70°-80°	30.0	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°	2486.8	44.4
0°-40°	3661.5	65.3
0°-60°	5309.8	94.8
0°-90°	5603.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5603.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4001	
5°	3895	363
15°	3300	925
25°	2618	1199
35°	1867	1175
45°	1296	996
55°	726	653
65°	254	262
75°	12	30
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4000.7
2.5°	3969.7
5°	3895.2
7.5°	3771.1
10°	3616.1
12.5°	3448.6
15°	3299.8
17.5°	3138.6
20°	2977.3
22.5°	2803.7
25°	2617.6
27.5°	2425.2
30°	2226.8
32.5°	2040.7
35°	1867.0
37.5°	1724.4
40°	1569.2
42.5°	1432.8
45°	1296.4
47.5°	1153.7
50°	1011.0
52.5°	868.4
55°	725.7
57.5°	595.5
60°	471.4
62.5°	359.7
65°	254.4
67.5°	167.5
70°	99.2
72.5°	43.4
75°	12.5
77.5°	6.2
80°	6.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)