

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: P839328

Luminaire Tested: **LD4C55D010 EU4559027 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839328  
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: LD4C55D010 EU4559027 4LBSLI  
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

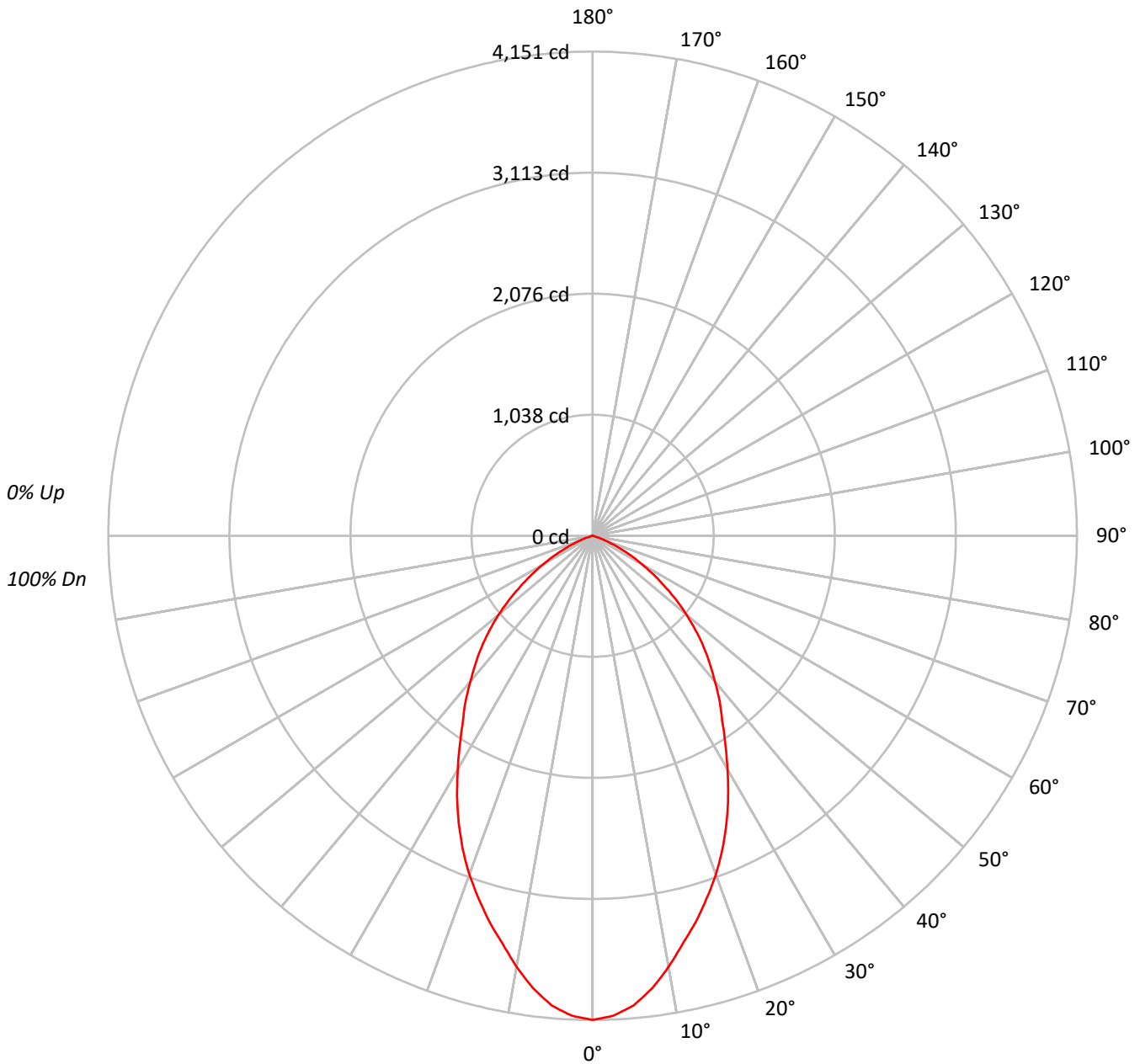
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5813.0 lumens  
Efficiency: N/A  
Efficacy: 91.0 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): 63.9  
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°	509928
5°	498372
10°	468020
15°	435426
20°	403836
25°	368123
30°	327737
35°	290489
40°	261089
45°	233682
50°	200472
55°	161263
60°	120151
65°	76715
70°	36962
75°	6123
80°	4528
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.4	6.5
10°-20°	959.9	16.5
20°-30°	1243.8	21.4
30°-40°	1218.7	21.0
40°-50°	1033.0	17.8
50°-60°	677.2	11.6
60°-70°	272.2	4.7
70°-80°	31.1	0.5
80°-90°	0.9	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°	2580.0	44.4
0°-40°	3798.7	65.3
0°-60°	5508.8	94.8
0°-90°	5813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5813.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4151	
5°	4041	376
15°	3424	960
25°	2716	1244
35°	1937	1219
45°	1345	1033
55°	753	677
65°	264	272
75°	13	31
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4150.7
2.5°	4118.5
5°	4041.2
7.5°	3912.5
10°	3751.7
12.5°	3577.9
15°	3423.5
17.5°	3256.2
20°	3088.9
22.5°	2908.7
25°	2715.7
27.5°	2516.1
30°	2310.3
32.5°	2117.2
35°	1936.9
37.5°	1789.0
40°	1628.0
42.5°	1486.5
45°	1345.0
47.5°	1196.9
50°	1048.9
52.5°	901.0
55°	752.9
57.5°	617.8
60°	489.0
62.5°	373.2
65°	263.9
67.5°	173.7
70°	102.9
72.5°	45.0
75°	12.9
77.5°	6.4
80°	6.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)