

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: P839409

Luminaire Tested: **LD4C80D010 EU4809035 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839409  
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: LD4C80D010 EU4809035 4LBSLI  
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

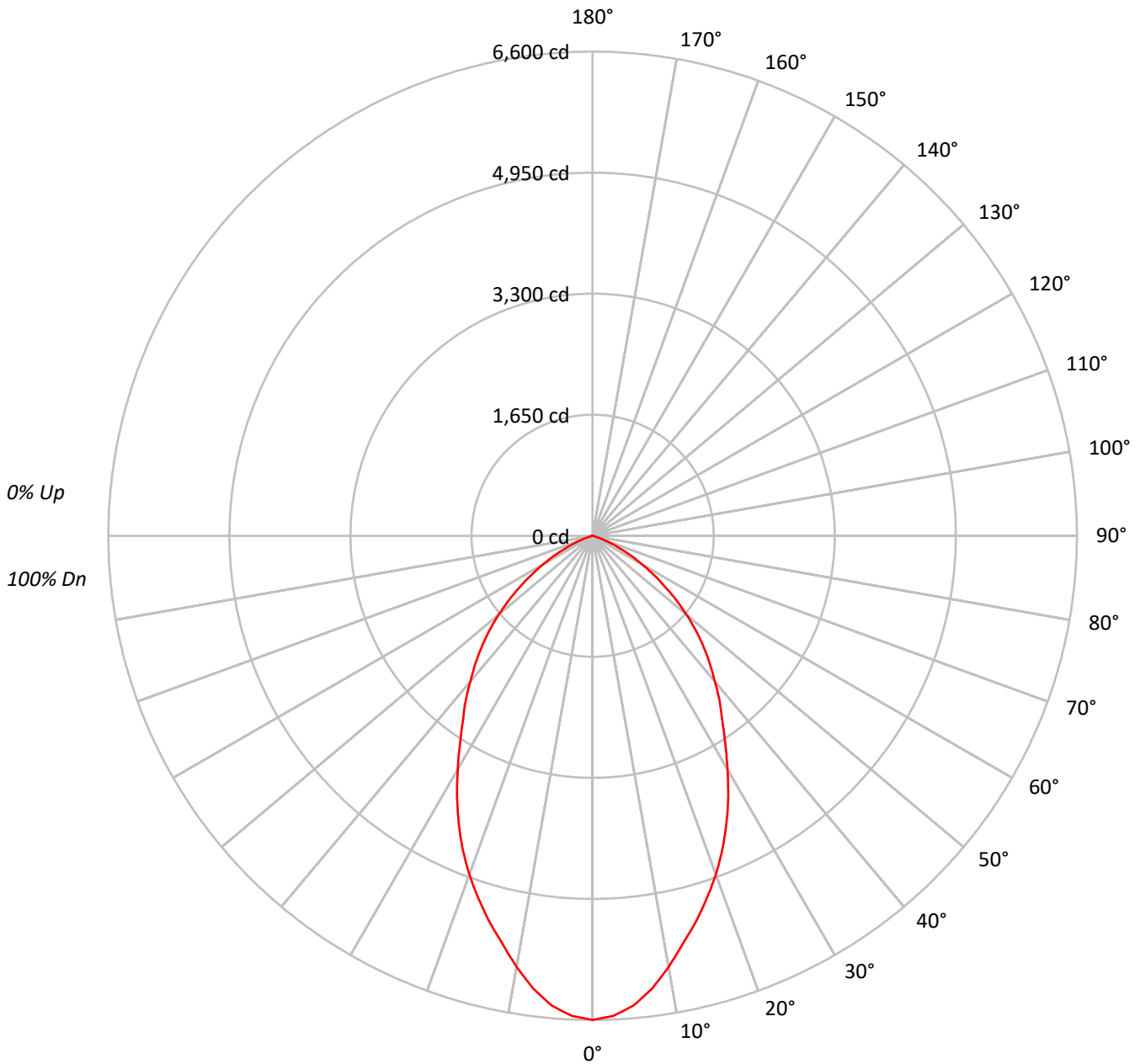
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9244.1 lumens  
Efficiency: N/A  
Efficacy: 103.3 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): 89.5  
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°	810894
5°	792534
10°	744251
15°	692420
20°	642185
25°	585403
30°	521176
35°	461957
40°	415208
45°	371615
50°	318798
55°	256448
60°	191086
65°	121976
70°	58801
75°	9731
80°	7216
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	598.5	6.5
10°-20°	1526.4	16.5
20°-30°	1977.9	21.4
30°-40°	1938.0	21.0
40°-50°	1642.7	17.8
50°-60°	1076.9	11.6
60°-70°	432.8	4.7
70°-80°	49.5	0.5
80°-90°	1.4	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°	4102.8	44.4
0°-40°	6040.9	65.3
0°-60°	8760.4	94.8
0°-90°	9244.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9244.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6600	
5°	6426	599
15°	5444	1526
25°	4319	1978
35°	3080	1938
45°	2139	1643
55°	1197	1077
65°	420	433
75°	20	49
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6600.5
2.5°	6549.3
5°	6426.5
7.5°	6221.7
10°	5966.0
12.5°	5689.7
15°	5444.1
17.5°	5178.2
20°	4912.0
22.5°	4625.6
25°	4318.6
27.5°	4001.2
30°	3673.9
32.5°	3366.9
35°	3080.2
37.5°	2845.0
40°	2589.0
42.5°	2363.9
45°	2138.9
47.5°	1903.4
50°	1668.0
52.5°	1432.8
55°	1197.3
57.5°	982.4
60°	777.7
62.5°	593.5
65°	419.6
67.5°	276.3
70°	163.7
72.5°	71.6
75°	20.5
77.5°	10.2
80°	10.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)