

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: P839187

Luminaire Tested: **LD4C100D010 EU41009040 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839187
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: LD4C100D010 EU41009040 4LBSLI
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

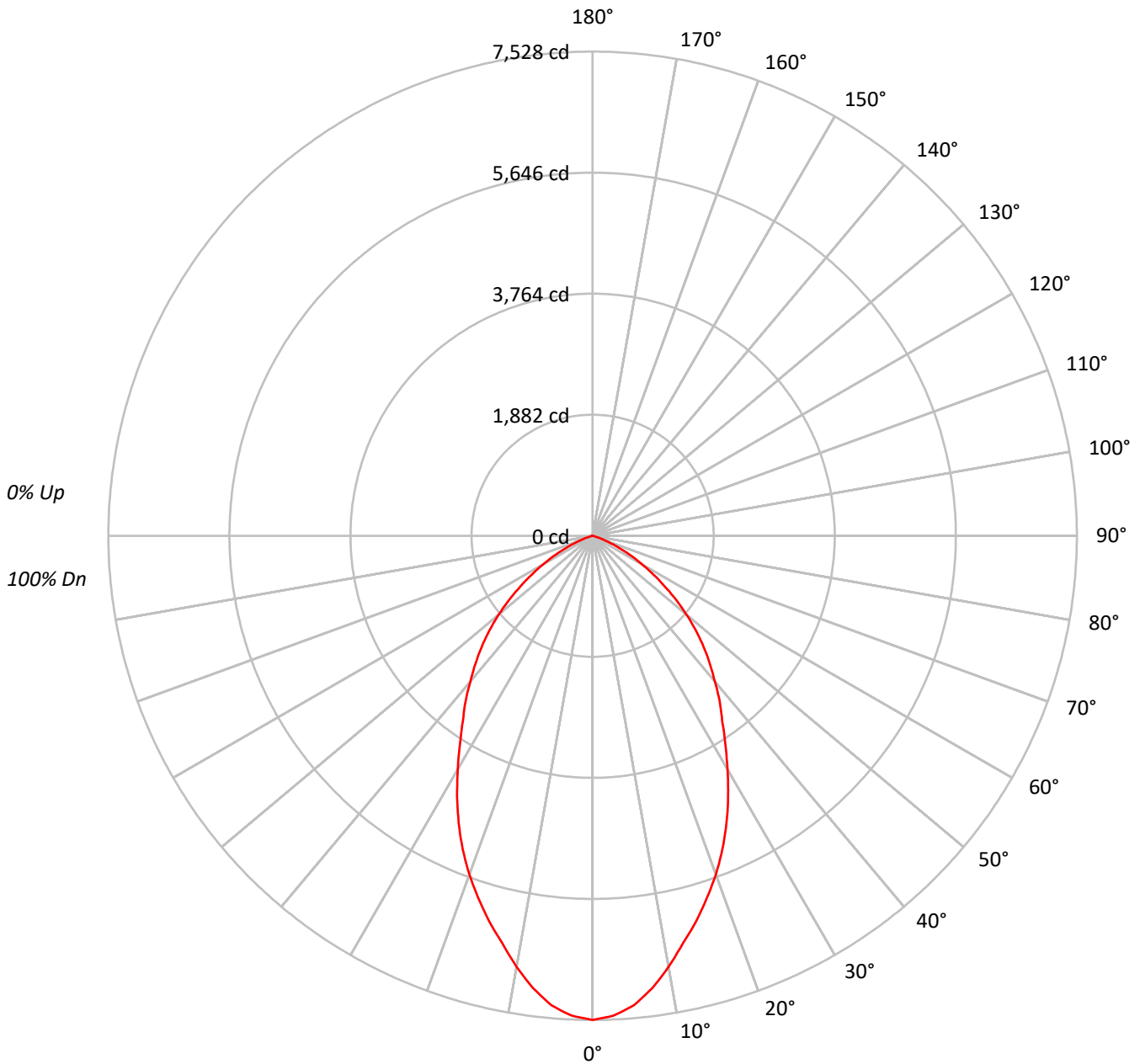
Lumens per Lamp: N/A
Luminaire Lumens: 10543.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
Input Voltage (V):
Input Current (A_{in}): 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

TEST NUMBER: P839187

CATALOG NUMBER: LD4C100D010 EU41009040 4LBSLI

Luminous Intensity Polar Plot





TEST NUMBER: P839187

CATALOG NUMBER: LD4C100D010 EU41009040 4LBSLI

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°	924853
5°	903906
10°	848827
15°	789719
20°	732433
25°	667657
30°	594403
35°	526867
40°	473552
45°	423824
50°	363598
55°	292496
60°	217917
65°	139127
70°	67063
75°	11107
80°	8207
85°	0



TEST NUMBER: P839187

CATALOG NUMBER: LD4C100D010 EU41009040 4LBSLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.6	6.5
10°-20°	1740.9	16.5
20°-30°	2255.9	21.4
30°-40°	2210.3	21.0
40°-50°	1873.5	17.8
50°-60°	1228.2	11.6
60°-70°	493.7	4.7
70°-80°	56.4	0.5
80°-90°	1.6	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°	4679.3	44.4
0°-40°	6889.7	65.3
0°-60°	9991.4	94.8
0°-90°	10543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7528	
5°	7330	683
15°	6209	1741
25°	4925	2256
35°	3513	2210
45°	2439	1874
55°	1366	1228
65°	479	494
75°	23	56
85°	0	2
90°	0	



TEST NUMBER: P839187

CATALOG NUMBER: LD4C100D010 EU41009040 4LBSLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	7528.1
2.5°	7469.6
5°	7329.6
7.5°	7096.0
10°	6804.3
12.5°	6489.2
15°	6209.1
17.5°	5905.8
20°	5602.3
22.5°	5275.6
25°	4925.4
27.5°	4563.4
30°	4190.1
32.5°	3840.0
35°	3513.0
37.5°	3244.7
40°	2952.8
42.5°	2696.1
45°	2439.4
47.5°	2170.9
50°	1902.4
52.5°	1634.1
55°	1365.6
57.5°	1120.5
60°	886.9
62.5°	676.9
65°	478.6
67.5°	315.1
70°	186.7
72.5°	81.6
75°	23.4
77.5°	11.6
80°	11.6
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)