

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: P839323

Luminaire Tested: **LD4C50D010 EU4509050 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C50D010 EU4509050 4LBPSMW
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

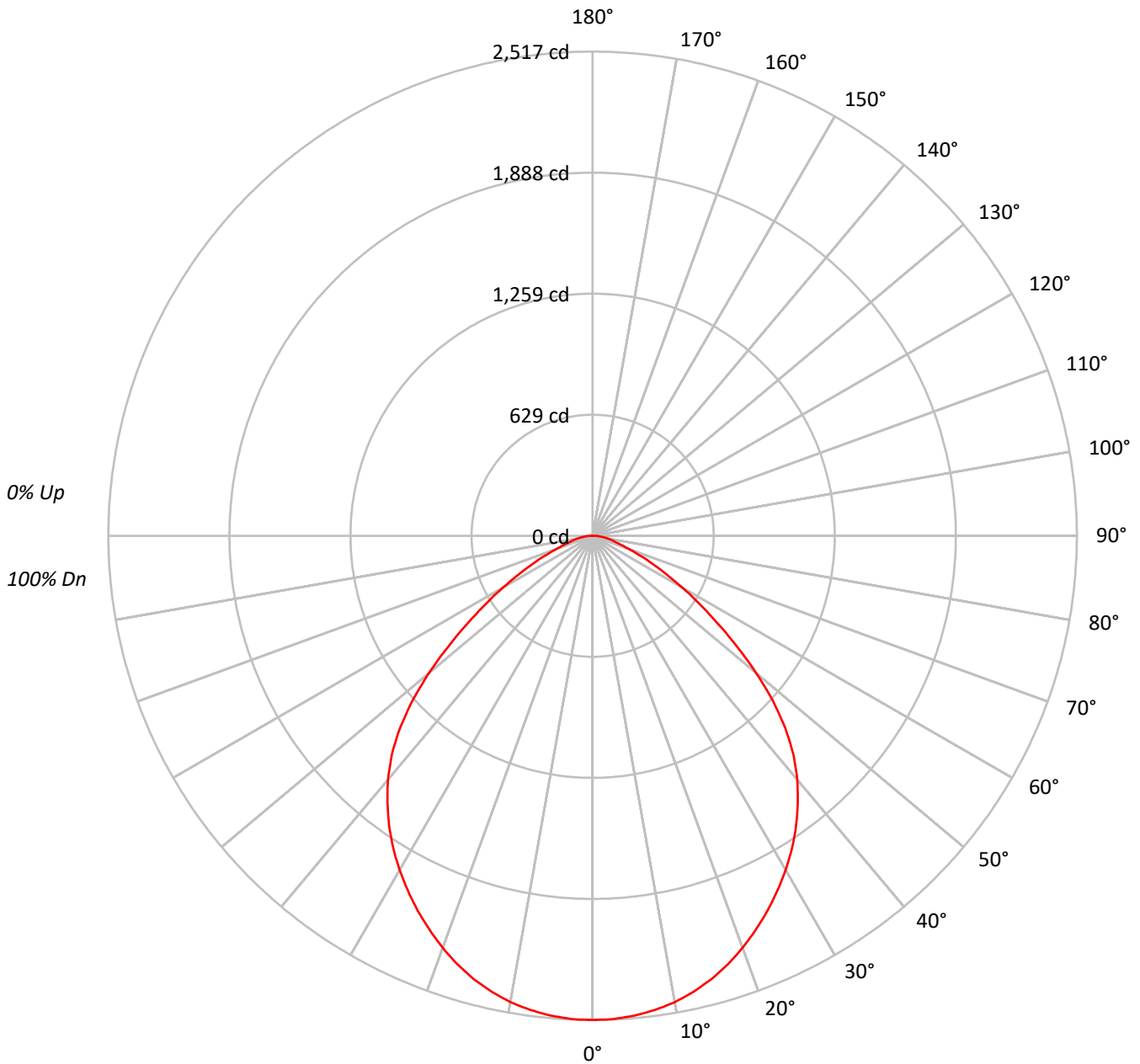
Lumens per Lamp: N/A
Luminaire Lumens: 5367.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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: P839323

CATALOG NUMBER: LD4C50D010 EU4509050 4LBPSMW

Luminous Intensity Polar Plot





TEST NUMBER: P839323

CATALOG NUMBER: LD4C50D010 EU4509050 4LBPSMW

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	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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																											
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76																											
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66																											
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58																											
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51																											
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46																											
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41																											
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37																											
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33																											
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	309234
5°	308726
10°	307044
15°	303494
20°	297978
25°	291536
30°	284583
35°	276466
40°	265338
45°	246139
50°	212054
55°	169145
60°	131699
65°	98575
70°	71517
75°	56723
80°	53132
85°	53000



TEST NUMBER: P839323

CATALOG NUMBER: LD4C50D010 EU4509050 4LBPSMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.7	4.4
10°-20°	672.0	12.5
20°-30°	990.3	18.5
30°-40°	1150.4	21.4
40°-50°	1081.4	20.1
50°-60°	715.8	13.3
60°-70°	344.9	6.4
70°-80°	133.0	2.5
80°-90°	41.5	0.8
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°	1900.0	35.4
0°-40°	3050.4	56.8
0°-60°	4847.5	90.3
0°-90°	5367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5367.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2517	
5°	2503	238
15°	2386	672
25°	2151	990
35°	1843	1150
45°	1417	1081
55°	790	716
65°	339	345
75°	120	133
85°	38	42
90°	0	



TEST NUMBER: P839323

CATALOG NUMBER: LD4C50D010 EU4509050 4LBPSMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2517.1
2.5°	2514.8
5°	2503.4
7.5°	2486.3
10°	2461.3
12.5°	2427.2
15°	2386.2
17.5°	2336.1
20°	2279.2
22.5°	2216.7
25°	2150.7
27.5°	2080.1
30°	2006.1
32.5°	1927.6
35°	1843.4
37.5°	1751.2
40°	1654.5
42.5°	1545.3
45°	1416.7
47.5°	1271.0
50°	1109.5
52.5°	945.6
55°	789.7
57.5°	655.4
60°	536.0
62.5°	429.0
65°	339.1
67.5°	262.9
70°	199.1
72.5°	151.3
75°	119.5
77.5°	96.7
80°	75.1
82.5°	55.8
85°	37.6
87.5°	21.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)