

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: P839145

Luminaire Tested: **LD4C02D010 EU4029050 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839145
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: LD4C02D010 EU4029050 4LBPSMW
Description: 4 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

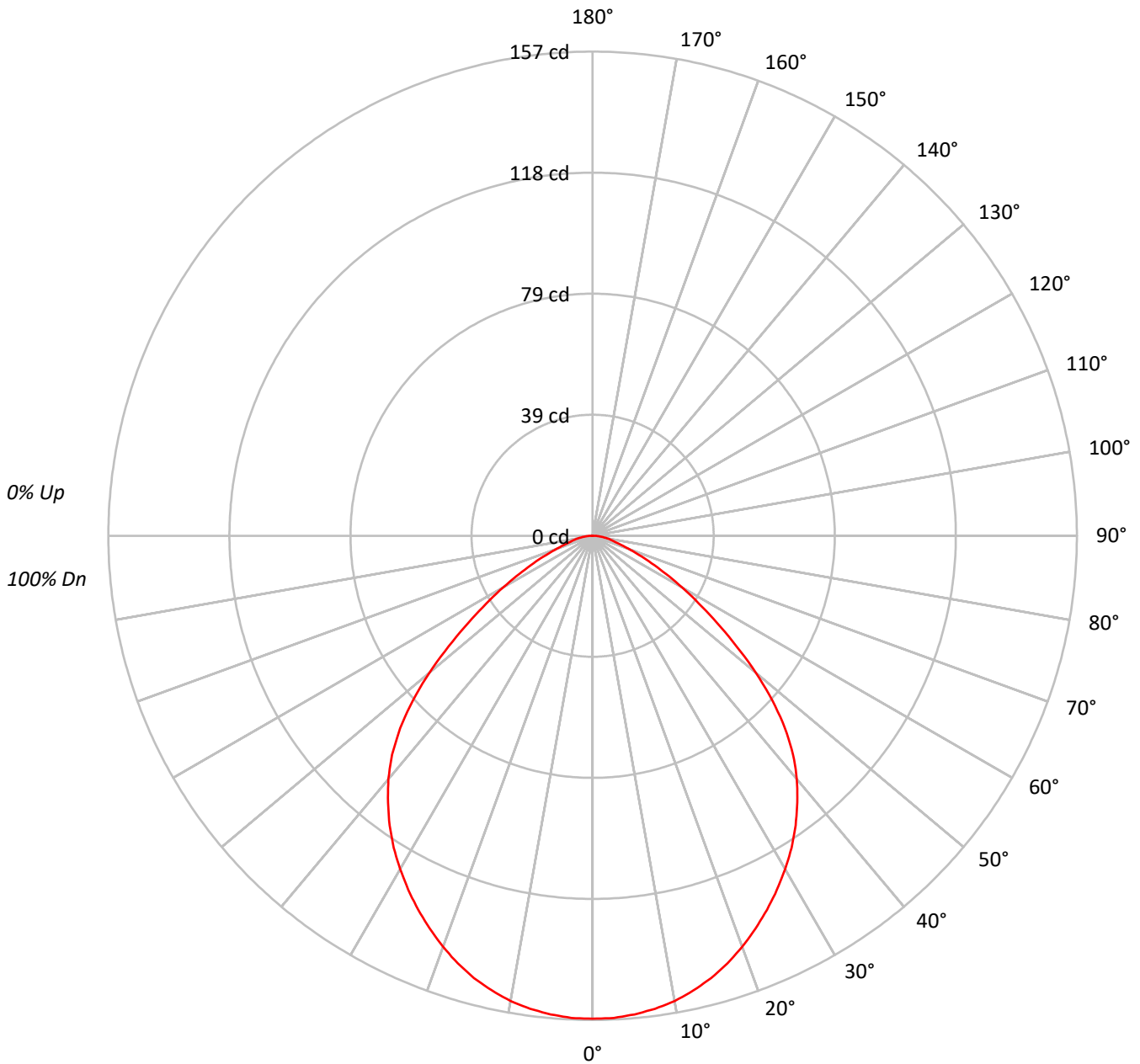
Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 3.5
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: P839145

CATALOG NUMBER: LD4C02D010 EU4029050 4LBPSMW

Luminous Intensity Polar Plot





TEST NUMBER: P839145

CATALOG NUMBER: LD4C02D010 EU4029050 4LBPSMW

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	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°	19239
5°	19214
10°	19111
15°	18887
20°	18539
25°	18137
30°	17704
35°	17202
40°	16519
45°	15324
50°	13188
55°	10517
60°	8207
65°	6134
70°	4454
75°	3513
80°	3325
85°	3242



TEST NUMBER: P839145

CATALOG NUMBER: LD4C02D010 EU4029050 4LBPSMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	4.4
10°-20°	41.8	12.5
20°-30°	61.6	18.4
30°-40°	71.6	21.4
40°-50°	67.3	20.2
50°-60°	44.5	13.3
60°-70°	21.5	6.4
70°-80°	8.3	2.5
80°-90°	2.6	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°	118.2	35.4
0°-40°	189.8	56.8
0°-60°	301.7	90.3
0°-90°	334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	334.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	157	
5°	156	15
15°	148	42
25°	134	62
35°	115	72
45°	88	67
55°	49	45
65°	21	21
75°	7	8
85°	2	3
90°	0	



TEST NUMBER: P839145

CATALOG NUMBER: LD4C02D010 EU4029050 4LBPSMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	156.6
2.5°	156.5
5°	155.8
7.5°	154.7
10°	153.2
12.5°	151.0
15°	148.5
17.5°	145.4
20°	141.8
22.5°	137.9
25°	133.8
27.5°	129.4
30°	124.8
32.5°	120.0
35°	114.7
37.5°	109.0
40°	103.0
42.5°	96.2
45°	88.2
47.5°	79.1
50°	69.0
52.5°	58.8
55°	49.1
57.5°	40.8
60°	33.4
62.5°	26.7
65°	21.1
67.5°	16.4
70°	12.4
72.5°	9.4
75°	7.4
77.5°	6.0
80°	4.7
82.5°	3.5
85°	2.3
87.5°	1.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)