

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: P839141

Luminaire Tested: **LD4C02D010 EU4029027 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839141
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 EU4029027 4LBPSMW
Description: 4 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND
4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

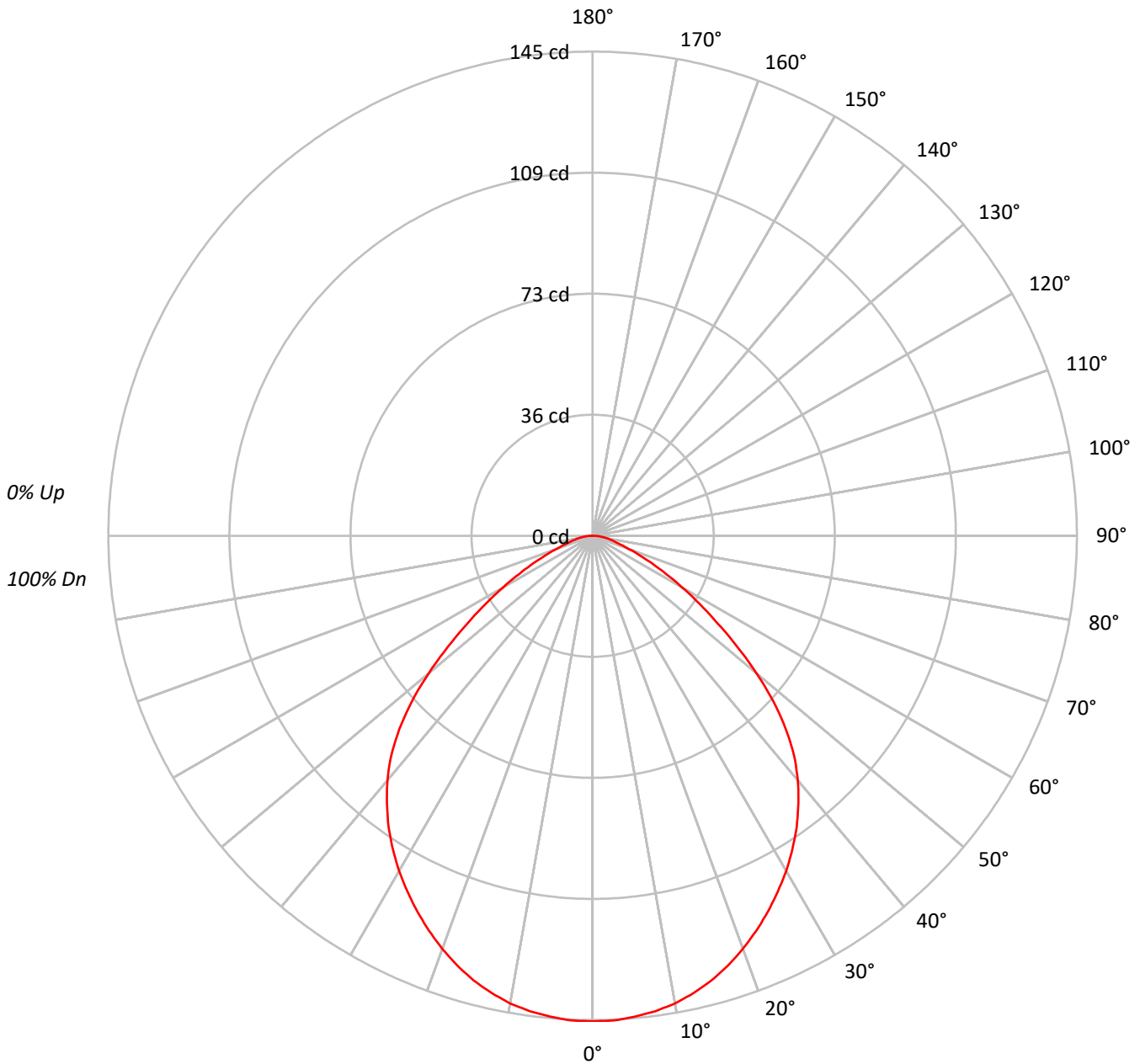
Lumens per Lamp: N/A
Luminaire Lumens: 310.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	100	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17863
5°	17832
10°	17739
15°	17526
20°	17205
25°	16836
30°	16441
35°	15972
40°	15332
45°	14212
50°	12251
55°	9767
60°	7617
65°	5698
70°	4131
75°	3275
80°	3042
85°	3101



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	4.4
10°-20°	38.8	12.5
20°-30°	57.2	18.4
30°-40°	66.5	21.4
40°-50°	62.5	20.2
50°-60°	41.4	13.3
60°-70°	19.9	6.4
70°-80°	7.7	2.5
80°-90°	2.4	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°	109.7	35.4
0°-40°	176.2	56.8
0°-60°	280.0	90.3
0°-90°	310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	310.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	145	
5°	145	14
15°	138	39
25°	124	57
35°	106	66
45°	82	62
55°	46	41
65°	20	20
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	145.4
2.5°	145.3
5°	144.6
7.5°	143.6
10°	142.2
12.5°	140.2
15°	137.8
17.5°	134.9
20°	131.6
22.5°	128.0
25°	124.2
27.5°	120.1
30°	115.9
32.5°	111.3
35°	106.5
37.5°	101.2
40°	95.6
42.5°	89.3
45°	81.8
47.5°	73.4
50°	64.1
52.5°	54.6
55°	45.6
57.5°	37.9
60°	31.0
62.5°	24.8
65°	19.6
67.5°	15.2
70°	11.5
72.5°	8.7
75°	6.9
77.5°	5.6
80°	4.3
82.5°	3.2
85°	2.2
87.5°	1.2
90°	0.0



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— 0°-180°







(END OF REPORT)