

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: P839144

Luminaire Tested: **LD4C02D010 EU4029040 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839144
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 EU4029040 4LBPSMW
Description: 4 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

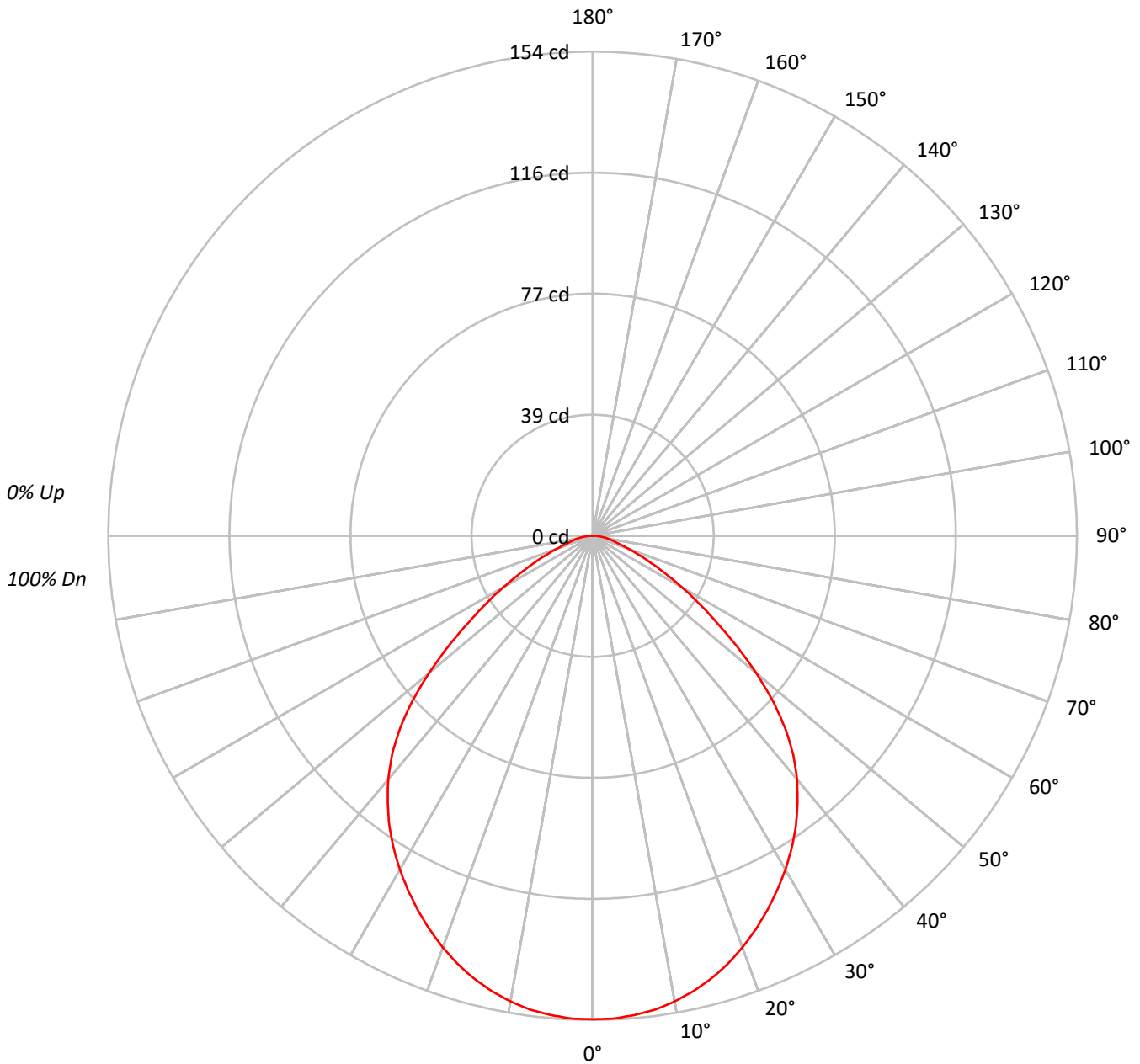
Lumens per Lamp: N/A
Luminaire Lumens: 328.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	18895
5°	18868
10°	18762
15°	18544
20°	18212
25°	17812
30°	17392
35°	16902
40°	16214
45°	15046
50°	12958
55°	10345
60°	8059
65°	6017
70°	4382
75°	3465
80°	3254
85°	3242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	4.4
10°-20°	41.1	12.5
20°-30°	60.5	18.5
30°-40°	70.3	21.4
40°-50°	66.1	20.1
50°-60°	43.8	13.3
60°-70°	21.1	6.4
70°-80°	8.1	2.5
80°-90°	2.5	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°	116.1	35.4
0°-40°	186.4	56.8
0°-60°	296.3	90.3
0°-90°	328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	328.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	154	
5°	153	15
15°	146	41
25°	131	61
35°	113	70
45°	87	66
55°	48	44
65°	21	21
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	153.8
2.5°	153.7
5°	153.0
7.5°	152.0
10°	150.4
12.5°	148.3
15°	145.8
17.5°	142.8
20°	139.3
22.5°	135.5
25°	131.4
27.5°	127.1
30°	122.6
32.5°	117.8
35°	112.7
37.5°	107.0
40°	101.1
42.5°	94.4
45°	86.6
47.5°	77.7
50°	67.8
52.5°	57.8
55°	48.3
57.5°	40.1
60°	32.8
62.5°	26.2
65°	20.7
67.5°	16.1
70°	12.2
72.5°	9.2
75°	7.3
77.5°	5.9
80°	4.6
82.5°	3.4
85°	2.3
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)