

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: P839668

Luminaire Tested: **LDS4C100D010 EU41009035 4LBPSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C100D010 EU41009035 4LBPSMB
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

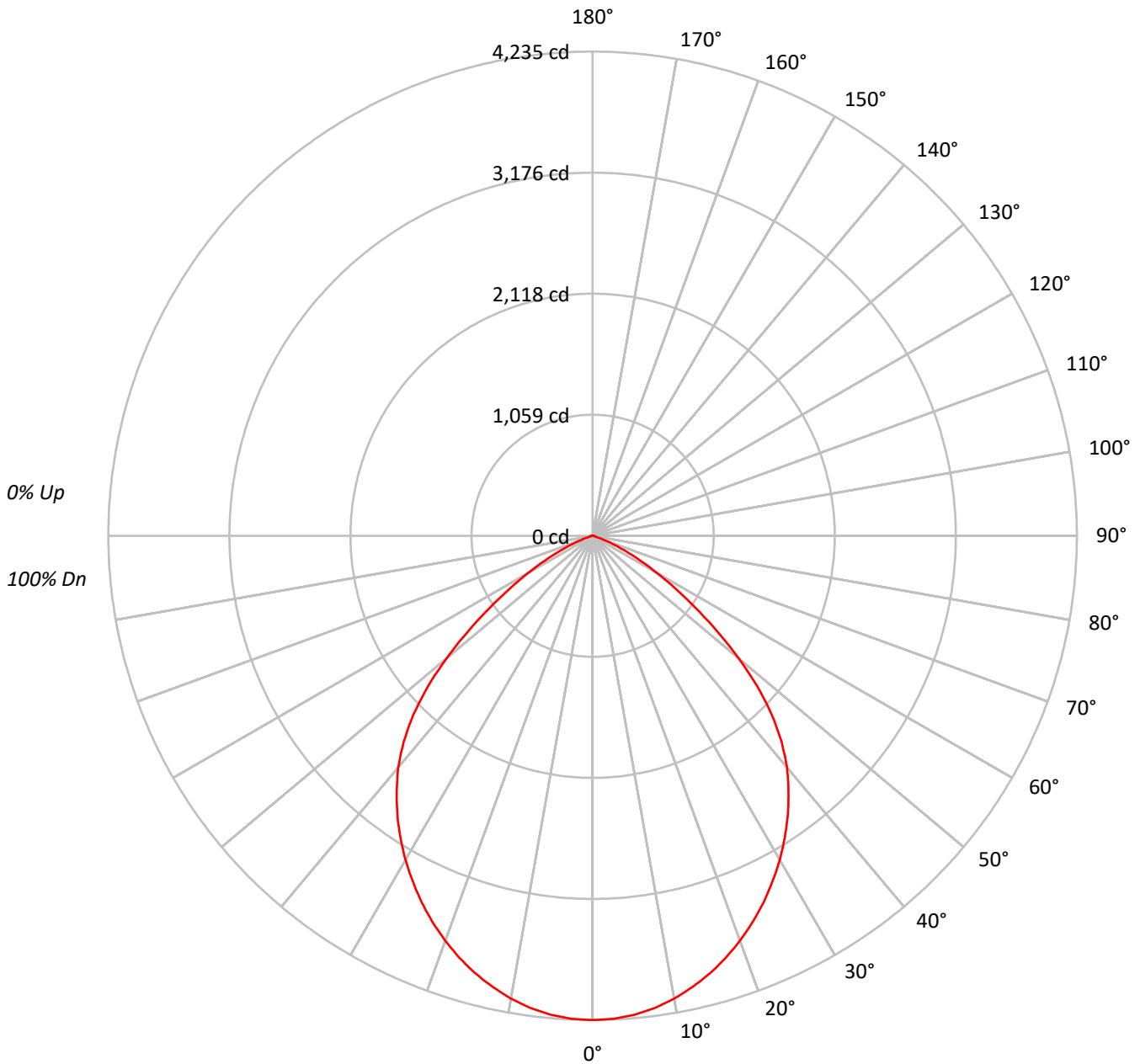
Lumens per Lamp: N/A
Luminaire Lumens: 8066.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	520321
5°	518548
10°	512854
15°	504018
20°	492725
25°	479562
30°	464446
35°	446570
40°	424044
45°	385531
50°	318282
55°	234365
60°	159071
65°	93139
70°	36782
75°	8259
80°	10825
85°	18466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.4	4.9
10°-20°	1115.9	13.8
20°-30°	1627.6	20.2
30°-40°	1857.9	23.0
40°-50°	1689.0	20.9
50°-60°	996.2	12.4
60°-70°	334.1	4.1
70°-80°	34.9	0.4
80°-90°	12.2	0.2
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°	3141.9	39.0
0°-40°	4999.7	62.0
0°-60°	7684.9	95.3
0°-90°	8066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8066.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4235	
5°	4205	398
15°	3963	1116
25°	3538	1628
35°	2978	1858
45°	2219	1689
55°	1094	996
65°	320	334
75°	17	35
85°	13	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4235.3
2.5°	4228.8
5°	4204.8
7.5°	4165.6
10°	4111.1
12.5°	4041.3
15°	3962.8
17.5°	3871.3
20°	3768.8
22.5°	3657.7
25°	3537.8
27.5°	3407.0
30°	3274.0
32.5°	3128.0
35°	2977.6
37.5°	2814.1
40°	2644.1
42.5°	2445.7
45°	2219.0
47.5°	1957.4
50°	1665.3
52.5°	1373.3
55°	1094.2
57.5°	856.7
60°	647.4
62.5°	468.7
65°	320.4
67.5°	196.2
70°	102.4
72.5°	39.2
75°	17.4
77.5°	17.4
80°	15.3
82.5°	13.1
85°	13.1
87.5°	10.9
90°	0.0



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— 0°-180°







(END OF REPORT)