

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: P839212

Luminaire Tested: **LD4C15D010 EU4159035 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839212
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: LD4C15D010 EU4159035 4LBPSMW
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

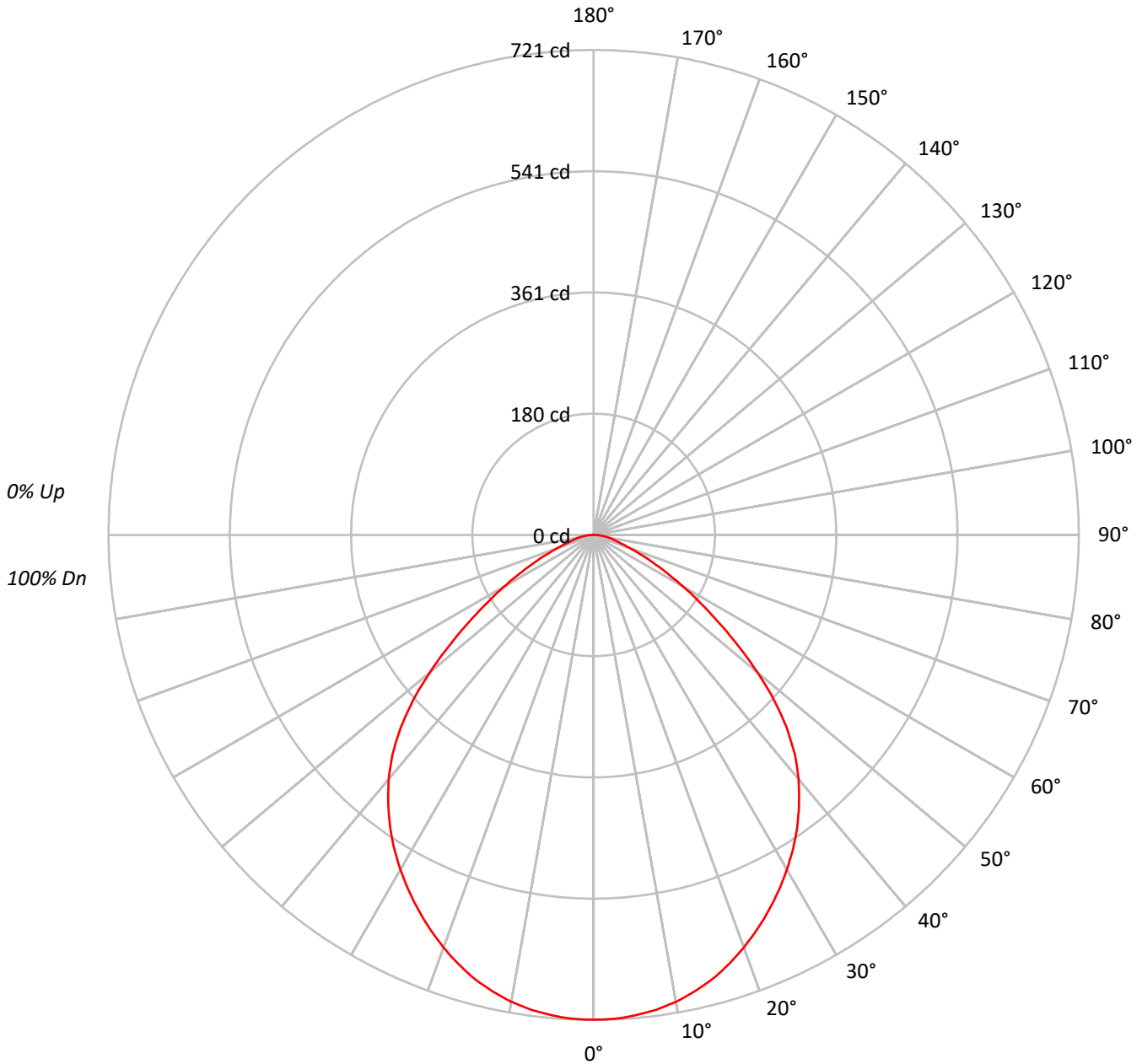
Lumens per Lamp: N/A
Luminaire Lumens: 1537.0 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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°	88553
5°	88410
10°	87935
15°	86920
20°	85333
25°	83488
30°	81498
35°	79173
40°	75985
45°	70487
50°	60721
55°	48449
60°	37716
65°	28227
70°	20474
75°	16234
80°	15211
85°	15224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	4.4
10°-20°	192.5	12.5
20°-30°	283.6	18.5
30°-40°	329.4	21.4
40°-50°	309.7	20.1
50°-60°	205.0	13.3
60°-70°	98.8	6.4
70°-80°	38.1	2.5
80°-90°	11.9	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°	544.1	35.4
0°-40°	873.6	56.8
0°-60°	1388.2	90.3
0°-90°	1537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1537.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	721	
5°	717	68
15°	683	192
25°	616	284
35°	528	329
45°	406	310
55°	226	205
65°	97	99
75°	34	38
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	720.8
2.5°	720.2
5°	716.9
7.5°	712.0
10°	704.9
12.5°	695.1
15°	683.4
17.5°	669.0
20°	652.7
22.5°	634.8
25°	615.9
27.5°	595.7
30°	574.5
32.5°	552.0
35°	527.9
37.5°	501.5
40°	473.8
42.5°	442.5
45°	405.7
47.5°	364.0
50°	317.7
52.5°	270.8
55°	226.2
57.5°	187.7
60°	153.5
62.5°	122.9
65°	97.1
67.5°	75.3
70°	57.0
72.5°	43.3
75°	34.2
77.5°	27.7
80°	21.5
82.5°	16.0
85°	10.8
87.5°	6.2
90°	0.0



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— 0°-180°







(END OF REPORT)