

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: P839769

Luminaire Tested: **LDS4C15D010 EU4159035 4LBPSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839769
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: LDS4C15D010 EU4159035 4LBPSMMS
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

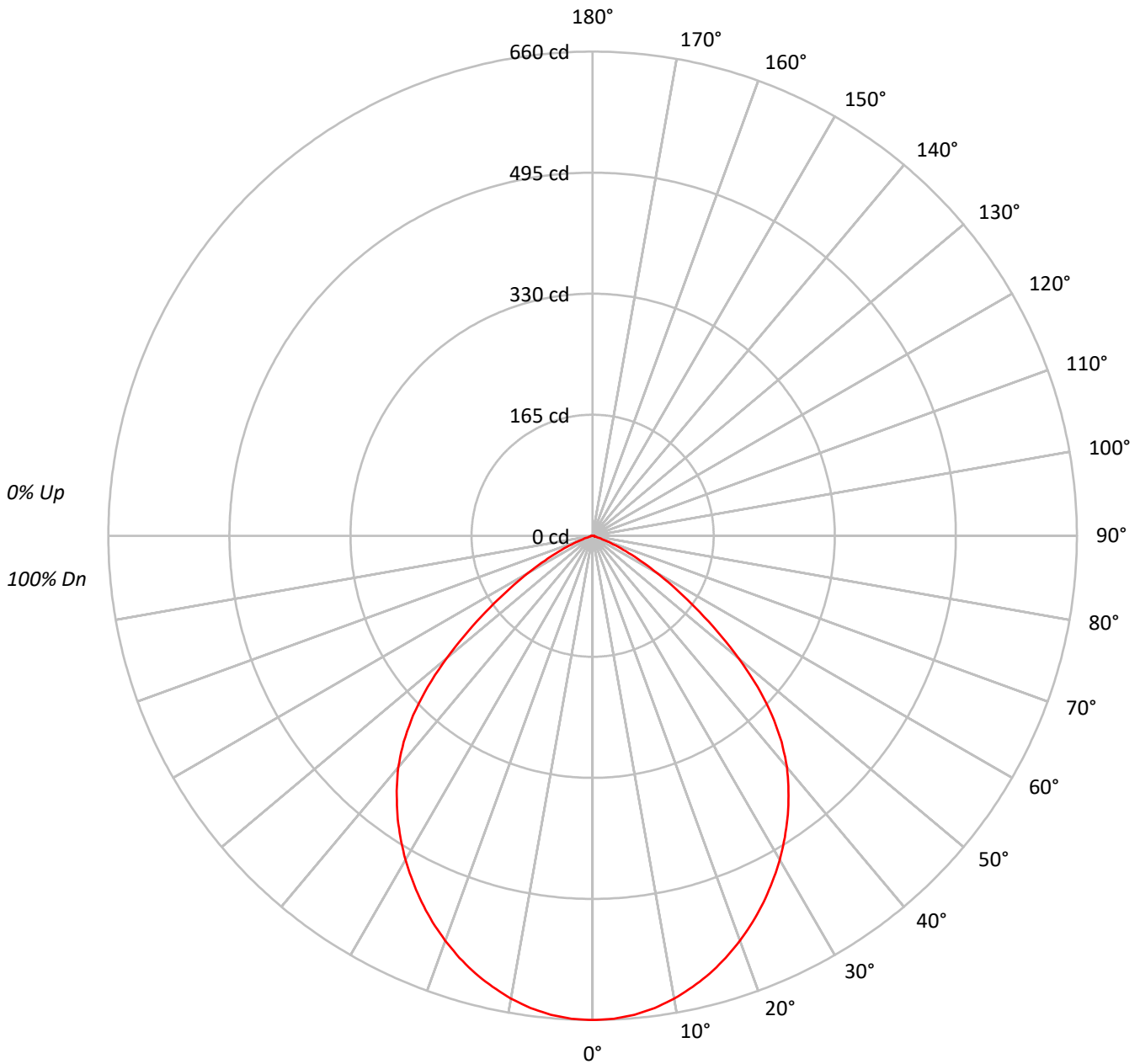
Lumens per Lamp: N/A
Luminaire Lumens: 1256.9 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81083
5°	80813
10°	79926
15°	78551
20°	76782
25°	74731
30°	72376
35°	69589
40°	66090
45°	60080
50°	49597
55°	36519
60°	24792
65°	14506
70°	5747
75°	1282
80°	1698
85°	2819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	4.9
10°-20°	173.9	13.8
20°-30°	253.6	20.2
30°-40°	289.5	23.0
40°-50°	263.2	20.9
50°-60°	155.2	12.3
60°-70°	52.1	4.1
70°-80°	5.4	0.4
80°-90°	1.9	0.1
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°	489.6	39.0
0°-40°	779.1	62.0
0°-60°	1197.6	95.3
0°-90°	1256.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1256.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	660	
5°	655	62
15°	618	174
25°	551	254
35°	464	290
45°	346	263
55°	170	155
65°	50	52
75°	3	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	660.0
2.5°	659.0
5°	655.3
7.5°	649.2
10°	640.7
12.5°	629.8
15°	617.6
17.5°	603.3
20°	587.3
22.5°	570.0
25°	551.3
27.5°	530.9
30°	510.2
32.5°	487.5
35°	464.0
37.5°	438.5
40°	412.1
42.5°	381.1
45°	345.8
47.5°	305.0
50°	259.5
52.5°	214.0
55°	170.5
57.5°	133.5
60°	100.9
62.5°	73.0
65°	49.9
67.5°	30.6
70°	16.0
72.5°	6.1
75°	2.7
77.5°	2.7
80°	2.4
82.5°	2.0
85°	2.0
87.5°	1.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)