

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: P839759

Luminaire Tested: **LDS4C15D010 EU4159030 4LBPSMMS**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839759
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 EU4159030 4LBPSMMS
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

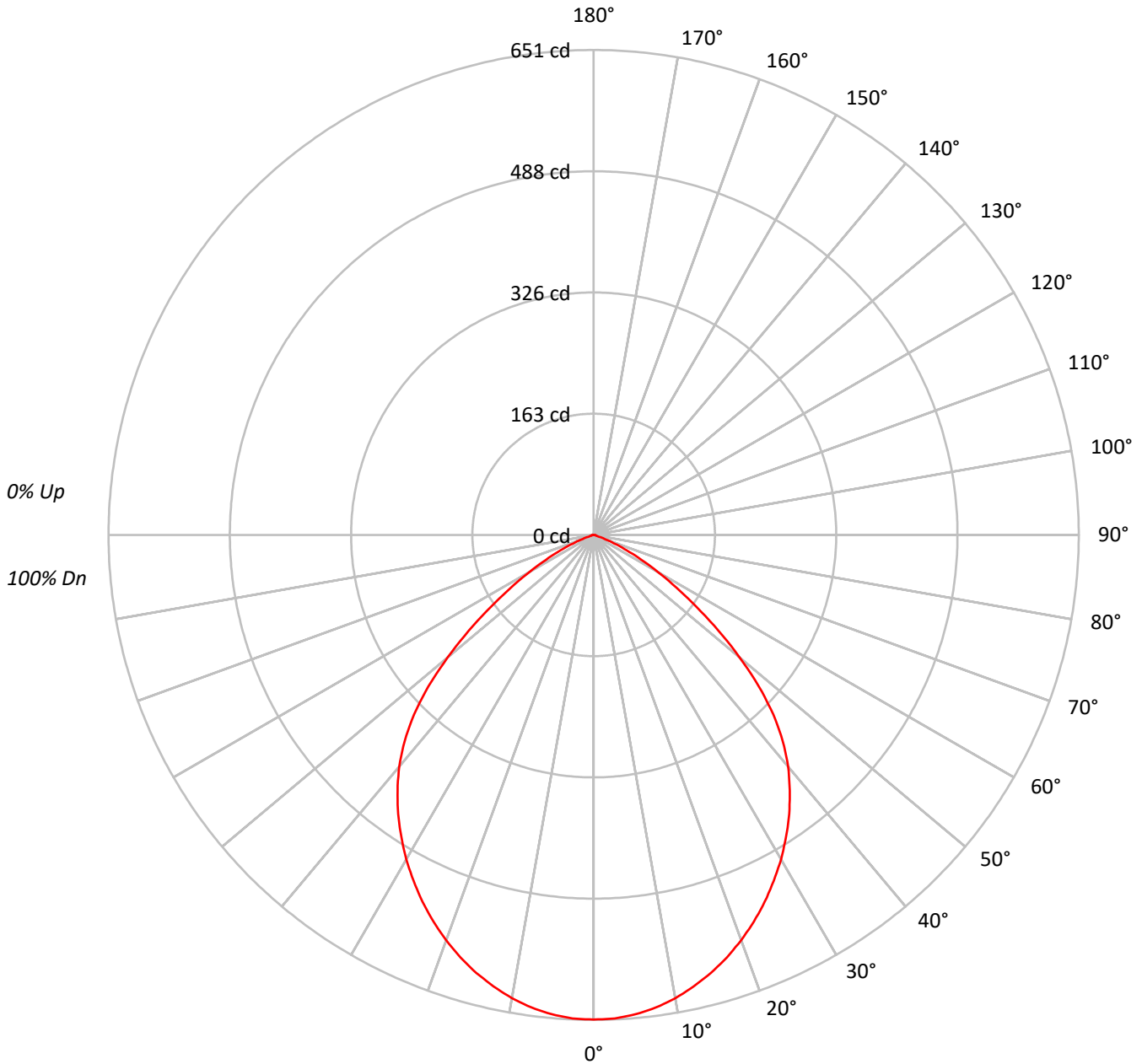
Lumens per Lamp: N/A
Luminaire Lumens: 1239.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70																			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62																			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55																			
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49																			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79928
5°	79654
10°	78779
15°	77419
20°	75684
25°	73660
30°	71341
35°	68599
40°	65128
45°	59228
50°	48890
55°	36005
60°	24423
65°	14302
70°	5639
75°	1282
80°	1627
85°	2819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	4.9
10°-20°	171.4	13.8
20°-30°	250.0	20.2
30°-40°	285.4	23.0
40°-50°	259.5	20.9
50°-60°	153.0	12.3
60°-70°	51.3	4.1
70°-80°	5.4	0.4
80°-90°	1.9	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°	482.6	39.0
0°-40°	768.0	62.0
0°-60°	1180.4	95.3
0°-90°	1239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1239.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	651	
5°	646	61
15°	609	171
25°	543	250
35°	457	285
45°	341	259
55°	168	153
65°	49	51
75°	3	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	650.6
2.5°	649.6
5°	645.9
7.5°	639.9
10°	631.5
12.5°	620.8
15°	608.7
17.5°	594.7
20°	578.9
22.5°	561.8
25°	543.4
27.5°	523.3
30°	502.9
32.5°	480.5
35°	457.4
37.5°	432.3
40°	406.1
42.5°	375.7
45°	340.9
47.5°	300.7
50°	255.8
52.5°	210.9
55°	168.1
57.5°	131.6
60°	99.4
62.5°	72.0
65°	49.2
67.5°	30.1
70°	15.7
72.5°	6.0
75°	2.7
77.5°	2.7
80°	2.3
82.5°	2.0
85°	2.0
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)