

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: P839748

Luminaire Tested: **LDS4C15D010 EU4159027 4LBPSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839748
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 EU4159027 4LBPSMB
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

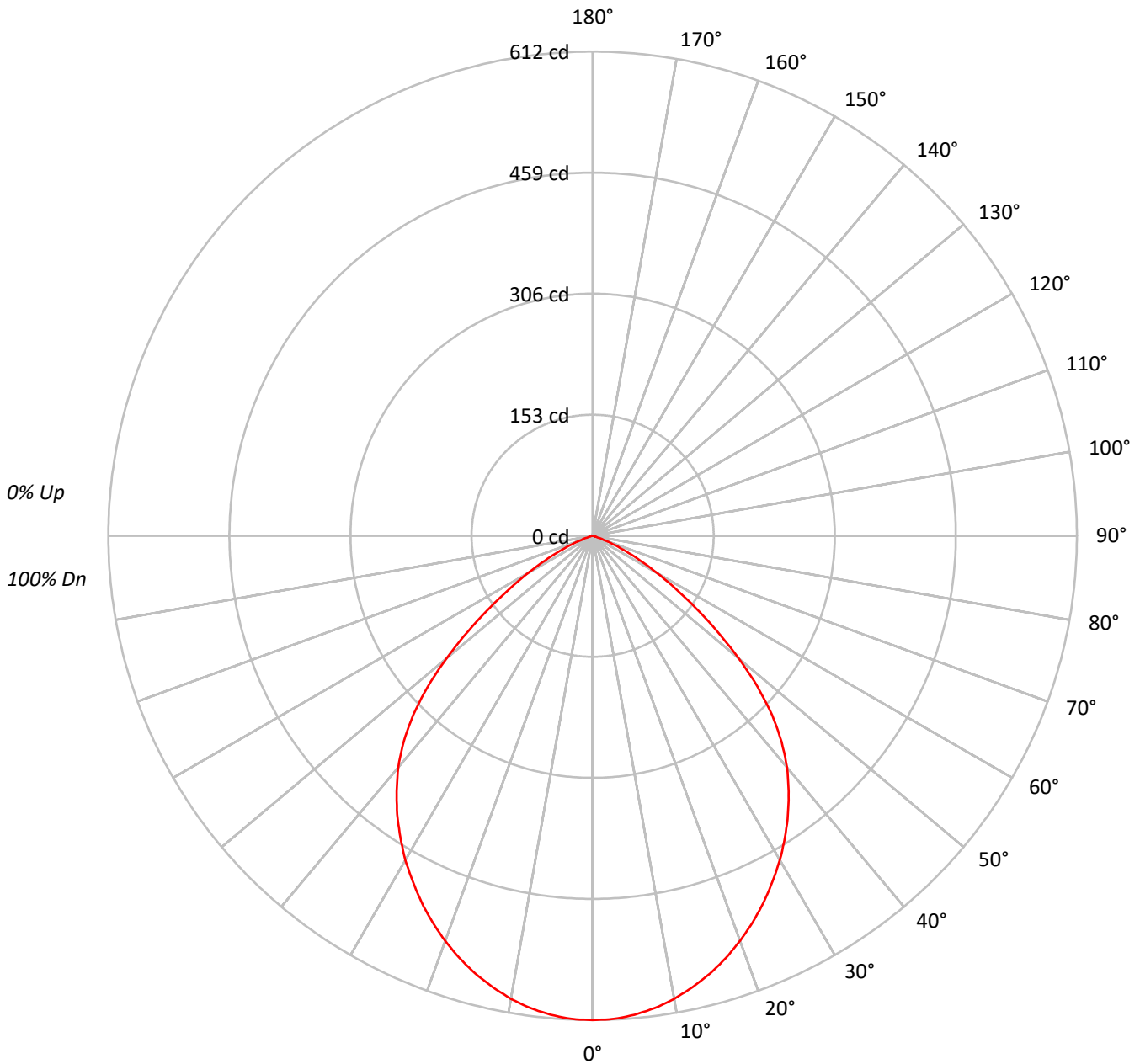
Lumens per Lamp: N/A
Luminaire Lumens: 1166.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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				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			
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	65	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°	75211
5°	74956
10°	74138
15°	72866
20°	71226
25°	69322
30°	67142
35°	64550
40°	61295
45°	55736
50°	46004
55°	33885
60°	22998
65°	13459
70°	5316
75°	1187
80°	1556
85°	2678



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	4.9
10°-20°	161.3	13.8
20°-30°	235.3	20.2
30°-40°	268.6	23.0
40°-50°	244.2	20.9
50°-60°	144.0	12.3
60°-70°	48.3	4.1
70°-80°	5.0	0.4
80°-90°	1.8	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°	454.2	39.0
0°-40°	722.7	62.0
0°-60°	1110.9	95.3
0°-90°	1166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	612	
5°	608	58
15°	573	161
25°	511	235
35°	430	269
45°	321	244
55°	158	144
65°	46	48
75°	2	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	612.2
2.5°	611.3
5°	607.8
7.5°	602.2
10°	594.3
12.5°	584.2
15°	572.9
17.5°	559.6
20°	544.8
22.5°	528.7
25°	511.4
27.5°	492.5
30°	473.3
32.5°	452.2
35°	430.4
37.5°	406.8
40°	382.2
42.5°	353.5
45°	320.8
47.5°	283.0
50°	240.7
52.5°	198.5
55°	158.2
57.5°	123.8
60°	93.6
62.5°	67.7
65°	46.3
67.5°	28.4
70°	14.8
72.5°	5.7
75°	2.5
77.5°	2.5
80°	2.2
82.5°	1.9
85°	1.9
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)