

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: P839664

Luminaire Tested: **LDS4C100D010 EU41009030 4LBSWH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C100D010 EU41009030 4LBSWH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

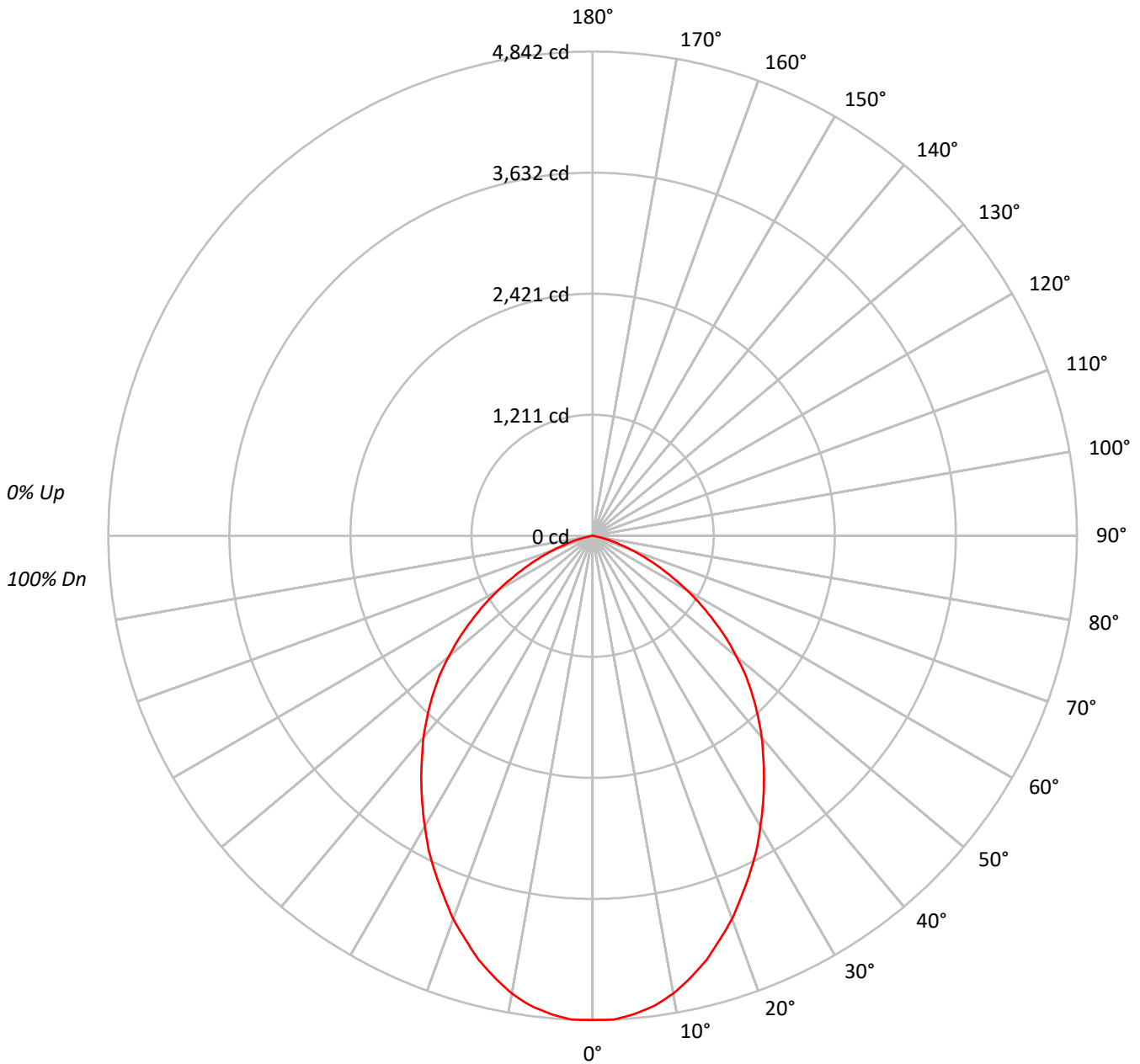
Lumens per Lamp: N/A
Luminaire Lumens: 9259.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	594906
5°	592147
10°	579932
15°	558848
20°	533123
25°	504382
30°	475795
35°	447980
40°	421799
45°	393193
50°	358533
55°	316635
60°	268017
65°	210406
70°	150181
75°	82308
80°	14503
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.6	4.9
10°-20°	1232.8	13.3
20°-30°	1712.1	18.5
30°-40°	1868.3	20.2
40°-50°	1742.8	18.8
50°-60°	1322.8	14.3
60°-70°	724.3	7.8
70°-80°	199.4	2.2
80°-90°	2.8	0.0
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°	3398.5	36.7
0°-40°	5266.8	56.9
0°-60°	8332.5	90.0
0°-90°	9259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9259.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4842	
5°	4802	454
15°	4394	1233
25°	3721	1712
35°	2987	1868
45°	2263	1743
55°	1478	1323
65°	724	724
75°	173	199
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4842.4
2.5°	4842.4
5°	4801.6
7.5°	4740.6
10°	4648.8
12.5°	4526.5
15°	4393.9
17.5°	4230.9
20°	4077.8
22.5°	3894.3
25°	3720.9
27.5°	3547.8
30°	3354.0
32.5°	3170.5
35°	2987.0
37.5°	2803.5
40°	2630.1
42.5°	2446.6
45°	2263.1
47.5°	2079.6
50°	1875.9
52.5°	1682.0
55°	1478.3
57.5°	1284.4
60°	1090.8
62.5°	897.2
65°	723.8
67.5°	560.6
70°	418.1
72.5°	285.5
75°	173.4
77.5°	81.5
80°	20.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)