

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: P839694

Luminaire Tested: **LDS4C100D010 EU41009050 4LBSWH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839694
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 EU41009050 4LBSWH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

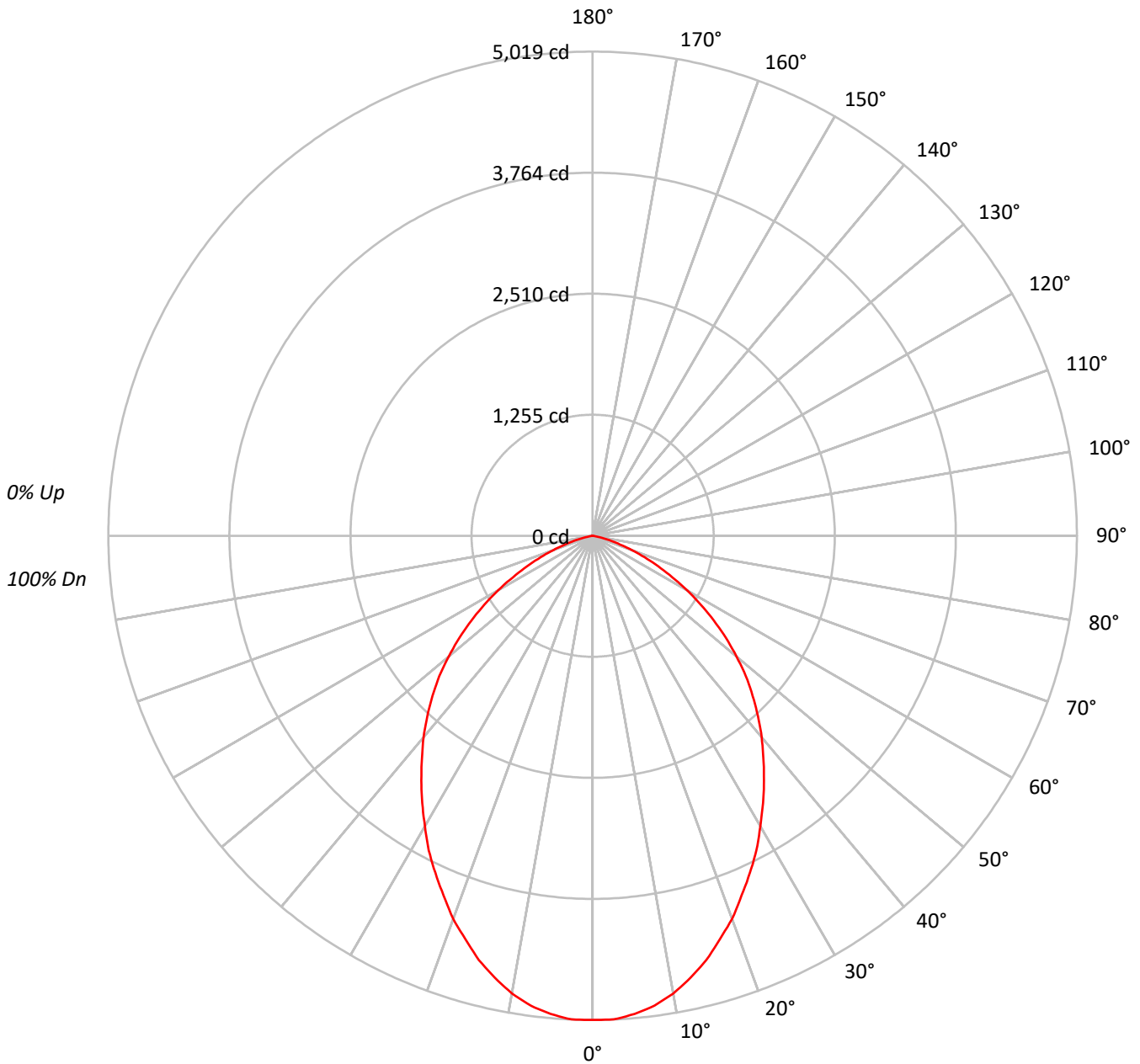
Lumens per Lamp: N/A
Luminaire Lumens: 9596.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	616552
5°	613703
10°	601039
15°	579185
20°	552525
25°	522750
30°	493102
35°	464282
40°	437163
45°	407510
50°	371587
55°	328158
60°	277772
65°	218080
70°	155641
75°	85298
80°	14999
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.1	4.9
10°-20°	1277.7	13.3
20°-30°	1774.4	18.5
30°-40°	1936.3	20.2
40°-50°	1806.3	18.8
50°-60°	1371.0	14.3
60°-70°	750.7	7.8
70°-80°	206.6	2.2
80°-90°	2.9	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°	3522.2	36.7
0°-40°	5458.5	56.9
0°-60°	8635.8	90.0
0°-90°	9596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9596.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5019	
5°	4976	470
15°	4554	1278
25°	3856	1774
35°	3096	1936
45°	2346	1806
55°	1532	1371
65°	750	751
75°	180	207
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5018.6
2.5°	5018.6
5°	4976.4
7.5°	4913.2
10°	4818.0
12.5°	4691.3
15°	4553.8
17.5°	4384.9
20°	4226.2
22.5°	4036.0
25°	3856.4
27.5°	3677.0
30°	3476.0
32.5°	3285.9
35°	3095.7
37.5°	2905.5
40°	2725.9
42.5°	2535.7
45°	2345.5
47.5°	2155.3
50°	1944.2
52.5°	1743.3
55°	1532.1
57.5°	1331.2
60°	1130.5
62.5°	929.9
65°	750.2
67.5°	581.0
70°	433.3
72.5°	295.9
75°	179.7
77.5°	84.5
80°	21.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)