

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: P839674

Luminaire Tested: **LDS4C100D010 EU41009035 4LBSWH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839674
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 EU41009035 4LBSWH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

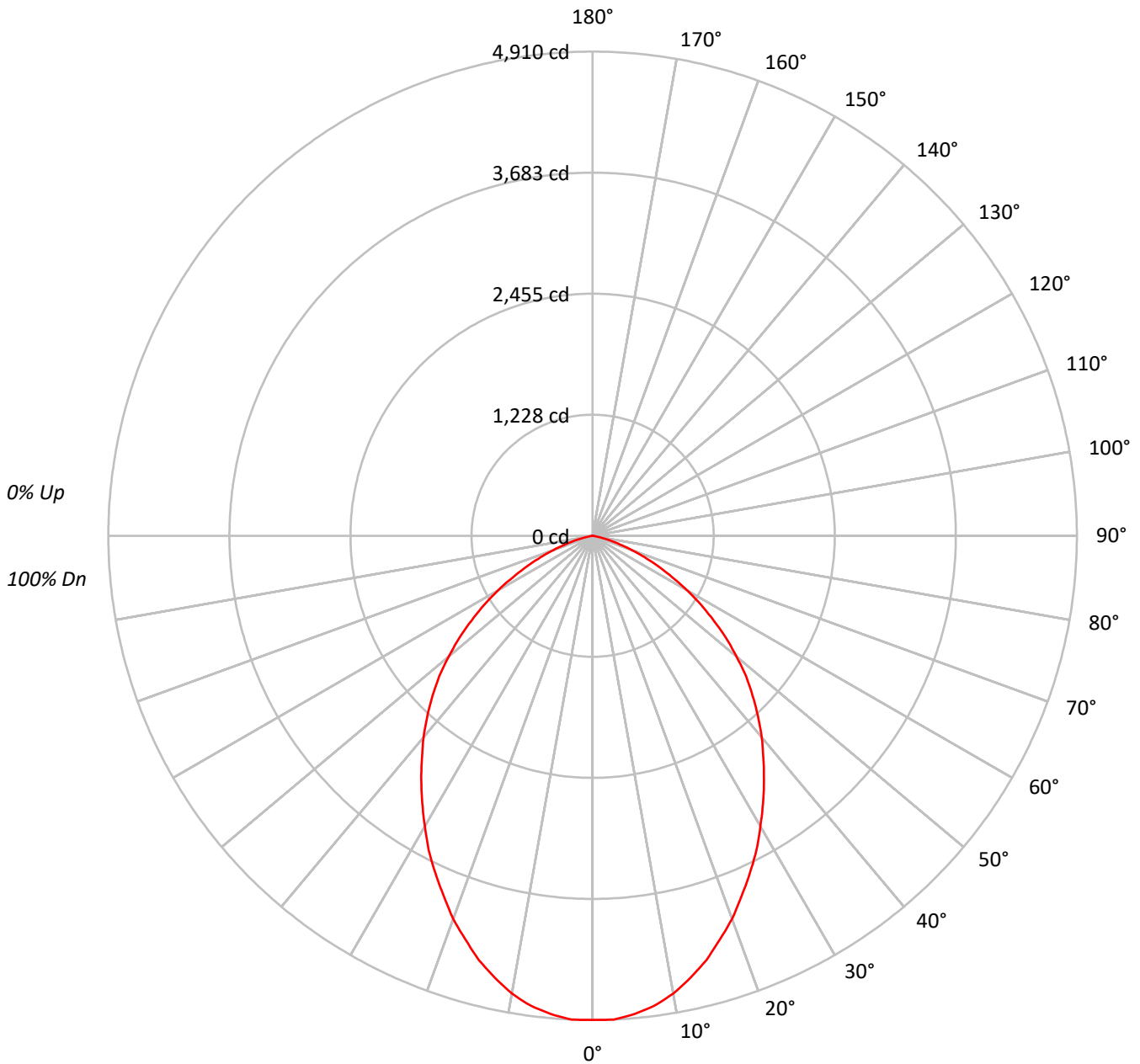
Lumens per Lamp: N/A
Luminaire Lumens: 9389.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P839674

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBSWH

Luminous Intensity Polar Plot





TEST NUMBER: P839674

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBSWH

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°	603260
5°	600471
10°	588065
15°	566696
20°	540614
25°	511472
30°	482477
35°	454264
40°	427733
45°	398718
50°	363560
55°	321090
60°	271776
65°	213371
70°	152301
75°	83447
80°	14716
85°	0



TEST NUMBER: P839674

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.0	4.9
10°-20°	1250.2	13.3
20°-30°	1736.1	18.5
30°-40°	1894.5	20.2
40°-50°	1767.3	18.8
50°-60°	1341.5	14.3
60°-70°	734.5	7.8
70°-80°	202.1	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°	3446.3	36.7
0°-40°	5340.8	56.9
0°-60°	8449.5	90.0
0°-90°	9389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9389.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4910	
5°	4869	460
15°	4456	1250
25°	3773	1736
35°	3029	1895
45°	2295	1767
55°	1499	1341
65°	734	735
75°	176	202
85°	0	3
90°	0	



TEST NUMBER: P839674

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBSWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4910.4
2.5°	4910.4
5°	4869.1
7.5°	4807.2
10°	4714.0
12.5°	4590.1
15°	4455.6
17.5°	4290.3
20°	4135.1
22.5°	3949.0
25°	3773.2
27.5°	3597.6
30°	3401.1
32.5°	3215.0
35°	3028.9
37.5°	2842.8
40°	2667.1
42.5°	2481.0
45°	2294.9
47.5°	2108.8
50°	1902.2
52.5°	1705.7
55°	1499.1
57.5°	1302.5
60°	1106.1
62.5°	909.8
65°	734.0
67.5°	568.5
70°	424.0
72.5°	289.5
75°	175.8
77.5°	82.6
80°	20.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)