

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: P839666

Luminaire Tested: **LDS4C100D010 EU41009035 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839666
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: LDS4C100D010 EU41009035 4LBCSMB
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

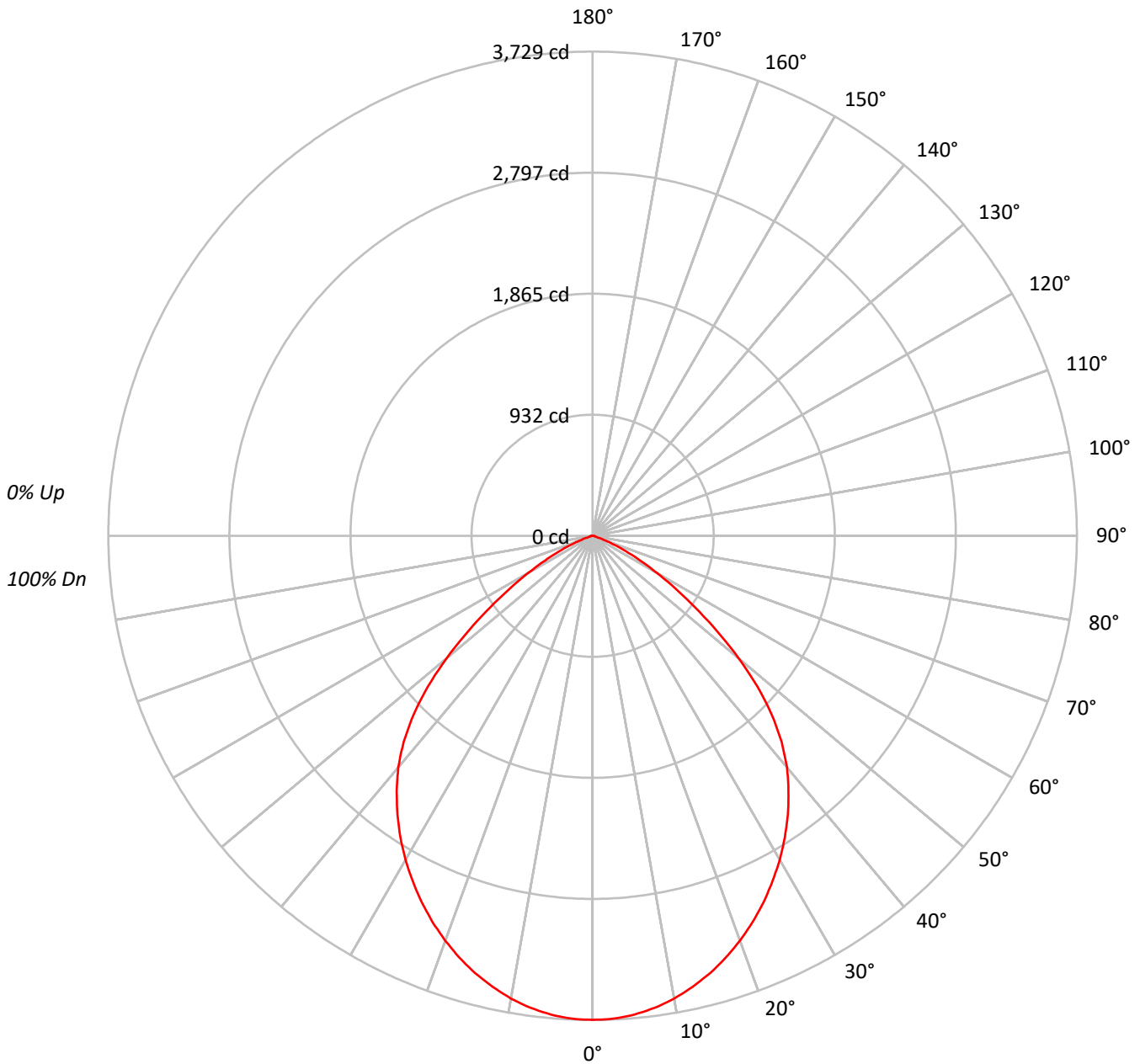
Lumens per Lamp: N/A
Luminaire Lumens: 7101.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P839666

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBCSMB

Luminous Intensity Polar Plot





TEST NUMBER: P839666

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBCSMB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90				90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79				79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70				70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62				62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55				55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49				49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44				44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40				40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36				36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	458071
5°	456504
10°	451490
15°	443718
20°	433775
25°	422182
30°	408880
35°	393133
40°	373302
45°	339403
50°	280210
55°	206328
60°	140028
65°	82005
70°	32400
75°	7310
80°	9480
85°	16210



TEST NUMBER: P839666

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBCSMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.7	4.9
10°-20°	982.4	13.8
20°-30°	1432.9	20.2
30°-40°	1635.6	23.0
40°-50°	1486.9	20.9
50°-60°	877.0	12.4
60°-70°	294.1	4.1
70°-80°	30.7	0.4
80°-90°	10.7	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°	2766.0	39.0
0°-40°	4401.5	62.0
0°-60°	6765.4	95.3
0°-90°	7101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7101.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3729	
5°	3702	351
15°	3489	982
25°	3114	1433
35°	2621	1636
45°	1954	1487
55°	963	877
65°	282	294
75°	15	31
85°	12	11
90°	0	



TEST NUMBER: P839666

CATALOG NUMBER: LDS4C100D010 EU41009035 4LBCSMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3728.6
2.5°	3722.8
5°	3701.7
7.5°	3667.2
10°	3619.2
12.5°	3557.8
15°	3488.7
17.5°	3408.1
20°	3317.9
22.5°	3220.1
25°	3114.5
27.5°	2999.4
30°	2882.3
32.5°	2753.8
35°	2621.3
37.5°	2477.4
40°	2327.7
42.5°	2153.1
45°	1953.5
47.5°	1723.3
50°	1466.1
52.5°	1209.0
55°	963.3
57.5°	754.2
60°	569.9
62.5°	412.6
65°	282.1
67.5°	172.7
70°	90.2
72.5°	34.5
75°	15.4
77.5°	15.4
80°	13.4
82.5°	11.5
85°	11.5
87.5°	9.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)