

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: P858275

Luminaire Tested: **LD4C10W2N2050D010 4LBMH_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C10W2N2050D010 4LBMH_4000K
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2050 LEDS AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

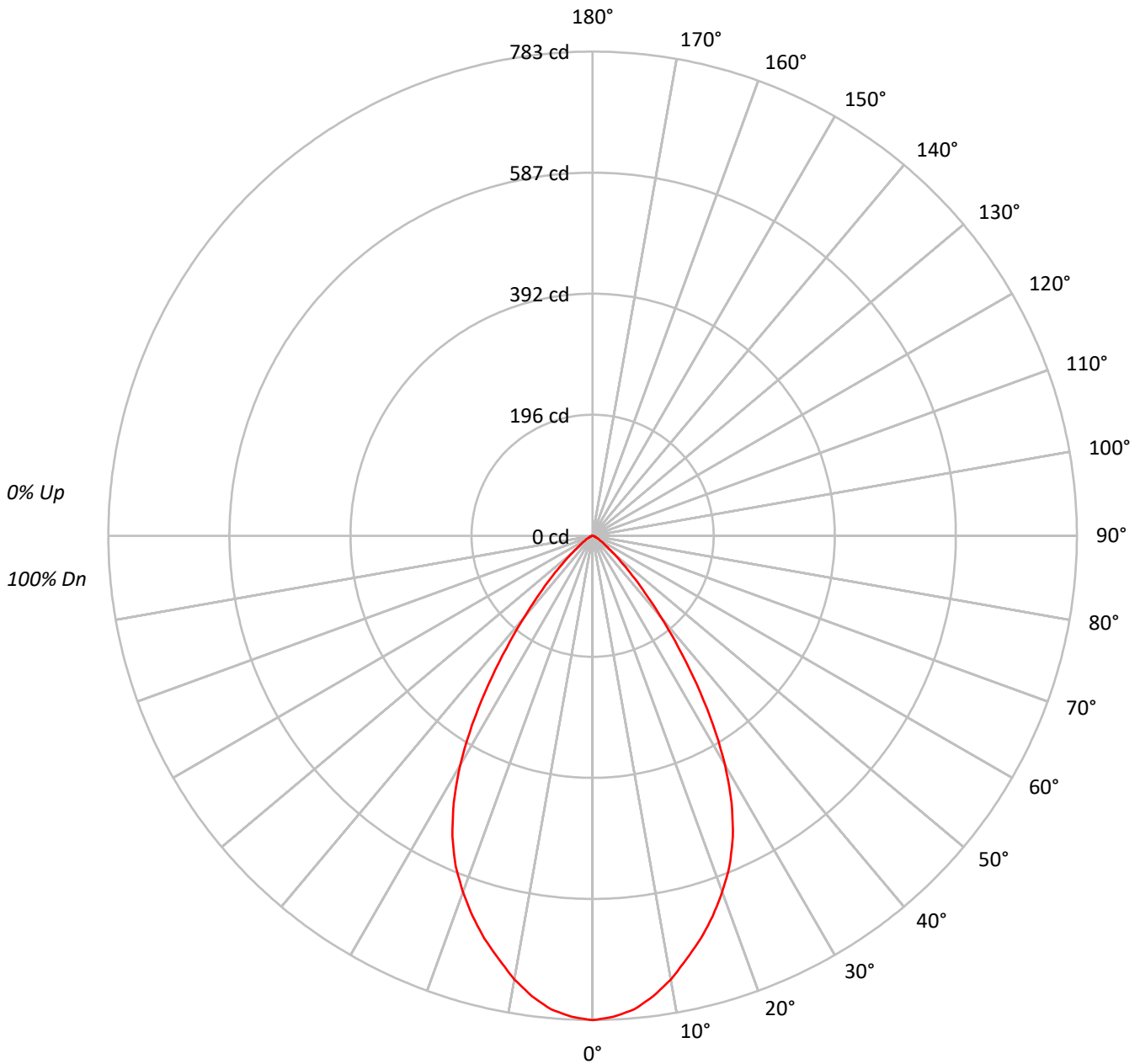
Lumens per Lamp: N/A
Luminaire Lumens: 790.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 13
Input Voltage (V): NR
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: P858275

CATALOG NUMBER: LD4C10W2N2050D010 4LBMH_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P858275

CATALOG NUMBER: LD4C10W2N2050D010 4LBMH_4000K

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	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																												
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85																												
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79																												
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73																												
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67																												
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62																												
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58																												
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54																												
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50																												
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96231
5°	94835
10°	90879
15°	85826
20°	80116
25°	72725
30°	60716
35°	43988
40°	27536
45°	15741
50°	8199
55°	4605
60°	2924
65°	1744
70°	1293
75°	570
80°	849
85°	0



TEST NUMBER: P858275

CATALOG NUMBER: LD4C10W2N2050D010 4LBMH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	9.1
10°-20°	189.1	23.9
20°-30°	243.0	30.8
30°-40°	182.8	23.1
40°-50°	73.4	9.3
50°-60°	20.9	2.6
60°-70°	6.6	0.8
70°-80°	1.9	0.2
80°-90°	0.2	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°	504.2	63.8
0°-40°	687.0	87.0
0°-60°	781.3	98.9
0°-90°	790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	783	
5°	769	72
15°	675	189
25°	536	243
35°	293	183
45°	91	73
55°	22	21
65°	6	7
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P858275

CATALOG NUMBER: LD4C10W2N2050D010 4LBMH_4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	783.3
2.5°	778.6
5°	769.0
7.5°	751.1
10°	728.5
12.5°	701.1
15°	674.8
17.5°	645.0
20°	612.8
22.5°	578.3
25°	536.5
27.5°	486.4
30°	428.0
32.5°	362.4
35°	293.3
37.5°	228.9
40°	171.7
42.5°	126.4
45°	90.6
47.5°	62.0
50°	42.9
52.5°	29.8
55°	21.5
57.5°	15.5
60°	11.9
62.5°	8.3
65°	6.0
67.5°	4.8
70°	3.6
72.5°	2.4
75°	1.2
77.5°	1.2
80°	1.2
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)