

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: P858283

Luminaire Tested: **LD4C10W2N2050D010 4LBNH_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C10W2N2050D010 4LBNH_2000K
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

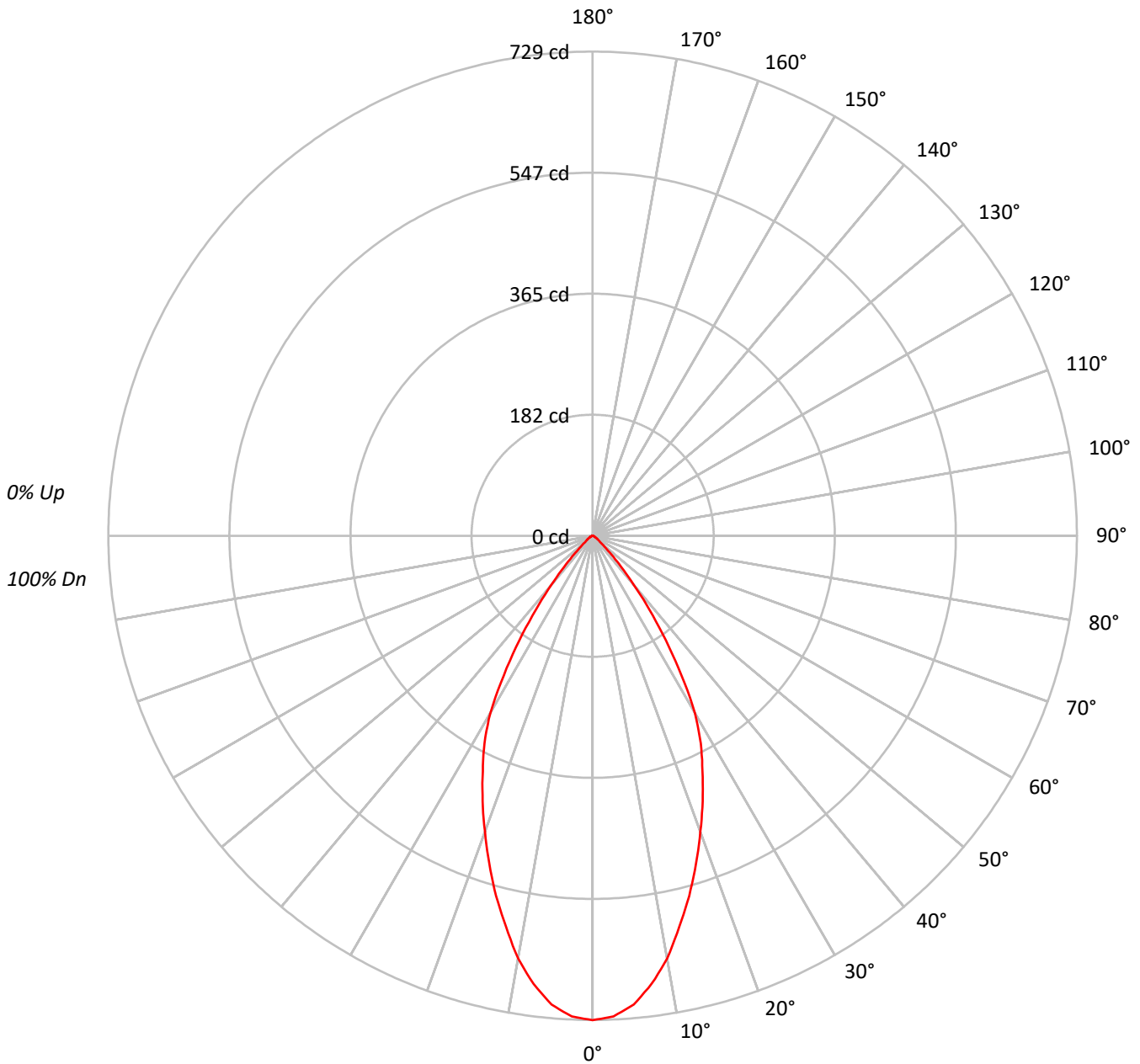
Lumens per Lamp: N/A
Luminaire Lumens: 569.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858283

CATALOG NUMBER: LD4C10W2N2050D010 4LBNH_2000K

Luminous Intensity Polar Plot





TEST NUMBER: P858283

CATALOG NUMBER: LD4C10W2N2050D010 4LBNH_2000K

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89609
5°	87387
10°	80638
15°	71390
20°	61983
25°	53015
30°	43707
35°	28780
40°	15476
45°	6845
50°	2771
55°	2013
60°	1278
65°	901
70°	754
75°	475
80°	707
85°	0



TEST NUMBER: P858283

CATALOG NUMBER: LD4C10W2N2050D010 4LBNH_2000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	11.5
10°-20°	156.4	27.5
20°-30°	179.2	31.5
30°-40°	120.4	21.2
40°-50°	34.4	6.0
50°-60°	8.4	1.5
60°-70°	3.2	0.6
70°-80°	1.2	0.2
80°-90°	0.1	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°	401.2	70.5
0°-40°	521.6	91.7
0°-60°	564.4	99.2
0°-90°	569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	569.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	729	
5°	709	66
15°	561	156
25°	391	179
35°	192	120
45°	39	34
55°	9	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P858283

CATALOG NUMBER: LD4C10W2N2050D010 4LBNH_2000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	729.4
2.5°	724.2
5°	708.6
7.5°	680.6
10°	646.4
12.5°	602.8
15°	561.3
17.5°	517.7
20°	474.1
22.5°	432.7
25°	391.1
27.5°	352.8
30°	308.1
32.5°	249.0
35°	191.9
37.5°	140.1
40°	96.5
42.5°	63.3
45°	39.4
47.5°	23.9
50°	14.5
52.5°	11.4
55°	9.4
57.5°	7.3
60°	5.2
62.5°	4.1
65°	3.1
67.5°	2.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
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)