

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: P858626

Luminaire Tested: **LD4C30W2N2050D010 4LBNLI_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30W2N2050D010 4LBNLI_2700K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBNLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

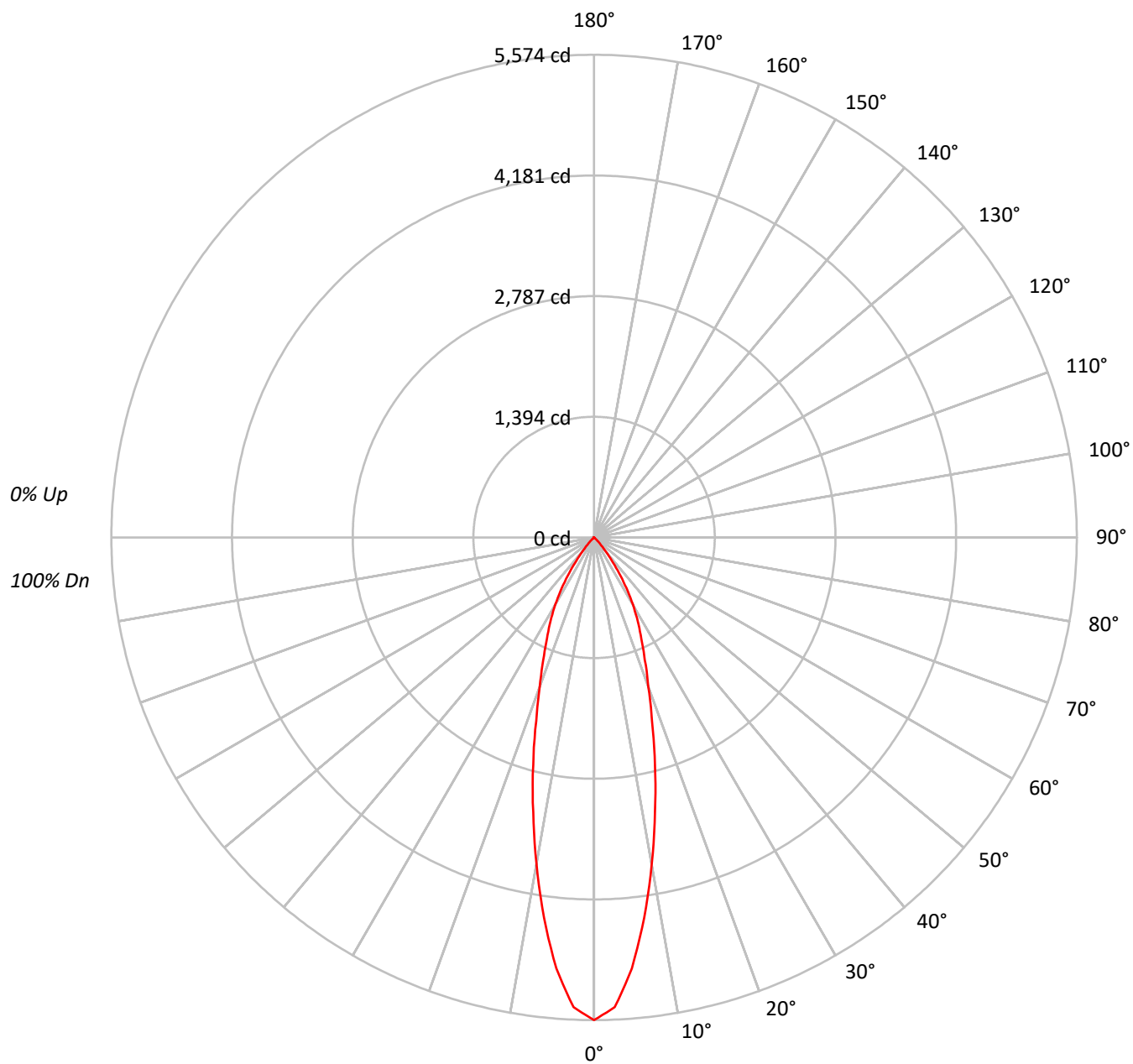
Lumens per Lamp: N/A
Luminaire Lumens: 2165.9 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.6
Input Voltage (V): NR
Input Current (Ain): 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: P858626

CATALOG NUMBER: LD4C30W2N2050D010 4LBNLI_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P858626

CATALOG NUMBER: LD4C30W2N2050D010 4LBNLI_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	109	105	102	99		107	103	100	98		100	98	95		97	95	93		95	93	92
3	105	99	95	92		103	98	94	91		95	92	89		93	90	88		91	89	87
4	101	94	89	86		99	93	88	85		91	87	84		89	86	83		87	84	82
5	96	89	84	80		95	88	84	80		87	82	79		85	81	79		83	80	78
6	92	85	80	76		91	84	79	76		83	78	75		81	78	75		80	77	74
7	89	81	76	72		88	80	75	72		79	75	71		78	74	71		77	73	71
8	85	77	72	68		84	77	72	68		76	71	68		75	71	68		74	70	67
9	82	74	69	65		81	73	68	65		72	68	65		72	68	65		71	67	64
10	79	71	66	62		78	70	65	62		69	65	62		69	65	62		68	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	684785
5°	616244
10°	477725
15°	345771
20°	239420
25°	174539
30°	126822
35°	75048
40°	31562
45°	9834
50°	1281
55°	707
60°	811
65°	959
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P858626

CATALOG NUMBER: LD4C30W2N2050D010 4LBNLI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.3	20.3
10°-20°	752.0	34.7
20°-30°	597.7	27.6
30°-40°	316.4	14.6
40°-50°	54.5	2.5
50°-60°	4.1	0.2
60°-70°	2.0	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	1789.0	82.6
0°-40°	2105.4	97.2
0°-60°	2163.9	99.9
0°-90°	2165.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2165.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5574	
5°	4997	439
15°	2719	752
25°	1288	598
35°	500	316
45°	57	54
55°	3	4
65°	3	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P858626

CATALOG NUMBER: LD4C30W2N2050D010 4LBNLI_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	5574.0
2.5°	5430.5
5°	4997.0
7.5°	4429.9
10°	3829.5
12.5°	3249.1
15°	2718.6
17.5°	2224.9
20°	1831.3
22.5°	1531.1
25°	1287.6
27.5°	1090.8
30°	894.0
32.5°	693.9
35°	500.4
37.5°	330.3
40°	196.8
42.5°	113.4
45°	56.6
47.5°	20.0
50°	6.7
52.5°	6.7
55°	3.3
57.5°	3.3
60°	3.3
62.5°	3.3
65°	3.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
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)