

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: P858614

Luminaire Tested: **LD4C30W2N2050D010 4LBMLI_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30W2N2050D010 4LBMLI_2700K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

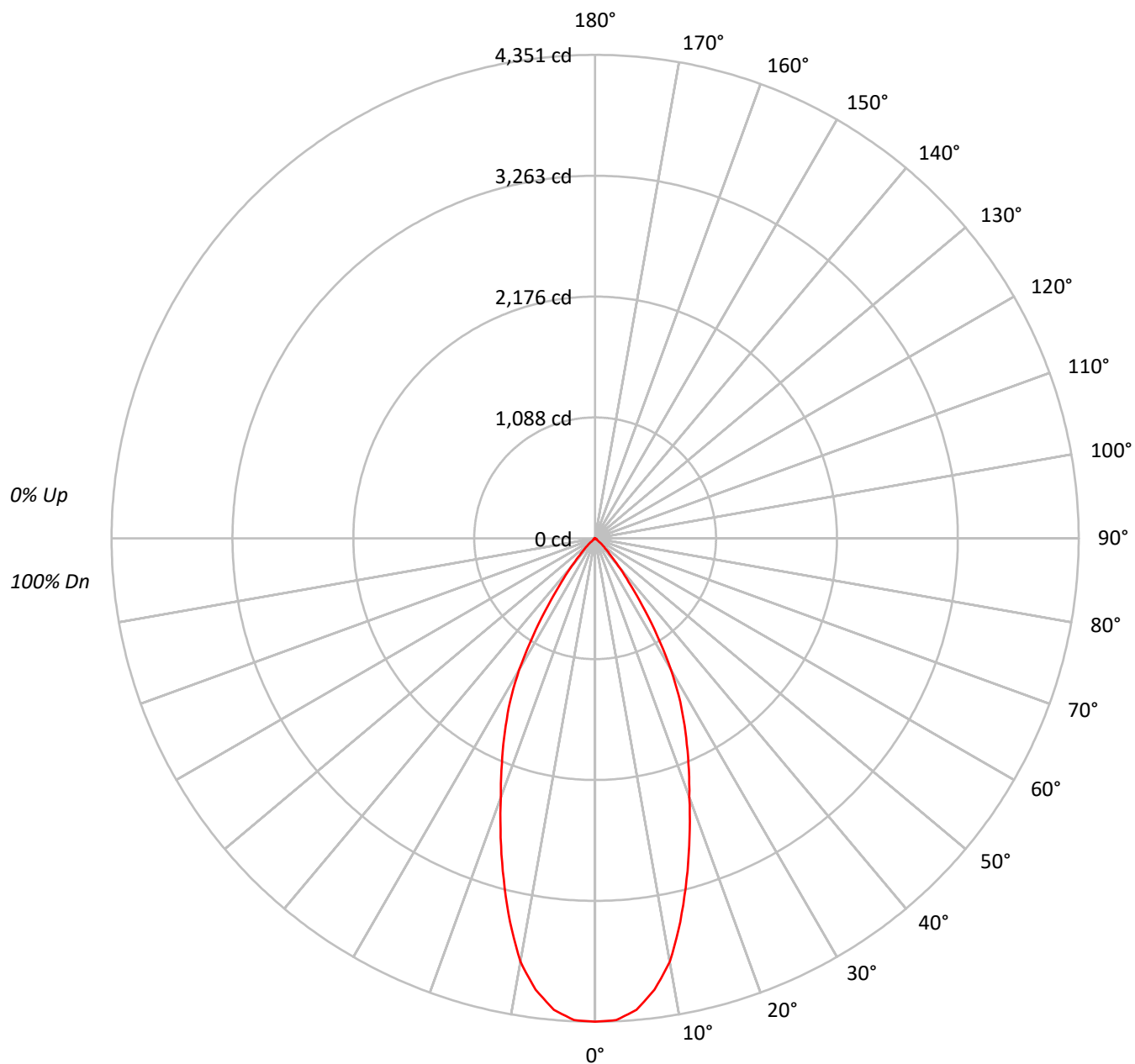
Lumens per Lamp: N/A
Luminaire Lumens: 2760.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858614

CATALOG NUMBER: LD4C30W2N2050D010 4LBMLI_2700K

Luminous Intensity Polar Plot





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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	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	71
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	64		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		67	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		64	60	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	534535
5°	525454
10°	482802
15°	404316
20°	323929
25°	260277
30°	193751
35°	110683
40°	51945
45°	22065
50°	7014
55°	3577
60°	2457
65°	1948
70°	1185
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.9	14.3
10°-20°	880.7	31.9
20°-30°	875.7	31.7
30°-40°	476.8	17.3
40°-50°	110.2	4.0
50°-60°	15.5	0.6
60°-70°	5.8	0.2
70°-80°	1.3	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°	2150.3	77.9
0°-40°	2627.2	95.2
0°-60°	2752.9	99.7
0°-90°	2760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2760.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4351	
5°	4261	394
15°	3179	881
25°	1920	876
35°	738	477
45°	127	110
55°	17	16
65°	7	6
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4351.0
2.5°	4340.9
5°	4260.8
7.5°	4097.2
10°	3870.2
12.5°	3536.3
15°	3178.9
17.5°	2825.0
20°	2477.7
22.5°	2193.9
25°	1920.1
27.5°	1659.6
30°	1365.8
32.5°	1038.5
35°	738.0
37.5°	497.5
40°	323.9
42.5°	203.6
45°	127.0
47.5°	73.5
50°	36.7
52.5°	20.0
55°	16.7
57.5°	10.0
60°	10.0
62.5°	6.7
65°	6.7
67.5°	3.3
70°	3.3
72.5°	3.3
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)