

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: P858618

Luminaire Tested: **LD4C30W2N2050D010 4LBMLI_5000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858618
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_5000K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, W2N2050 LEDS
AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

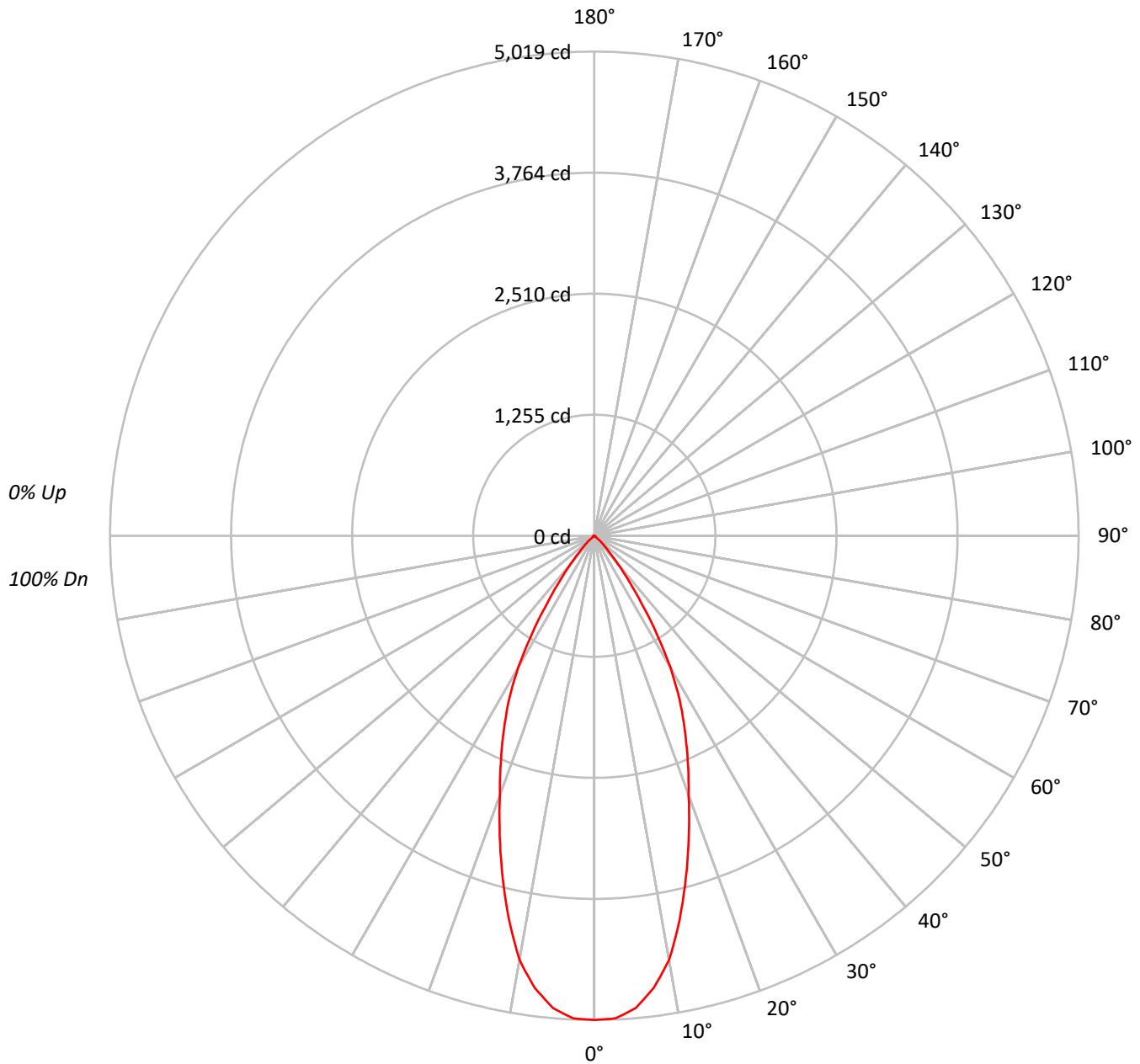
Lumens per Lamp: N/A
Luminaire Lumens: 3184.1 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858618

CATALOG NUMBER: LD4C30W2N2050D010 4LBMLI_5000K

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					0
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°	616651
5°	606168
10°	556965
15°	466434
20°	373688
25°	300252
30°	223513
35°	127690
40°	59932
45°	25453
50°	8104
55°	4134
60°	2850
65°	2238
70°	1401
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.5	14.3
10°-20°	1016.0	31.9
20°-30°	1010.2	31.7
30°-40°	550.1	17.3
40°-50°	127.2	4.0
50°-60°	17.9	0.6
60°-70°	6.7	0.2
70°-80°	1.5	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°	2480.7	77.9
0°-40°	3030.8	95.2
0°-60°	3175.9	99.7
0°-90°	3184.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3184.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5019	
5°	4915	454
15°	3667	1016
25°	2215	1010
35°	851	550
45°	146	127
55°	19	18
65°	8	7
75°	0	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5019.4
2.5°	5007.8
5°	4915.3
7.5°	4726.6
10°	4464.7
12.5°	4079.5
15°	3667.3
17.5°	3258.9
20°	2858.3
22.5°	2530.9
25°	2215.0
27.5°	1914.6
30°	1575.6
32.5°	1198.1
35°	851.4
37.5°	573.9
40°	373.7
42.5°	234.9
45°	146.5
47.5°	84.8
50°	42.4
52.5°	23.1
55°	19.3
57.5°	11.6
60°	11.6
62.5°	7.7
65°	7.7
67.5°	3.9
70°	3.9
72.5°	3.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)