

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: P858613

Luminaire Tested: **LD4C30W2N2050D010 4LBMLI_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858613
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_2000K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS
AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

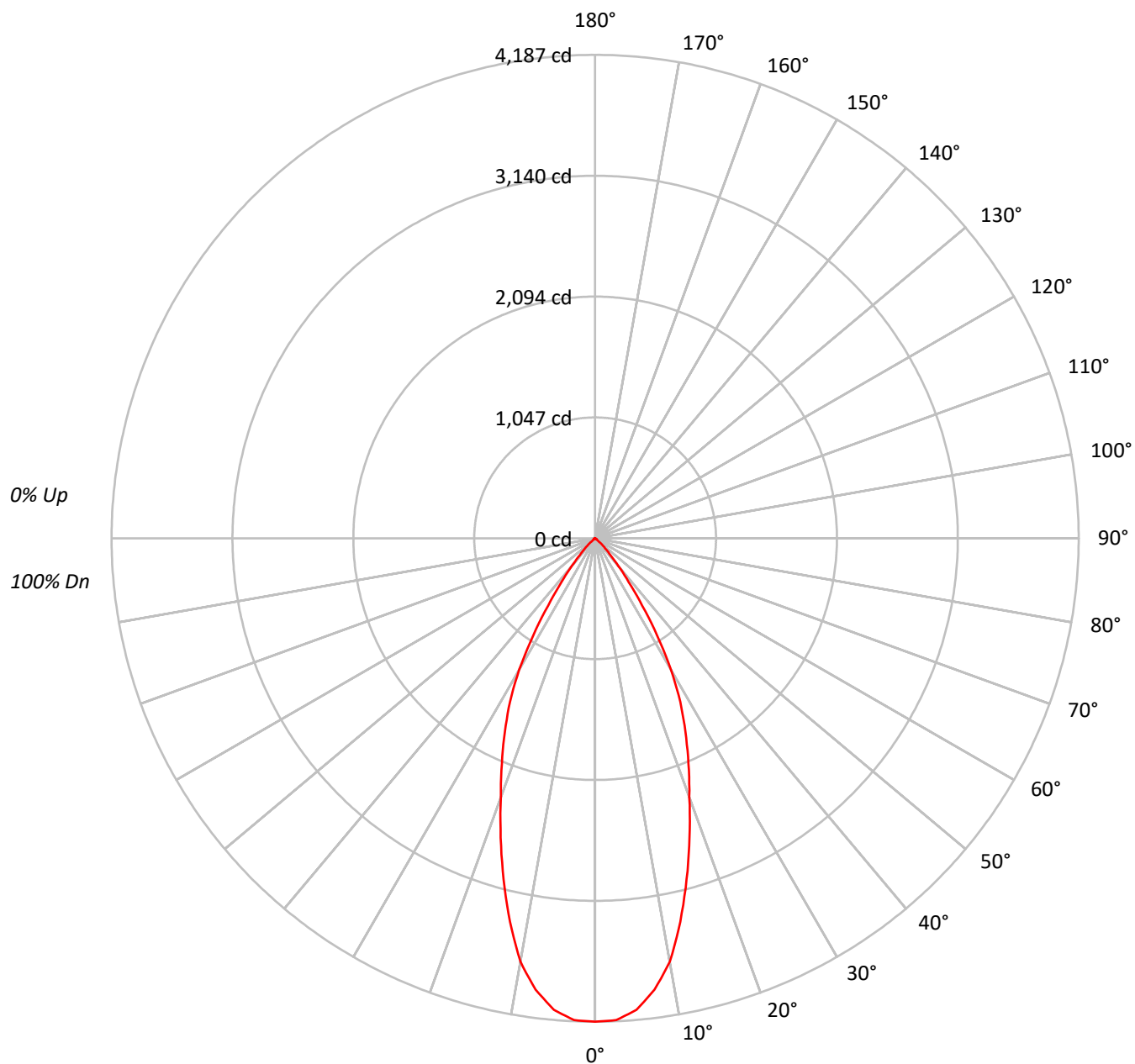
Lumens per Lamp: N/A
Luminaire Lumens: 2656.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	114	111	109	107	111	109	107	105		105	103	102			101	100	99			94
2	109	104	100	97	107	102	99	96		99	96	94			96	94	92			88
3	104	98	93	89	102	96	92	89		94	90	87			91	88	86			83
4	99	92	87	83	97	91	86	82		89	85	81			87	83	80			78
5	94	87	81	77	93	86	81	77		84	79	76			82	78	75			73
6	90	82	76	72	89	81	76	72		80	75	71			78	74	71			69
7	86	77	72	68	85	77	71	68		75	71	67			74	70	67			65
8	82	73	68	64	81	73	67	64		72	67	64			71	66	63			62
9	79	70	64	60	78	69	64	60		68	63	60			67	63	60			58
10	75	66	61	57	74	66	61	57		65	60	57			64	60	57			56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	514388
5°	505648
10°	464614
15°	389091
20°	311718
25°	250463
30°	186445
35°	106513
40°	49989
45°	21231
50°	6766
55°	3448
60°	2359
65°	1860
70°	1149
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.1	14.3
10°-20°	847.5	31.9
20°-30°	842.6	31.7
30°-40°	458.9	17.3
40°-50°	106.1	4.0
50°-60°	14.9	0.6
60°-70°	5.5	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°	2069.3	77.9
0°-40°	2528.2	95.2
0°-60°	2649.2	99.7
0°-90°	2656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4187	
5°	4100	379
15°	3059	848
25°	1848	843
35°	710	459
45°	122	106
55°	16	15
65°	6	6
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4187.0
2.5°	4177.4
5°	4100.2
7.5°	3942.8
10°	3724.4
12.5°	3403.0
15°	3059.2
17.5°	2718.5
20°	2384.3
22.5°	2111.2
25°	1847.7
27.5°	1597.1
30°	1314.3
32.5°	999.4
35°	710.2
37.5°	478.7
40°	311.7
42.5°	196.0
45°	122.2
47.5°	70.7
50°	35.4
52.5°	19.3
55°	16.1
57.5°	9.6
60°	9.6
62.5°	6.4
65°	6.4
67.5°	3.2
70°	3.2
72.5°	3.2
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)