

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: P857594

Luminaire Tested: **LD4C30D010 EU4309050 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P857594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER
Issue Date: 7/19/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30D010 EU4309050 4LBMLI
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

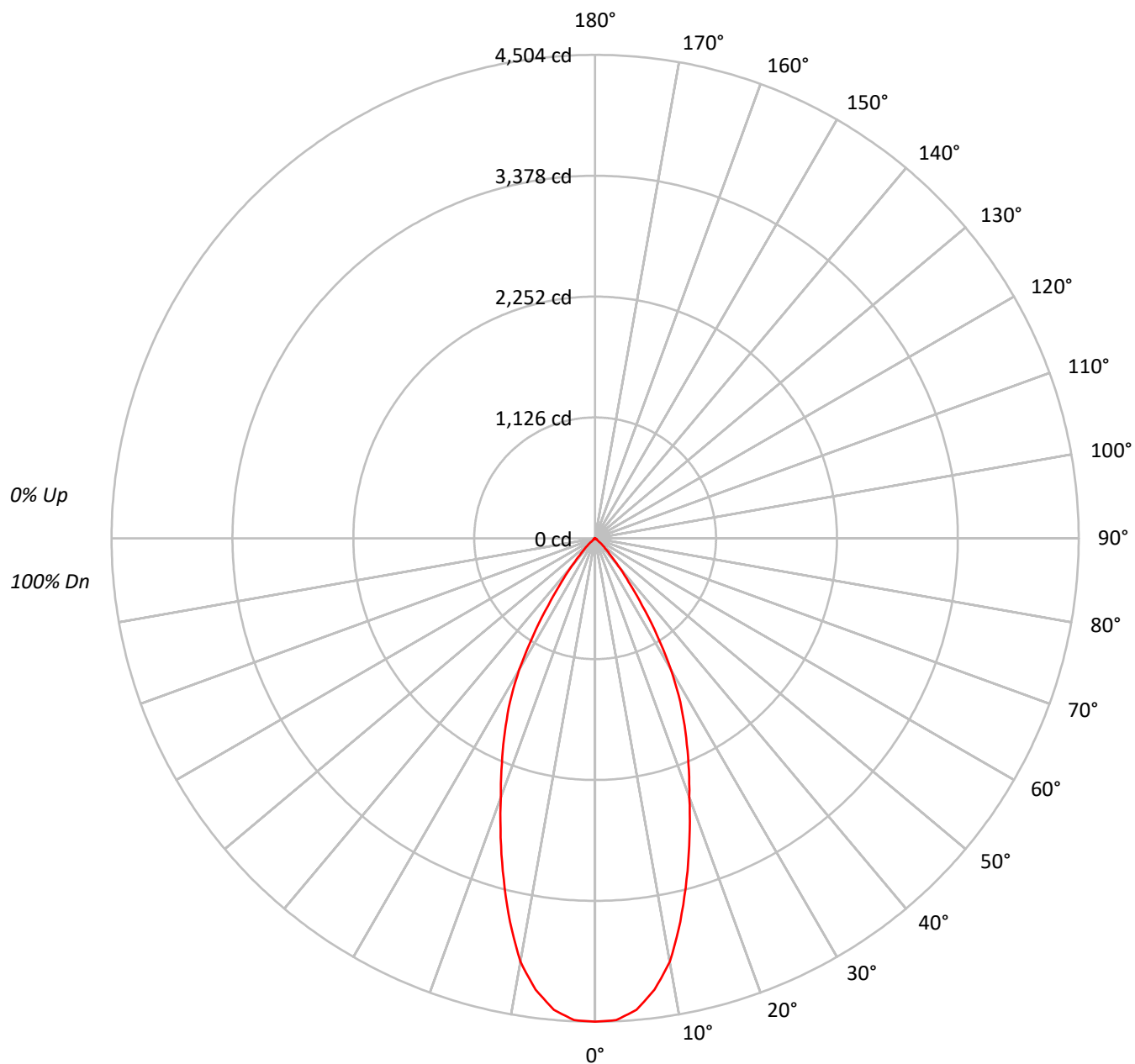
Lumens per Lamp: N/A
Luminaire Lumens: 2857.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V):
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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	79	76		82	78	75		81
6	90	82	76	72	89	81	76	72	80	75	71		78	74	71		77
7	86	77	72	68	85	77	71	68	75	71	67		74	70	67		73
8	82	73	68	64	81	73	67	64	72	67	64		71	66	63		70
9	79	70	64	60	78	69	64	60	68	63	60		67	63	60		67
10	75	66	61	57	74	66	61	57	65	60	57		64	60	57		64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	553320
5°	543915
10°	499768
15°	418535
20°	335317
25°	269413
30°	200560
35°	114582
40°	53773
45°	22830
50°	7263
55°	3705
60°	2555
65°	2006
70°	1257
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.8	14.3
10°-20°	911.7	31.9
20°-30°	906.4	31.7
30°-40°	493.6	17.3
40°-50°	114.1	4.0
50°-60°	16.1	0.6
60°-70°	6.0	0.2
70°-80°	1.4	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°	2225.9	77.9
0°-40°	2719.5	95.2
0°-60°	2849.7	99.7
0°-90°	2857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2857.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4504	
5°	4410	408
15°	3291	912
25°	1988	906
35°	764	494
45°	131	114
55°	17	16
65°	7	6
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4503.9
2.5°	4493.5
5°	4410.5
7.5°	4241.2
10°	4006.2
12.5°	3660.5
15°	3290.7
17.5°	2924.3
20°	2564.8
22.5°	2271.0
25°	1987.5
27.5°	1718.0
30°	1413.8
32.5°	1075.0
35°	764.0
37.5°	515.0
40°	335.3
42.5°	210.8
45°	131.4
47.5°	76.1
50°	38.0
52.5°	20.7
55°	17.3
57.5°	10.4
60°	10.4
62.5°	6.9
65°	6.9
67.5°	3.5
70°	3.5
72.5°	3.5
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)