

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: P856929

Luminaire Tested: **LD4C15D010 EU4159030 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P856929
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: LD4C15D010 EU4159030 4LBMLI
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

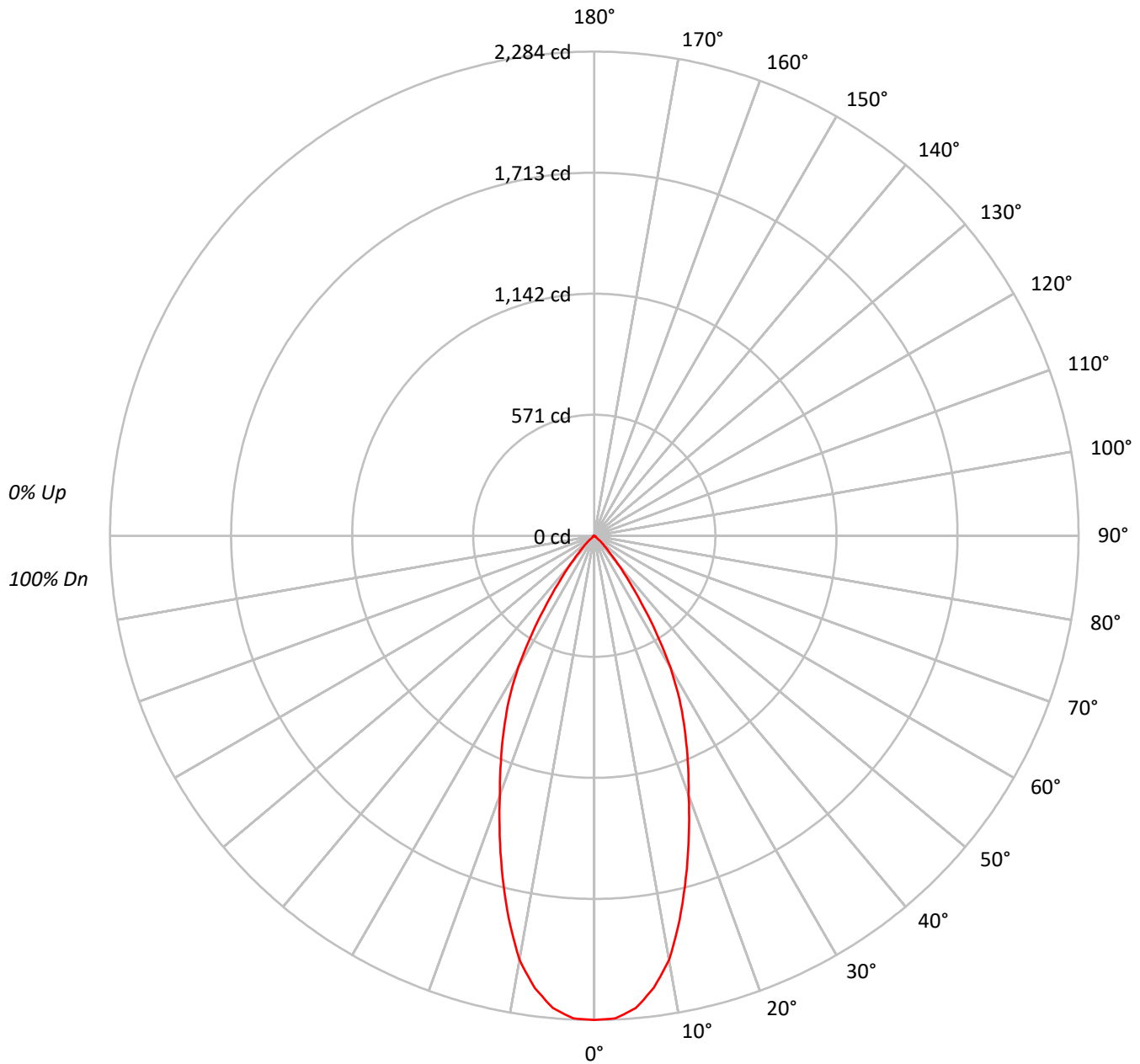
Lumens per Lamp: N/A
Luminaire Lumens: 1449.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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

TEST NUMBER: P856929

CATALOG NUMBER: LD4C15D010 EU4159030 4LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P856929

CATALOG NUMBER: LD4C15D010 EU4159030 4LBMLI

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°	280634
5°	275861
10°	253477
15°	212263
20°	170064
25°	136638
30°	101713
35°	58116
40°	27280
45°	11571
50°	3689
55°	1885
60°	1302
65°	1017
70°	647
75°	0
80°	0
85°	0



TEST NUMBER: P856929

CATALOG NUMBER: LD4C15D010 EU4159030 4LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.8	14.3
10°-20°	462.4	31.9
20°-30°	459.7	31.7
30°-40°	250.4	17.3
40°-50°	57.9	4.0
50°-60°	8.2	0.6
60°-70°	3.0	0.2
70°-80°	0.7	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°	1128.9	77.9
0°-40°	1379.3	95.2
0°-60°	1445.3	99.7
0°-90°	1449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2284	
5°	2237	207
15°	1669	462
25°	1008	460
35°	388	250
45°	67	58
55°	9	8
65°	4	3
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P856929

CATALOG NUMBER: LD4C15D010 EU4159030 4LBMLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2284.3
2.5°	2279.0
5°	2236.9
7.5°	2151.0
10°	2031.9
12.5°	1856.5
15°	1668.9
17.5°	1483.1
20°	1300.8
22.5°	1151.8
25°	1008.0
27.5°	871.3
30°	717.0
32.5°	545.2
35°	387.5
37.5°	261.2
40°	170.1
42.5°	106.9
45°	66.6
47.5°	38.6
50°	19.3
52.5°	10.5
55°	8.8
57.5°	5.3
60°	5.3
62.5°	3.5
65°	3.5
67.5°	1.8
70°	1.8
72.5°	1.8
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)