

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: P857930

Luminaire Tested: **LD4C40D010 EU4409035 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P857930
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: LD4C40D010 EU4409035 4LBMLI
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

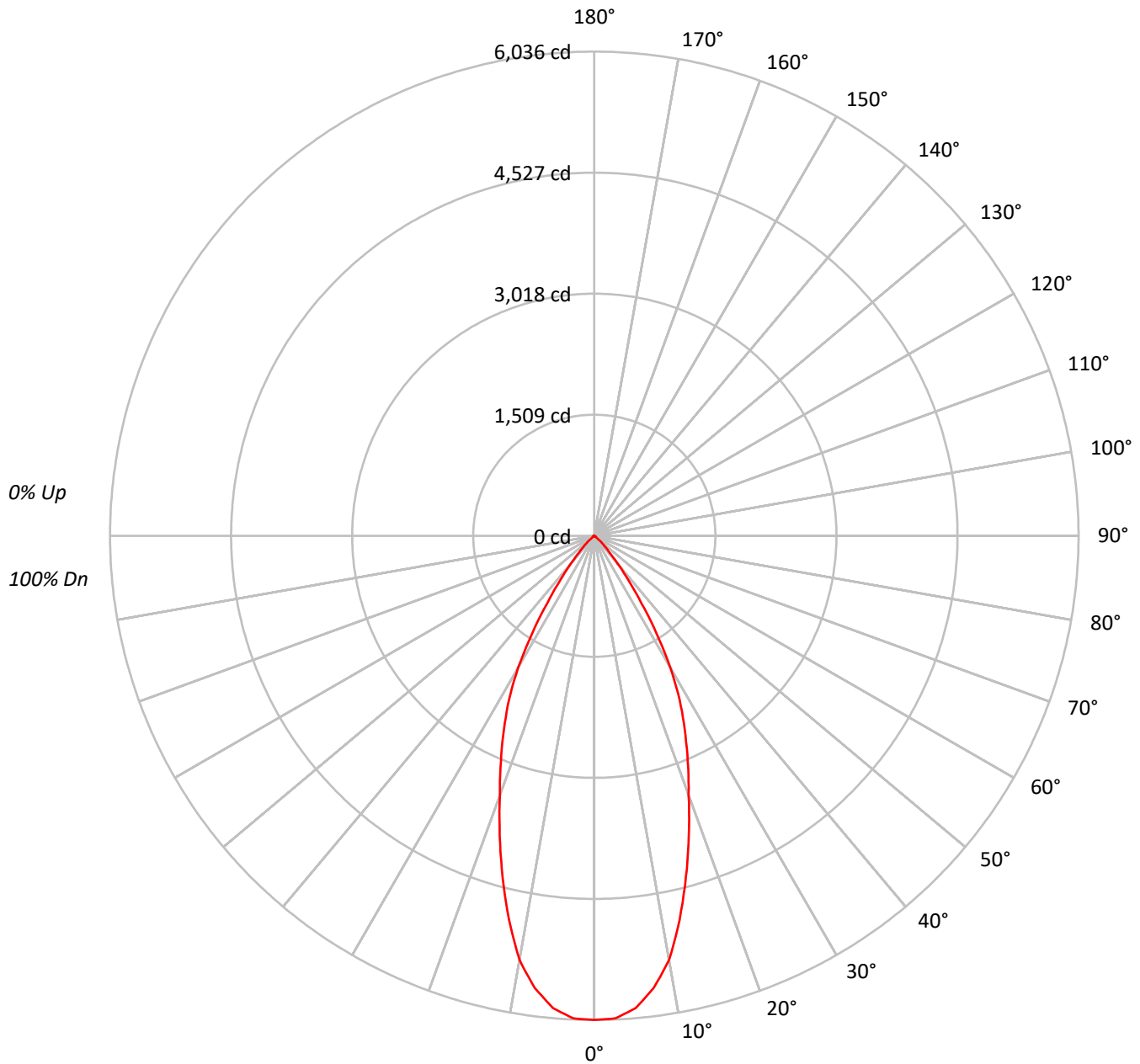
Lumens per Lamp: N/A
Luminaire Lumens: 3829.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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: P857930

CATALOG NUMBER: LD4C40D010 EU4409035 4LBMLI

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°	741568
5°	728961
10°	669801
15°	560921
20°	449386
25°	361075
30°	268794
35°	153561
40°	72072
45°	30596
50°	9747
55°	4969
60°	3415
65°	2703
70°	1652
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.5	14.3
10°-20°	1221.9	31.9
20°-30°	1214.8	31.7
30°-40°	661.6	17.3
40°-50°	152.9	4.0
50°-60°	21.5	0.6
60°-70°	8.0	0.2
70°-80°	1.8	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°	2983.2	77.9
0°-40°	3644.7	95.2
0°-60°	3819.2	99.7
0°-90°	3829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3829.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6036	
5°	5911	547
15°	4410	1222
25°	2664	1215
35°	1024	662
45°	176	153
55°	23	22
65°	9	8
75°	0	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6036.2
2.5°	6022.3
5°	5911.0
7.5°	5684.1
10°	5369.2
12.5°	4905.9
15°	4410.2
17.5°	3919.1
20°	3437.3
22.5°	3043.6
25°	2663.7
27.5°	2302.4
30°	1894.8
32.5°	1440.8
35°	1023.9
37.5°	690.2
40°	449.4
42.5°	282.5
45°	176.1
47.5°	102.0
50°	51.0
52.5°	27.8
55°	23.2
57.5°	13.9
60°	13.9
62.5°	9.3
65°	9.3
67.5°	4.6
70°	4.6
72.5°	4.6
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)