

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: P855853

Luminaire Tested: **LD4C75D010 EU4759030 4LBMLI**

Issue Date: 7/19/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P855853
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: LD4C75D010 EU4759030 4LBMLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

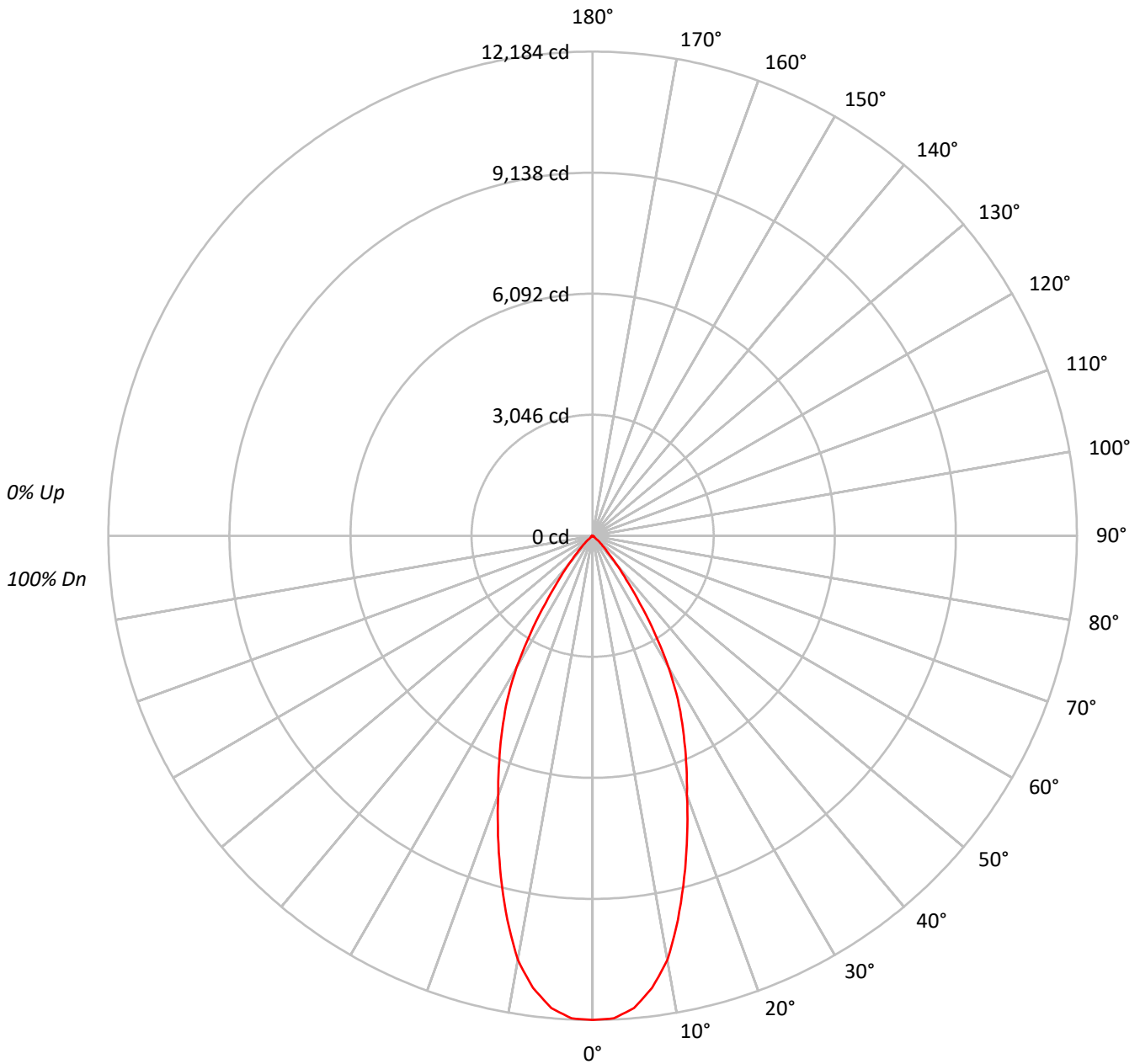
Lumens per Lamp: N/A
Luminaire Lumens: 7729.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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: P855853

CATALOG NUMBER: LD4C75D010 EU4759030 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73	73	73	73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69	69	69	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65	65	65	65
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62	62	62	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58	58	58	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56	56	56	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1496884
5°	1471450
10°	1352014
15°	1132247
20°	907112
25°	728859
30°	542568
35°	309956
40°	145475
45°	61765
50°	19667
55°	10024
60°	6904
65°	5436
70°	3376
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1103.2	14.3
10°-20°	2466.4	31.9
20°-30°	2452.1	31.7
30°-40°	1335.4	17.3
40°-50°	308.7	4.0
50°-60°	43.5	0.6
60°-70°	16.1	0.2
70°-80°	3.7	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°	6021.7	77.9
0°-40°	7357.1	95.2
0°-60°	7709.2	99.7
0°-90°	7729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7729.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12184	
5°	11932	###
15°	8902	2466
25°	5377	2452
35°	2067	1335
45°	356	309
55°	47	43
65°	19	16
75°	0	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12184.3
2.5°	12156.2
5°	11931.7
7.5°	11473.7
10°	10837.9
12.5°	9902.8
15°	8902.2
17.5°	7910.9
20°	6938.4
22.5°	6143.6
25°	5376.9
27.5°	4647.6
30°	3824.7
32.5°	2908.3
35°	2066.7
37.5°	1393.1
40°	907.1
42.5°	570.3
45°	355.5
47.5°	205.8
50°	102.9
52.5°	56.1
55°	46.8
57.5°	28.1
60°	28.1
62.5°	18.7
65°	18.7
67.5°	9.4
70°	9.4
72.5°	9.4
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)