

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: P859553

Luminaire Tested: **LD4C75D010 EU4759030 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P859553
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: -

Summary

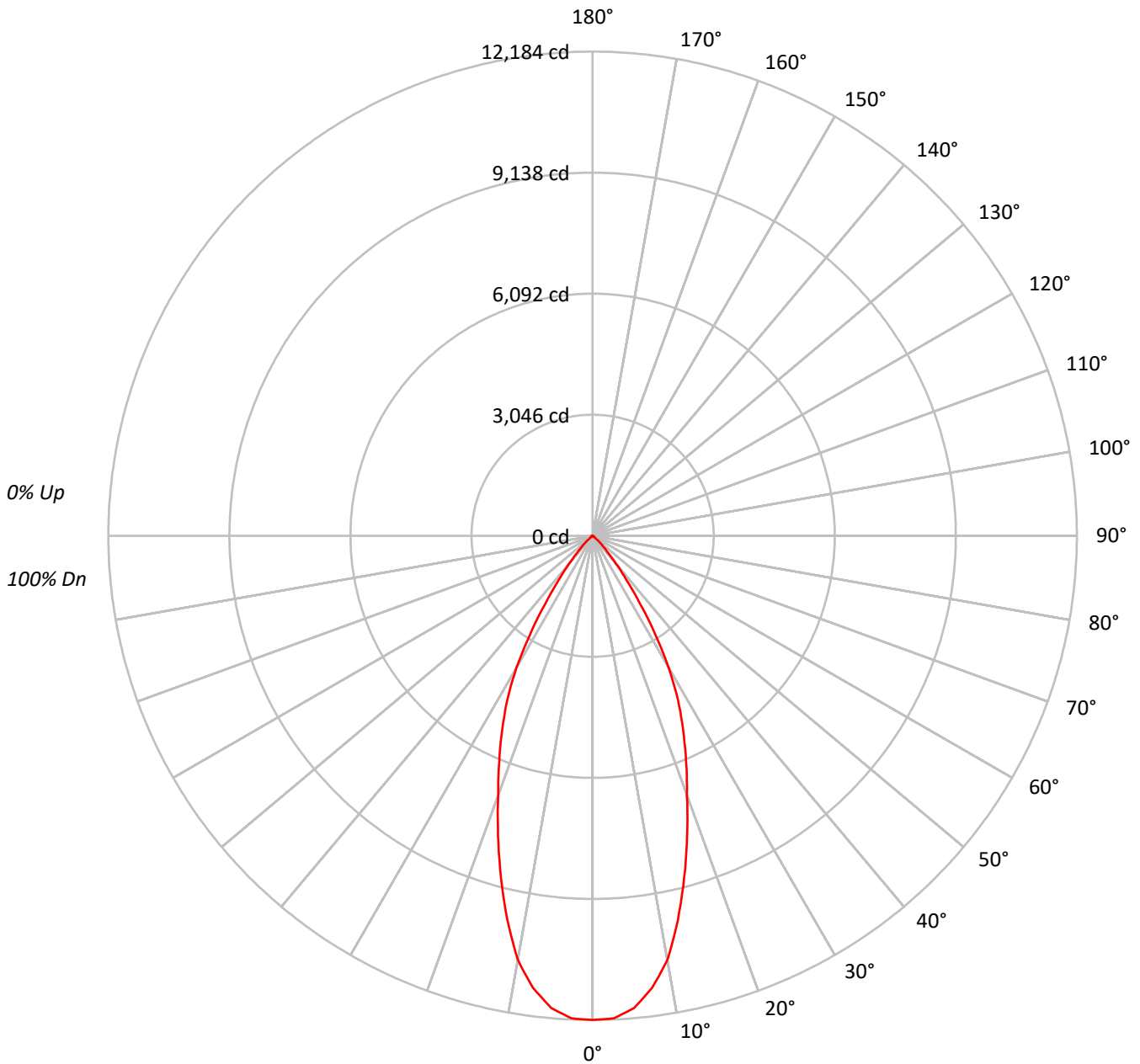
Lumens per Lamp: N/A
Luminaire Lumens: 7729.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (A_{in}): 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: P859553

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