

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: P856763

Luminaire Tested: **LD4C10D010 EU4109040 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P856763
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: LD4C10D010 EU4109040 4LBMLI
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

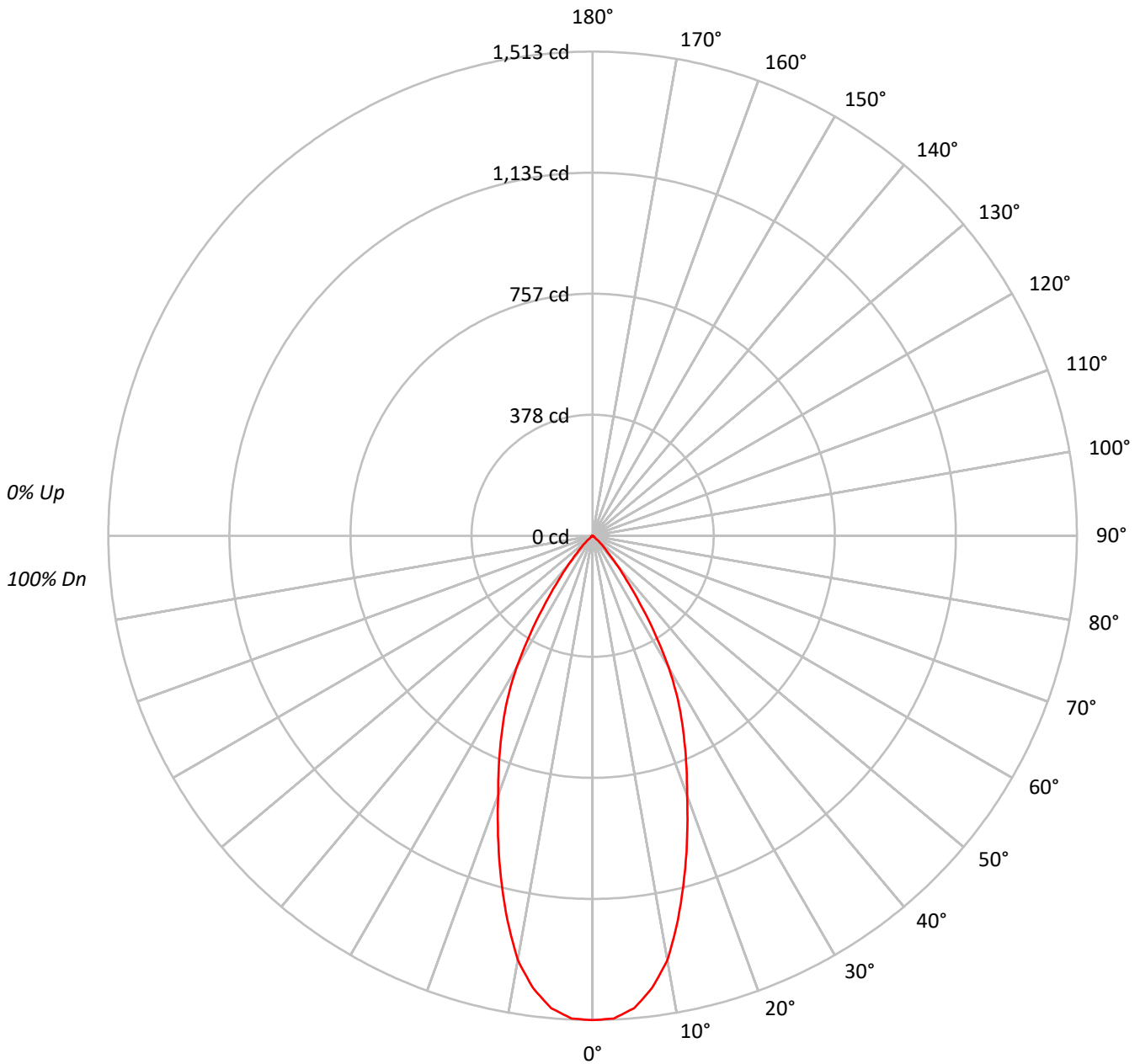
Lumens per Lamp: N/A
Luminaire Lumens: 960.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	185926
5°	182764
10°	167937
15°	140631
20°	112670
25°	90523
30°	67397
35°	38499
40°	18074
45°	7679
50°	2446
55°	1242
60°	860
65°	669
70°	431
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	14.3
10°-20°	306.3	31.9
20°-30°	304.6	31.7
30°-40°	165.9	17.3
40°-50°	38.4	4.0
50°-60°	5.4	0.6
60°-70°	2.0	0.2
70°-80°	0.5	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°	747.9	77.9
0°-40°	913.8	95.2
0°-60°	957.6	99.7
0°-90°	960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1513	
5°	1482	137
15°	1106	306
25°	668	305
35°	257	166
45°	44	38
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1513.4
2.5°	1509.9
5°	1482.0
7.5°	1425.1
10°	1346.2
12.5°	1230.0
15°	1105.7
17.5°	982.6
20°	861.8
22.5°	763.1
25°	667.8
27.5°	577.3
30°	475.1
32.5°	361.2
35°	256.7
37.5°	173.0
40°	112.7
42.5°	70.8
45°	44.2
47.5°	25.6
50°	12.8
52.5°	7.0
55°	5.8
57.5°	3.5
60°	3.5
62.5°	2.3
65°	2.3
67.5°	1.2
70°	1.2
72.5°	1.2
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)