

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: P857205

Luminaire Tested: **LD4C20D010 EU4209050 4LBMLI**

Issue Date: 7/19/2024

Test Information

Test Method: LM-79-08
Report Number: P857205
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: LD4C20D010 EU4209050 4LBMLI
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

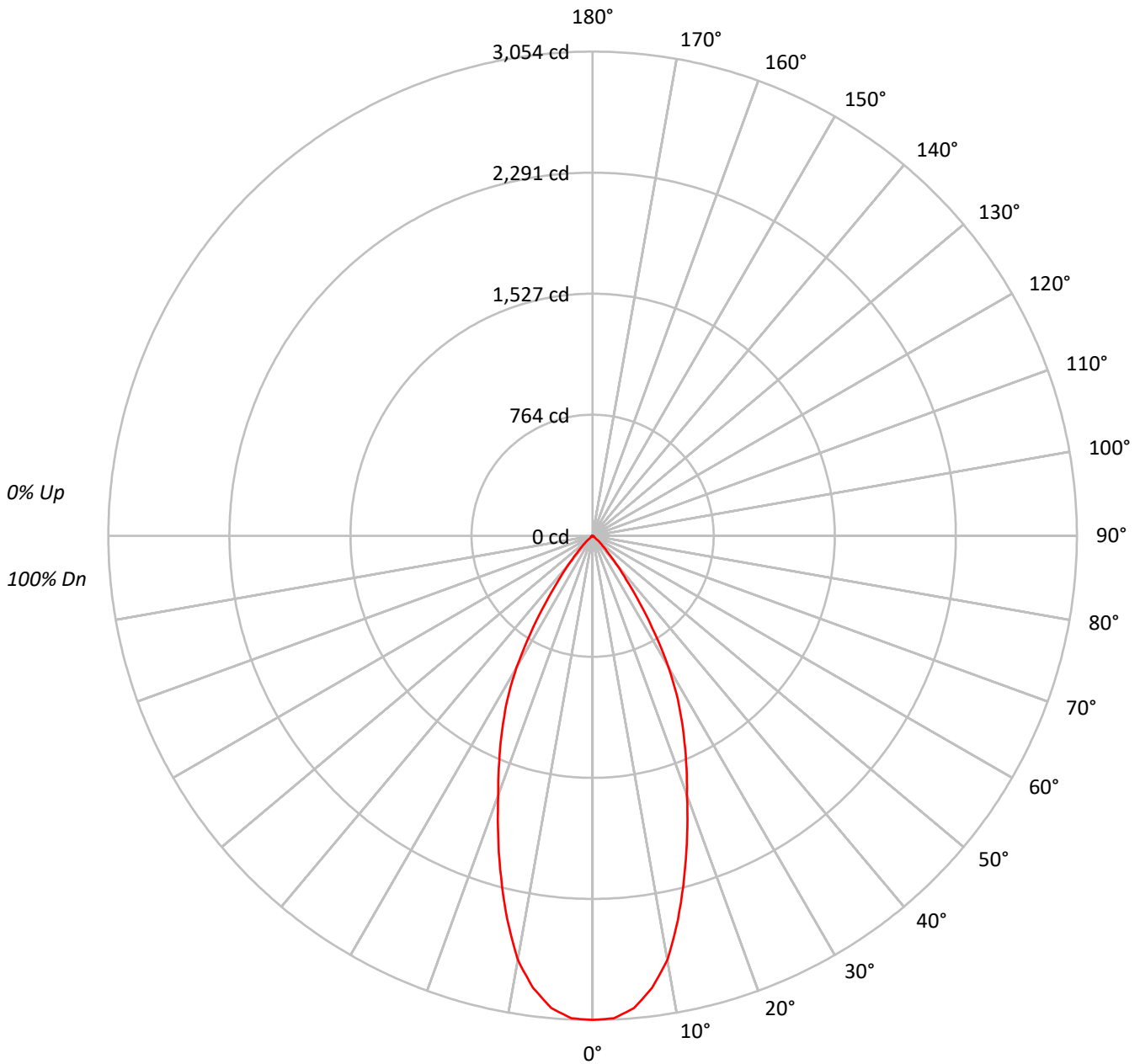
Lumens per Lamp: N/A
Luminaire Lumens: 1936.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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	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°	375145
5°	368772
10°	338830
15°	283755
20°	227340
25°	182659
30°	135972
35°	77673
40°	36453
45°	15480
50°	4931
55°	2506
60°	1720
65°	1366
70°	826
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	14.3
10°-20°	618.1	31.9
20°-30°	614.5	31.7
30°-40°	334.7	17.3
40°-50°	77.4	4.0
50°-60°	10.9	0.6
60°-70°	4.0	0.2
70°-80°	0.9	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°	1509.1	77.9
0°-40°	1843.8	95.2
0°-60°	1932.0	99.7
0°-90°	1936.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1936.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3054	
5°	2990	276
15°	2231	618
25°	1348	615
35°	518	335
45°	89	77
55°	12	11
65°	5	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3053.6
2.5°	3046.5
5°	2990.3
7.5°	2875.5
10°	2716.1
12.5°	2481.8
15°	2231.0
17.5°	1982.6
20°	1738.9
22.5°	1539.7
25°	1347.5
27.5°	1164.7
30°	958.5
32.5°	728.9
35°	517.9
37.5°	349.1
40°	227.3
42.5°	142.9
45°	89.1
47.5°	51.6
50°	25.8
52.5°	14.1
55°	11.7
57.5°	7.0
60°	7.0
62.5°	4.7
65°	4.7
67.5°	2.3
70°	2.3
72.5°	2.3
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)