

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: P858447

Luminaire Tested: **LD4C20W2N2050D010 4LBMLI_3000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C20W2N2050D010 4LBMLI_3000K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2050 LEDS
AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

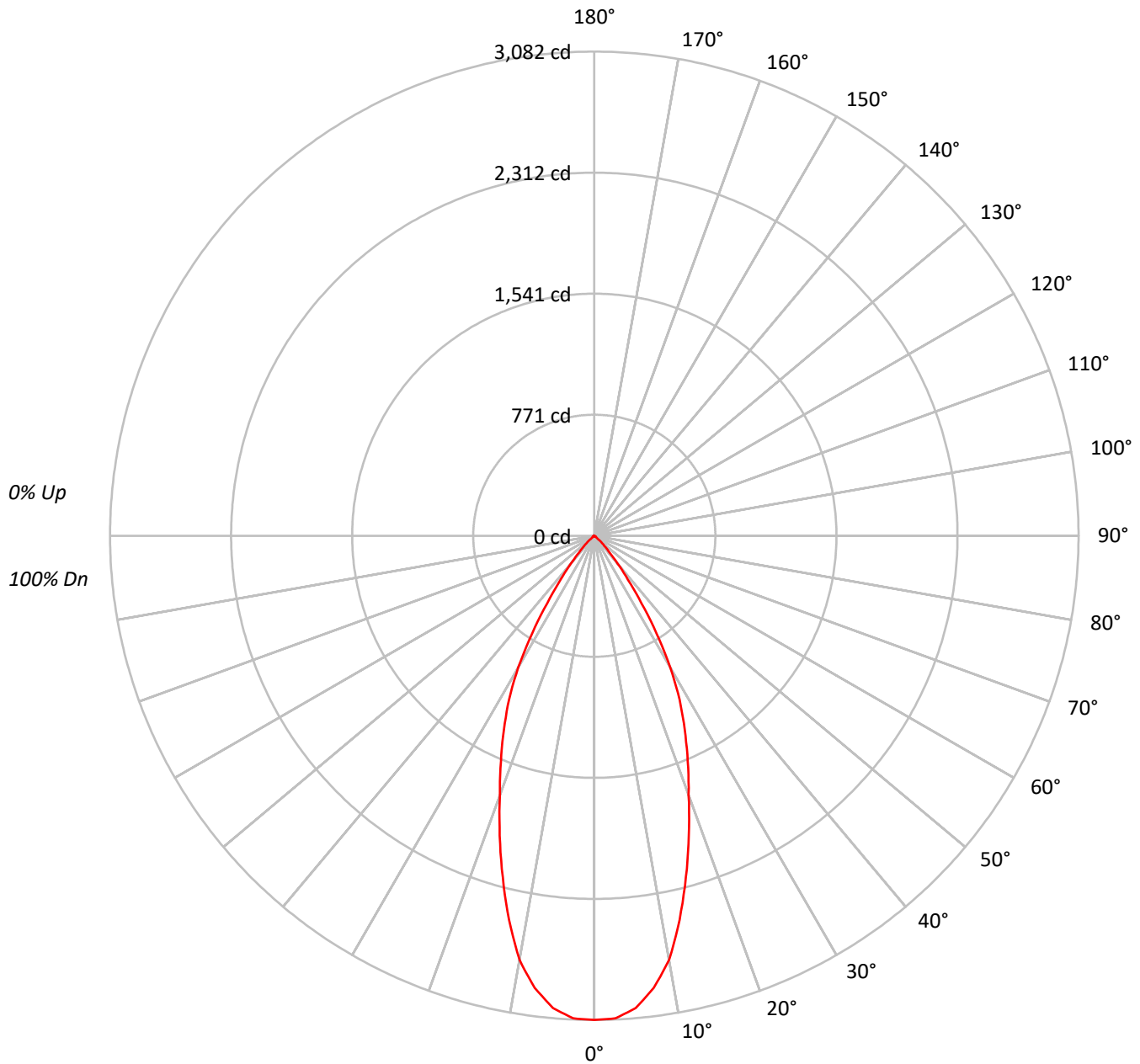
Lumens per Lamp: N/A
Luminaire Lumens: 1955.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 25.4
Input Voltage (V): NR
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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	378622
5°	372188
10°	341986
15°	286400
20°	229445
25°	184353
30°	137234
35°	78408
40°	36790
45°	15619
50°	4969
55°	2527
60°	1745
65°	1366
70°	862
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	14.3
10°-20°	623.9	31.9
20°-30°	620.2	31.7
30°-40°	337.8	17.3
40°-50°	78.1	4.0
50°-60°	11.0	0.6
60°-70°	4.1	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°	1523.2	77.9
0°-40°	1860.9	95.2
0°-60°	1950.0	99.7
0°-90°	1955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3082	
5°	3018	279
15°	2252	624
25°	1360	620
35°	523	338
45°	90	78
55°	12	11
65°	5	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3081.9
2.5°	3074.8
5°	3018.0
7.5°	2902.2
10°	2741.4
12.5°	2504.9
15°	2251.8
17.5°	2001.0
20°	1755.0
22.5°	1554.0
25°	1360.0
27.5°	1175.6
30°	967.4
32.5°	735.6
35°	522.8
37.5°	352.4
40°	229.4
42.5°	144.2
45°	89.9
47.5°	52.1
50°	26.0
52.5°	14.2
55°	11.8
57.5°	7.1
60°	7.1
62.5°	4.7
65°	4.7
67.5°	2.4
70°	2.4
72.5°	2.4
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)