

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: P858480

Luminaire Tested: **LD4C20W2N2050D010 4LBWLI_5000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C20W2N2050D010 4LBWLI_5000K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, W2N2050 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

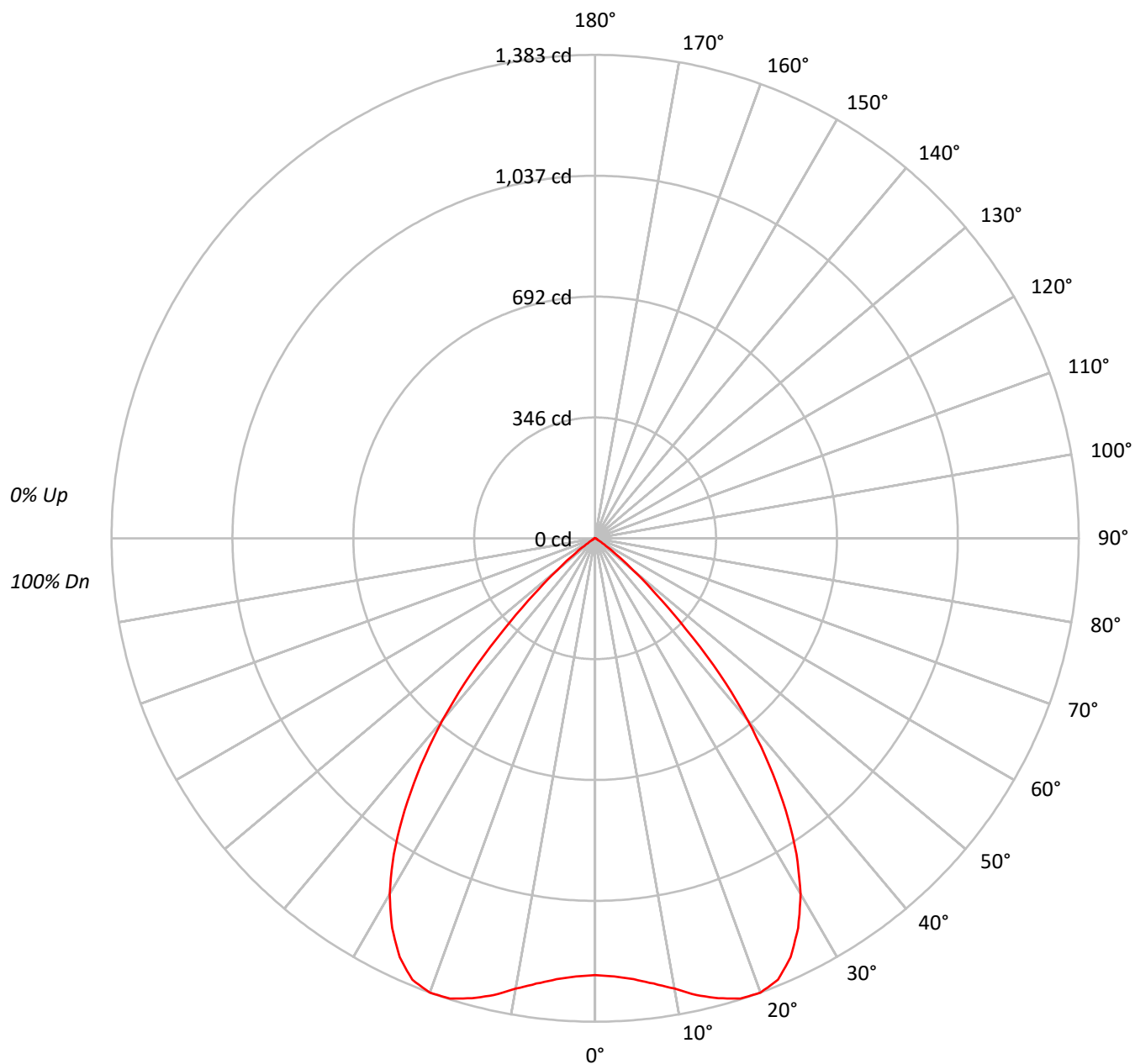
Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	107	105	110	108	105	103		104	102	100			100	98	97			96
2	106	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	100	93	87	83	98	92	86	82		89	85	81			86	83	80			84
4	94	86	79	75	92	84	79	74		82	77	73			80	76	72			78
5	88	79	72	68	87	78	72	67		76	71	67			74	70	66			73
6	83	73	66	62	82	72	66	61		71	65	61			69	64	60			68
7	78	68	61	56	77	67	61	56		66	60	56			64	59	55			63
8	74	63	56	52	72	62	56	51		61	55	51			60	55	51			59
9	69	59	52	48	68	58	52	47		57	51	47			56	51	47			55
10	66	55	48	44	65	54	48	44		53	48	44			53	47	44			52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	153555
5°	156164
10°	163221
15°	173242
20°	180824
25°	179256
30°	166698
35°	142613
40°	108653
45°	63728
50°	27235
55°	8011
60°	2310
65°	1366
70°	826
75°	1092
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	6.0
10°-20°	385.8	18.9
20°-30°	601.8	29.5
30°-40°	585.5	28.7
40°-50°	292.4	14.3
50°-60°	45.3	2.2
60°-70°	5.5	0.3
70°-80°	1.5	0.1
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°	1109.8	54.4
0°-40°	1695.3	83.1
0°-60°	2033.0	99.7
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1250	
5°	1266	122
15°	1362	386
25°	1322	602
35°	951	586
45°	367	292
55°	37	45
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1249.9
2.5°	1254.6
5°	1266.3
7.5°	1285.0
10°	1308.4
12.5°	1338.7
15°	1362.1
17.5°	1380.8
20°	1383.1
22.5°	1366.8
25°	1322.4
27.5°	1256.9
30°	1175.1
32.5°	1072.4
35°	950.9
37.5°	817.7
40°	677.5
42.5°	528.0
45°	366.8
47.5°	235.9
50°	142.5
52.5°	77.1
55°	37.4
57.5°	16.4
60°	9.4
62.5°	7.0
65°	4.7
67.5°	4.7
70°	2.3
72.5°	2.3
75°	2.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)