

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: P858478

Luminaire Tested: **LD4C20W2N2050D010 4LBWLI_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858478
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_3500K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

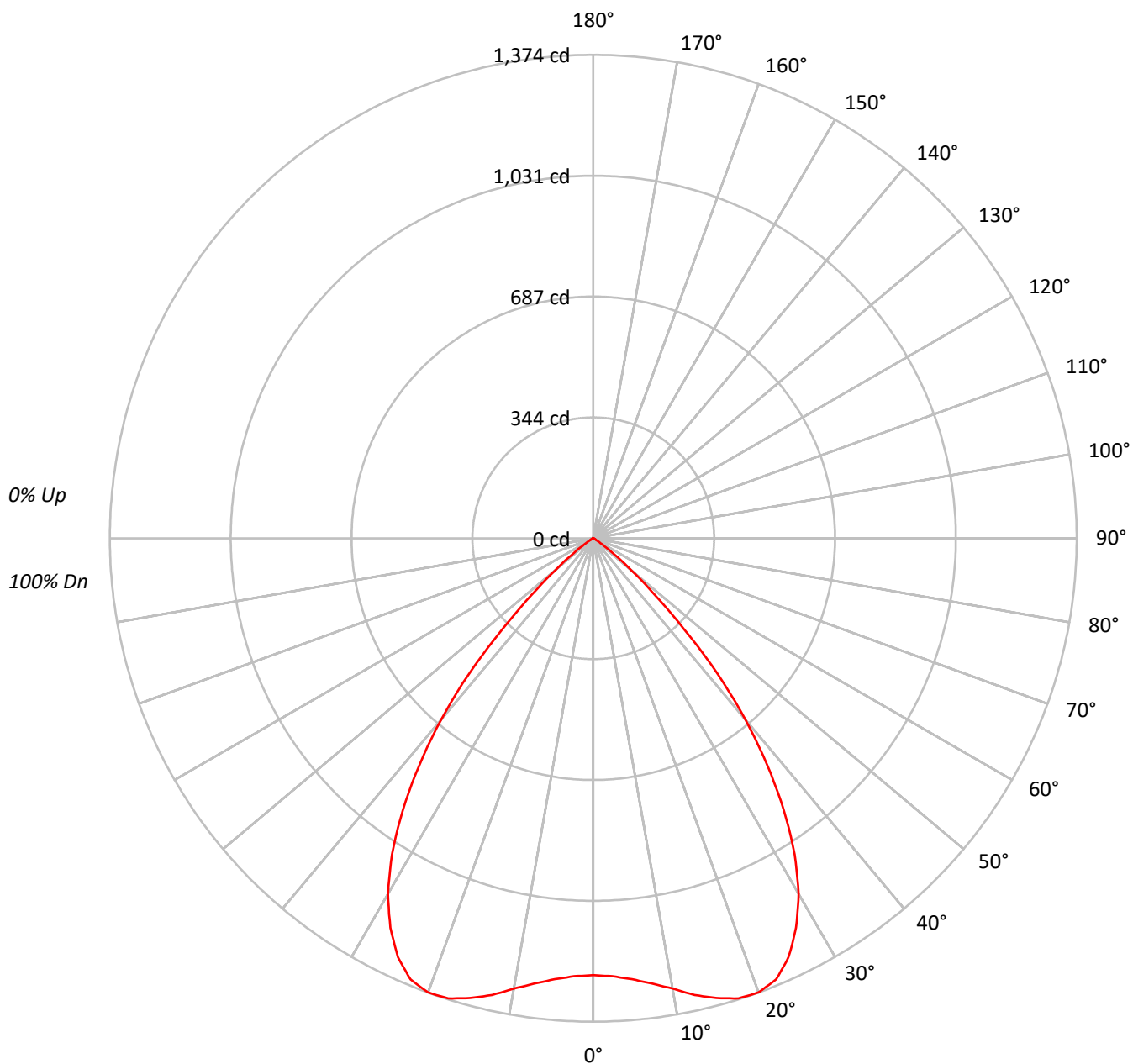
Lumens per Lamp: N/A
Luminaire Lumens: 2026.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 25.4
Input Voltage (V): NR
Input Current (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: P858478

CATALOG NUMBER: LD4C20W2N2050D010 4LBWLI_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P858478

CATALOG NUMBER: LD4C20W2N2050D010 4LBWLI_3500K

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°	152498
5°	155091
10°	162098
15°	172046
20°	179582
25°	178023
30°	165564
35°	141638
40°	107916
45°	63294
50°	27044
55°	7968
60°	2285
65°	1337
70°	826
75°	1092
80°	0
85°	0



TEST NUMBER: P858478

CATALOG NUMBER: LD4C20W2N2050D010 4LBWLI_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	6.0
10°-20°	383.1	18.9
20°-30°	597.6	29.5
30°-40°	581.5	28.7
40°-50°	290.4	14.3
50°-60°	45.0	2.2
60°-70°	5.4	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°	1102.1	54.4
0°-40°	1683.6	83.1
0°-60°	2019.1	99.7
0°-90°	2026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2026.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1241	
5°	1258	121
15°	1353	383
25°	1313	598
35°	944	582
45°	364	290
55°	37	45
65°	5	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P858478

CATALOG NUMBER: LD4C20W2N2050D010 4LBWLI_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1241.3
2.5°	1246.0
5°	1257.6
7.5°	1276.2
10°	1299.4
12.5°	1329.5
15°	1352.7
17.5°	1371.3
20°	1373.6
22.5°	1357.4
25°	1313.3
27.5°	1248.3
30°	1167.1
32.5°	1065.1
35°	944.4
37.5°	812.1
40°	672.9
42.5°	524.4
45°	364.3
47.5°	234.3
50°	141.5
52.5°	76.6
55°	37.2
57.5°	16.3
60°	9.3
62.5°	7.0
65°	4.6
67.5°	4.6
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)