

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: P858471

Luminaire Tested: **LD4C20W2N2050D010 4LBWH_3000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C20W2N2050D010 4LBWH_3000K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

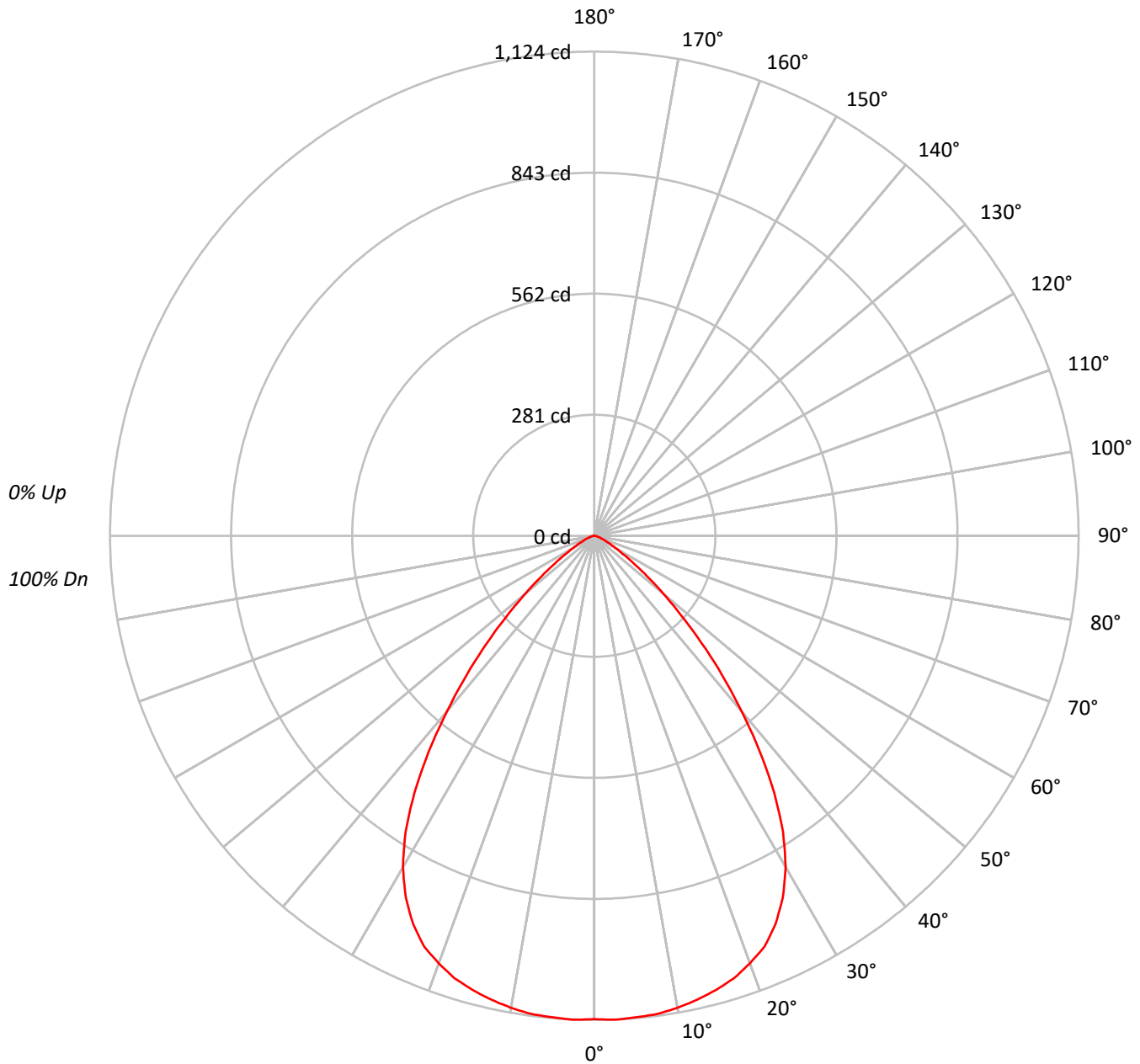
Lumens per Lamp: N/A
Luminaire Lumens: 1741.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P858471

CATALOG NUMBER: LD4C20W2N2050D010 4LBWH_3000K

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137866
5°	138393
10°	138808
15°	138812
20°	138059
25°	134822
30°	126013
35°	109123
40°	85239
45°	61157
50°	39735
55°	23775
60°	13907
65°	8924
70°	5963
75°	4509
80°	3325
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	6.1
10°-20°	307.9	17.7
20°-30°	454.4	26.1
30°-40°	448.4	25.8
40°-50°	274.4	15.8
50°-60°	105.2	6.0
60°-70°	32.9	1.9
70°-80°	9.6	0.6
80°-90°	1.3	0.1
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°	869.2	49.9
0°-40°	1317.6	75.7
0°-60°	1697.1	97.5
0°-90°	1741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1741.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1122	
5°	1122	107
15°	1091	308
25°	995	454
35°	728	448
45°	352	274
55°	111	105
65°	31	33
75°	10	10
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1122.2
2.5°	1124.5
5°	1122.2
7.5°	1119.8
10°	1112.7
12.5°	1103.3
15°	1091.4
17.5°	1077.2
20°	1056.0
22.5°	1032.4
25°	994.6
27.5°	947.3
30°	888.3
32.5°	815.1
35°	727.6
37.5°	630.7
40°	531.5
42.5°	439.4
45°	352.0
47.5°	274.0
50°	207.9
52.5°	153.6
55°	111.0
57.5°	77.9
60°	56.6
62.5°	42.6
65°	30.7
67.5°	23.6
70°	16.6
72.5°	11.8
75°	9.5
77.5°	4.7
80°	4.7
82.5°	2.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)