

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: P858472

Luminaire Tested: **LD4C20W2N2050D010 4LBWH_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858472
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_3500K
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

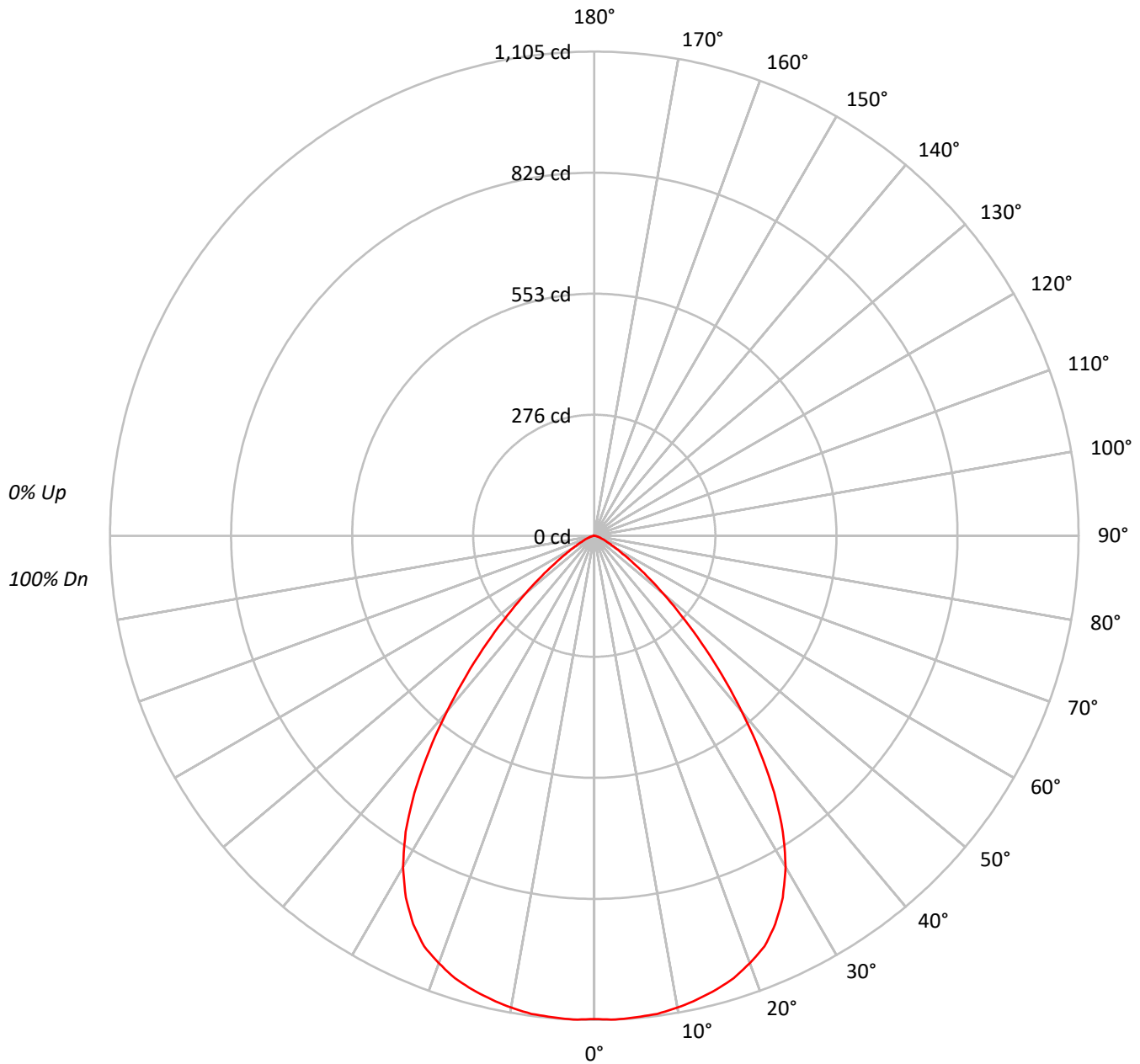
Lumens per Lamp: N/A
Luminaire Lumens: 1711.0 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	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°	135483
5°	136000
10°	136413
15°	136421
20°	135680
25°	132504
30°	123843
35°	107248
40°	83779
45°	60114
50°	39047
55°	23368
60°	13686
65°	8779
70°	5855
75°	4414
80°	3254
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	6.1
10°-20°	302.6	17.7
20°-30°	446.6	26.1
30°-40°	440.7	25.8
40°-50°	269.7	15.8
50°-60°	103.4	6.0
60°-70°	32.3	1.9
70°-80°	9.5	0.6
80°-90°	1.2	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°	854.2	49.9
0°-40°	1294.9	75.7
0°-60°	1668.0	97.5
0°-90°	1711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1711.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1103	
5°	1103	105
15°	1073	303
25°	978	447
35°	715	441
45°	346	270
55°	109	103
65°	30	32
75°	9	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1102.8
2.5°	1105.2
5°	1102.8
7.5°	1100.5
10°	1093.5
12.5°	1084.2
15°	1072.6
17.5°	1058.7
20°	1037.8
22.5°	1014.6
25°	977.5
27.5°	931.0
30°	873.0
32.5°	801.0
35°	715.1
37.5°	619.9
40°	522.4
42.5°	431.8
45°	346.0
47.5°	269.3
50°	204.3
52.5°	151.0
55°	109.1
57.5°	76.6
60°	55.7
62.5°	41.8
65°	30.2
67.5°	23.2
70°	16.3
72.5°	11.6
75°	9.3
77.5°	4.6
80°	4.6
82.5°	2.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)