

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: P858610

Luminaire Tested: **LD4C30W2N2050D010 4LBMH_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30W2N2050D010 4LBMH_3500K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

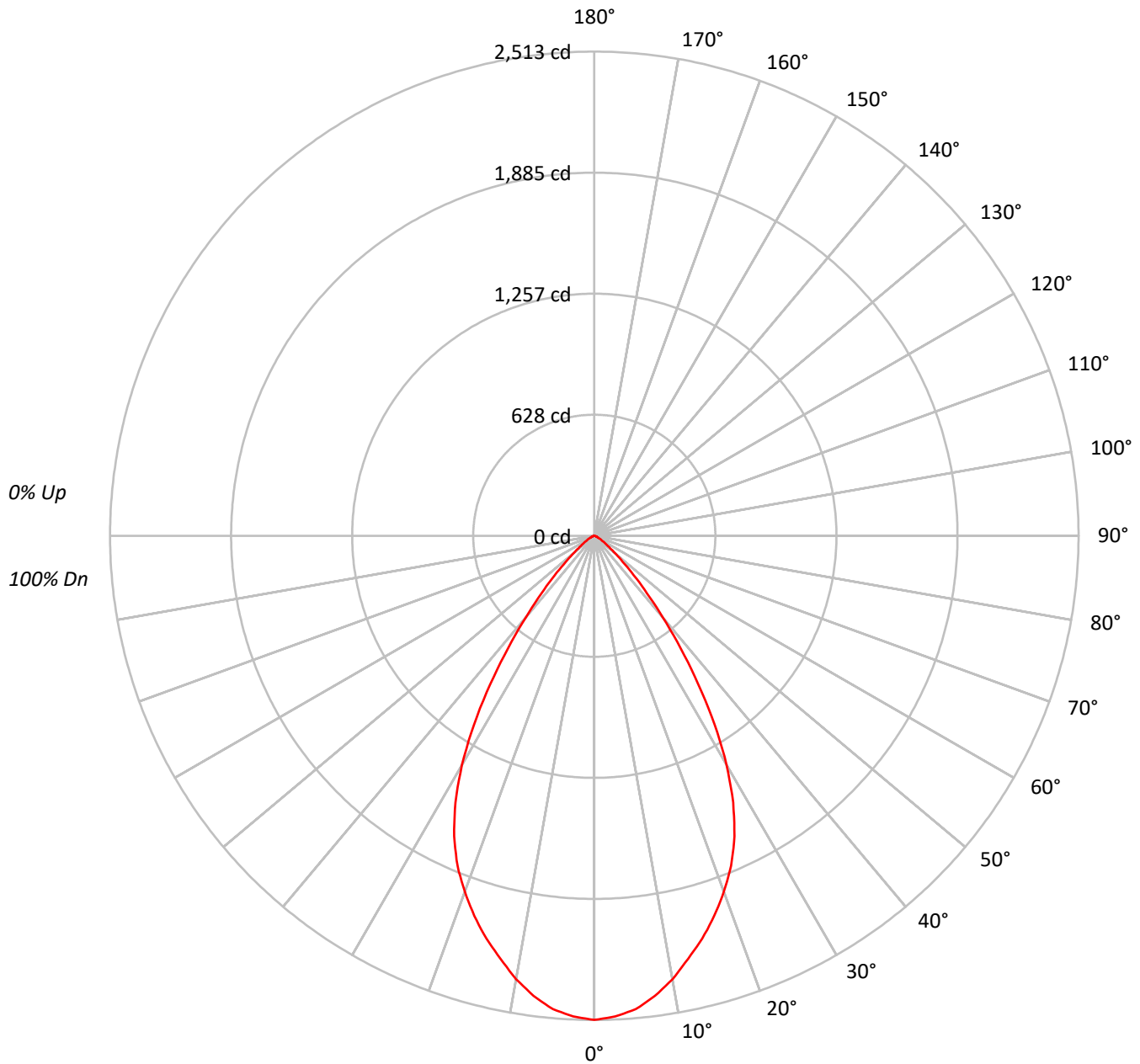
Lumens per Lamp: N/A
Luminaire Lumens: 2534.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.6
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	108	105	111	108	106	104		104	102	100			100	99	97			97
2	107	102	98	94	105	100	96	93		97	94	91			94	91	89			91
3	101	94	89	85	99	93	88	84		90	86	83			88	84	82			86
4	96	88	82	77	94	86	81	77		84	80	76			82	78	75			80
5	90	82	75	71	89	81	75	70		79	74	70			77	73	69			75
6	86	76	70	65	84	75	69	65		74	68	64			72	68	64			71
7	81	71	65	60	80	70	64	60		69	64	60			68	63	59			67
8	77	67	60	56	75	66	60	56		65	59	56			64	59	55			63
9	73	63	56	52	72	62	56	52		61	56	52			60	55	52			59
10	69	59	53	49	68	59	53	49		58	52	49			57	52	48			56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	308682
5°	304200
10°	291488
15°	275310
20°	256992
25°	233288
30°	194772
35°	141098
40°	88334
45°	50489
50°	26318
55°	14758
60°	9411
65°	5552
70°	4131
75°	1804
80°	2688
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	9.1
10°-20°	606.5	23.9
20°-30°	779.5	30.8
30°-40°	586.5	23.1
40°-50°	235.6	9.3
50°-60°	67.0	2.6
60°-70°	21.2	0.8
70°-80°	6.0	0.2
80°-90°	0.5	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°	1617.3	63.8
0°-40°	2203.7	87.0
0°-60°	2506.2	98.9
0°-90°	2534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2534.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2513	
5°	2467	231
15°	2165	607
25°	1721	780
35°	941	586
45°	291	236
55°	69	67
65°	19	21
75°	4	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2512.6
2.5°	2497.3
5°	2466.7
7.5°	2409.3
10°	2336.6
12.5°	2248.8
15°	2164.6
17.5°	2069.0
20°	1965.7
22.5°	1854.9
25°	1721.0
27.5°	1560.3
30°	1373.0
32.5°	1162.6
35°	940.8
37.5°	734.2
40°	550.8
42.5°	405.4
45°	290.6
47.5°	199.0
50°	137.7
52.5°	95.6
55°	68.9
57.5°	49.7
60°	38.3
62.5°	26.8
65°	19.1
67.5°	15.3
70°	11.5
72.5°	7.7
75°	3.8
77.5°	3.8
80°	3.8
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)