

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: P858646

Luminaire Tested: **LD4C30W2N2050D010 4LBWLI_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858646
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: LD4C30W2N2050D010 4LBWLI_3500K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

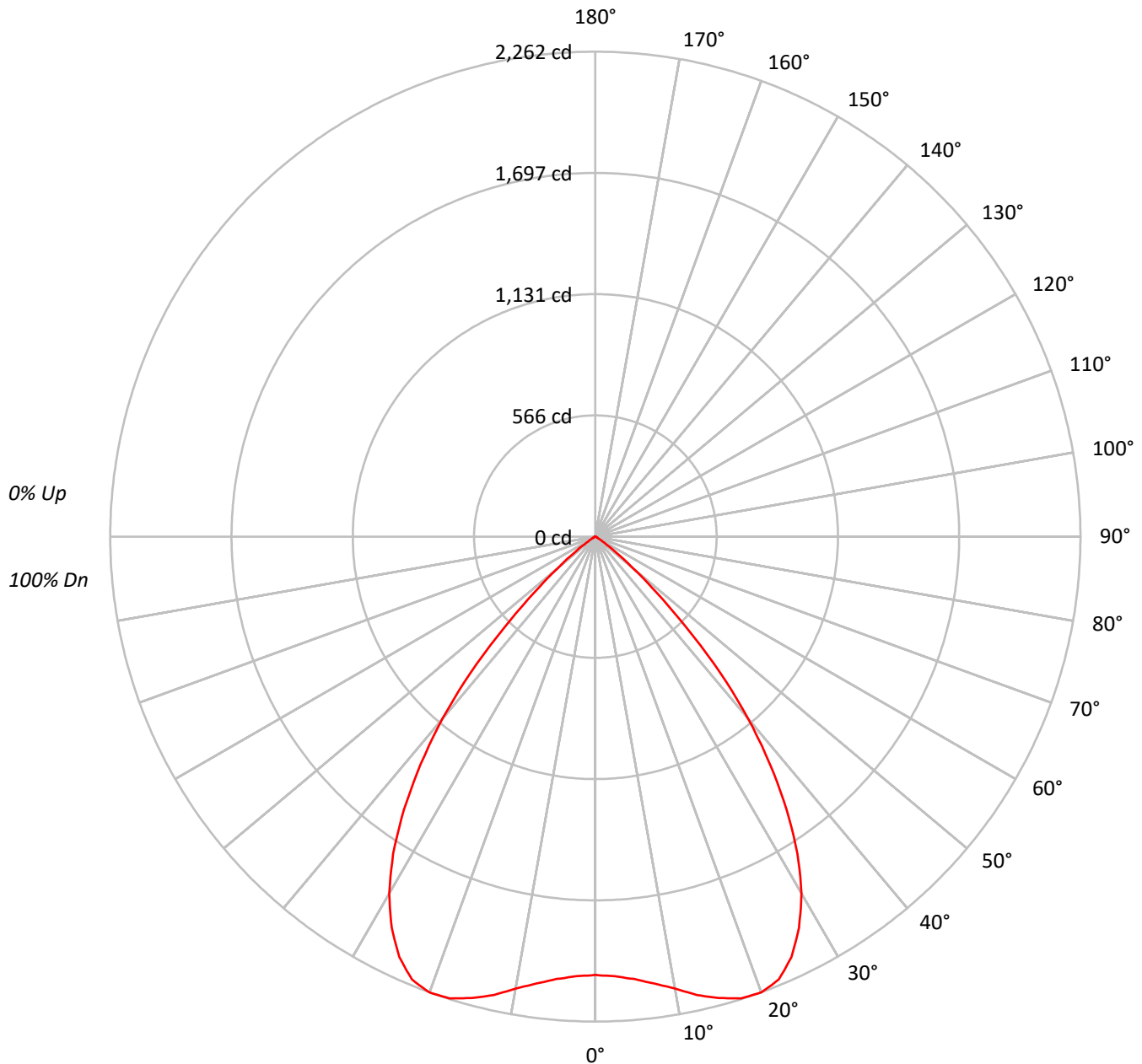
Lumens per Lamp: N/A
Luminaire Lumens: 3337.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	251186
5°	255438
10°	266987
15°	283386
20°	295795
25°	293230
30°	272696
35°	233288
40°	177742
45°	104262
50°	44551
55°	13108
60°	3759
65°	2238
70°	1365
75°	1804
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.9	6.0
10°-20°	631.0	18.9
20°-30°	984.4	29.5
30°-40°	957.8	28.7
40°-50°	478.4	14.3
50°-60°	74.1	2.2
60°-70°	9.0	0.3
70°-80°	2.5	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°	1815.3	54.4
0°-40°	2773.1	83.1
0°-60°	3325.6	99.7
0°-90°	3337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3337.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2045	
5°	2071	200
15°	2228	631
25°	2163	984
35°	1556	958
45°	600	478
55°	61	74
65°	8	9
75°	4	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2044.6
2.5°	2052.2
5°	2071.3
7.5°	2102.0
10°	2140.2
12.5°	2189.8
15°	2228.1
17.5°	2258.7
20°	2262.5
22.5°	2235.7
25°	2163.2
27.5°	2056.0
30°	1922.3
32.5°	1754.3
35°	1555.5
37.5°	1337.5
40°	1108.3
42.5°	863.7
45°	600.1
47.5°	386.0
50°	233.1
52.5°	126.1
55°	61.2
57.5°	26.8
60°	15.3
62.5°	11.5
65°	7.7
67.5°	7.7
70°	3.8
72.5°	3.8
75°	3.8
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)