

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: P858637

Luminaire Tested: **LD4C30W2N2050D010 4LBWH_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858637
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: LD4C30W2N2050D010 4LBWH_2000K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

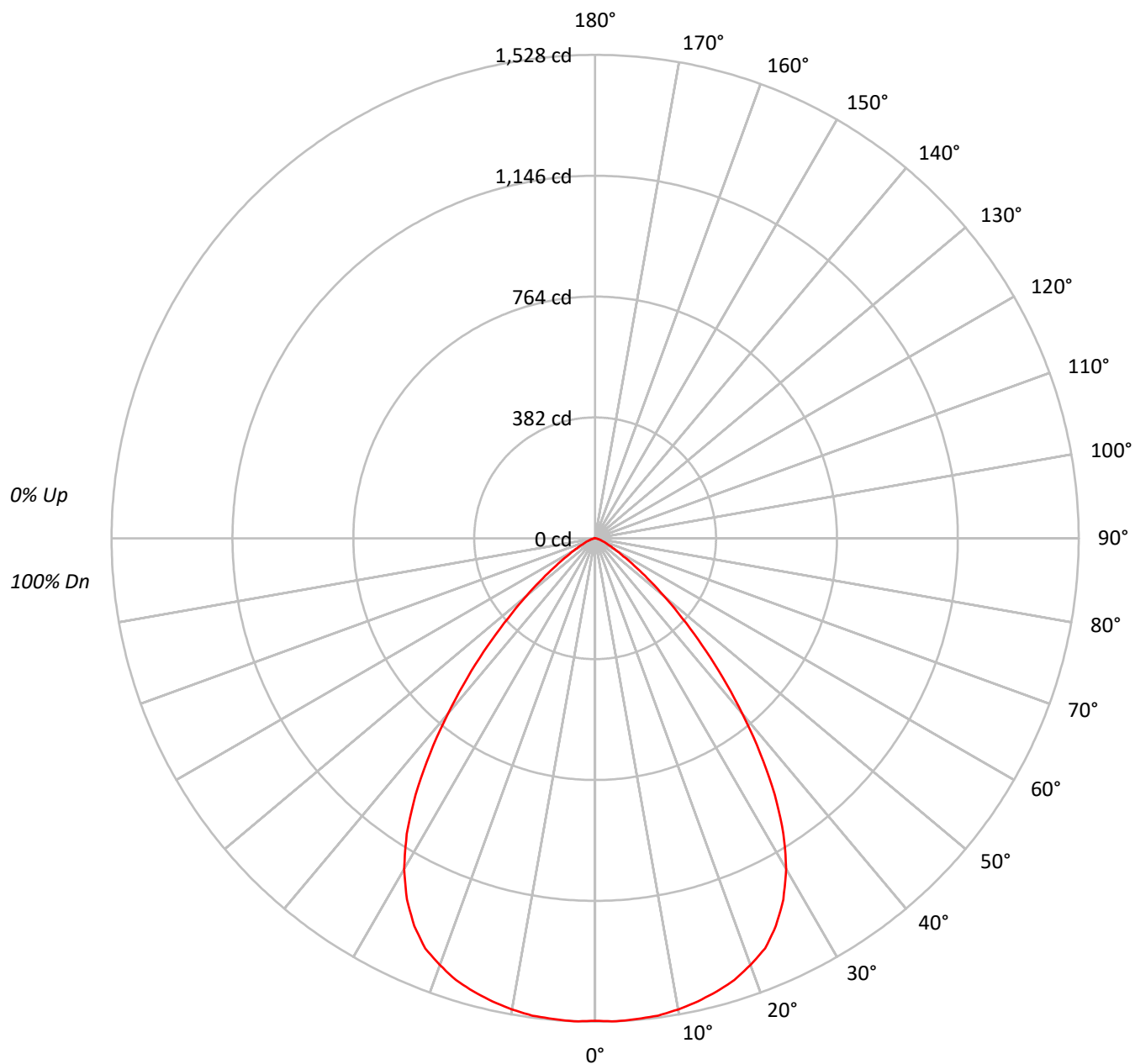
Lumens per Lamp: N/A
Luminaire Lumens: 2366.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	187352
5°	188067
10°	188645
15°	188657
20°	187609
25°	183215
30°	171252
35°	148297
40°	115838
45°	83118
50°	53993
55°	32321
60°	18919
65°	12151
70°	8082
75°	6123
80°	4528
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	6.1
10°-20°	418.5	17.7
20°-30°	617.5	26.1
30°-40°	609.4	25.8
40°-50°	372.9	15.8
50°-60°	143.0	6.0
60°-70°	44.7	1.9
70°-80°	13.1	0.6
80°-90°	1.7	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°	1181.2	49.9
0°-40°	1790.6	75.7
0°-60°	2306.4	97.5
0°-90°	2366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2366.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1525	
5°	1525	145
15°	1483	418
25°	1352	618
35°	989	609
45°	478	373
55°	151	143
65°	42	45
75°	13	13
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1525.0
2.5°	1528.2
5°	1525.0
7.5°	1521.8
10°	1512.2
12.5°	1499.3
15°	1483.3
17.5°	1464.0
20°	1435.0
22.5°	1403.1
25°	1351.6
27.5°	1287.4
30°	1207.2
32.5°	1107.7
35°	988.8
37.5°	857.2
40°	722.3
42.5°	597.2
45°	478.4
47.5°	372.3
50°	282.5
52.5°	208.7
55°	150.9
57.5°	105.9
60°	77.0
62.5°	57.8
65°	41.8
67.5°	32.1
70°	22.5
72.5°	16.1
75°	12.9
77.5°	6.4
80°	6.4
82.5°	3.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)