

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: P858607

Luminaire Tested: **LD4C30W2N2050D010 4LBMH_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858607
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_2000K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

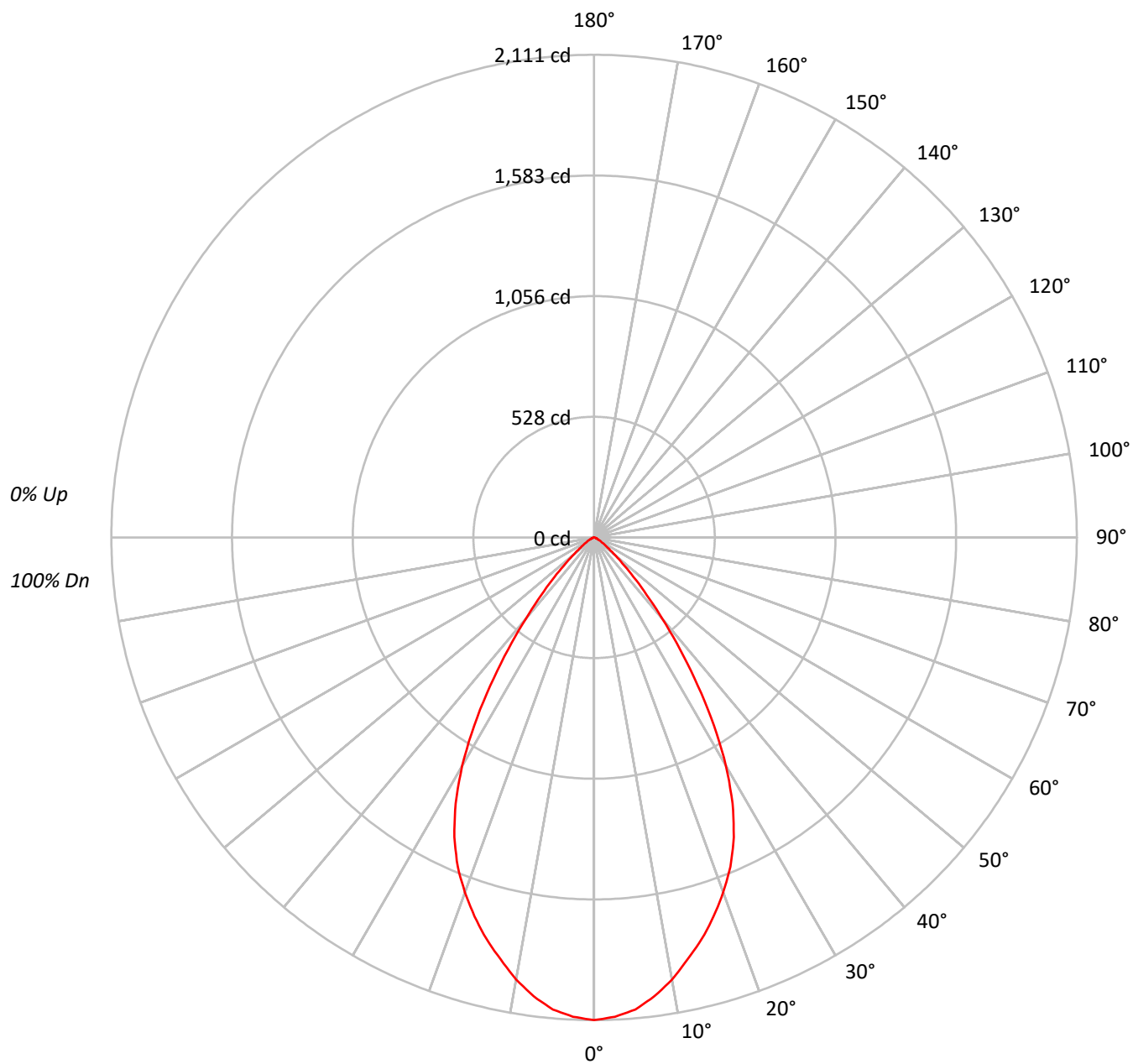
Lumens per Lamp: N/A
Luminaire Lumens: 2129.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P858607

CATALOG NUMBER: LD4C30W2N2050D010 4LBMH_2000K

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°	259344
5°	255586
10°	244907
15°	231316
20°	215914
25°	195997
30°	163649
35°	118556
40°	74205
45°	42428
50°	22113
55°	12402
60°	7887
65°	4680
70°	3448
75°	1519
80°	2264
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	9.1
10°-20°	509.6	23.9
20°-30°	654.9	30.8
30°-40°	492.8	23.1
40°-50°	197.9	9.3
50°-60°	56.3	2.6
60°-70°	17.8	0.8
70°-80°	5.1	0.2
80°-90°	0.4	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°	1358.8	63.8
0°-40°	1851.5	87.0
0°-60°	2105.7	98.9
0°-90°	2129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2129.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2111	
5°	2072	194
15°	1819	510
25°	1446	655
35°	790	493
45°	244	198
55°	58	56
65°	16	18
75°	3	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2111.0
2.5°	2098.2
5°	2072.5
7.5°	2024.2
10°	1963.2
12.5°	1889.4
15°	1818.7
17.5°	1738.3
20°	1651.5
22.5°	1558.4
25°	1445.9
27.5°	1310.9
30°	1153.6
32.5°	976.8
35°	790.5
37.5°	616.9
40°	462.7
42.5°	340.6
45°	244.2
47.5°	167.2
50°	115.7
52.5°	80.4
55°	57.9
57.5°	41.8
60°	32.1
62.5°	22.5
65°	16.1
67.5°	12.9
70°	9.6
72.5°	6.4
75°	3.2
77.5°	3.2
80°	3.2
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)