

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: P858620

Luminaire Tested: **LD4C30W2N2050D010 4LBNH_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30W2N2050D010 4LBNH_2700K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

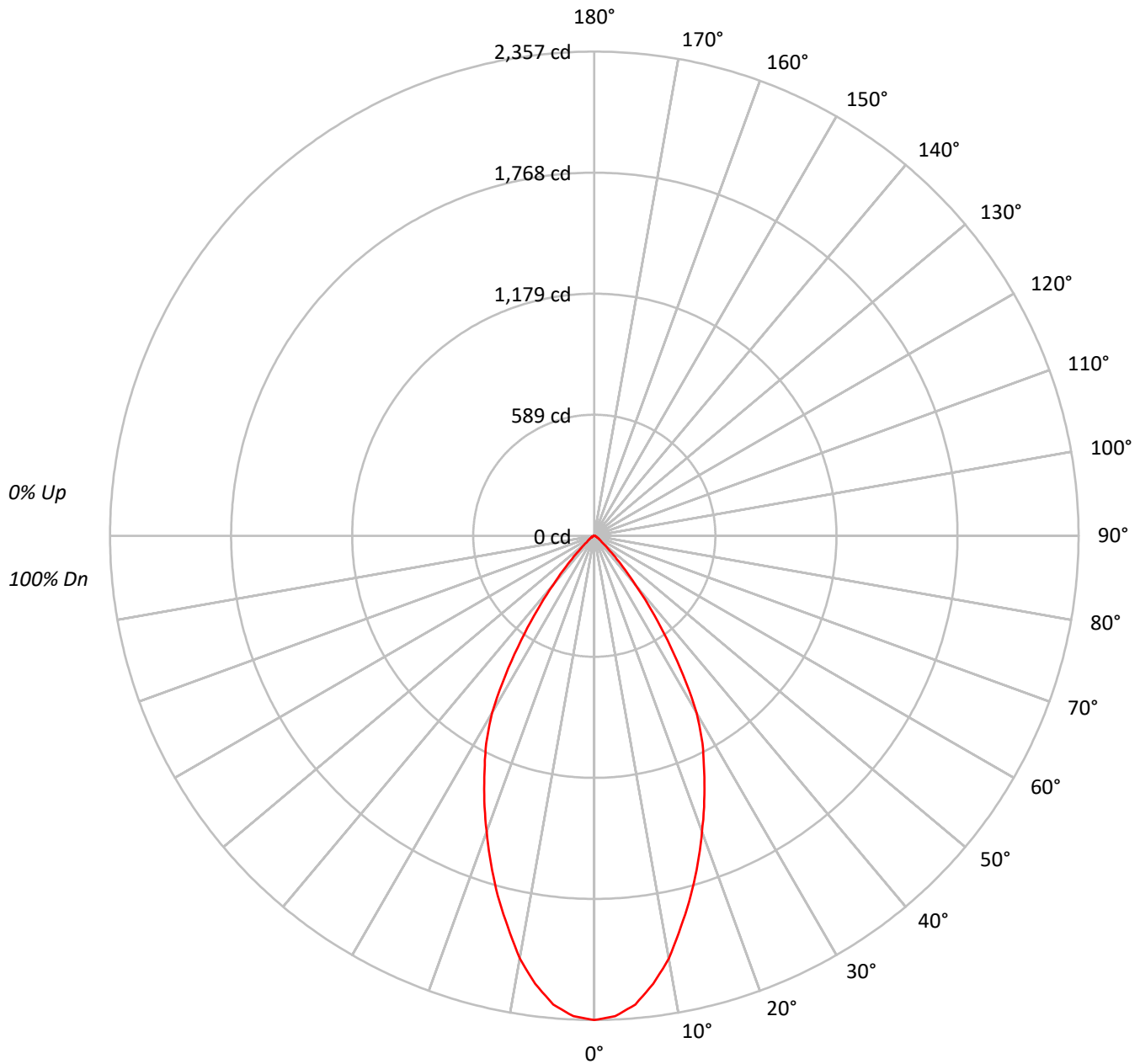
Lumens per Lamp: N/A
Luminaire Lumens: 1839.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.6
Input Voltage (V): NR
Input Current (A_{in}): 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	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		83
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78
6	88	79	73	69	86	78	72	68	77	72	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	75	66	60	56	65	59	56		64	59	56		63
10	72	62	57	53	71	62	57	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	289615
5°	282446
10°	260625
15°	230743
20°	200343
25°	171367
30°	141277
35°	93030
40°	50021
45°	22135
50°	8983
55°	6468
60°	4103
65°	2936
70°	2407
75°	1614
80°	2405
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.0	11.5
10°-20°	505.5	27.5
20°-30°	579.2	31.5
30°-40°	389.1	21.2
40°-50°	111.2	6.0
50°-60°	27.2	1.5
60°-70°	10.3	0.6
70°-80°	4.0	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°	1296.7	70.5
0°-40°	1685.8	91.7
0°-60°	1824.2	99.2
0°-90°	1839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1839.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2357	
5°	2290	212
15°	1814	506
25°	1264	579
35°	620	389
45°	127	111
55°	30	27
65°	10	10
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2357.4
2.5°	2340.7
5°	2290.3
7.5°	2199.7
10°	2089.2
12.5°	1948.2
15°	1814.2
17.5°	1673.4
20°	1532.4
22.5°	1398.4
25°	1264.2
27.5°	1140.1
30°	995.9
32.5°	804.8
35°	620.3
37.5°	452.7
40°	311.9
42.5°	204.5
45°	127.4
47.5°	77.1
50°	47.0
52.5°	36.9
55°	30.2
57.5°	23.5
60°	16.7
62.5°	13.4
65°	10.1
67.5°	6.7
70°	6.7
72.5°	3.4
75°	3.4
77.5°	3.4
80°	3.4
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)