

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: P858705

Luminaire Tested: **LD4C35W2N2050D010 4LBNH_3000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858705
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: LD4C35W2N2050D010 4LBNH_3000K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2050 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

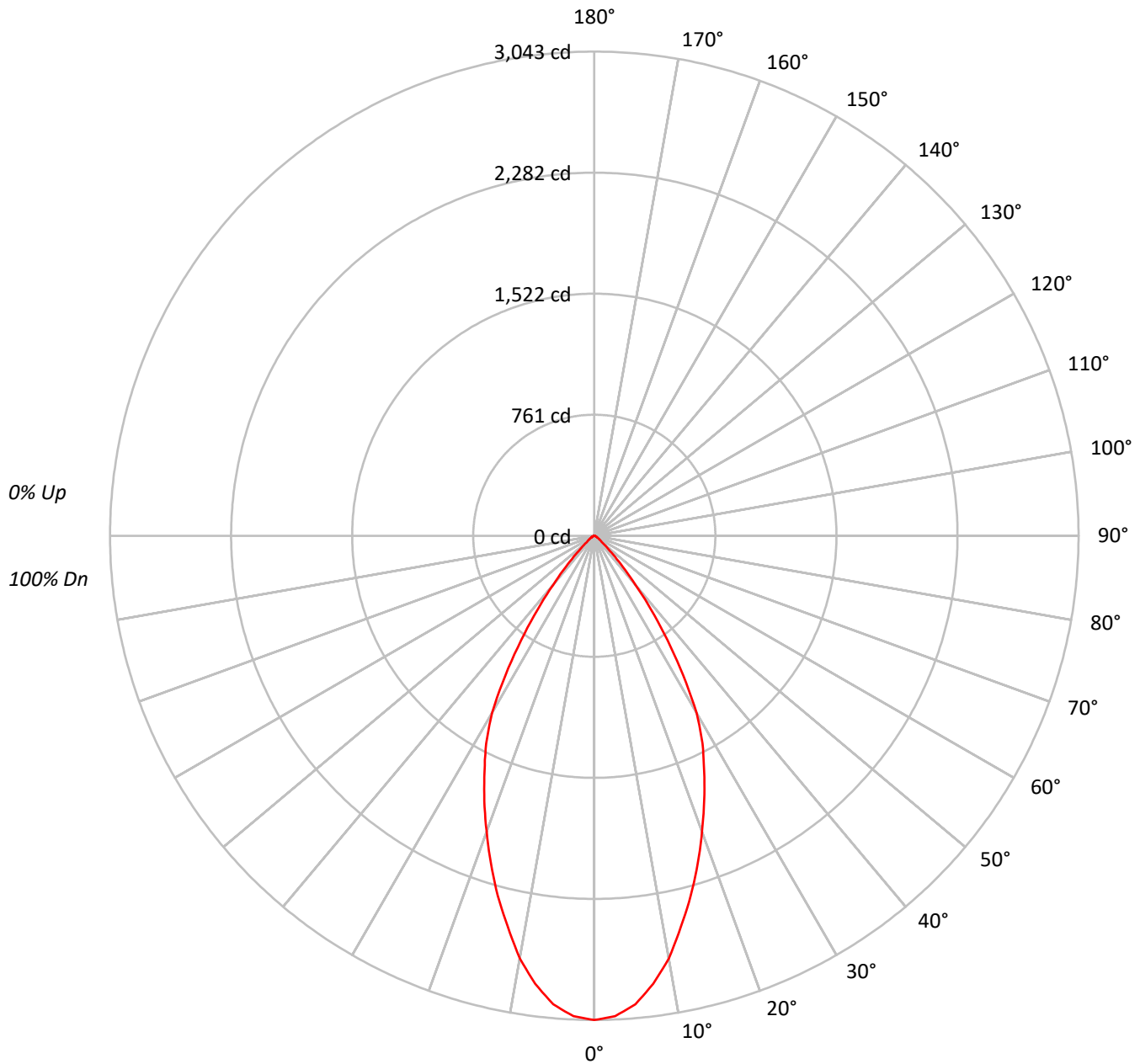
Lumens per Lamp: N/A
Luminaire Lumens: 2374.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 52.8
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°	373868
5°	364616
10°	336435
15°	297860
20°	258626
25°	221210
30°	182374
35°	120101
40°	64567
45°	28580
50°	11582
55°	8353
60°	5307
65°	3808
70°	3125
75°	2089
80°	3113
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	11.5
10°-20°	652.6	27.5
20°-30°	747.6	31.5
30°-40°	502.3	21.2
40°-50°	143.5	6.0
50°-60°	35.1	1.5
60°-70°	13.4	0.6
70°-80°	5.2	0.2
80°-90°	0.6	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°	1673.9	70.5
0°-40°	2176.2	91.7
0°-60°	2354.9	99.2
0°-90°	2374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2374.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3043	
5°	2957	274
15°	2342	653
25°	1632	748
35°	801	502
45°	164	143
55°	39	35
65°	13	13
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3043.2
2.5°	3021.6
5°	2956.6
7.5°	2839.7
10°	2696.9
12.5°	2515.0
15°	2341.9
17.5°	2160.2
20°	1978.2
22.5°	1805.2
25°	1631.9
27.5°	1471.8
30°	1285.6
32.5°	1038.9
35°	800.8
37.5°	584.4
40°	402.6
42.5°	264.0
45°	164.5
47.5°	99.5
50°	60.6
52.5°	47.6
55°	39.0
57.5°	30.3
60°	21.6
62.5°	17.3
65°	13.1
67.5°	8.7
70°	8.7
72.5°	4.4
75°	4.4
77.5°	4.4
80°	4.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)