

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: P858708

Luminaire Tested: **LD4C35W2N2050D010 4LBNH_5000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858708
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_5000K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, W2N2050 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

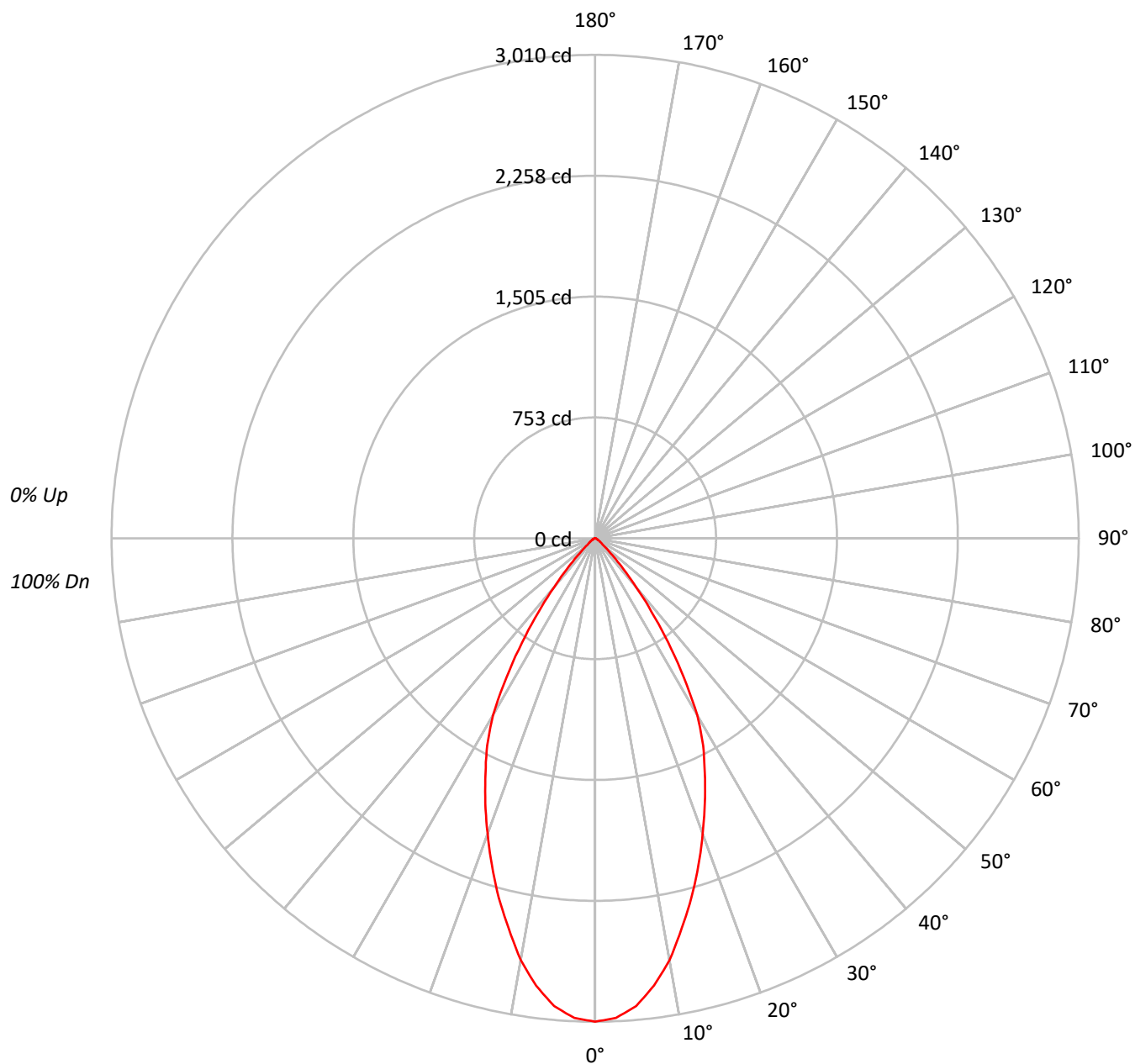
Lumens per Lamp: N/A
Luminaire Lumens: 2348.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (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	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°	369777
5°	360620
10°	332755
15°	294604
20°	255802
25°	218797
30°	180388
35°	118781
40°	63861
45°	28268
50°	11468
55°	8268
60°	5258
65°	3750
70°	3089
75°	2041
80°	3042
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.7	11.5
10°-20°	645.5	27.5
20°-30°	739.5	31.5
30°-40°	496.8	21.2
40°-50°	141.9	6.0
50°-60°	34.8	1.5
60°-70°	13.2	0.6
70°-80°	5.1	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°	1655.6	70.5
0°-40°	2152.4	91.7
0°-60°	2329.1	99.2
0°-90°	2348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2348.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3010	
5°	2924	271
15°	2316	645
25°	1614	739
35°	792	497
45°	163	142
55°	39	35
65°	13	13
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3009.9
2.5°	2988.5
5°	2924.2
7.5°	2808.6
10°	2667.4
12.5°	2487.5
15°	2316.3
17.5°	2136.5
20°	1956.6
22.5°	1785.4
25°	1614.1
27.5°	1455.7
30°	1271.6
32.5°	1027.5
35°	792.0
37.5°	578.0
40°	398.2
42.5°	261.1
45°	162.7
47.5°	98.4
50°	60.0
52.5°	47.1
55°	38.6
57.5°	30.0
60°	21.4
62.5°	17.1
65°	12.9
67.5°	8.6
70°	8.6
72.5°	4.3
75°	4.3
77.5°	4.3
80°	4.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)