

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: P858723

Luminaire Tested: **LD4C35W2N2050D010 4LBWH_3000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858723
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: LD4C35W2N2050D010 4LBWH_3000K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

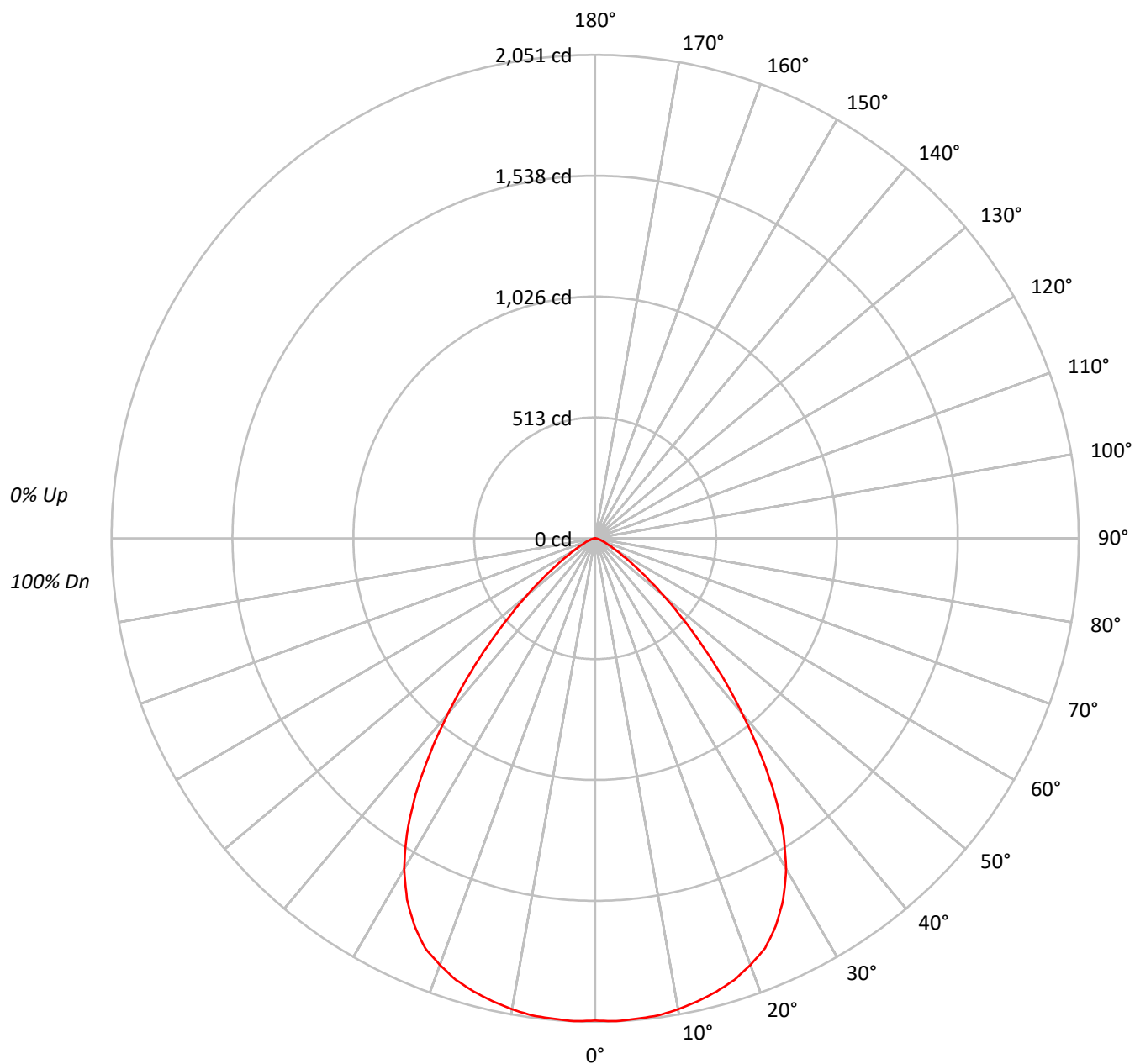
Lumens per Lamp: N/A
Luminaire Lumens: 3175.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	251420
5°	252380
10°	253140
15°	253154
20°	251762
25°	245868
30°	229797
35°	199004
40°	155450
45°	111542
50°	72456
55°	43373
60°	25382
65°	16308
70°	10848
75°	8212
80°	6084
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.9	6.1
10°-20°	561.5	17.7
20°-30°	828.6	26.1
30°-40°	817.7	25.8
40°-50°	500.4	15.8
50°-60°	191.8	6.0
60°-70°	60.0	1.9
70°-80°	17.6	0.6
80°-90°	2.3	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°	1585.1	49.9
0°-40°	2402.8	75.7
0°-60°	3095.1	97.5
0°-90°	3175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3175.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2046	
5°	2046	195
15°	1990	562
25°	1814	829
35°	1327	818
45°	642	500
55°	202	192
65°	56	60
75°	17	18
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2046.5
2.5°	2050.8
5°	2046.5
7.5°	2042.2
10°	2029.2
12.5°	2012.0
15°	1990.4
17.5°	1964.5
20°	1925.7
22.5°	1882.8
25°	1813.8
27.5°	1727.5
30°	1619.9
32.5°	1486.4
35°	1326.9
37.5°	1150.3
40°	969.3
42.5°	801.3
45°	642.0
47.5°	499.7
50°	379.1
52.5°	280.1
55°	202.5
57.5°	142.1
60°	103.3
62.5°	77.6
65°	56.1
67.5°	43.1
70°	30.2
72.5°	21.6
75°	17.3
77.5°	8.6
80°	8.6
82.5°	4.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)