

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: P858724

Luminaire Tested: **LD4C35W2N2050D010 4LBWH_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858724
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_3500K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

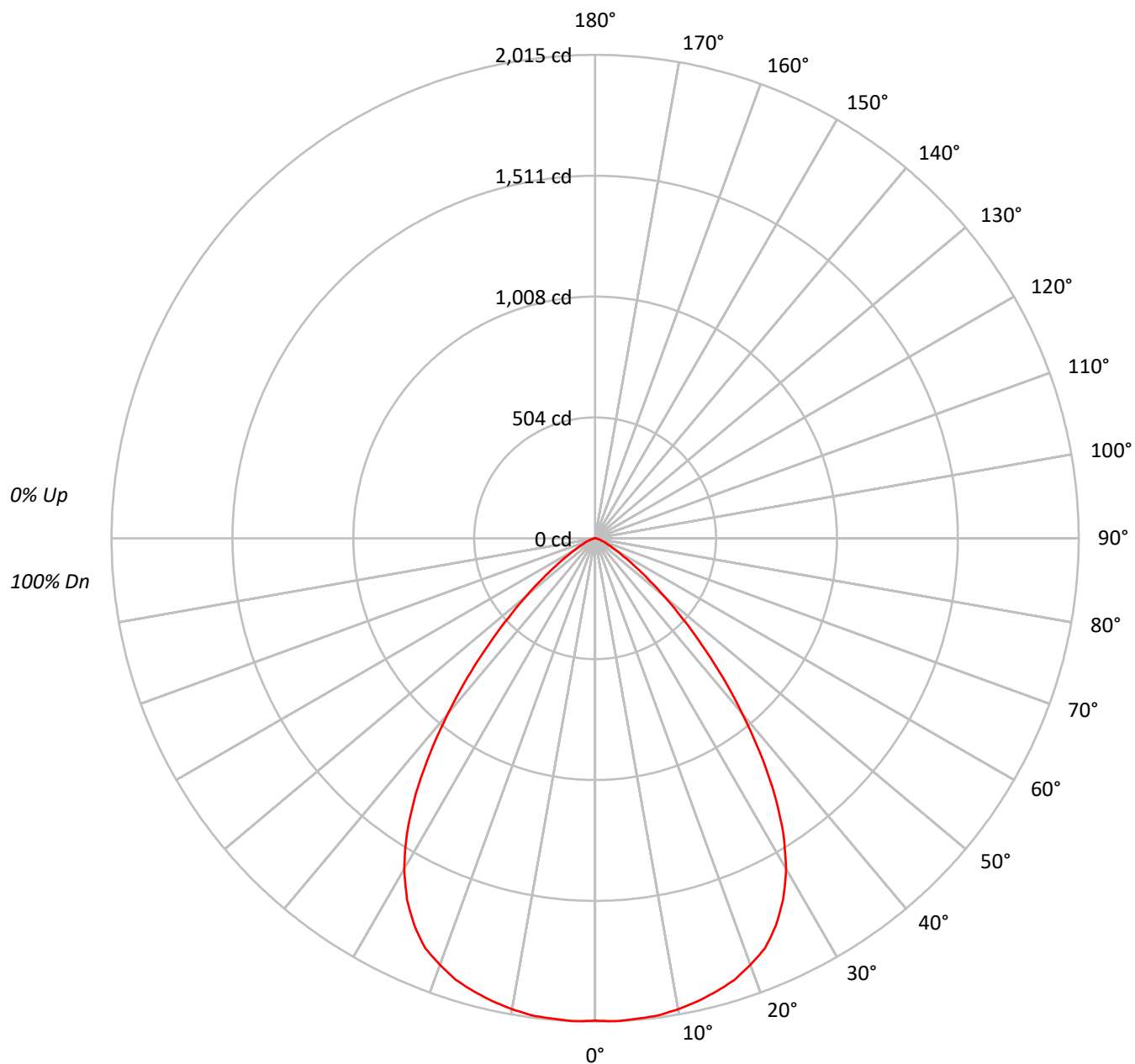
Lumens per Lamp: N/A
Luminaire Lumens: 3119.0 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	246985
5°	247928
10°	248674
15°	248689
20°	247330
25°	241530
30°	225754
35°	195494
40°	152708
45°	109578
50°	71175
55°	42602
60°	24939
65°	16017
70°	10668
75°	8022
80°	6014
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.4	6.1
10°-20°	551.6	17.7
20°-30°	814.0	26.1
30°-40°	803.3	25.8
40°-50°	491.6	15.8
50°-60°	188.5	6.0
60°-70°	59.0	1.9
70°-80°	17.3	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°	1557.1	49.9
0°-40°	2360.4	75.7
0°-60°	3040.5	97.5
0°-90°	3119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3119.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2010	
5°	2010	191
15°	1955	552
25°	1782	814
35°	1304	803
45°	631	492
55°	199	188
65°	55	59
75°	17	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2010.4
2.5°	2014.6
5°	2010.4
7.5°	2006.1
10°	1993.4
12.5°	1976.5
15°	1955.3
17.5°	1929.9
20°	1891.8
22.5°	1849.6
25°	1781.8
27.5°	1697.1
30°	1591.4
32.5°	1460.2
35°	1303.5
37.5°	1130.0
40°	952.2
42.5°	787.2
45°	630.7
47.5°	490.8
50°	372.4
52.5°	275.2
55°	198.9
57.5°	139.6
60°	101.5
62.5°	76.3
65°	55.1
67.5°	42.4
70°	29.7
72.5°	21.2
75°	16.9
77.5°	8.5
80°	8.5
82.5°	4.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)