

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: P858538

Luminaire Tested: **LD4C25W2N2050D010 4LBNH_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858538
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: LD4C25W2N2050D010 4LBNH_3500K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

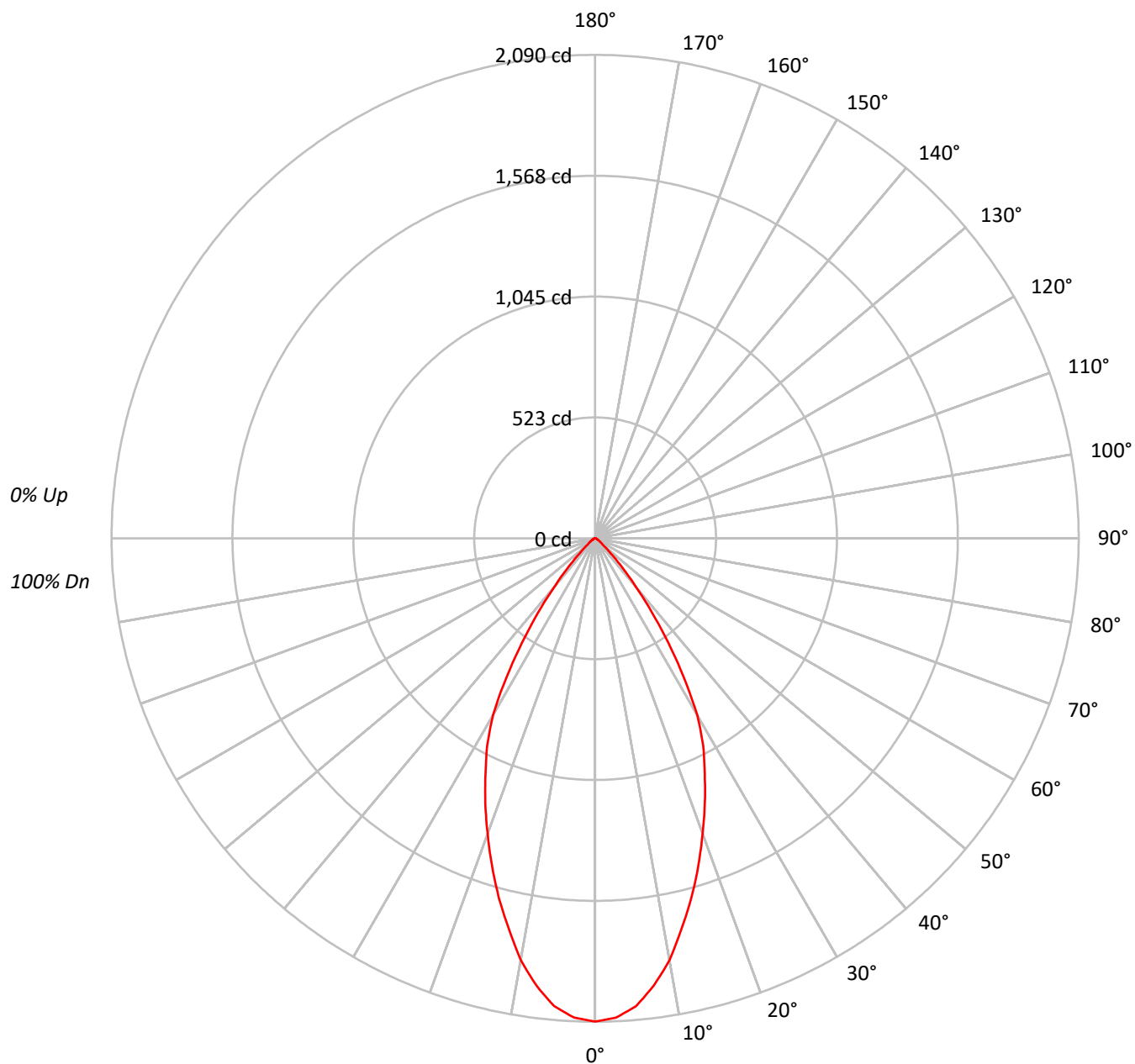
Lumens per Lamp: N/A
Luminaire Lumens: 1630.0 lumens
Efficiency: N/A
Efficacy: 48.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	113	111	108	106	111	109	106	104		104	103	101			101	99	98			93
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			87
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			81
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			75
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			70
6	88	79	73	69	86	78	72	68		77	72	68			75	71	67			65
7	83	74	68	64	82	73	68	64		72	67	63			71	66	63			61
8	79	70	64	60	78	69	64	60		68	63	59			67	63	59			58
9	76	66	60	56	75	66	60	56		65	59	56			64	59	56			54
10	72	62	57	53	71	62	57	53		61	56	53			60	56	52			51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	256702
5°	250345
10°	230997
15°	204517
20°	177581
25°	151888
30°	125219
35°	82457
40°	44327
45°	19633
50°	7951
55°	5740
60°	3636
65°	2616
70°	2155
75°	1424
80°	2122
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.9	11.5
10°-20°	448.1	27.5
20°-30°	513.3	31.5
30°-40°	344.9	21.2
40°-50°	98.5	6.0
50°-60°	24.1	1.5
60°-70°	9.2	0.6
70°-80°	3.6	0.2
80°-90°	0.4	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°	1149.3	70.5
0°-40°	1494.2	91.7
0°-60°	1616.8	99.2
0°-90°	1630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1630.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2090	
5°	2030	188
15°	1608	448
25°	1120	513
35°	550	345
45°	113	99
55°	27	24
65°	9	9
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2089.5
2.5°	2074.7
5°	2030.0
7.5°	1949.7
10°	1851.7
12.5°	1726.8
15°	1608.0
17.5°	1483.2
20°	1358.3
22.5°	1239.4
25°	1120.5
27.5°	1010.5
30°	882.7
32.5°	713.3
35°	549.8
37.5°	401.2
40°	276.4
42.5°	181.3
45°	113.0
47.5°	68.3
50°	41.6
52.5°	32.7
55°	26.8
57.5°	20.8
60°	14.8
62.5°	11.9
65°	9.0
67.5°	6.0
70°	6.0
72.5°	3.0
75°	3.0
77.5°	3.0
80°	3.0
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)