

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: P858556

Luminaire Tested: **LD4C25W2N2050D010 4LBWH_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858556
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: LD4C25W2N2050D010 4LBWH_3500K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

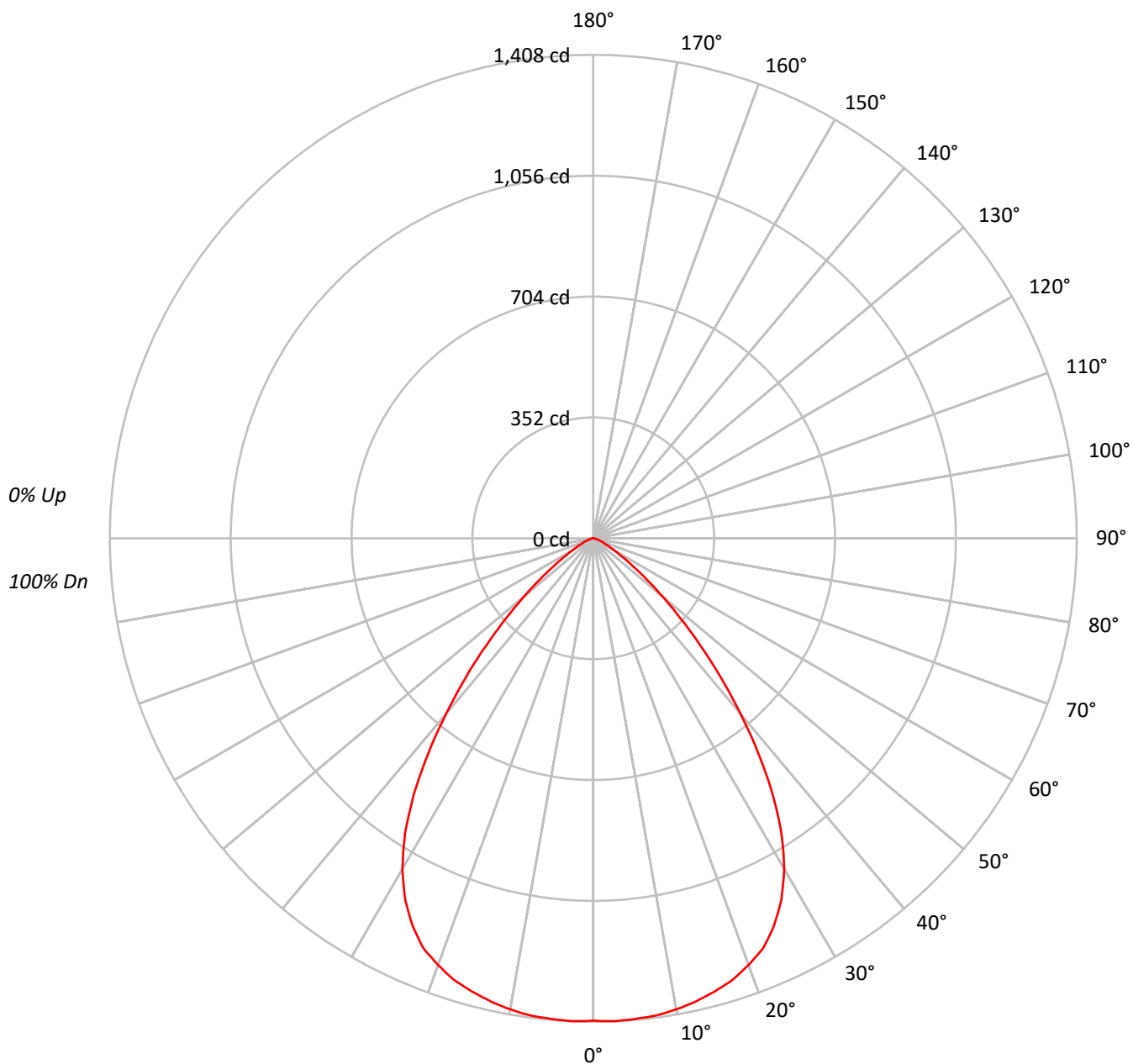
Lumens per Lamp: N/A
Luminaire Lumens: 2180.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	172621
5°	173281
10°	173812
15°	173814
20°	172862
25°	168819
30°	157790
35°	136643
40°	106745
45°	76585
50°	49750
55°	29772
60°	17421
65°	11192
70°	7435
75°	5601
80°	4174
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	6.1
10°-20°	385.6	17.7
20°-30°	569.0	26.1
30°-40°	561.5	25.8
40°-50°	343.6	15.8
50°-60°	131.7	6.0
60°-70°	41.2	1.9
70°-80°	12.1	0.6
80°-90°	1.6	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°	1088.4	49.9
0°-40°	1649.8	75.7
0°-60°	2125.2	97.5
0°-90°	2180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2180.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1405	
5°	1405	134
15°	1367	386
25°	1245	569
35°	911	561
45°	441	344
55°	139	132
65°	38	41
75°	12	12
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1405.1
2.5°	1408.1
5°	1405.1
7.5°	1402.2
10°	1393.3
12.5°	1381.5
15°	1366.6
17.5°	1348.9
20°	1322.2
22.5°	1292.8
25°	1245.4
27.5°	1186.2
30°	1112.3
32.5°	1020.6
35°	911.1
37.5°	789.8
40°	665.6
42.5°	550.2
45°	440.8
47.5°	343.1
50°	260.3
52.5°	192.3
55°	139.0
57.5°	97.6
60°	70.9
62.5°	53.3
65°	38.5
67.5°	29.6
70°	20.7
72.5°	14.8
75°	11.8
77.5°	5.9
80°	5.9
82.5°	3.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)