

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: P858523

Luminaire Tested: **LD4C25W2N2050D010 4LBMH_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25W2N2050D010 4LBMH_2000K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

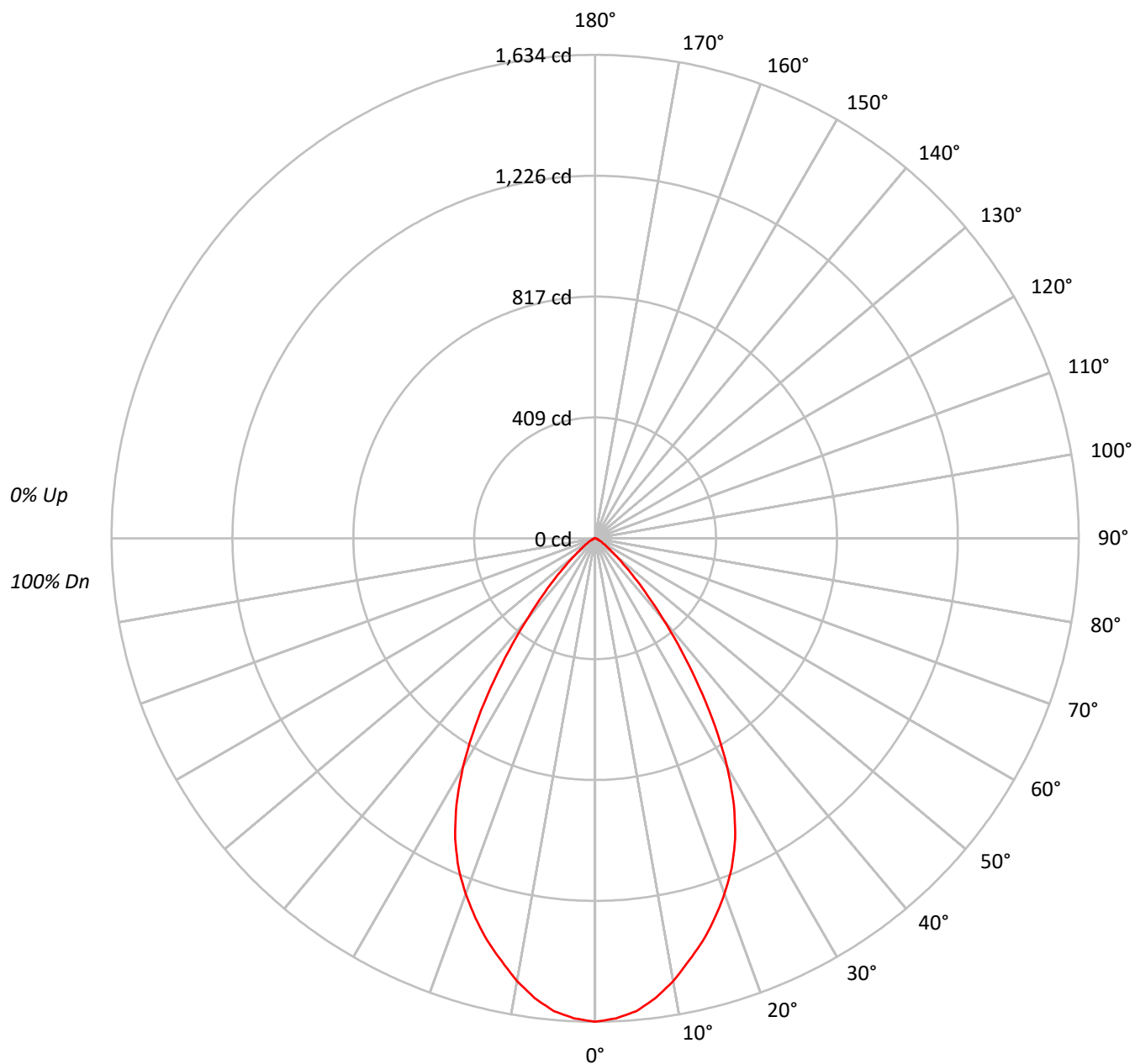
Lumens per Lamp: N/A
Luminaire Lumens: 1648.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P858523

CATALOG NUMBER: LD4C25W2N2050D010 4LBMH_2000K

Luminous Intensity Polar Plot





TEST NUMBER: P858523

CATALOG NUMBER: LD4C25W2N2050D010 4LBMH_2000K

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	200755
5°	197834
10°	189568
15°	179054
20°	167135
25°	151725
30°	126666
35°	91771
40°	57446
45°	32837
50°	17125
55°	9596
60°	6118
65°	3605
70°	2694
75°	1187
80°	1769
85°	0



TEST NUMBER: P858523

CATALOG NUMBER: LD4C25W2N2050D010 4LBMH_2000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	9.1
10°-20°	394.5	23.9
20°-30°	506.9	30.8
30°-40°	381.4	23.1
40°-50°	153.2	9.3
50°-60°	43.5	2.6
60°-70°	13.8	0.8
70°-80°	3.9	0.2
80°-90°	0.3	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°	1051.8	63.8
0°-40°	1433.2	87.0
0°-60°	1629.9	98.9
0°-90°	1648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1648.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1634	
5°	1604	150
15°	1408	394
25°	1119	507
35°	612	381
45°	189	153
55°	45	44
65°	12	14
75°	2	4
85°	0	0
90°	0	



TEST NUMBER: P858523

CATALOG NUMBER: LD4C25W2N2050D010 4LBMH_2000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1634.1
2.5°	1624.1
5°	1604.2
7.5°	1566.9
10°	1519.6
12.5°	1462.5
15°	1407.8
17.5°	1345.6
20°	1278.4
22.5°	1206.3
25°	1119.3
27.5°	1014.7
30°	892.9
32.5°	756.1
35°	611.9
37.5°	477.5
40°	358.2
42.5°	263.6
45°	189.0
47.5°	129.4
50°	89.6
52.5°	62.2
55°	44.8
57.5°	32.3
60°	24.9
62.5°	17.4
65°	12.4
67.5°	10.0
70°	7.5
72.5°	5.0
75°	2.5
77.5°	2.5
80°	2.5
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)