

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: P858557

Luminaire Tested: **LD4C25W2N2050D010 4LBWH_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858557
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_4000K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

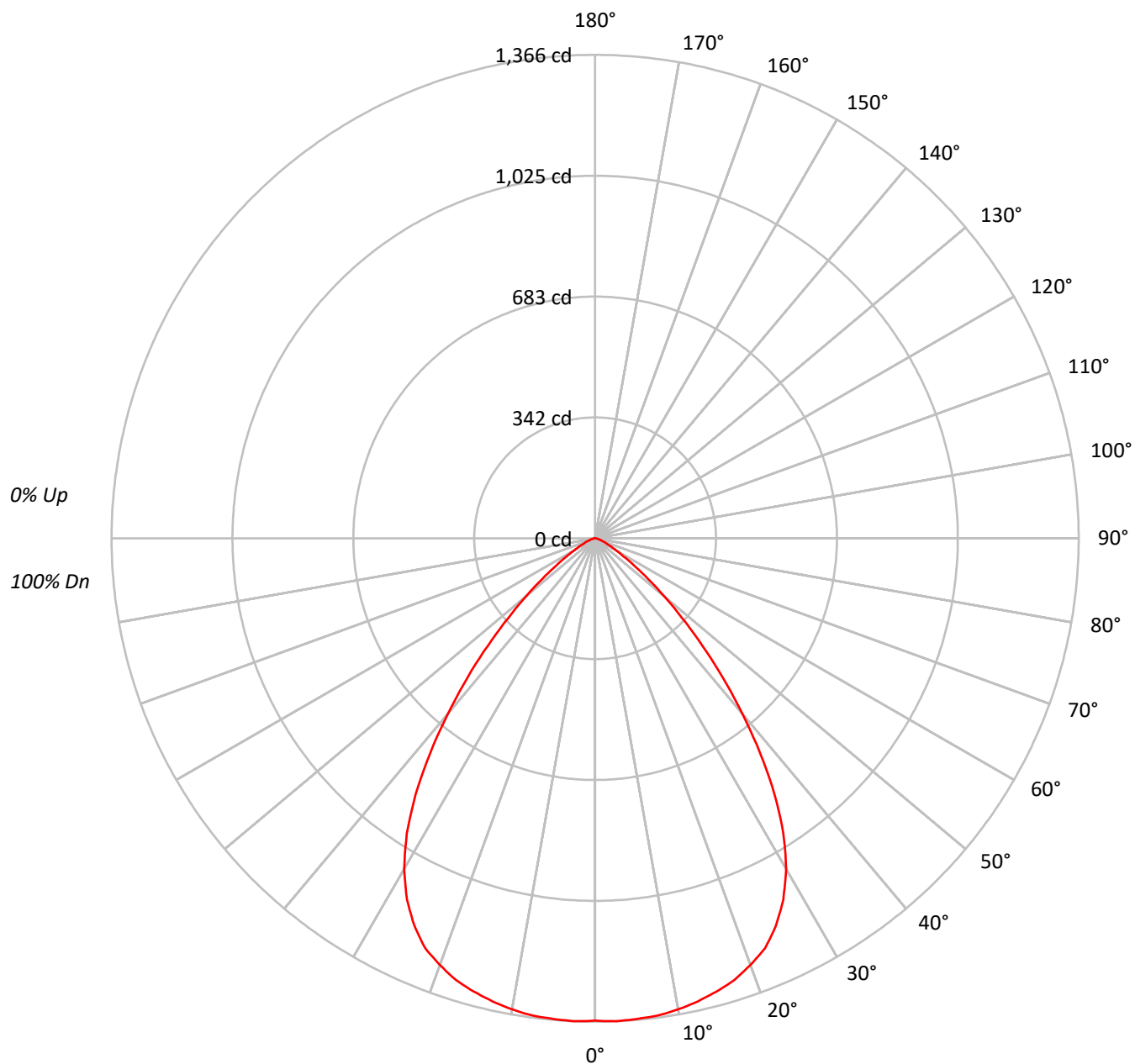
Lumens per Lamp: N/A
Luminaire Lumens: 2114.9 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
Input Voltage (V): NR
Input Current (A_{in}): 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: P858557

CATALOG NUMBER: LD4C25W2N2050D010 4LBWH_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P858557

CATALOG NUMBER: LD4C25W2N2050D010 4LBWH_4000K

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°	167474
5°	168114
10°	168635
15°	168638
20°	167711
25°	163776
30°	153080
35°	132564
40°	103553
45°	74292
50°	48259
55°	28894
60°	16905
65°	10843
70°	7220
75°	5459
80°	4033
85°	0



TEST NUMBER: P858557

CATALOG NUMBER: LD4C25W2N2050D010 4LBWH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	6.1
10°-20°	374.1	17.7
20°-30°	552.0	26.1
30°-40°	544.7	25.8
40°-50°	333.3	15.8
50°-60°	127.8	6.0
60°-70°	39.9	1.9
70°-80°	11.7	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°	1055.9	49.9
0°-40°	1600.6	75.7
0°-60°	2061.7	97.5
0°-90°	2114.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2114.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1363	
5°	1363	130
15°	1326	374
25°	1208	552
35°	884	545
45°	428	333
55°	135	128
65°	37	40
75°	12	12
85°	0	2
90°	0	



TEST NUMBER: P858557

CATALOG NUMBER: LD4C25W2N2050D010 4LBWH_4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1363.2
2.5°	1366.1
5°	1363.2
7.5°	1360.4
10°	1351.8
12.5°	1340.3
15°	1325.9
17.5°	1308.7
20°	1282.8
22.5°	1254.2
25°	1208.2
27.5°	1150.8
30°	1079.1
32.5°	990.2
35°	883.9
37.5°	766.2
40°	645.7
42.5°	533.8
45°	427.6
47.5°	332.8
50°	252.5
52.5°	186.6
55°	134.9
57.5°	94.7
60°	68.8
62.5°	51.7
65°	37.3
67.5°	28.7
70°	20.1
72.5°	14.4
75°	11.5
77.5°	5.7
80°	5.7
82.5°	2.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)