

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: P858570

Luminaire Tested: **LD4C25W2N2765D010 4LBMH_6500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858570
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: LD4C25W2N2765D010 4LBMH_6500K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 6500K, W2N2765 LEDS
AND 4LBMH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

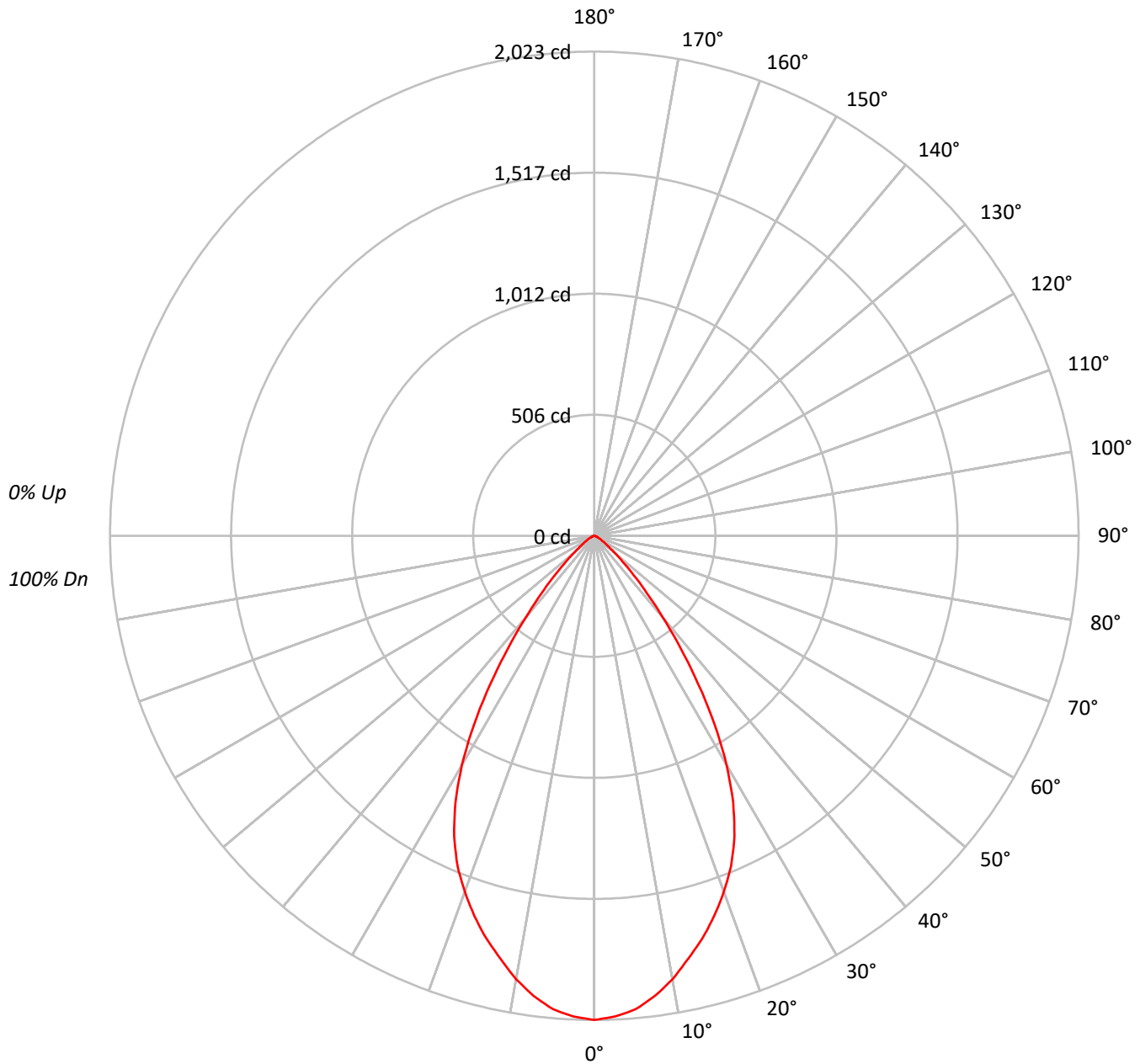
Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858570

CATALOG NUMBER: LD4C25W2N2765D010 4LBMH_6500K

Luminous Intensity Polar Plot





TEST NUMBER: P858570

CATALOG NUMBER: LD4C25W2N2765D010 4LBMH_6500K

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°	248508
5°	244894
10°	234665
15°	221637
20°	206893
25°	187810
30°	156797
35°	113592
40°	71110
45°	40638
50°	21196
55°	11866
60°	7568
65°	4477
70°	3305
75°	1471
80°	2193
85°	0



TEST NUMBER: P858570

CATALOG NUMBER: LD4C25W2N2765D010 4LBMH_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	9.1
10°-20°	488.3	23.9
20°-30°	627.5	30.8
30°-40°	472.1	23.1
40°-50°	189.6	9.3
50°-60°	53.9	2.6
60°-70°	17.1	0.8
70°-80°	4.9	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°	1302.0	63.8
0°-40°	1774.1	87.0
0°-60°	2017.6	98.9
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2023	
5°	1986	186
15°	1743	488
25°	1386	628
35°	757	472
45°	234	190
55°	55	54
65°	15	17
75°	3	5
85°	0	0
90°	0	



TEST NUMBER: P858570

CATALOG NUMBER: LD4C25W2N2765D010 4LBMH_6500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	2022.8
2.5°	2010.5
5°	1985.8
7.5°	1939.6
10°	1881.1
12.5°	1810.4
15°	1742.6
17.5°	1665.6
20°	1582.5
22.5°	1493.3
25°	1385.5
27.5°	1256.1
30°	1105.3
32.5°	935.9
35°	757.4
37.5°	591.1
40°	443.4
42.5°	326.4
45°	233.9
47.5°	160.2
50°	110.9
52.5°	77.0
55°	55.4
57.5°	40.0
60°	30.8
62.5°	21.6
65°	15.4
67.5°	12.3
70°	9.2
72.5°	6.2
75°	3.1
77.5°	3.1
80°	3.1
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)