

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: P858580

Luminaire Tested: **LD4C25W2N2765D010 4LBNH_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858580
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: LD4C25W2N2765D010 4LBNH_4000K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2765 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

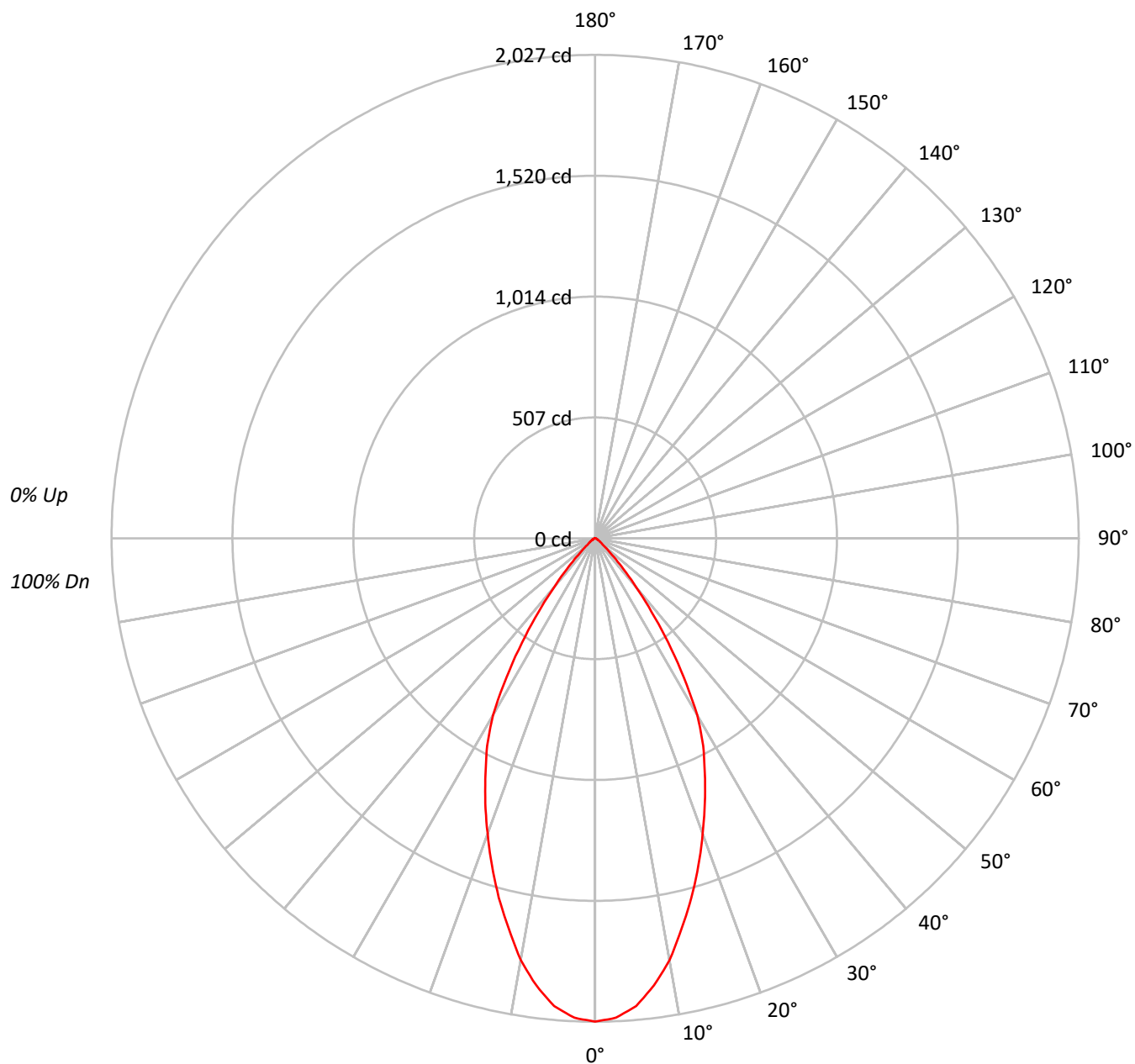
Lumens per Lamp: N/A
Luminaire Lumens: 1581.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P858580

CATALOG NUMBER: LD4C25W2N2765D010 4LBNH_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P858580

CATALOG NUMBER: LD4C25W2N2765D010 4LBNH_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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		83
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78
6	88	79	73	69	86	78	72	68	77	72	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	75	66	60	56	65	59	56		64	59	56		63
10	72	62	57	53	71	62	57	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	248987
5°	242823
10°	224061
15°	198361
20°	172234
25°	147320
30°	121460
35°	79982
40°	42996
45°	19042
50°	7721
55°	5569
60°	3538
65°	2529
70°	2083
75°	1377
80°	2052
85°	0



TEST NUMBER: P858580

CATALOG NUMBER: LD4C25W2N2765D010 4LBNH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	11.5
10°-20°	434.6	27.5
20°-30°	497.9	31.5
30°-40°	334.5	21.2
40°-50°	95.6	6.0
50°-60°	23.4	1.5
60°-70°	8.9	0.6
70°-80°	3.4	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°	1114.8	70.5
0°-40°	1449.3	91.7
0°-60°	1568.3	99.2
0°-90°	1581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1581.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2027	
5°	1969	182
15°	1560	435
25°	1087	498
35°	533	335
45°	110	96
55°	26	23
65°	9	9
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P858580

CATALOG NUMBER: LD4C25W2N2765D010 4LBNH_4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	2026.7
2.5°	2012.3
5°	1969.0
7.5°	1891.1
10°	1796.1
12.5°	1674.9
15°	1559.6
17.5°	1438.6
20°	1317.4
22.5°	1202.2
25°	1086.8
27.5°	980.2
30°	856.2
32.5°	691.9
35°	533.3
37.5°	389.2
40°	268.1
42.5°	175.8
45°	109.6
47.5°	66.3
50°	40.4
52.5°	31.7
55°	26.0
57.5°	20.2
60°	14.4
62.5°	11.5
65°	8.7
67.5°	5.8
70°	5.8
72.5°	2.9
75°	2.9
77.5°	2.9
80°	2.9
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)