

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: P858606

Luminaire Tested: **LD4C25W2N2765D010 4LBWLI_6500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25W2N2765D010 4LBWLI_6500K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 6500K, W2N2765 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

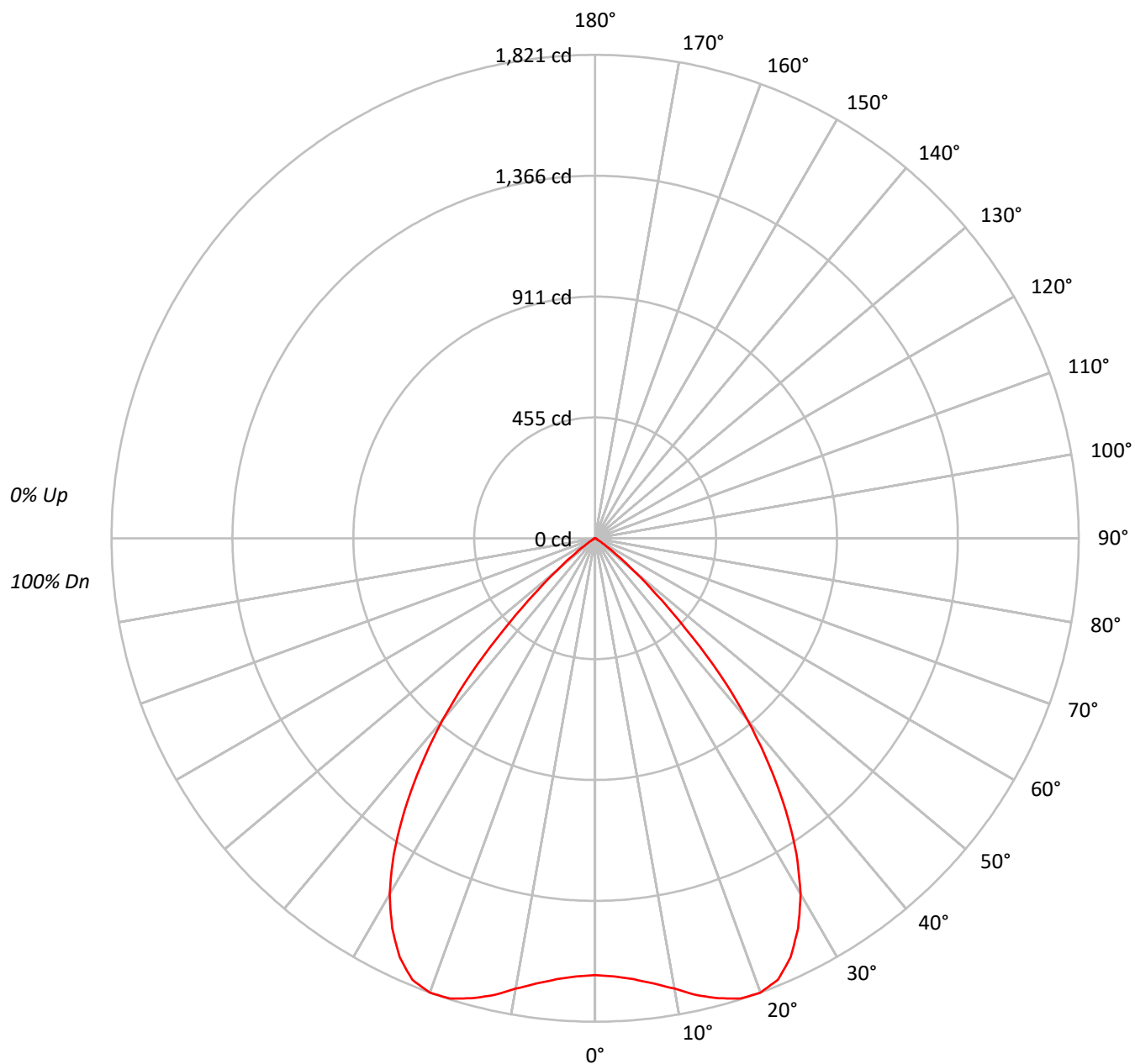
Lumens per Lamp: N/A
Luminaire Lumens: 2686.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858606

CATALOG NUMBER: LD4C25W2N2765D010 4LBWLI_6500K

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	113	110	107	105	110	108	105	103		104	102	100			100	98	97			96
2	106	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	100	93	87	83	98	92	86	82		89	85	81			86	83	80			84
4	94	86	79	75	92	84	79	74		82	77	73			80	76	72			78
5	88	79	72	68	87	78	72	67		76	71	67			74	70	66			73
6	83	73	66	62	82	72	66	61		71	65	61			69	64	60			68
7	78	68	61	56	77	67	61	56		66	60	56			64	59	55			63
8	74	63	56	52	72	62	56	51		61	55	51			60	55	51			59
9	69	59	52	48	68	58	52	47		57	51	47			56	51	47			55
10	66	55	48	44	65	54	48	44		53	48	44			53	47	44			52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	202180
5°	205616
10°	214905
15°	228098
20°	238087
25°	236026
30°	219498
35°	187770
40°	143069
45°	83917
50°	35855
55°	10559
60°	3022
65°	1802
70°	1114
75°	1471
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	6.0
10°-20°	507.9	18.9
20°-30°	792.3	29.5
30°-40°	770.9	28.7
40°-50°	385.1	14.3
50°-60°	59.6	2.2
60°-70°	7.2	0.3
70°-80°	2.0	0.1
80°-90°	0.0	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°	1461.2	54.4
0°-40°	2232.1	83.1
0°-60°	2676.8	99.7
0°-90°	2686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2686.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1646	
5°	1667	161
15°	1793	508
25°	1741	792
35°	1252	771
45°	483	385
55°	49	60
65°	6	7
75°	3	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1645.7
2.5°	1651.9
5°	1667.3
7.5°	1691.9
10°	1722.7
12.5°	1762.6
15°	1793.4
17.5°	1818.0
20°	1821.1
22.5°	1799.6
25°	1741.2
27.5°	1654.9
30°	1547.3
32.5°	1412.0
35°	1252.0
37.5°	1076.6
40°	892.1
42.5°	695.2
45°	483.0
47.5°	310.7
50°	187.6
52.5°	101.5
55°	49.3
57.5°	21.6
60°	12.3
62.5°	9.2
65°	6.2
67.5°	6.2
70°	3.1
72.5°	3.1
75°	3.1
77.5°	0.0
80°	0.0
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)