

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: P858588

Luminaire Tested: **LD4C25W2N2765D010 4LBNLI_6500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25W2N2765D010 4LBNLI_6500K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 6500K, W2N2765 LEDS
AND 4LBNLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

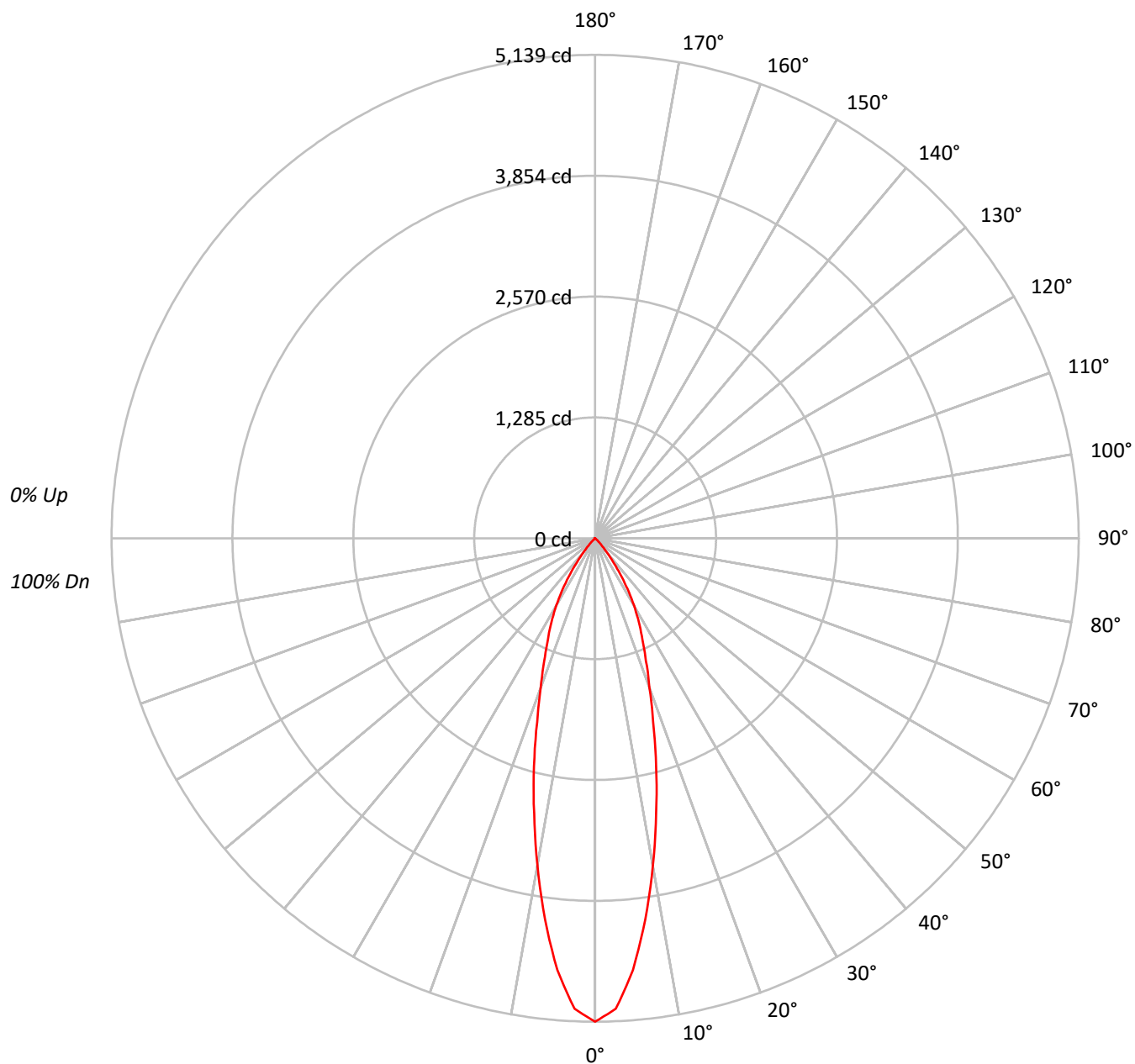
Lumens per Lamp: N/A
Luminaire Lumens: 1997.0 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858588

CATALOG NUMBER: LD4C25W2N2765D010 4LBNLI_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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90		
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85		
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81		
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77		
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73		
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69		
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66		
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63		
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	631356
5°	568160
10°	440450
15°	318795
20°	220738
25°	160929
30°	116920
35°	69184
40°	29108
45°	9069
50°	1185
55°	664
60°	762
65°	901
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.0	20.3
10°-20°	693.4	34.7
20°-30°	551.0	27.6
30°-40°	291.7	14.6
40°-50°	50.3	2.5
50°-60°	3.8	0.2
60°-70°	1.9	0.1
70°-80°	0.0	0.0
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°	1649.4	82.6
0°-40°	1941.1	97.2
0°-60°	1995.1	99.9
0°-90°	1997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1997.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5139	
5°	4607	405
15°	2506	693
25°	1187	551
35°	461	292
45°	52	50
55°	3	4
65°	3	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5139.1
2.5°	5006.8
5°	4607.1
7.5°	4084.3
10°	3530.7
12.5°	2995.6
15°	2506.5
17.5°	2051.3
20°	1688.4
22.5°	1411.6
25°	1187.2
27.5°	1005.7
30°	824.2
32.5°	639.7
35°	461.3
37.5°	304.5
40°	181.5
42.5°	104.6
45°	52.2
47.5°	18.5
50°	6.2
52.5°	6.2
55°	3.1
57.5°	3.1
60°	3.1
62.5°	3.1
65°	3.1
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)