

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: P858325

Luminaire Tested: **LD4C10W2N2765D010 4LBNH\_2700K**

Issue Date: 11/9/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858325  
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: LD4C10W2N2765D010 4LBNH\_2700K  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2765 LEDS  
AND 4LBNH TRIM WITH FINISH  
  
Light Source: -  
Ballast/Driver: -

**Summary**

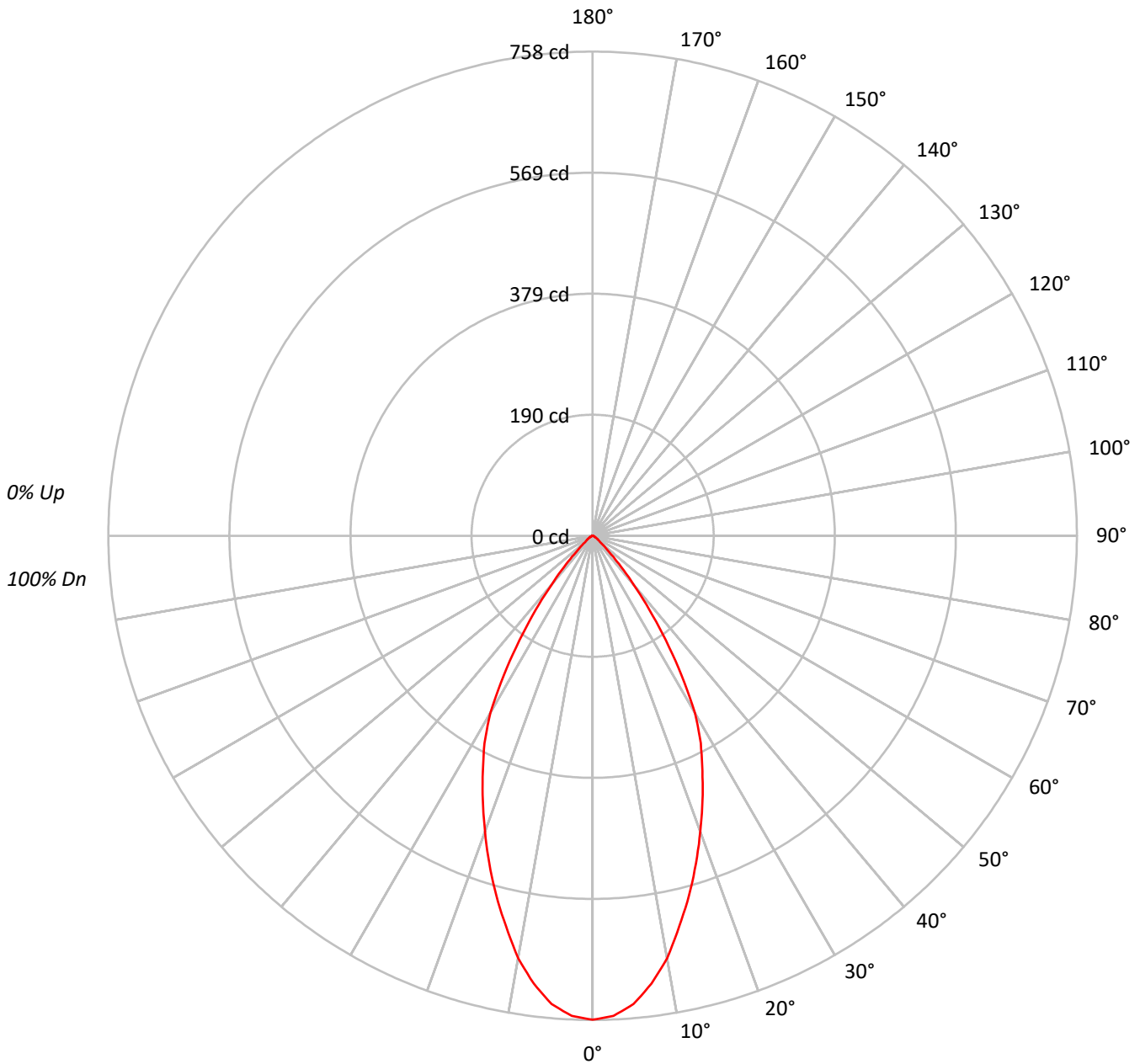
Lumens per Lamp: N/A  
Luminaire Lumens: 591.1 lumens  
Efficiency: N/A  
Efficacy: 45.5 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 13  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75																			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70																			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65																			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61																			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54																			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	93074
5°	90766
10°	83756
15°	74150
20°	64388
25°	55076
30°	45409
35°	29905
40°	16069
45°	7123
50°	2886
55°	2078
60°	1327
65°	959
70°	790
75°	522
80°	778
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.1	11.5
10°-20°	162.5	27.5
20°-30°	186.1	31.5
30°-40°	125.1	21.2
40°-50°	35.7	6.0
50°-60°	8.7	1.5
60°-70°	3.4	0.6
70°-80°	1.3	0.2
80°-90°	0.1	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°	416.7	70.5
0°-40°	541.8	91.7
0°-60°	586.2	99.2
0°-90°	591.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	758	
5°	736	68
15°	583	162
25°	406	186
35°	199	125
45°	41	36
55°	10	9
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	757.6
2.5°	752.2
5°	736.0
7.5°	706.9
10°	671.4
12.5°	626.1
15°	583.0
17.5°	537.8
20°	492.5
22.5°	449.4
25°	406.3
27.5°	366.4
30°	320.1
32.5°	258.6
35°	199.4
37.5°	145.5
40°	100.2
42.5°	65.7
45°	41.0
47.5°	24.8
50°	15.1
52.5°	11.8
55°	9.7
57.5°	7.5
60°	5.4
62.5°	4.3
65°	3.3
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
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)