

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: P858775

Luminaire Tested: **LD4C05D010 EU4059027 4LBHYH**

Issue Date: 10/18/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858775  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/18/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C05D010 EU4059027 4LBHYH  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LCHYP TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

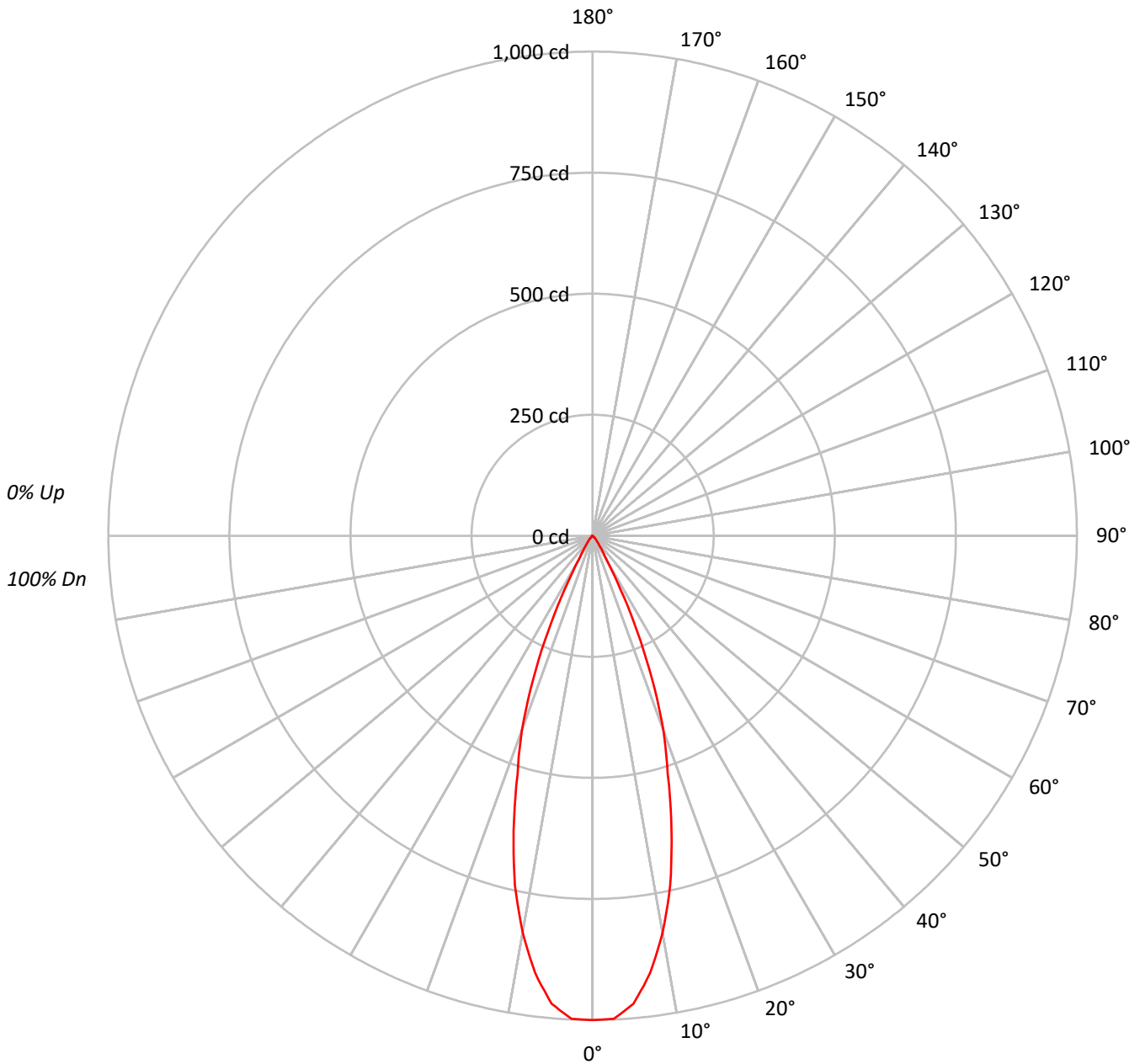
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 382.1 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.59  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V):  
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				20				
RC	80				70				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	100	100	100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	96	96	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88	88	88	88
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	87	86	84	84	84	84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81	81	81	81
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78	78	78	78
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	75	75	75	75
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	72	72	72
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69	69	69	69
10	83	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	68	67	67	67	67

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

	0°
0°	122890
5°	119648
10°	103816
15°	80103
20°	55812
25°	29415
30°	8228
35°	3644
40°	1828
45°	938
50°	401
55°	43
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	23.0
10°-20°	172.2	45.1
20°-30°	99.5	26.0
30°-40°	17.4	4.6
40°-50°	4.4	1.2
50°-60°	0.5	0.1
60°-70°	0.0	0.0
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°	359.7	94.1
0°-40°	377.2	98.7
0°-60°	382.1	100.0
0°-90°	382.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	382.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1000	
5°	970	88
15°	630	172
25°	217	100
35°	24	17
45°	5	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1000.3
2.5°	998.7
5°	970.2
7.5°	910.6
10°	832.2
12.5°	740.2
15°	629.8
17.5°	516.0
20°	426.9
22.5°	320.6
25°	217.0
27.5°	124.2
30°	58.0
32.5°	39.5
35°	24.3
37.5°	16.2
40°	11.4
42.5°	7.8
45°	5.4
47.5°	3.5
50°	2.1
52.5°	1.0
55°	0.2
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
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)