

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: P856753

Luminaire Tested: **LX4C10D010 EX4C109035 4LBWH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P856753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C10D010 EX4C109035 4LBWH  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

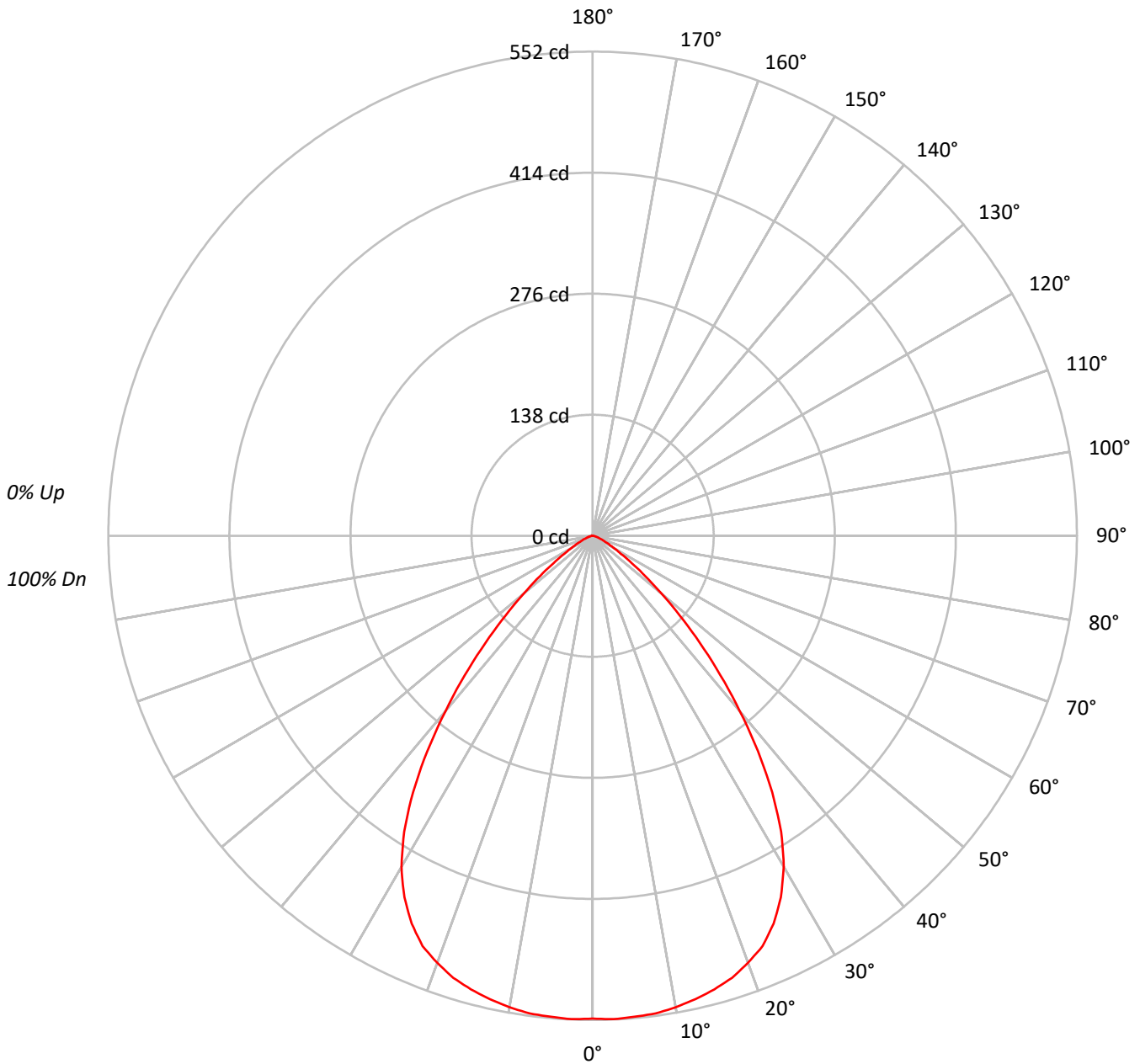
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 854.0 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.8  
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			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			

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

	0°
0°	67631
5°	67889
10°	68088
15°	68096
20°	67722
25°	66137
30°	61808
35°	53527
40°	41809
45°	30005
50°	19495
55°	11673
60°	6831
65°	4390
70°	2910
75°	2183
80°	1627
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.4	6.1
10°-20°	151.0	17.7
20°-30°	222.9	26.1
30°-40°	219.9	25.8
40°-50°	134.6	15.8
50°-60°	51.6	6.0
60°-70°	16.1	1.9
70°-80°	4.7	0.6
80°-90°	0.6	0.1
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°	426.4	49.9
0°-40°	646.3	75.7
0°-60°	832.5	97.5
0°-90°	854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	854.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	550	
5°	550	52
15°	535	151
25°	488	223
35°	357	220
45°	173	135
55°	54	52
65°	15	16
75°	5	5
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	550.5
2.5°	551.6
5°	550.5
7.5°	549.3
10°	545.8
12.5°	541.2
15°	535.4
17.5°	528.4
20°	518.0
22.5°	506.4
25°	487.9
27.5°	464.7
30°	435.7
32.5°	399.8
35°	356.9
37.5°	309.4
40°	260.7
42.5°	215.5
45°	172.7
47.5°	134.4
50°	102.0
52.5°	75.3
55°	54.5
57.5°	38.2
60°	27.8
62.5°	20.9
65°	15.1
67.5°	11.6
70°	8.1
72.5°	5.8
75°	4.6
77.5°	2.3
80°	2.3
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)