

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: P856790

Luminaire Tested: **LX4C10D010 EX4C109050 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C10D010 EX4C109050 4LBMDH  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

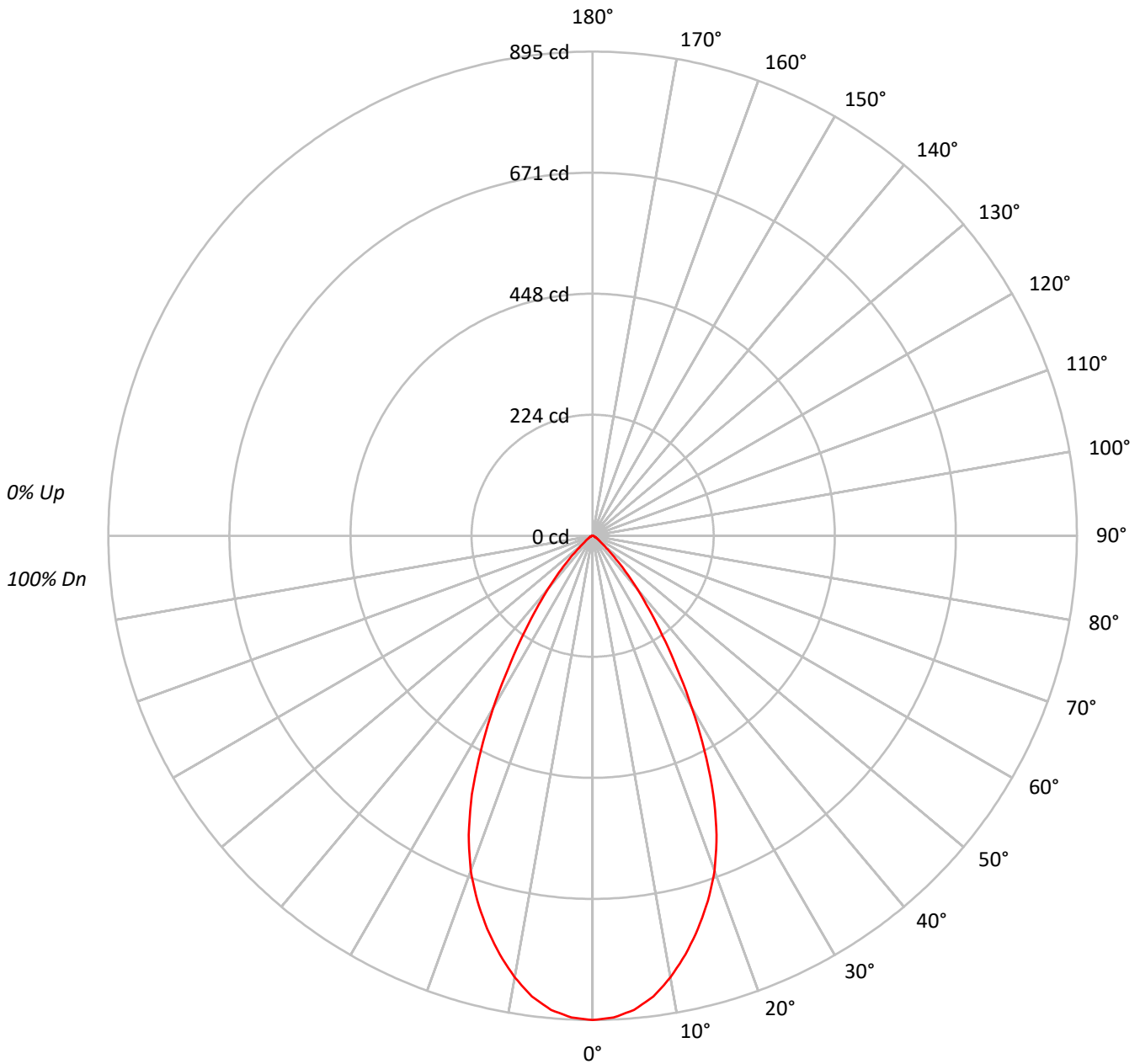
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 743.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
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	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	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	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	62	59	66	62	59	57
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	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°	109966
5°	108487
10°	103392
15°	95670
20°	86130
25°	71545
30°	52005
35°	33715
40°	20400
45°	10511
50°	4759
55°	2870
60°	1917
65°	1366
70°	1042
75°	665
80°	424
85°	282



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.4	11.1
10°-20°	209.9	28.3
20°-30°	237.3	31.9
30°-40°	143.5	19.3
40°-50°	50.2	6.8
50°-60°	12.9	1.7
60°-70°	4.9	0.7
70°-80°	1.6	0.2
80°-90°	0.2	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°	529.6	71.3
0°-40°	673.1	90.6
0°-60°	736.2	99.1
0°-90°	743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	895	
5°	880	82
15°	752	210
25°	528	237
35°	225	143
45°	60	50
55°	13	13
65°	5	5
75°	1	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	895.1
2.5°	891.4
5°	879.7
7.5°	858.9
10°	828.8
12.5°	792.6
15°	752.2
17.5°	708.0
20°	658.8
22.5°	598.4
25°	527.8
27.5°	446.9
30°	366.6
32.5°	289.9
35°	224.8
37.5°	170.5
40°	127.2
42.5°	91.4
45°	60.5
47.5°	37.3
50°	24.9
52.5°	17.9
55°	13.4
57.5°	10.3
60°	7.8
62.5°	6.2
65°	4.7
67.5°	3.7
70°	2.9
72.5°	2.1
75°	1.4
77.5°	1.0
80°	0.6
82.5°	0.4
85°	0.2
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)