

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: P859538

Luminaire Tested: **LX4C70D010 EX4C709730 4LBWH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P859538  
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: LX4C70D010 EX4C709730 4LBWH  
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS  
AND 4LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

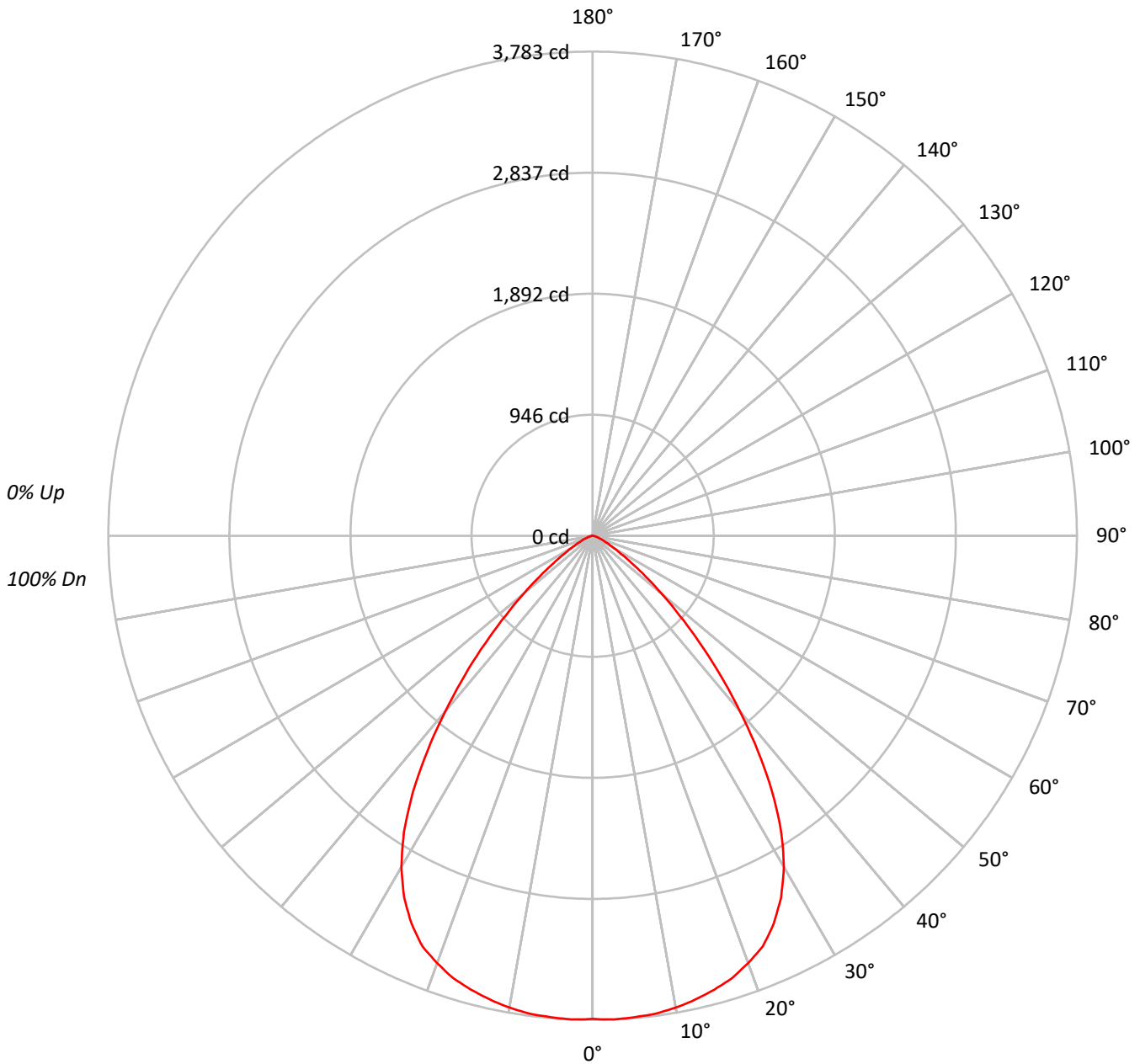
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5857.0 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 78  
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°	463796
5°	465568
10°	466984
15°	467006
20°	464433
25°	453563
30°	423917
35°	367097
40°	286780
45°	205762
50°	133654
55°	79999
60°	46832
65°	30058
70°	20007
75°	15094
80°	11249
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.5	6.1
10°-20°	1035.9	17.7
20°-30°	1528.6	26.1
30°-40°	1508.5	25.8
40°-50°	923.1	15.8
50°-60°	353.9	6.0
60°-70°	110.7	1.9
70°-80°	32.4	0.6
80°-90°	4.3	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°	2924.0	49.9
0°-40°	4432.5	75.7
0°-60°	5709.6	97.5
0°-90°	5857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5857.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3775	
5°	3775	360
15°	3672	1036
25°	3346	1529
35°	2448	1508
45°	1184	923
55°	374	354
65°	103	111
75°	32	32
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3775.2
2.5°	3783.1
5°	3775.2
7.5°	3767.2
10°	3743.4
12.5°	3711.5
15°	3671.8
17.5°	3624.0
20°	3552.4
22.5°	3473.2
25°	3346.0
27.5°	3186.9
30°	2988.3
32.5°	2742.1
35°	2447.7
37.5°	2121.9
40°	1788.2
42.5°	1478.3
45°	1184.3
47.5°	921.7
50°	699.3
52.5°	516.7
55°	373.5
57.5°	262.2
60°	190.6
62.5°	143.2
65°	103.4
67.5°	79.6
70°	55.7
72.5°	39.8
75°	31.8
77.5°	15.9
80°	15.9
82.5°	8.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)