

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: P859501

Luminaire Tested: **LX4C70D010 EX4C709040 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859501  
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: LX4C70D010 EX4C709040 4LBMDH  
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

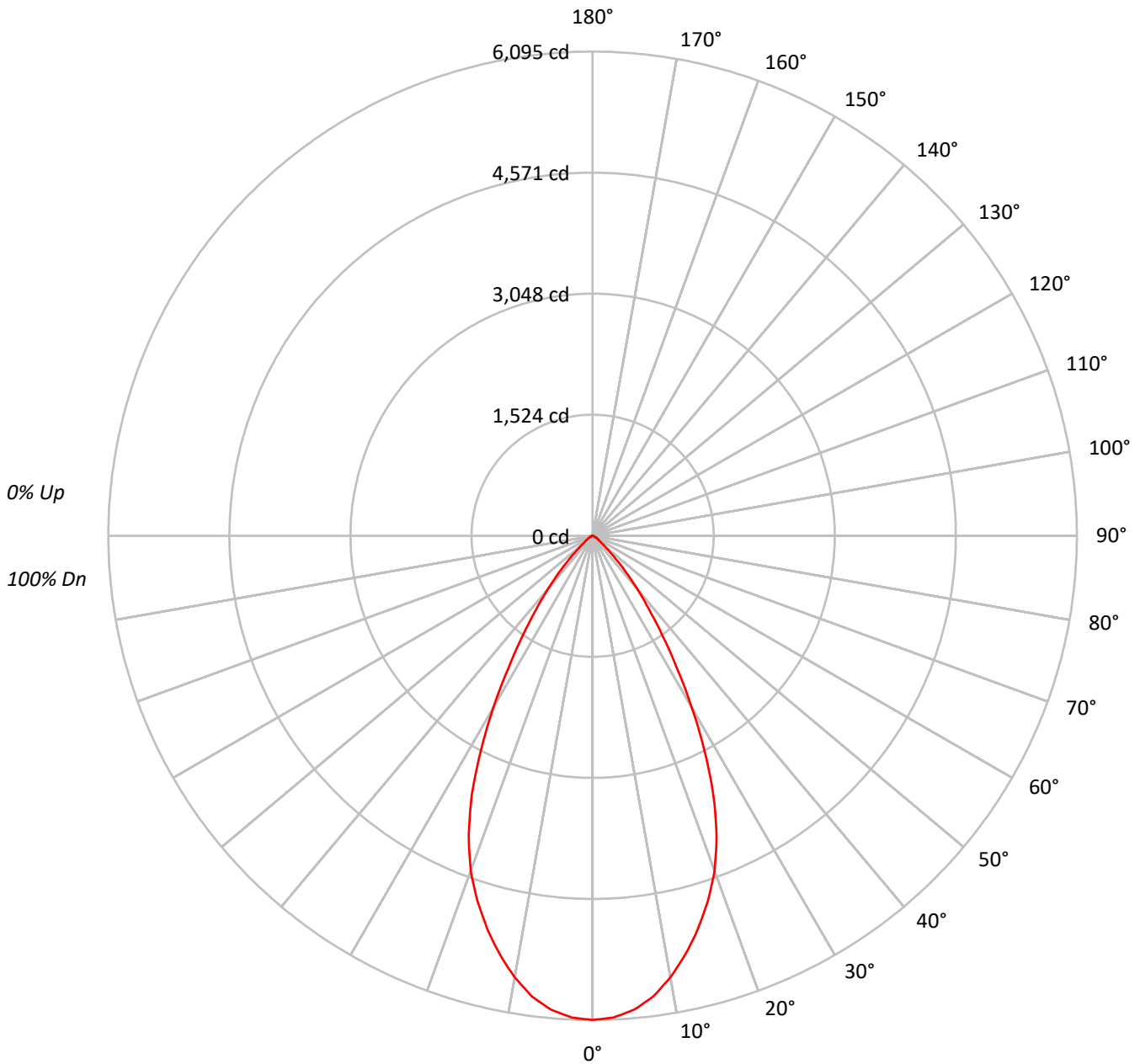
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5059.0 lumens  
Efficiency: N/A  
Efficacy: 64.9 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): 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	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	63	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°	748743
5°	738642
10°	703994
15°	651428
20°	586425
25°	487180
30°	354137
35°	229569
40°	138932
45°	71599
50°	32415
55°	19513
60°	13096
65°	9360
70°	7040
75°	4652
80°	2971
85°	1973



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	560.7	11.1
10°-20°	1429.2	28.3
20°-30°	1616.2	31.9
30°-40°	976.7	19.3
40°-50°	342.1	6.8
50°-60°	87.5	1.7
60°-70°	33.5	0.7
70°-80°	11.2	0.2
80°-90°	1.7	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°	3606.1	71.3
0°-40°	4582.9	90.6
0°-60°	5012.5	99.1
0°-90°	5059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5059.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6095	
5°	5990	561
15°	5122	1429
25°	3594	1616
35°	1531	977
45°	412	342
55°	91	88
65°	32	34
75°	10	11
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6094.6
2.5°	6069.4
5°	5989.5
7.5°	5847.9
10°	5643.3
12.5°	5396.6
15°	5121.8
17.5°	4820.5
20°	4485.5
22.5°	4074.8
25°	3594.0
27.5°	3043.1
30°	2496.4
32.5°	1973.6
35°	1530.7
37.5°	1160.6
40°	866.3
42.5°	622.4
45°	412.1
47.5°	253.7
50°	169.6
52.5°	121.9
55°	91.1
57.5°	70.1
60°	53.3
62.5°	42.1
65°	32.2
67.5°	25.2
70°	19.6
72.5°	14.0
75°	9.8
77.5°	7.0
80°	4.2
82.5°	2.8
85°	1.4
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)