

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: P859522

Luminaire Tested: **LX4C70D010 EX4C709050 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859522  
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 EX4C709050 4LBMDH  
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

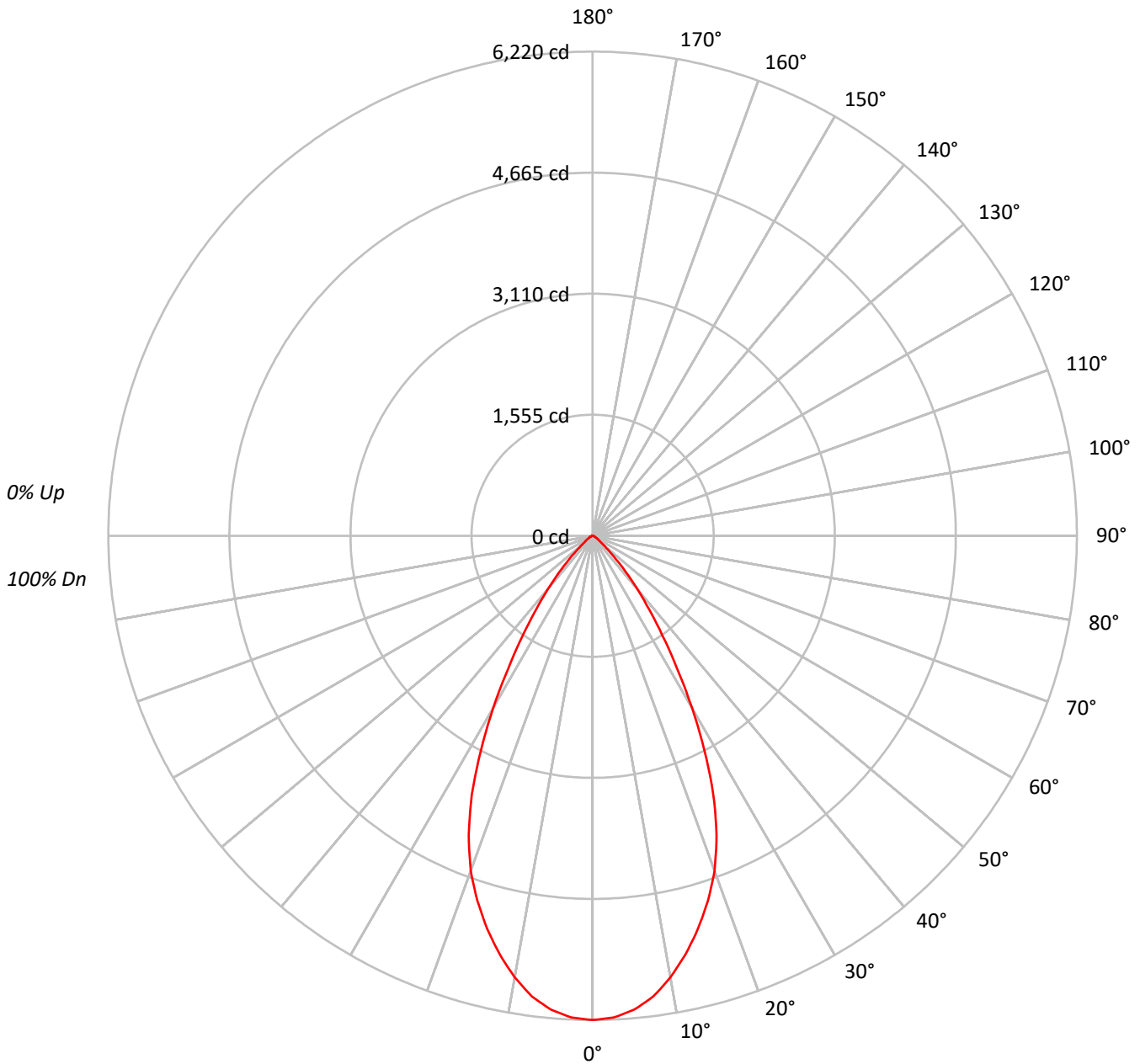
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5163.0 lumens  
Efficiency: N/A  
Efficacy: 66.2 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									
RC	80									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°	764136
5°	753823
10°	718465
15°	664821
20°	598479
25°	497198
30°	361428
35°	234278
40°	141786
45°	73075
50°	33084
55°	19920
60°	13366
65°	9564
70°	7184
75°	4747
80°	3042
85°	1973



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	572.2	11.1
10°-20°	1458.6	28.3
20°-30°	1649.4	31.9
30°-40°	996.8	19.3
40°-50°	349.2	6.8
50°-60°	89.4	1.7
60°-70°	34.2	0.7
70°-80°	11.5	0.2
80°-90°	1.8	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°	3680.3	71.3
0°-40°	4677.1	90.6
0°-60°	5115.6	99.1
0°-90°	5163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5163.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6220	
5°	6113	572
15°	5227	1459
25°	3668	1649
35°	1562	997
45°	421	349
55°	93	89
65°	33	34
75°	10	11
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6219.9
2.5°	6194.2
5°	6112.6
7.5°	5968.1
10°	5759.3
12.5°	5507.5
15°	5227.1
17.5°	4919.6
20°	4577.7
22.5°	4158.5
25°	3667.9
27.5°	3105.7
30°	2547.8
32.5°	2014.2
35°	1562.1
37.5°	1184.5
40°	884.1
42.5°	635.2
45°	420.6
47.5°	258.9
50°	173.1
52.5°	124.5
55°	93.0
57.5°	71.5
60°	54.4
62.5°	42.9
65°	32.9
67.5°	25.7
70°	20.0
72.5°	14.3
75°	10.0
77.5°	7.2
80°	4.3
82.5°	2.9
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)