

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: P856792

Luminaire Tested: **LX4C10D010 EX4C109050 4LBMH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P856792  
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 EX4C109050 4LBMH  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

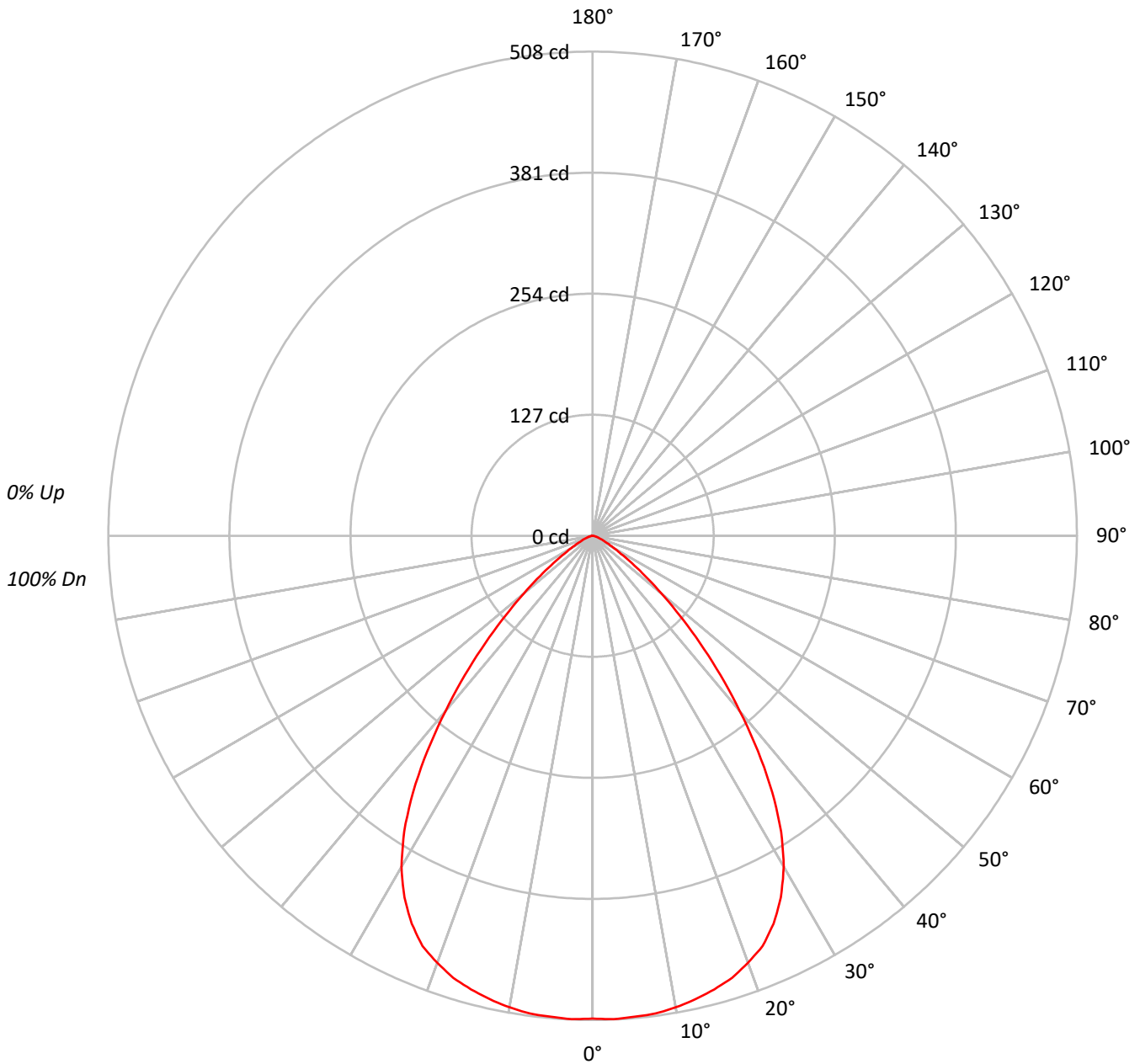
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 786.0 lumens  
Efficiency: N/A  
Efficacy: 80.2 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): 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																	
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	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°	62238
5°	62475
10°	62674
15°	62665
20°	62323
25°	60864
30°	56885
35°	49267
40°	38490
45°	27607
50°	17947
55°	10731
60°	6290
65°	4041
70°	2694
75°	2041
80°	1486
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.2	6.1
10°-20°	139.0	17.7
20°-30°	205.1	26.1
30°-40°	202.5	25.8
40°-50°	123.9	15.8
50°-60°	47.5	6.0
60°-70°	14.9	1.9
70°-80°	4.3	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°	392.4	49.9
0°-40°	594.8	75.7
0°-60°	766.2	97.5
0°-90°	786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	786.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	507	
5°	507	48
15°	493	139
25°	449	205
35°	328	202
45°	159	124
55°	50	47
65°	14	15
75°	4	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	506.6
2.5°	507.7
5°	506.6
7.5°	505.6
10°	502.4
12.5°	498.1
15°	492.7
17.5°	486.3
20°	476.7
22.5°	466.1
25°	449.0
27.5°	427.7
30°	401.0
32.5°	368.0
35°	328.5
37.5°	284.8
40°	240.0
42.5°	198.4
45°	158.9
47.5°	123.7
50°	93.9
52.5°	69.3
55°	50.1
57.5°	35.2
60°	25.6
62.5°	19.2
65°	13.9
67.5°	10.7
70°	7.5
72.5°	5.3
75°	4.3
77.5°	2.1
80°	2.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)