

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: P856887

Luminaire Tested: **LX4C10D010 EX4C109030 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856887  
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 EX4C109030 4LBMDH  
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

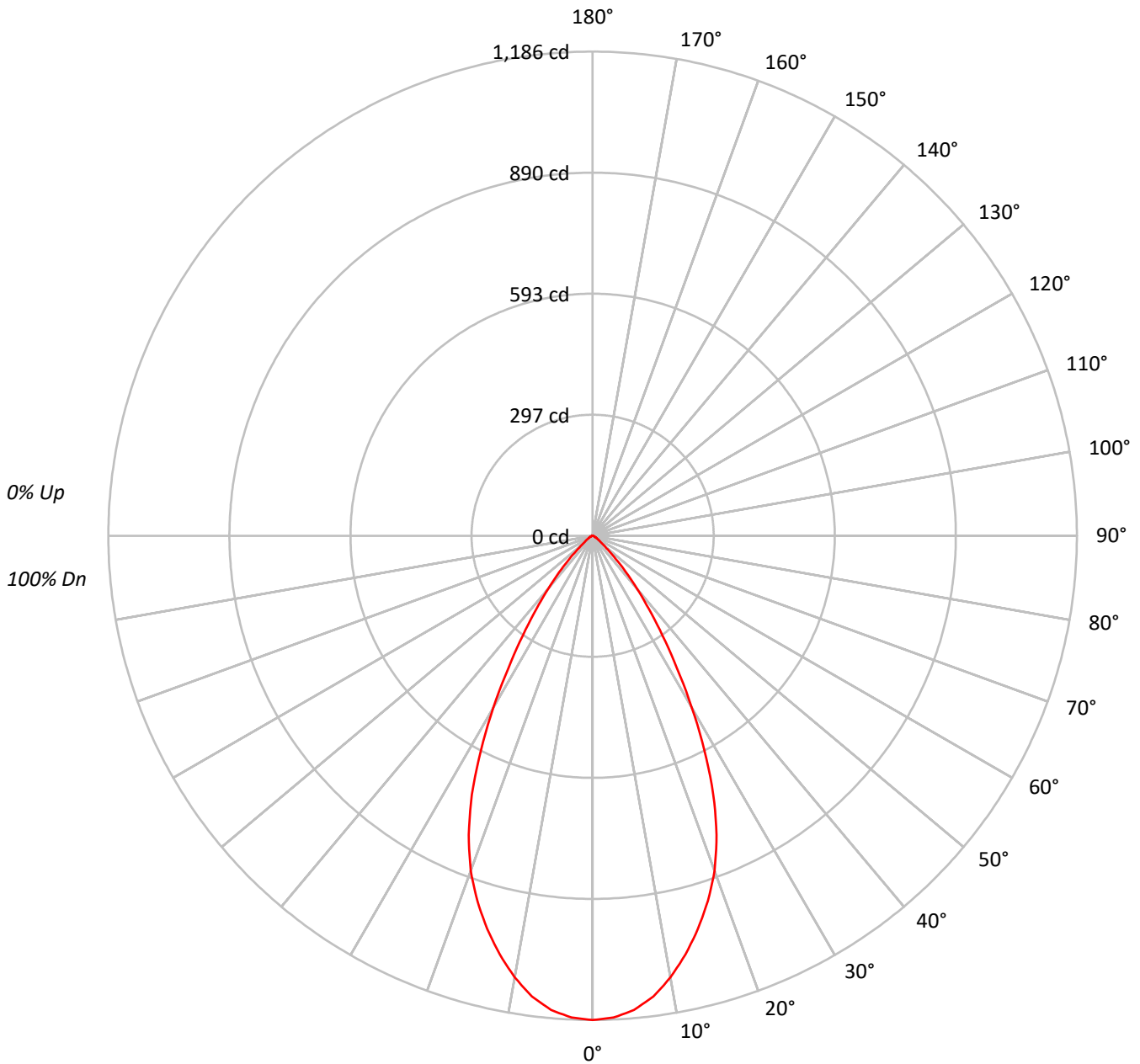
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 984.6 lumens  
Efficiency: N/A  
Efficacy: 57.9 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): 17  
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°	145729
5°	143757
10°	137011
15°	126793
20°	114134
25°	94820
30°	68915
35°	44663
40°	27055
45°	13934
50°	6307
55°	3791
60°	2531
65°	1831
70°	1401
75°	902
80°	566
85°	423



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.1	11.1
10°-20°	278.2	28.3
20°-30°	314.5	31.9
30°-40°	190.1	19.3
40°-50°	66.6	6.8
50°-60°	17.0	1.7
60°-70°	6.6	0.7
70°-80°	2.2	0.2
80°-90°	0.3	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°	701.8	71.3
0°-40°	891.9	90.6
0°-60°	975.5	99.1
0°-90°	984.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	984.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1186	
5°	1166	109
15°	997	278
25°	700	315
35°	298	190
45°	80	67
55°	18	17
65°	6	7
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1186.2
2.5°	1181.3
5°	1165.7
7.5°	1138.1
10°	1098.3
12.5°	1050.3
15°	996.9
17.5°	938.2
20°	873.0
22.5°	793.0
25°	699.5
27.5°	592.3
30°	485.8
32.5°	384.1
35°	297.8
37.5°	225.9
40°	168.7
42.5°	121.1
45°	80.2
47.5°	49.4
50°	33.0
52.5°	23.8
55°	17.7
57.5°	13.6
60°	10.3
62.5°	8.2
65°	6.3
67.5°	5.0
70°	3.9
72.5°	2.7
75°	1.9
77.5°	1.4
80°	0.8
82.5°	0.5
85°	0.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)