

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: P856874

Luminaire Tested: **LX4C10D010 EX4C109030 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856874  
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: -

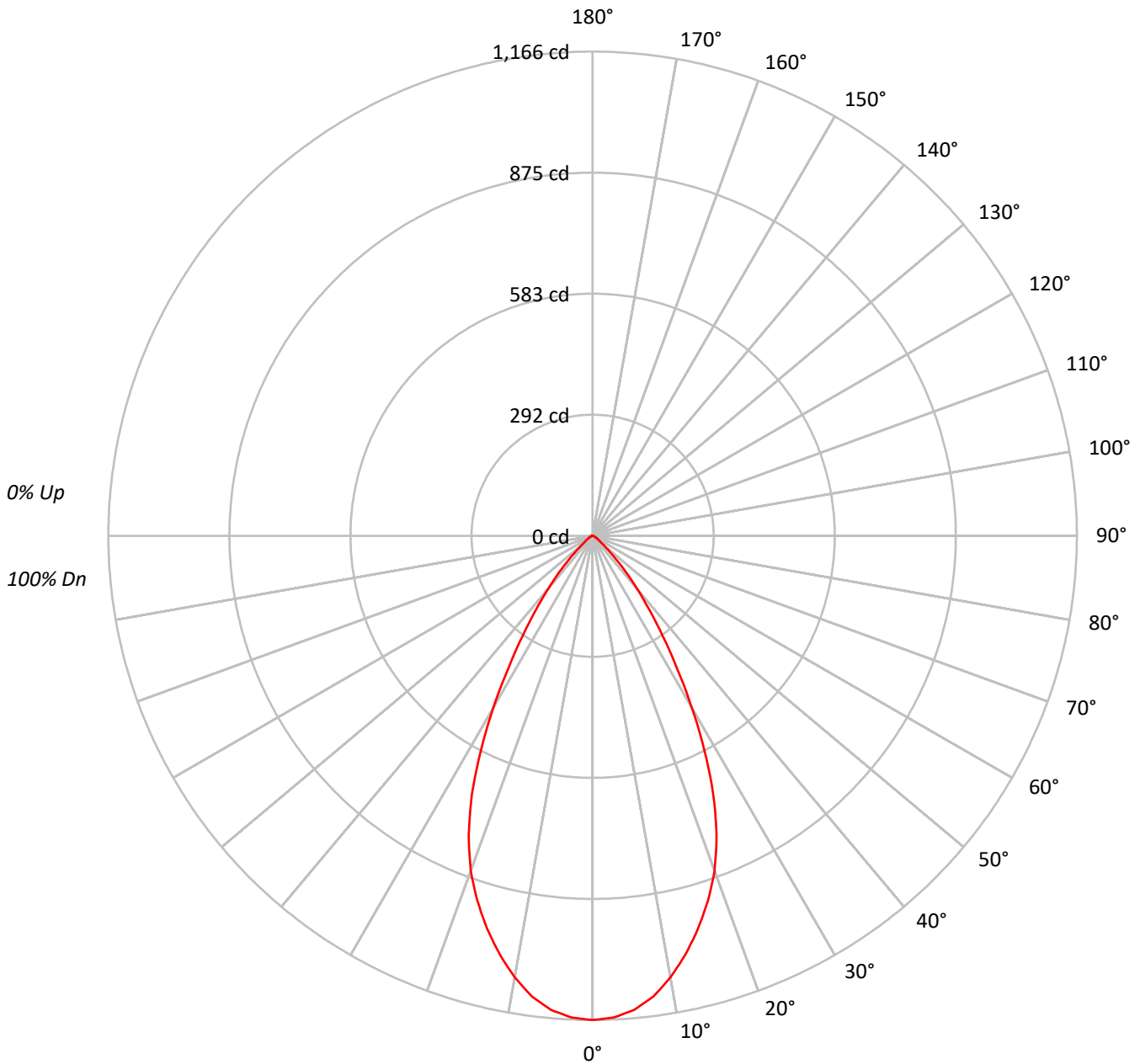
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 968.0 lumens  
Efficiency: N/A  
Efficacy: 56.9 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°	143259
5°	141328
10°	134691
15°	124644
20°	112199
25°	93220
30°	67752
35°	43913
40°	26590
45°	13691
50°	6192
55°	3727
60°	2482
65°	1802
70°	1365
75°	902
80°	566
85°	423



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.3	11.1
10°-20°	273.5	28.2
20°-30°	309.2	31.9
30°-40°	186.9	19.3
40°-50°	65.5	6.8
50°-60°	16.7	1.7
60°-70°	6.4	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°	690.0	71.3
0°-40°	876.8	90.6
0°-60°	959.0	99.1
0°-90°	968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1166	
5°	1146	107
15°	980	273
25°	688	309
35°	293	187
45°	79	65
55°	17	17
65°	6	6
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1166.1
2.5°	1161.3
5°	1146.0
7.5°	1118.9
10°	1079.7
12.5°	1032.5
15°	980.0
17.5°	922.3
20°	858.2
22.5°	779.6
25°	687.7
27.5°	582.3
30°	477.6
32.5°	377.6
35°	292.8
37.5°	222.1
40°	165.8
42.5°	119.1
45°	78.8
47.5°	48.6
50°	32.4
52.5°	23.4
55°	17.4
57.5°	13.4
60°	10.1
62.5°	8.1
65°	6.2
67.5°	4.9
70°	3.8
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



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)